

Appendix E:

Consultation Correspondence



April 10, 2018

Rusty Swafford
Gulf of Mexico Branch Supervisor
Habitat Conservation Division
Attn: Brandon Howard
4700 Avenue U, Bldg. 307
Galveston, Texas 77551

Re: Request for Essential Fish Habitat Consultation for Projects Proposed for Funding under the Deepwater Horizon Oil Spill Natural Resource Damage Assessment in the Alabama Trustee Implementation Group Restoration Plan #2 and Environmental Assessment

Dear Rusty,

The National Oceanic and Atmospheric Administration (NOAA) Restoration Center requests Essential Fish Habitat (EFH) consultation, as established under the Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267). The NOAA Restoration Center is requesting consultation on behalf of the Alabama Trustee Implementation Group.

Four of the projects proposed in the Alabama Trustee Implementation Group Restoration Plan #2 and Environmental Assessment may affect designated EFH. Enclosed please find EFH assessments and BE forms for these projects:

- Little Lagoon Living Shorelines
- Coastal Alabama Sea Turtle Triage and Treatment Center
- Oyster Cultch Relief and Reef Configuration
- Oyster Grow Out Restoration Reef Placement

These EFH assessments incorporate the comments I received from your staff during technical assistance in early 2018.

For further questions about the projects, please contact Christy Fellas in the NOAA Restoration Center, Southeast Region at 727-551-5714 or christina.fellas@noaa.gov. Thank you for your assistance.

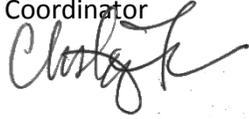
Sincerely,

A handwritten signature in blue ink, appearing to read "Christy", with a long horizontal flourish extending to the right.

Christy Fellas
DWH Environmental Compliance Coordinator
NOAA Restoration Center



MEMORANDUM FOR: FILE

FROM: Christy Fellas, DWH Environmental Compliance Coordinator
NOAA Restoration Center, Southeast Region 

DATE: April 9, 2018

SUBJECT: Projects Proposed in Alabama Trustee Implementation Group
Restoration Plan #2 and Environmental Assessment: ESA No Effect
Determination

Under the Endangered Species Act (ESA) Section 7(a)(2), each Federal agency shall ensure that any action authorized, funded, or carried out by such agency is not likely to jeopardize the continued existence of any endangered or threatened species, or destroy/adversely modify designated critical habitat. If a Federal agency determines that a Federal action will have no effect on ESA-listed species or designated critical habitat, then the Federal agency is not required to consult with NMFS for purposes of ESA. This memo is not intended to include a summary of DOI protected species for the determinations provided below.

Based on my review of project materials (Fall 2017- Spring 2018) and in coordination with representatives from NOAA's Protected Resource Division (PRD) in the South East Regional Office (SERO), the NOAA Restoration Center determined that the projects listed below proposed for implementation in the Trustee Implementation Group Restoration Plan #2 and Environmental Assessment will have no effect to listed species under the jurisdiction of National Marine Fisheries Service. This is due to the location (upland or inland) or the nature of activities proposed (planning only). These projects will not require further ESA evaluation. Should any project be modified in a way that could adversely impact ESA, this determination will be reevaluated as appropriate.

Proposed Projects

- Magnolia River Land Acquisition (Holmes Tract)
- Weeks Bay Land Acquisition East Gateway Tract
- Weeks Bay Land Acquisition Harrod Tract
- Coffee Island Restoration – Phase I
- Restoring the Night Sky
- Toulmin Springs Branch Engineering & Design
- Fowl River Nutrient Reduction
- Weeks Bay Nutrient Reduction
- Coastal Alabama Sea Turtle Conservation Program (share the beach)
- Side-scan Mapping of Mobile Bay Relic Oyster Reefs
- Little Lagoon Living Shorelines



MEMORANDUM FOR: FILE

FROM: Christy Fellas, DWH Environmental Compliance Coordinator
NOAA Restoration Center, Southeast Region 

DATE: May 1, 2018

SUBJECT: Projects Proposed in Alabama Trustee Implementation Group
Restoration Plan #2 and Environmental Assessment: ESA No Effect
Determination

Under the Endangered Species Act (ESA) Section 7(a)(2), each Federal agency shall ensure that any action authorized, funded, or carried out by such agency is not likely to jeopardize the continued existence of any endangered or threatened species, or destroy/adversely modify designated critical habitat. If a Federal agency determines that a Federal action will have no effect on ESA-listed species or designated critical habitat, then the Federal agency is not required to consult with NMFS for purposes of ESA. This memo does not include any conclusions or determinations for ESA-listed species under the jurisdiction of USFWS.

