

## Appendix E.



USFWS

*Snowden Hall*

## **Memorandum of Agreement between the U.S. Fish and Wildlife Service, the U.S. Geological Survey, and the Maryland Historical Trust Regarding the Demolition of Structures at Patuxent Research Refuge**



MEMORANDUM OF AGREEMENT  
BETWEEN  
U.S. FISH AND WILDLIFE SERVICE, U.S. GEOLOGICAL SURVEY  
AND  
THE MARYLAND HISTORICAL TRUST  
REGARDING  
THE DEMOLITION OF STRUCTURES  
AT  
PATUXENT RESEARCH REFUGE  
PRINCE GEORGE'S COUNTY, MARYLAND

WHEREAS, the U.S. Fish and Wildlife Service (USFWS) owns the Patuxent Research Refuge (Patuxent), including all the buildings located in Prince George's County, Maryland, and illustrated on Exhibit 1; and

WHEREAS the U.S. Geological Survey (USGS) uses some of the buildings to conduct wildlife research at the refuge; and

WHEREAS, the refuge contains the following two historic districts listed on the Maryland Inventory of Historic Properties in 2000, and agreed by the USFWS and the Maryland State Historic Preservation Office (MD SHPO) to be eligible for inclusion in the National Register of Historic Places:

A. Patuxent Research Refuge Historic District (PG: 64-13), with 43 historic structures including the Holst Log Cabin (PG: 64-007) and Snowden Hall (PG: 64-1) shown on Exhibits 2, 3, and 4; and

B. South Tract Forest Service Historic District (PG: 64-15), with 8 historic structures, shown on Exhibit 5; and

WHEREAS, many of the buildings at Patuxent have aged to the point of requiring an extensive amount of maintenance and utility consumption while the USFWS seeks to reduce its impacts on climate and wildlife habitat, to control future energy costs, and to adopt alternative sources of energy in its operations at Patuxent; and

WHEREAS, many of the buildings at Patuxent were designed to support specific operations connected to the wildlife research and experiments of the past and no longer support the type and methods of research needed today; and

WHEREAS, the USFWS and USGS are implementing a Facility Modernization Plan (FMP) and other cost saving measures over the next 10 years which will preserve 16 historic buildings (listed in Attachment A) but will adversely affect the two historic districts by demolishing 35 historic structures (listed in Attachment B) over the next 10 years (Undertaking); and

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WHEREAS, the Undertaking includes the immediate demolition of 12 of the 35 historic structures and later demolition of the remaining 23 historic structures post-2010, as funding becomes available (also shown on Attachment B); and

WHEREAS, the Undertaking includes the demolition of 38 non-historic structures in 2010 and 11 additional non-historic structures within the next 10 years (all listed in Attachment C); and

WHEREAS, the USFWS, in consultation with the MD SHPO, designed the Undertaking to avoid and minimize impacts to archaeological sites that could potentially be affected by activities associated with the demolition of fiscal year 2010 historic and non-historic structures; and

WHEREAS, the maps in Exhibits 2-5 show the locations of the buildings slated for demolition by the Undertaking, along with the affected historic districts; and

WHEREAS, the USFWS has determined that the Undertaking will have an adverse effect on the Patuxent Research Refuge Historic District and on the South Tract Forest Service Historic District and has consulted with the MD SHPO pursuant to 36 CFR 800, the regulations implementing Section 106 of the National Historic Preservation Act (16 USC 470f); and

WHEREAS, the USFWS provided opportunities for appropriate public notice and involvement stated in 36 CFR 800.6(a)(4) through a combination of public notification and meetings during the development of the FMP; and

WHEREAS, the USFWS identified and consulted with the Prince George's County Planning Department/Maryland National Capital Park and Planning Commission (M-NCPPC) in the Section 106 Process;

WHEREAS, the USFWS has notified the Advisory Council on Historic Preservation (ACHP) of its adverse effect determination providing the specified documentation in accordance with 36 CFR Part 800.6(a)(1) and the ACHP has chosen not to participate in the consultation pursuant to 36 CFR Part 800.6(a)(1)(iii), in a letter dated May 12, 2010; and

NOW, THEREFORE, the USFWS and the MD SHPO agree that the Undertaking shall be implemented in accordance with the following stipulations in order to take into account the effect of the Undertaking on historic properties.

#### STIPULATIONS

USFWS and USGS shall ensure that the following measures are carried out:

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#### **A. RETENTION OF HISTORIC STRUCTURES**

USFWS shall retain the historic structures listed in Attachment A, which are contributing resources to the Patuxent Research Refuge Historic District (PG: 64-13). Subject to the availability of funds, USFWS shall ensure the appropriate rehabilitation and adaptive reuse of the structures in accordance with the *Secretary of the Interior's Standards for Treatment of Historic Properties* (36 CFR Part 68), specifically using the *Guidelines for Rehabilitation of Historic Buildings*. USFWS shall consult with the MD SHPO regarding any future actions proposed for the historic structures in accordance with the standard Section 106 process (36 CFR 800.3 through 800.7).

#### **B. TREATMENT OF ARCHAEOLOGICAL SITES - PREVENTION OF ARCHAEOLOGICAL IMPACTS DURING DEMOLITION OF STRUCTURES**

USFWS shall ensure that particular care is taken during earth-disturbing activities of the Undertaking and shall implement the measures in Attachment D to avoid adverse effects to as yet undiscovered archeological sites during building demolition. Should the demolition actions uncover any unanticipated archaeological resources, USFWS shall implement the consultation process specified in Stipulation H.

#### **C. RECORDATION OF HISTORIC STRUCTURES SLATED FOR DEMOLITION IN THE PATUXENT RESEARCH REFUGE HISTORIC DISTRICT (PG: 64-13) AND THE SOUTH TRACT FOREST SERVICE HISTORIC DISTRICT (PG:64-15)**

1. Immediate Demolition of Historic Structures: USFWS and USGS may proceed with the Undertaking for the historic properties slated for immediate demolition listed in Attachment B, provided that USFWS ensures that the recordation measures in Attachment F are carried out prior to the demolition of those historic properties. USFWS shall submit the recordation products for buildings to be immediately demolished to the MD SHPO in final form for review and acceptance no later than March 31, 2011. If the MD SHPO does not provide comments on the recordation package within 30 calendar days of receipt, USFWS may assume acceptance of the recordation package and demolition will proceed.
2. Demolition of Historic Structures post-2010: Prior to the demolition of structures listed in Attachment B slated for removal post-2010, USFWS shall consult with the MD SHPO to determine the level and kind of recordation required for the properties. USFWS shall submit the agreed upon recordation products for buildings to be demolished post-2010 to the MD SHPO in final form for review and approval prior to the demolition of historic properties. If the MD SHPO does not provide comments on the recordation package within 30 calendar days of receipt, USFWS may assume acceptance of the recordation package and proceed with demolition.

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#### D. TREATMENT OF THE HOLST LOG CABIN (PG: 64-007)

1. Marketing: USFWS shall temporarily retain the historic Holst Log Cabin (Cabin) (PG:64-007) for 2 years from the date of signing of this Memorandum of Agreement (Agreement) in order to afford the opportunity to market the structure for relocation or salvage to a new location off the refuge. If the marketing is successful, USFWS will retain the Cabin for a third year to facilitate relocation or salvage, as needed. USFWS will develop a marketing plan for relocation of the Cabin off site, in consultation with the MD SHPO and M-NCPPC. The plan shall include the following elements:

- An information package about the Cabin;
- Current photographs of the Cabin interior and exterior;
- Information on the Cabin's historic significance;
- A distribution list of potential purchasers or transferees;
- An advertising plan and schedule;
- A schedule for receiving and reviewing offers;
- Discussion of any relevant local requirements and incentives;

Upon the MD SHPO's agreement with the marketing plan, USFWS shall implement the plan. USFWS shall review all offers in consultation with the MD SHPO and M-NCPPC prior to making a decision on the acceptance of an offer.

2. Recordation: In accordance with Stipulation C.2 of this Agreement, USFWS shall develop a recordation package for the Cabin in consultation with the MD SHPO and M-NCPPC, and submit the recordation to MD-SHPO for approval and M-NCPPC for comment within 2 years of signing this agreement and before moving or demolishing the Cabin. USFWS shall submit copies of the final documentation with photographs to the MD SHPO and M-NCPPC.
3. Salvage: Should the search for a new location for the Cabin be unsuccessful, USFWS shall offer the sound architectural elements for potential reuse, public interpretation, or educational purposes and if such a reuse is found, make salvage of sound architectural elements of the structure a part of the demolition contract. USFWS shall ensure that items thus selected for salvage are removed from the structure by the demolition contractor in a manner that minimizes damage and are given over with legal title to the recipient(s).

#### E. PUBLIC INTERPRETATION

1. Video: USFWS shall prepare a 30 minute film about the history of the Patuxent Research Center historic resources, its wildlife research, and the context and significance of the two historic districts affected by the demolition by July 30, 2011. On December 23, 2010, the Service submitted a draft product outline to the

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MD SHPO for review and comment. The film will be offered for viewing on a daily basis in the main auditorium of the refuge's National Wildlife Visitor Center, made available to other USFWS facilities as a loan through the USFWS's National Conservation Training Center, and made available to Maryland Public Television for broadcast by December 31, 2011. USFWS will make copies of the video available to the MD SHPO, M-NCPPC, county and State historical societies, local public libraries and schools.

2. Exhibit: USFWS shall prepare a topographic relief map exhibit showing land use and buildings at Patuxent, and highlighting the refuge's historic districts and their important contributing buildings. The exhibit will be on permanent display in the National Wildlife Visitor Center. The exhibit shall relate the importance of the buildings to the history of wildlife research on the refuge. On December 23, 2010, the Service submitted a draft product outline to the MD SHPO for review and comment. The exhibit shall be completed by December 31, 2011.
3. Guided Tours: USFWS shall periodically (circa once a year) provide the public with a guided tour of the Headquarters Area on the Central Tract of the refuge. The tour will focus on the historic buildings and sites, as well as wildlife research and land management at the refuge.
4. Booklet: USFWS shall use the results of the recordation efforts conducted pursuant to Stipulations C.1 and C.2 in a booklet that will be available at the public entry points on the refuge (the National Wildlife Visitor Center and the North Tract Visitor Contact Station). Information in the booklet will include the history of the development of the refuge and the history of the wildlife research conducted there. USFWS shall provide a copy of the booklet to the MD SHPO and M-NCPPC.

#### **F. DEMOLITION OF NON-HISTORIC STRUCTURES**

USFWS may demolish all non-historic structures listed in Attachment C without further coordination with the MD SHPO, provided the provisions in Attachment D are implemented.

#### **G. MODIFICATIONS TO ATTACHMENTS B AND C**

USFWS may propose changes to the list of structures slated for demolition (Attachments B and C) and will coordinate any proposed changes with the MD SHPO. Upon the mutual written agreement of USFWS and the MD SHPO, the USFWS shall produce revised and dated copies of Attachments B and C, as relevant, which shall replace the version(s) included in the original Agreement.