Based on my review of project materials (Fall 2017- Spring 2018) and in coordination with representatives from NOAA's Protected Resource Division (PRD) in the South East Regional Office (SERO) and the Office of Protected Resources, the NOAA Restoration Center determined that the projects described below and proposed for implementation in the Trustee Implementation Group Restoration Plan #2 and Environmental Assessment, do not require further ESA consultation. Should any project be modified in a way that could adversely affect ESA-listed species or their designated critical habitat in a way that that is not covered in an existing consultation, this determination will be re-evaluated as appropriate.

Coastal Alabama Sea Turtle Triage and Treatment Center

This project involves the construction of a new sea turtle triage and treatment center in the City of Orange Beach, Alabama. The triage facility is located on an upland site, thus there will be no effects on marine life stages of sea turtles or gulf sturgeon. The building of this facility does not change the need for response, but rather provides a location to take stranded turtles. Any stranding response (and related handling of ESA-listed sea turtles) that results in a transfer of a sea turtle to this facility is covered under the existing Alabama sea turtle stranding and salvage network (STSSN) permit. Once the facility is operational, an application will be submitted to USFWS for the care of sea turtles – this is not under the jurisdiction of NMFS. Based on this information, no further ESA consultation is required with NMFS.



Coastal Alabama Sea Turtle Habitat Usage and Population Dynamics

This project involves coastal Alabama's sea turtle conservation program, which operates across all sea turtle nesting beaches of the Alabama coast. Specifically, the project would use biological, genetic and stable isotope analyses to study sea turtle migration patterns, habitat use, human threats, and life history parameters for sea turtles using Alabama waters. This work would be conducted under NMFS 10(a)(1)(A) Permit No. 17304-03, issued on September 20, 2013, to Dr. Kristen Hart (Principal Investigator, USGS) to annually capture and handle sea turtles. On September 20, 2013 NMFS issued a biological opinion (BO) on the effects of the proposed research carried out under 10(a)(1)(A) Permit No. 17304-03. The BO concluded that the issuance of the permit as proposed is likely to adversely affect, but not likely to jeopardize the continued existence of loggerhead sea turtles (Northwest Atlantic Ocean DPS), green sea turtles (both the Florida breeding population and rangewide listing), Kemp's ridley sea turtles, or hawksbill sea turtles. In addition, the proposed permit is not likely to adversely affect any designated critical habitat under NMFS jurisdiction. The BO also concluded that the action as proposed is not likely to adversely affect gulf sturgeon or their designated critical habitat.

Based on this information, no further ESA consultation with NMFS is required as the projects are covered by an existing NMFS consultation.



May 7, 2018

David Bernhart
Assistant Regional Administrator for Protected Resources
Attn: Mike Tucker
NOAA Fisheries Service, Southeast Regional Office
263 13th Avenue South
Saint Petersburg, Florida 33701

Re: Request for section 7 Endangered Species Act Informal Consultation for Projects Proposed for Funding under the Deepwater Horizon Oil Spill Natural Resource Damage Assessment in the Alabama Trustee Implementation Group Restoration Plan #2 and Environmental Assessment

Dear Mr. Bernhart,

The National Oceanic and Atmospheric Administration (NOAA) Restoration Center requests informal consultation under section 7 of the Endangered Species Act (ESA) for the project listed below that is not likely to adversely affect ESA-listed species of their designated critical habitat.

The NOAA Restoration Center, a Lead Federal Agency, is requesting consultation on behalf of the Alabama Trustee Implementation Group. Enclosed please find a Biological Evaluation form for this project based on the following effect determinations:

Project Name	Not Likely to Adversely Affect	Requesting Streamlined Consultation under NMFS' DWH ESA Framework BiOp?
Enhancing Capacity of the Alabama Marine Mammal Stranding Network	Green Sea Turtle Loggerhead Sea Turtle Kemp's Ridley Sea Turtle Hawksbill Sea Turtle Leatherback Sea Turtle Gulf Sturgeon Sperm Whale*	No

*The NMFS marine mammal health and stranding response program holds a permit to cover take associated with response/handling of large whales; therefore, no additional ESA consultation is needed for those species.