#### **H. UNEXPECTED DISCOVERY OF HISTORIC PROPERTIES**

Should historic properties be unexpectedly encountered during the implementation of the Undertaking, USFWS shall ensure that reasonable efforts are made to avoid, minimize or

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mitigate adverse effects to such properties and shall consult with the MD SHPO to resolve any unavoidable adverse effects pursuant to 36 CFR 800.6.

#### **I. AMENDMENTS**

1. Any party to this Agreement may request that it be amended, whereupon all parties will consent pursuant to 36 CFR Part 800.6(C)(7) to consider such amendment.
2. No amendment to this Agreement will be valid unless all parties have agreed to it in writing.

#### **J. DISPUTE RESOLUTION**

1. Should any party to this Agreement object in writing to any action carried out or proposed in connection with the implementation of this Agreement, the signatories shall consult with the objecting party to resolve the objection. If, after initiating such consultation, USFWS determines that the objection cannot be resolved through consultation, the USFWS shall forward all documentation relevant to the objection to the ACHP for comment.
2. USFWS shall take into account any ACHP recommendation or comment provided in accordance with this stipulation with reference only to the subject of the objection; the responsibility of the USFWS to carry out all actions under this Agreements that are not the subjects of the objection shall remain unchanged.
3. If the ACHP does not provide its advice regarding the dispute within the thirty (30) day time period, the USFWS may make a final decision on the dispute and proceed accordingly. Prior to reaching such a final decision, the USFWS shall prepare a written response that takes into account any timely comments regarding the dispute from the signatories to the Agreement, and provide them and the ACHP with a copy of such written response.

#### **K. STANDARD CLAUSES AND TERMINATION**

1. **ANTI-DEFICIENCY ACT:** Pursuant to the Anti-Deficiency Act, 31 U.S.C. §1341(a)(1) (1994), nothing contained in this Agreement shall be construed as binding the United States to expend any sum in excess of appropriations made by Congress for the purposes of this Agreement, or as involving the United States in any contract or other obligation for the further expenditure of money in excess of such appropriations.
2. Any party to this Agreement may terminate it for cause by providing thirty (30) days notice to the other parties, provided that the parties will consult during the period prior to termination to seek agreement on amendments or other actions that would avoid termination.

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3. In the event of termination, and prior to work continuing on the undertaking, the USFWS must either: (a) execute a MOA pursuant to 36 CFR 800.6, or (b) request, take into account, and respond to the comments of the ACHP under 36 CFR 800.7. USFWS shall notify the signatories as to the course of action it will pursue.

#### L. ANNUAL REVIEW

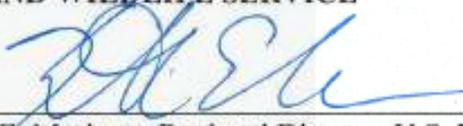
The USFWS and the MD SHPO shall review this Agreement every January for the Agreement's duration to review the status of implementation and determine whether any amendments to the document may be needed. The review may take place via conference call, in a physical meeting or in writing as needed. Reviews of this document shall occur until the successful completion of the mitigation measures stipulated in this document.

#### M. DURATION

This Agreement shall be null and void if its terms are not carried out within ten (10) years from the date of the last signature on this Agreement, unless the signatories agree in writing to an extension for carrying out its terms. At any time in the period prior to expiration, the USFWS may request in writing that the MD SHPO consider an extension or other modification. No such extension or other modification shall be valid unless agreed to by all signatory parties.

Execution of this MOA by the USFWS, USGS, MD SHPO, and implementation of its terms, will serve as evidence that the USFWS has afforded the ACHP an opportunity to comment on the Undertaking and its effects on historic properties, and that the USFWS has taken into account the effects of the Undertaking on historic properties.

#### U.S. FISH AND WILDLIFE SERVICE

BY:  DATE: 7/11/11  
Marvin E. Moriarty, Regional Director, U.S. Fish and Wildlife Service

Acting

#### MARYLAND STATE HISTORIC PRESERVATION OFFICER

BY:  DATE: 2-10-11  
J. Rodney Little, Director/State Historic Preservation Officer, Maryland Historical Trust

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**CONCURRING PARTY:**

**U.S. GEOLOGICAL SURVEY**

BY:  DATE: 13 JUNE 2011  
Gregory J. Smith, Patuxent Research Center Director, U.S. Geological Survey

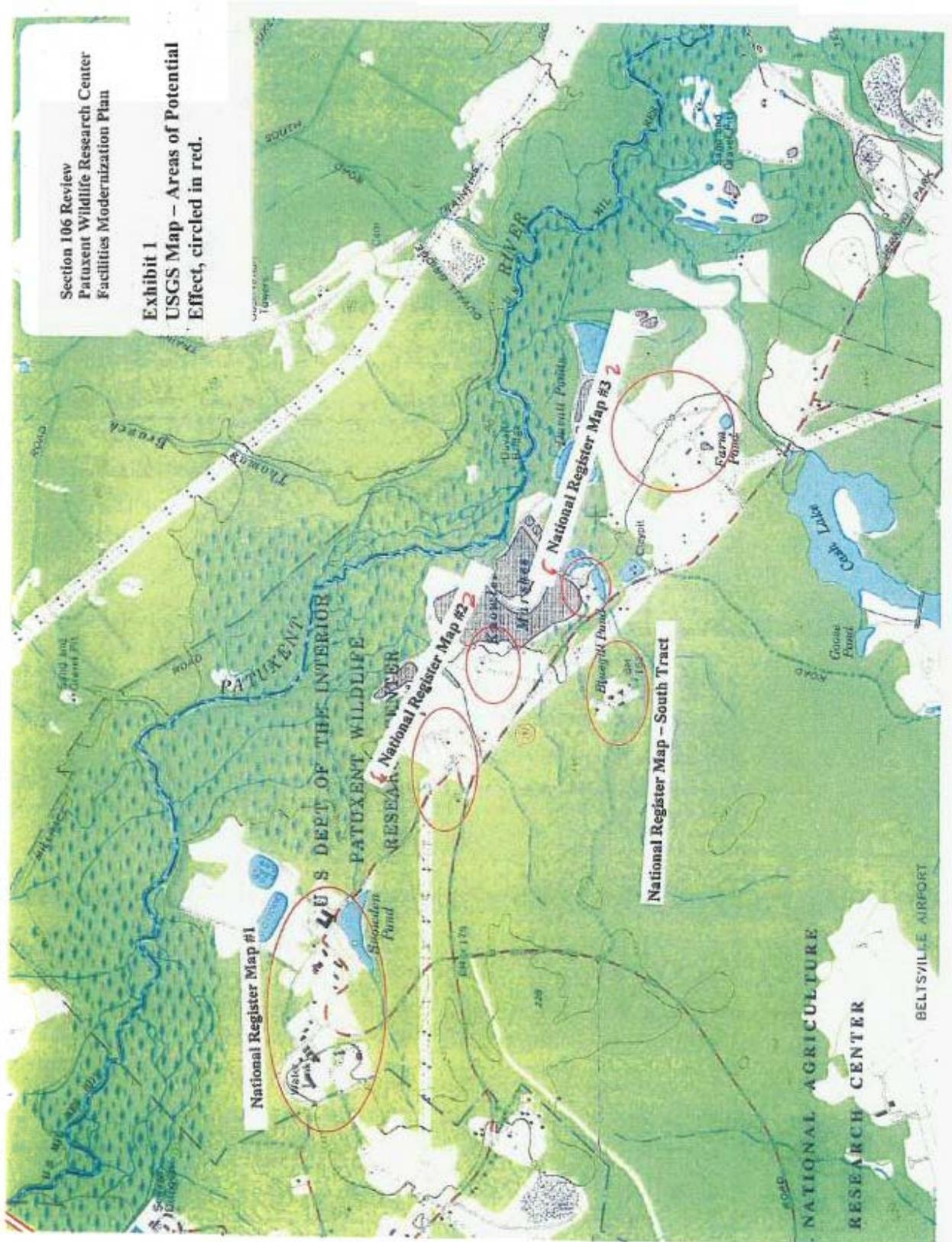
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#### **LIST OF EXHIBITS**

1. USGS Map – Areas of Potential Effect
2. Patuxent Research Refuge Historic District–Historic Structures Slated for Demolition (1 of 3)
3. Patuxent Research Refuge Historic District–Historic Structures Slated for Demolition (2 of 3)
4. Patuxent Research Refuge Historic District–Historic Structures Slated for Demolition (3 of 3)
5. South Tract Forest Service Historic District–Historic Structures Slated for Demolition

#### **LIST OF ATTACHMENTS**

- A. Historic Resources Proposed for Retention
- B. Historic Resources Proposed for Demolition
- C. Non-Historic Resources Proposed for Demolition
- D. Archaeological Protection Procedures
- E. Statement of Services Historic Resources Proposed for Demolition in 2010 – Recordation Report