This project is part of a group of projects proposed for funding in the Deepwater Horizon Oil Spill Natural Resource Damage Assessment in the Alabama Trustee Implementation Group Restoration Plan #2 and Environmental Assessment. ESA consultation was previously requested on the other projects in this plan via email on April 9, 2018.

For further questions about the projects, please contact Christy Fellas in the NOAA Restoration Center, Southeast Region at 727-551-5714 or christina.fellas@noaa.gov. Thank you for your assistance.

Sincerely,



Christy Fellas
DWH Environmental Compliance Coordinator
NOAA Restoration Center



MEMORANDUM FOR: FILE

FROM: Christy Fellas, DWH Environmental Compliance Coordinator
NOAA Restoration Center, Southeast Region

DATE: April 5, 2018

SUBJECT: Projects Proposed in Alabama Trustee Implementation Group
Restoration Plan #2 and Environmental Impact Statement: EFH No
Effect Determination

The Magnuson-Stevens Fishery Conservation and Management Act (Magnuson-Stevens Act), as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), established procedures designed to identify, conserve, and enhance Essential Fish Habitat (EFH) for those species regulated under a Federal fisheries management plan (FMP). A Federal agency must prepare an EFH Assessment for any Federal action that may adversely affect EFH (50 CFR 600.920(e)(1)). A Federal agency must first determine whether their action may adversely impact EFH. If a Federal agency determines that a Federal action may adversely impact EFH, then the Federal agency must prepare an EFH assessment. If a Federal agency determines that a Federal action will not adversely affect EFH, then the Federal agency is not required to prepare an EFH Assessment.

Based on my review of project materials (Fall 2017- Spring 2018) in coordination with representatives from NOAA's Habitat Conservation Division (HCD) in the South East Regional Office (SERO), the NOAA Restoration Center determined that all projects proposed for implementation in the in the Alabama Trustee Implementation Group Restoration Plan #2 and Environmental Assessment will not affect EFH because the projects are upland, restricted to planning or have been designed to avoid adverse affects on EFH. As a result, none of the projects below require further EFH evaluation. Should any project be modified in a way that could adversely impact EFH, this determination will be reevaluated as appropriate.

Proposed Projects

- Magnolia River Land Acquisition (Holmes Tract)
- Weeks Bay Land Acquisition East Gateway Tract
- Weeks Bay Land Acquisition Harrod Tract
- Lower Perdido Islands Restoration Phase I
- Coffee Island Restoration – Phase I
- Restoring the Night Sky
- Toulmin Springs Branch Engineering & Design
- Fowl River Nutrient Reduction
- Weeks Bay Nutrient Reduction
- Coastal Alabama Sea Turtle Conservation Program (share the beach)
- Coastal Alabama Sea Turtle Habitat Usage and Population Dynamics



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Silver Spring, MD 20910

Proposed Projects (continued)

- Coastal Alabama Sea Turtle Protection: Enhancement and Education
- Enhancing Capacity for the Alabama Marine Mammal Stranding Network
- Assessment of Alabama Estuarine Bottlenose Dolphin Populations and Health
- Alabama Estuarine Bottlenose Dolphin Protection: Enhancement and Education
- Colonial Nesting Wading Bird Telemetry Study
- Side-scan Mapping of Mobile Bay Relic Oyster Reefs
- Oyster Hatchery at Claude Petet Mariculture Center



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Silver Spring, MD 20910

April 10, 2018

Rusty Swafford
Gulf of Mexico Branch Supervisor
Habitat Conservation Division
Attn: Brandon Howard
4700 Avenue U, Bldg. 307
Galveston, Texas 77551

Re: Request for Essential Fish Habitat Consultation for Projects Proposed for Funding under the Deepwater Horizon Oil Spill Natural Resource Damage Assessment in the Alabama Trustee Implementation Group Restoration Plan #2 and Environmental Assessment

Dear Rusty,

The National Oceanic and Atmospheric Administration (NOAA) Restoration Center requests Essential Fish Habitat (EFH) consultation, as established under the Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267). The NOAA Restoration Center is requesting consultation on behalf of the Alabama Trustee Implementation Group.