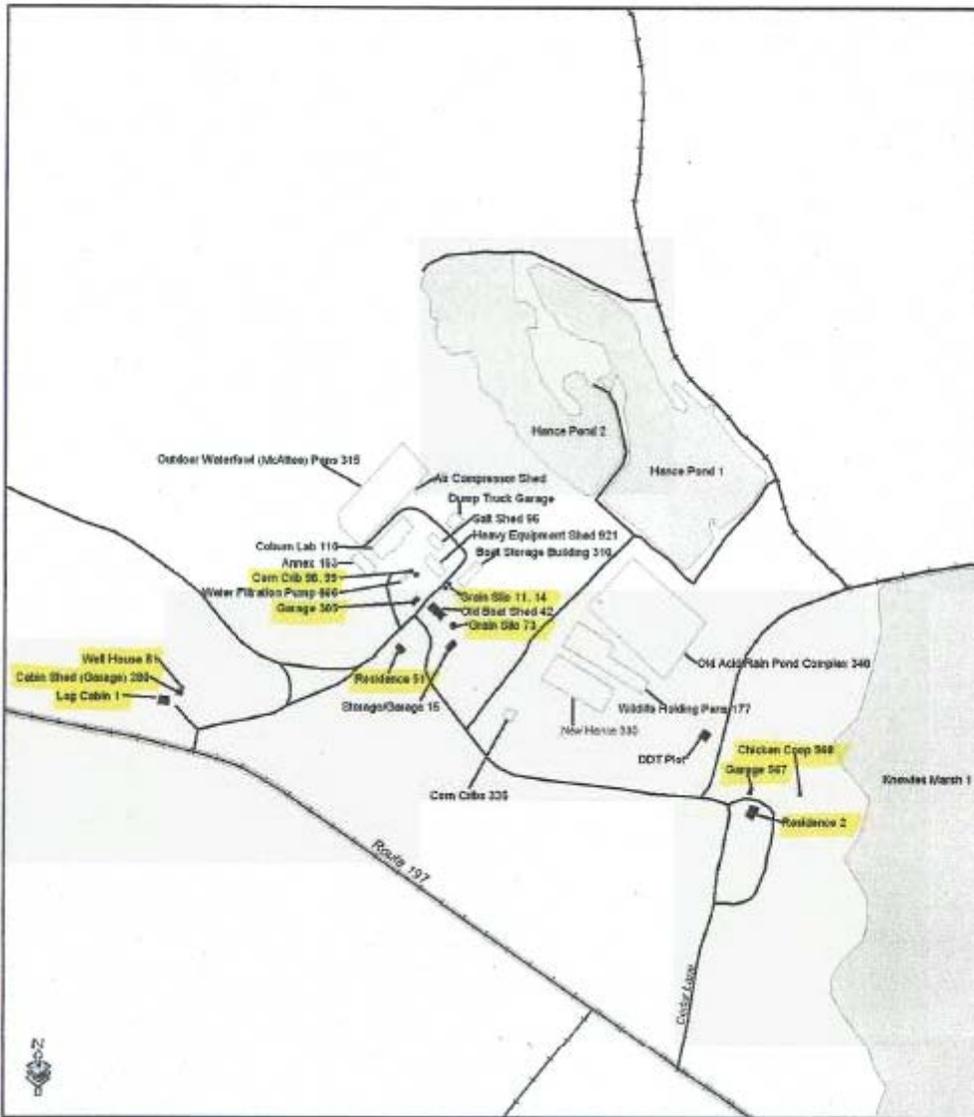


**Exhibit 3  
Patuxent Research Refuge  
Historic District – Historic  
Structures Slate for Demolition (2  
of 3)**



U.S. FISH & WILDLIFE SERVICE

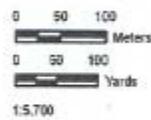
National Register Eligible Buildings at Patuxent Research Refuge (2 of 3)



June 26, 2009

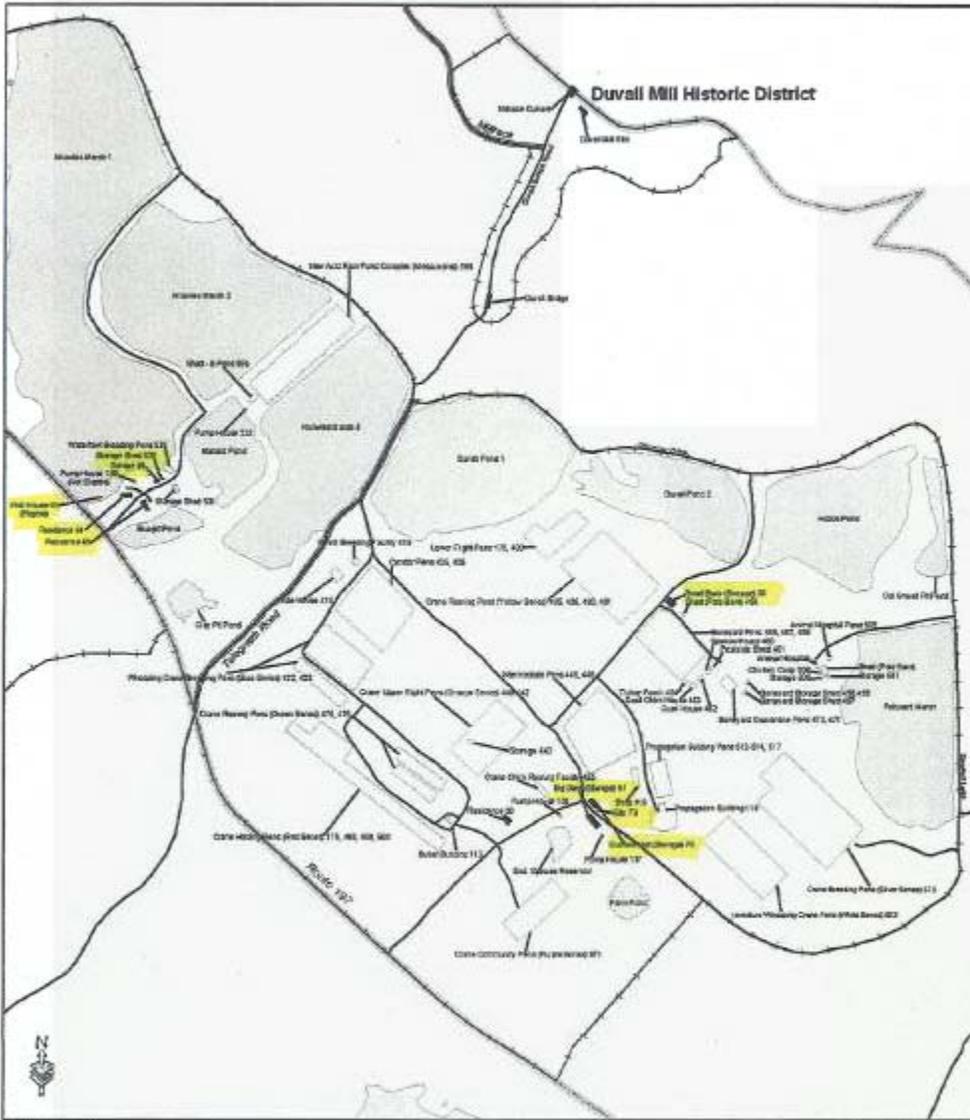
Section 106 Review  
Patuxent Wildlife Research Center  
Facilities Modernization Plan

Historic structures slated for  
demolition are highlighted in yellow



- Legend**
- Refuge boundary - CT
  - District Boundary
  - Road
  - Pond
  - Marsh
  - Building
  - Circle with dot: Eligible for the National Register
  - Square with dot: Not Eligible for the National Register

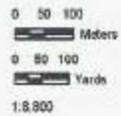
**Exhibit 4**  
**Patuxent Research Refuge**  
**Historic District – Historic**  
**Structures Slate for Demolition (3**  
**of 3)**



June 26, 2009

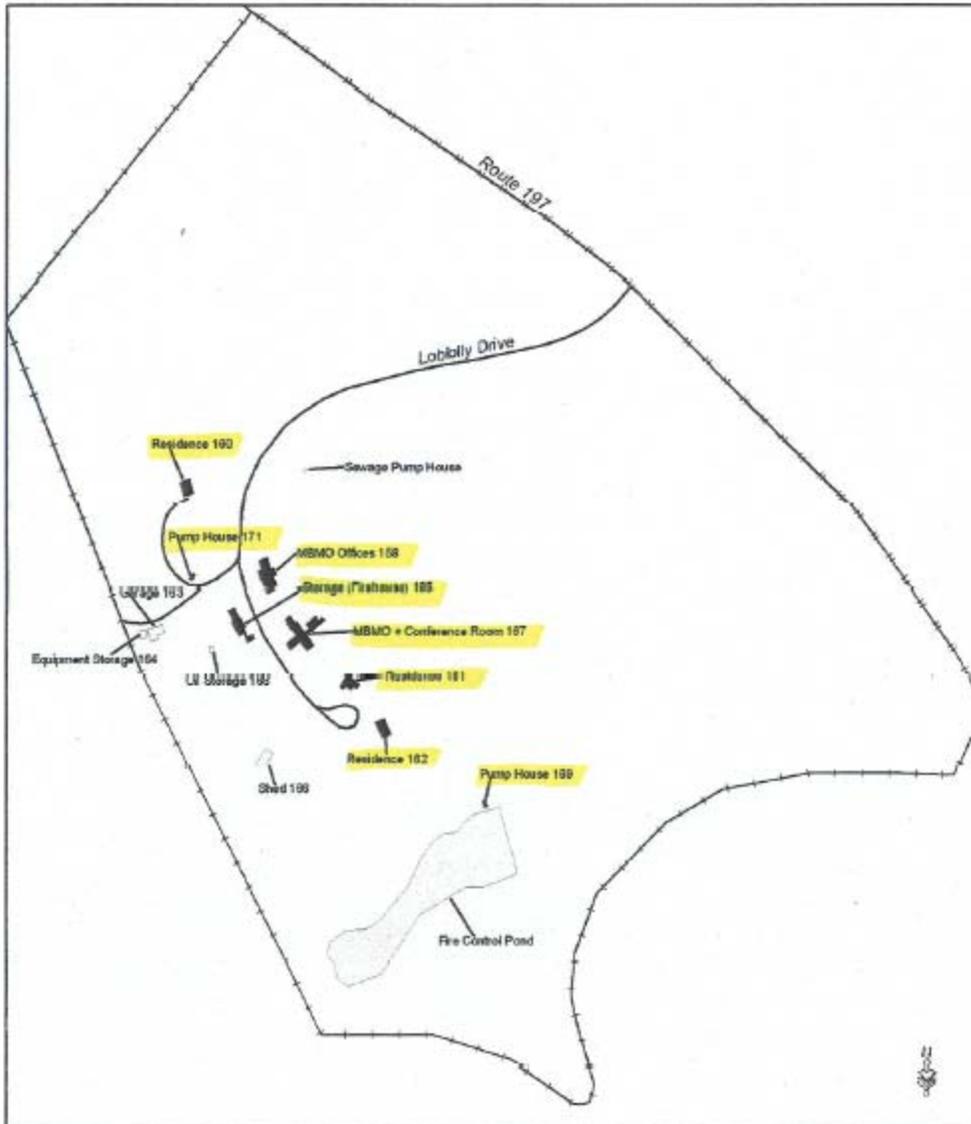
Historic structures slated for demolition are highlighted in yellow

Southern 10th Review  
 Patuxent Wildlife Research Center  
 Facilities Modernization Plan



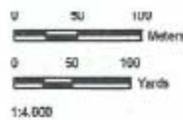
- Legend**
- Refuge boundary, CT
  - District boundary
  - Roads
  - Historic tracks
  - Ponds
  - Buildings
  - Eligible for National Register
  - Not Eligible for National Register

**Exhibit 5**  
**South Tract Forest Service**  
**Historic District Historic**  
**Structures Slated for Demolition**



July 01, 2009

Section 106 Review  
 Patuxent Wildlife Research Center  
 Facilities Modernization Plan  
 Historic structures slated for  
 demolition are highlighted in yellow



**Attachment A. Patuxent Research Refuge  
Historic Resources Proposed for Retention\*  
Listed by RPI# November 15, 2010**

<b>RPI#</b>	<b>MIHP#</b>	<b>Structure Name</b>	<b>Structure Location</b>
n/a		Entrance Gate	Headquarters Area
n/a		Flagpole	Headquarters Area
15		Storage Garage	B Farm Area
16		Snowden Hall	Headquarters Area
17		Nelson Laboratory	Headquarters Area
42		Old Boat Shed	B Farm Area
43		Springhouse	Headquarters Area
45		Merriam Laboratory	Headquarters Area
48		Superintendent's Residence	Headquarters Area
49		Assistant Superintendent's Residence	Headquarters Area
52		Service Garage	Headquarters Area
53		Apartment Building Garage	Headquarters Area
56		Tank House	Headquarters Area
79		Merriam Garage	Headquarters Area
80		Flock Manager's House	Endangered Species Area
89		Truck Storage Garage	Headquarters Area