Four of the projects proposed in the Alabama Trustee Implementation Group Restoration Plan #2 and Environmental Assessment may affect designated EFH. Enclosed please find EFH assessments and BE forms for these projects:

- Little Lagoon Living Shorelines
- Coastal Alabama Sea Turtle Triage and Treatment Center
- Oyster Cultch Relief and Reef Configuration
- Oyster Grow Out Restoration Reef Placement

These EFH assessments incorporate the comments I received from your staff during technical assistance in early 2018.

For further questions about the projects, please contact Christy Fellas in the NOAA Restoration Center, Southeast Region at 727-551-5714 or christina.fellas@noaa.gov. Thank you for your assistance.

Sincerely,

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Christy Fellas
DWH Environmental Compliance Coordinator
NOAA Restoration Center



UNITED STATES DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

NATIONAL MARINE FISHERIES SERVICE

Southeast Regional Office

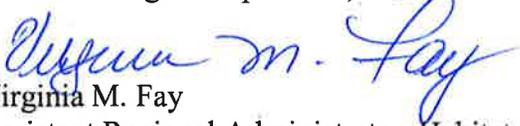
263 13th Avenue South

St. Petersburg, Florida 33701-5505

<http://sero.nmfs.noaa.gov>

May 1, 2018 F/SER46:BH/RS

MEMORANDUM TO: Leslie Craig
Southeast Region Supervisor, NOAA Restoration Center

FROM: 
Virginia M. Fay
Assistant Regional Administrator, Habitat Conservation Division

SUBJECT: Essential fish habitat review of the Alabama Trustee Implementation
Group Restoration Plan #2

In response to the Deepwater Horizon oil spill, NOAA and the other Trustee agencies propose to fund eighteen projects in southern Alabama. The Triage Center Project, Little Lagoon Living Shoreline Project, Oyster Clutch Relief and Reef Configuration Project, and the Oyster Grow-Out and Restoration Reef Placement Project would result in minimal and temporary impacts to estuarine water column and subtidal sand and mud habitats categorized as essential fish habitat (EFH) under provisions of the Magnuson-Stevens Fishery Conservation and Management Act (Magnuson-Stevens Act).

The NOAA's Restoration Center prepared biological evaluations and EFH assessments for these projects and provided the documents for our review by electronic mail dated April 10, 2018. Technical assistance has been provided by the Southeast Regional Office's Habitat Conservation Division (SERO HCD) to avoid and minimize impacts to EFH. Those changes were incorporated into final project design. The NOAA's Restoration Center determined the projects will have no substantial adverse effect on EFH because the projects are either in uplands, are restorative in nature, or have been designed to avoid permanent impacts. The SERO HCD has reviewed the EFH assessments and have determined the documents adequately evaluate proposed project impacts to EFH. We concur the project implementation would result in minimal temporary EFH impacts to estuarine water column, sand, and mud habitats; however, these impacts will not be substantial. Best management practices to minimize both short-term construction impacts and long-term impacts to habitats have been developed. The SER HCD has no EFH conservation recommendations to provide pursuant to Section 305(b)(2) of the Magnuson-Stevens Act at this time. Further consultation on this matter is not necessary unless future modifications are proposed and such actions may result in adverse impacts to EFH.

cc:

F/HC3 – Fellas

F/SER – Giordano

F/SER4 – Dale

F/SER46 – Howard





ALABAMA HISTORICAL COMMISSION

468 South Perry Street
P.O. Box 300900
Montgomery, Alabama 36130-0900
334-242-3184 / Fax: 334-240-3477

Lisa D. Jones
Executive Director
State Historic Preservation Officer

May 3, 2018

Dr. Amy Hunter
DCNR
State Lands Division, Coastal Section
5 Rivers Delta Resource Center
Spanish Fort, Alabama 36527

Re: AHC 2018-0689
TIG NRDA Restoration Plan II
Baldwin and Mobile Counties

Dear Dr. Hunter:

Upon review of the above referenced projects, we offer the following comments:

1. Magnolia River Land Acquisition Project (Holmes Tract)

We agree with acquisition. Restoration activities should be coordinated with AHC to determine whether they have the potential to impact historic properties.

2. Weeks Bay Land Acquisition Project (East Gateway Tract)

We agree with acquisition. Restoration activities should be coordinated with AHC to determine whether they have the potential to impact historic properties.

3. Weeks Bay Acquisition Project (Harrod Land Tract)

We agree with acquisition. Restoration activities should be coordinated with AHC to determine whether they have the potential to impact historic properties. There are two known archaeological sites near this project area.