\*Does not include Duvall Mill Historic District, which is not part of the FMP

**Attachment B. Patuxent Research Refuge - Historic Resources Proposed for Demolition  
Listed numerically by RPI#, November 15, 2010**

<b>Project #</b>	<b>RPI #</b>	<b>MIHP#</b>	<b>Structure Name</b>	<b>Structure Location</b>	<b>Proposed Date of Removal</b>
1	1	PG-64-7	Holst Cabin	B Farm Area	Post-2010
2	2	PG-64-13	Red Cedar Lane Quarters	Bluegill Pond Area	Post-2010
3	11	PG-64-13	B Farm Silo II	B Farm Area	Immediately
4	14	PG-64-13	B Farm Silo III	B Farm Area	Immediately
5	44	PG-64-13	Henshaw Laboratory	Headquarters Area	Immediately
6	50	PG-64-13	Apartment Building	Headquarters Area	Immediately
7	51	PG-64-13	Coburn Residence	B Farm Area	Post-2010
8	54 (923)	PG-64-13	Game Bird Yard Silo	Headquarters Area	Immediately
9	57	PG-64-13	Upper (White) Barn	Endangered Species Area	Immediately
10	64	PG-64-13	Residence 64	Bluegill Pond Area	Post-2010
11	65	PG-64-13	Residence 65	Bluegill Pond Area	Post-2010
12	66	PG-64-13	Bluegill Garage	Bluegill Pond Area	Post-2010
13	70	PG-64-13	Lower Barn	Endangered Species Area	Post-2010
14	73	PG-64-13	Upper Barn Silo	Endangered Species Area	Immediately
15	74	PG-64-13	B Farm Silo	B Farm Area	Immediately
16	76	PG-64-13	Quonset Hut	Endangered Species Area	Immediately
17	81	PG-64-13	Well #3/Pump	B Farm Area	Post-2010
18	82	PG-64-13	Game Bird Building	Headquarters Area	Post-2010
19	93	PG-64-13	Well No. 11 Pump/Springhouse	Bluegill Pond Area	Post-2010
20	98	PG-64-13	Corn Crib	B Farm Area	Immediately
21	99	PG-64-13	Corn Crib	B Farm Area	Immediately
22	158	PG-64-15	DMBM Office	South Tract	Post-2010
23	160	PG-64-15	Residence 160	South Tract	Post-2010
24	161	PG-64-15	Residence 161	South Tract	Post-2010
25	162	PG-64-15	Residence 162	South Tract	Post-2010
26	165	PG-64-15	Garage & Tool House	South Tract	Post-2010
27	167	PG-64-15	DMBM Office II	South Tract	Post-2010
28	169	PG-64-15	Fire Pond Pump Station	South Tract	Post-2010
29	171	PG-64-15	Well No. 9 Pump/Filter House	South Tract	Post-2010
30	230	PG-64-13	Snowden Pond Pump Station #1	Headquarters Area	Post-2010
31	280	PG-64-13	Holst Cabin Garage	B Farm Area	Post-2010
32	305	PG-64-13	B Farm Garage (Old Boat Shed)	B Farm Area	Post-2010
33	530	PG-64-13	Bluegill Chicken Coop	Bluegill Pond Area	Immediately
34	567	PG-64-13	Garage	Bluegill Pond Area	Post-2010
35	568	PG-64-13	Red Cedar Lane Chicken Coop	Bluegill Pond Area	Post-2010

**Attachment C. Patuxent Research Refuge - Non-Historic Resources Proposed for Demolition  
Listed by RPI#, November 15, 2010**

<b>RPI#</b>	<b>Structure</b>	<b>Location</b>
83	Headquarters Sewage Treatment Lagoon	Headquarters Area
95	Game Bird Yard Half Houses	Headquarters Area
96	Salt Shed	B Farm Area
111	Chemical Storage Building	Headquarters Area
116	Bat House	Headquarters Area
119	E.S. Area Shop	Endangered Species Area
153	Coburn Annex	B Farm Area
163	South Tract Garage	South Tract
164	Tool House	South Tract
166	Boat Garage	South Tract
180	Bluegill Pump Station & Filter House	Bluegill Pond Area
205	Duck Shed	Headquarters Area
210	Enclosed Waterfowl Pens	Headquarters Area
215	Enclosed Waterfowl Pens	Headquarters Area
220	Enclosed Waterfowl Pens	Headquarters Area
245	Duck Slabs	Headquarters Area
255	Duck Slabs	Headquarters Area
275	Alpha Unit Pens Shed	Headquarters Area
285	Alpha Unit Pens Shed	Headquarters Area
300	B Farm Chicken Coop	B Farm Area
335	Zoo Cages/Condor Pens	B Farm Area
410	Kite House	Endangered Species Area
415	Parrot Breeding House	Endangered Species Area
455	Crane Chick Rearing	Endangered Species Area
456	Small Pole Shed	Endangered Species Area
457	E.S. Bone Yard Shed	Endangered Species Area
458	E.S. Bone Yard Shed	Endangered Species Area
459	E.S. Bone Yard Shed	Endangered Species Area
460	Bird Breeding Facilities	Endangered Species Area
461	Bird Breeding Facilities	Endangered Species Area
462	Bird Breeding Facilities	Endangered Species Area
463	Bird Breeding Facilities	Endangered Species Area
464	Turkey Porch	Endangered Species Area
470	E.S. Bone Yard/Quarantine Pens	Endangered Species Area
471	E.S. Bone Yard/Quarantine Pens	Endangered Species Area
505	Old Vet Hospital Holding Pens	Endangered Species Area
506	Old Vet Hospital Shed	Endangered Species Area
507	Old Vet Hospital Shed	Endangered Species Area
508	Old Vet Hospital Shed	Endangered Species Area
531	Bluegill Shed	Bluegill Pond Area
535	Game Bird Yard Shed	Headquarters Area
556	Canvasback Shed	Bluegill Pond Area
560	Old Vet Hospital Trailer	Endangered Species Area
566	Game Bird Yard Storage Shed	Headquarters Area
615	Sewage Facility Pump House	South Tract
666	Water Filtration Pump Building	B Farm Area
---	Dump Truck Garage	B Farm Area
---	Old Veterinary Hospital Pole Barn	Endangered Species Area
---	Zoo Cages	B Farm Area
---	Sewage Facility Pumphouse	Headquarters Area