4. Little Lagoon Living Shoreline Project

Installing coconut fiber "coir" logs and grass planting may have the potential to impact historic resources, depending on what methods are used. Please clarify what is involved in each action. There are six known archaeological sites in the vicinity of this project area.

5. Fowl River Nutrient Reduction Project

We agree with technical assistance. Future DCNR-funded maintenance and corrective activities should be coordinated with AHC to determine whether they have the potential to impact historic properties.

6. Weeks Bay Nutrient Reduction Project

We agree with technical assistance. All ground-disturbing activities should be coordinated with AHC to determine whether they have the potential to impact historic properties.

7. CAST Conservation Program

We agree with the proposed actions as they have no potential to impact historic properties.

8. Facility Proposed by the CAST Triage Project

We agree with the proposed actions. This area has been surveyed for cultural resources with negative findings. In addition, significant ground disturbance has already occurred due to previous construction.

9. CAST Habitat Usage and Population Dynamics Project

We agree with the proposed actions as they have no potential to impact historic properties.

10. CAST Protection: Enhancement and Education Project

We agree with the proposed actions as they have no potential to impact historic properties.

11. Enhancing Capacity for the Alabama Marine Mammal Stranding Network

We agree with the proposed actions as they have no potential to impact historic properties.

12. Alabama Estuarine Bottlenose Dolphin Protection: Enhancement and Education

We agree with the proposed actions as they have no potential to impact historic properties.

13. Potential Oyster Mounding Study Sites

We agree with planning for this project. We concur with DCNR that cultch deployment activities should be coordinated with our office. We recommend that the side scan sonar survey be conducted to meet Alabama's Policy for Archaeological Survey and Testing (attached) so that our office may review the findings with regard to historic properties. Maritime survey policy begins on page 9-12. Feel free to contact our office if you have questions about this policy.

14. Proposed Oyster Reef Mapping

We recommend that the side scan sonar surveys be conducted to meet Alabama's Policy for Archaeological Survey and Testing (attached) so that our office may review the findings with regard to historic properties. Please explain the process of hand dredging and pole sounding.

15. Remote Setting Oyster Reef Research

We agree with actions at Claude Peteet Mariculture Center Complex.

We concur with DCNR that an archaeological survey should be conducted for the proposed activities at Dauphin Island due to the proximity of the known archaeological site.

All ground-disturbing activities associated with cultch deployment should be coordinated with our office.

16. Oyster Reef Grow-Out and Restoration Reef Placement Project

We concur with DCNR's determination that these actions should be coordinated with our office.

We appreciate your commitment to helping us preserve Alabama's historic archaeological and architectural resources. Should you have any questions, please contact Amanda McBride at 334.230.2692 or Amanda.McBride@ahc.alabama.gov. Have the AHC tracking number referenced above available and include it with any future correspondence.

Sincerely,



Lee Anne Wofford

Deputy State Historic Preservation Officer

Architectural Survey Guidelines



Alabama Historical Commission
468 S. Perry Street
Montgomery, AL 36130-0900
(334) 242-3184

preserve **ALA**
ALABAMA HISTORICAL COMMISSION

SURVEY PRODUCTS AND DOCUMENTATION

FIELD VISIT

The consultant may meet with the AHC Architectural Survey Coordinator on site prior to the field survey.

SURVEY NUMBERS

The survey number is comprised of a two letter county abbreviation followed by a five digit number. The survey number uniquely identifies each resource and should be used on the survey forms, maps, inventory, photographs, and survey report. A county abbreviation list can be found on the last page of this document.

Example: the survey number for the 25th property surveyed during a project in Dallas County would be: Ds00025.

SURVEY FORMS

An AHC Survey Form will be filled out for every resource 50 years of age or older. Digital versions are available from the AHC and will be accepted with the following stipulations: 1) hard copies still must be submitted, in numerical order by survey number; 2) each form must be saved as the survey number.

SURVEY REPORT AND INVENTORY

A Survey Report must be completed for all survey projects regardless if a National Register nomination will be prepared in the future. Refer to pages 4 and 5 for guidelines on how to complete a survey report.

An inventory is a listing of all surveyed historic resources numerically organized by survey number. For each surveyed resource include the following information: the assigned survey number, historic name (if known), address, date of construction, architectural type and brief description, integrity, modifications, current conditions, and any other noteworthy information.

Digital versions of the Survey Report and inventory are accepted with the following stipulations: 1) documents must be saved as .pdf file type; 2) documents must be turned in on a CD or DVD labeled with name and date of survey and the document names.

SURVEY MAPS

The AHC will digitize all completed survey maps. Please be as neat as possible. If maps are turned in messy and hard to understand, they will be returned for correction.

All maps should contain key elements including: 1) north arrow; 2) a reference of the map scale or absence of scale, and 3) name of survey, property or district, county, and state.

All maps, regardless of size, should be folded to an approximately 8 1/2" x 11" size and placed within appropriately sized archival quality, clear plastic sleeves or ringed manila

pockets and submitted **unbound**. Reduce all non-USGS maps to a size no larger than a USGS quad map and fold accordingly. Label all maps with the name and date of project.

USGS maps: When possible, the AHC recommends that all surveyed resources be marked on U.S. Geological Survey topographic maps. Clearly and neatly identify surveyed resources by the assigned survey number (only the last few digits...example: if the survey number is Ds00025, only write 25 on the map) and note other pertinent information as space allows. When using USGS maps where there is a high concentration of resources, photocopy and enlarge the target area to either 8 ½" x 11" or 11" x 17". If this option is chosen, please label the photocopied section by 1) quad name and date and 2) name and date of the survey. The AHC requires one complete set of USGS maps for the entire survey area with all surveyed resources marked by the assigned survey number. Use 7.5-minute series (1:24000) scale maps for surveys. Obtain USGS maps through the Oil and Gas Board, 420 Hackberry Lane, P.O. Box 0218, Tuscaloosa, Alabama 35486, (205) 349-2852.

Digital USGS Maps: The AHC will accept digital versions of USGS maps on CD as long as the maps are printable and the assigned survey number clearly identifies each surveyed resource. Digital maps cannot be substituted for original USGS maps for NR projects. Label the CD/DVD with the name and date of the project, and the contents of the CD/DVD.

Plat Maps: Use plat maps only in urban areas where individual buildings are not delineated on the USGS maps. In these situations a more detailed map -- such as a planimetric, tax map, or city plat map -- that shows all surveyed resources with assigned survey numbers is required. A USGS map is also required that shows the boundaries of the surveyed area. Reduce all non-USGS maps to a size no larger than a 7.5-minute series (1:24000) scale USGS quad map.

Other Maps: When USGS or Plat maps are not available for a particular area, please discuss map options with the AHC Survey Coordinator.

PHOTOGRAPHIC DOCUMENTATION

The AHC will accept .jpg format digital photos for survey work. The size of each image must be 1600x1200 pixels at 300 ppi (pixels per inch) or larger. The AHC recommends saving digital images in 8-bit (or larger) color format, which provides maximum detail even when printed in black-and-white. The file name for each electronic image saved on a CD-R or DVD-R will be saved as the assigned survey number. If multiple pictures are taken of the same resource, add a lower case letter beginning with "a" to the end of the survey number.

CD-Rs and DVD-Rs submitted with a survey will be labeled with: the name of the survey, the county where the survey was performed, the person(s) performing the survey, and the date of the survey. All photographic documentation will become the property of the AHC.

SURVEY REPORT GUIDELINES

A final survey report that meets the Secretary of Interior Standards should be included.

- I. Scope of survey: A survey report is a summary of how the surveyor accomplished the survey. The survey report should address the following items:
 - A. Description of the survey
 1. People who did the work
 2. Surveyor's qualifications
 - B. Purpose of the survey
 1. Why undertake the survey?
 2. What did the surveyor expect to find?
 - C. Survey Methodology
 1. How was the survey accomplished? Describe survey techniques.
 - a. Review of previous surveys
 - b. Local authorities and historical groups contacted
 - c. Sources reviewed
 2. What criteria were used to identify and assess the properties?
- II. What did the survey find?
 - A. Area of survey
 1. A verbal boundary description of the entire survey area
 2. Acreage of survey area
 3. Was the entire area thoroughly inspected? If not, which portions were not surveyed and why?
 4. If, and to what extent, interiors were examined
 - B. Actual number of buildings documented
 - C. Analytical information obtained through the survey
 - D. Ways this information can be used in the future
 - E. Recommendation on the next step to take in connection with the collected data
- III. Description of Surveyed Area: A descriptive statement should be prepared about the overall survey and its results. It should include all components of the survey including historical, architectural, and archaeological. The description should include the following types of information, where applicable.
 - A. General physical description of the natural and man-made character of the survey area, including important geographical and topographical features, density of development, current land uses, and types of historic resources that are most prominent.
 - B. General description of the survey area during periods it achieved significance. If a series of maps is available that illustrate the physical development of the resource area, these can be included.
 - C. Architectural overview
 1. The general character of the surveyed area, such as residential, commercial or industrial and the type of buildings found in the surveyed area
 2. Include a general description of types, styles, or periods of architecture represented in the surveyed area. Discuss such features as scale, proportions, materials, workmanship, design, and quality.

3. Describe the general condition and integrity of buildings, including alterations and additions, and any restoration or rehabilitation activities.
 4. Describe the physical relationship of buildings to each other and to the environment. Include a general discussion of facade lines, street plans, parks, structural density, vegetation, and important natural features and discuss the changes over time.
 5. Provide a breakdown of the approximate percentage of buildings found in the area (commercial, residential, educational, religious, etc.)
- IV. **Significance of Surveyed Area:** The significance of the surveyed area should include historical and architectural components. It should pertain to the surveyed area as a whole, not specific individual properties. Justify all areas of significance in the narrative.
- A. Briefly discuss the overall significance of the historic resources within the area.
 - B. Discuss the broad historical development of the area, including pre- and post-European contact settlement. Discuss the development of transportation routes, trade, agriculture industry, immigration, etc. What are the major periods of significance in the survey area? How do the surveyed resources represent these periods?
 - C. Briefly discuss major historical events and figures related to the significance of the surveyed area and indicate which properties relate to them.
 - D. Discuss in general terms the areas of significance exhibited by the survey area, citing some specific resources as examples.
- V. **Inventory of Recorded Properties:** This is a brief description of each resource included in the final inventory and should include, if applicable, survey number, circa date of construction, brief architectural description, historical data, architect/builder, alterations, current condition, etc.
- VI. **National Register Eligible Resources:** Include a list of recommended National Register eligible individual properties and historic districts or district expansions. Include boundaries of all properties and historic districts.
- VII. **Recommendations:** A brief summary that recommends if additional survey or research should be undertaken in the survey area, needs for context development, and ways survey information can be used.
- VIII. **Bibliographic References:** List the major sources for compiled information used in the survey overview. General reference works on architecture, archaeology, etc. should not be included unless they provide specific information that was of assistance in evaluating the properties. Use a standard bibliographic style listing author, full title, date and location of publication, and publisher. For an article, list the magazine or journal from which it was taken, volume number, and date. For unpublished manuscripts, indicate where copies are available. List all oral interviews with the date of the interview.

Alabama County Abbreviations

Autauga	Au	Macon	Mc
Baldwin	Ba	Madison	Ma
Barbour	Br	Marengo	Mo
Bibb	Bb	Marion	Mr
Blount	Bt	Marshall	Ms
Bullock	Bk	Mobile	Mb
Butler	Bu	Monroe	Mn
Calhoun	Ca	Montgomery	Mt
Chambers	Ch	Morgan	Mg
Cherokee	Ce	Perry	Pe
Chilton	Cn	Pickens	Pi
Choctaw	Cw	Pike	Pk
Clarke	Ck	Randolph	Ra
Clay	Cy	Russell	Ru
Cleburne	Cb	Shelby	Sh
Coffee	Co	St. Clair	Sc
Colbert	Ct	Sumter	Su
Conecuh	Cc	Talladega	Ta
Coosa	Cs	Tallapoosa	Tp
Covington	Cv	Tuscaloosa	Tu
Crenshaw	Cr	Walker	Wa
Cullman	Cu	Washington	Wn
Dale	Da	Wilcox	Wx
Dallas	Ds	Winston	Wi
Dekalb	Dk		
Elmore	Ee		
Escambia	Es		
Etowah	Et		
Fayette	Fa		
Franklin	Fr		
Geneva	Ge		
Greene	Gr		
Hale	Ha		
Henry	He		
Houston	Ho		
Jackson	Ja		
Jefferson	Je		
Lamar	Lr		
Lauderdale	Lu		
Lawrence	La		
Lee	Le		
Limestone	Li		
Lowndes	Lo		