## ATTACHMENT D

### ARCHAEOLOGICAL PROTECTION

The buildings to be demolished are located in areas likely to contain important archaeological sites. These sites are the remains of past people's activities and can consist of artifacts in the ground and the soil itself. In order to preserve these sites through the demolition of the buildings and structures, the contractor shall take precautions to avoid disturbing the soil. Except for an area within four feet of the foundation of the building, there shall be no ground disturbance at the site. The contractor shall not grade the site.

1. Concrete foundation material located below existing grade may be removed to a depth of two feet. Concrete foundation material located above existing grade shall be demolished and removed from the site. It is intended that once each building has been demolished and removed, no grading or other ground disturbance will take place. Following completion of demolition, no portion of the building structure (including the concrete foundation) shall be visible above grade.
2. For buildings with basements, the basement cavity shall be filled to existing grade with fill obtained off site. The basement concrete floor slab shall be broken up as required to allow water drainage through the foundation. Ground disturbance shall be confined to within four feet of the existing foundation.
3. For structures without basements, completely demolish and remove each building, including the concrete slab (if there is one). Concrete footings and walls located below the existing grade line shall be removed to about two feet below the surface. Confine ground disturbance to within four feet of the piers or slab.

**Attachment E**  
**Statement of Services**  
**U.S. Fish and Wildlife Service**  
**Patuxent Research Refuge**

**Historic Resources Proposed for Demolition in 2010 - Recordation Report**

The U.S. Fish and Wildlife Service (Service) is seeking a cost proposal for the production of a report that will record 12 historic resources at the Patuxent Research Refuge (Refuge) that are slated for demolition in 2010. The undertaking will cause adverse effect to these 12 structures, and the report will serve as one mitigation treatment. The report will be submitted as a draft to the Service for review before a final product is submitted. Photographs and Determination of National Register Eligibility Forms of the 12 structures are attached to this Statement of Services. The Service can provide maps of the Historic Districts with the buildings noted by number as .pdf or .jpg files.

**Recordation Report Format**

The report will have the following items, as well as the documentation listed in the table on page 2:

- Cover Sheet: Project name, location, date, agencies involved, and author
- Project Summary: History of the project and the process by which the demolition of the buildings were determined to be appropriate
- Description: Description of the refuge and the general locations of the 12 pertinent structures
- Statement of Significance: History of the refuge, its relation to historical contexts, and the importance of the 12 pertinent structures to the refuge.
- Maps: Location maps, including an 11" x 17" sketch map and USGS map, indicating the location of the pertinent structures
- Photographic Index: Numbered index to sketch map and photographs
- Historic photographs, if available for each structure
- Set of plans, if called for. The Service can provide tiff files of plans for Henshaw, building 44, and the apartment Building, 50.
- The project will be considered complete when the report is accepted by the Service.

The recordation report will also have the following photographic documentation:

- There will be 3 photographic prints produced for each image, and all photographs will be 8x10 black and white glossy digital images.
- Digital images will have a minimum pixel depth or dimension of 3,000 x 2,000 and a minimum dpi of 300
- Photographs will be executed according to the Maryland Historic Trust standards, which are described on page 36 of the *Standards and Guidelines for Architectural and Historical Investigations in Maryland* ([http://mht.maryland.gov/documents/PDF/Survey\\_standards\\_architecture\\_web.pdf](http://mht.maryland.gov/documents/PDF/Survey_standards_architecture_web.pdf)), and in the *Standards for Submission of Digital Images to the Maryland Inventory of Historic Properties* ([http://mht.maryland.gov/documents/PDF/Survey\\_DigitalPhotos\\_2008.pdf](http://mht.maryland.gov/documents/PDF/Survey_DigitalPhotos_2008.pdf)).

- Photographic prints will be labeled on the back with a soft pencil. Labels will include Photograph#, RPI#, structure name, view description, photographer, and date photo taken as well as any required MHT information.
- All photographs and text will be saved on 75-year CD's, the photographs in .tiff and .jpg format. Three CD's will be submitted. Photographic files will be labeled by structure name and RPI#.

**Recordation for Mitigation Schedule Table**  
Listed by RPI#

RPI#	Structure Name	Photographic Documentation	Written Documentation
11	B Farm Silo II	(1) view of setting (2) ¼-view photos	1 paragraph architectural description 1 paragraph history of structure including importance of structure to Refuge
14	B Farm Silo II	(1) view of setting (2) ¼-view photos	1 paragraph architectural description 1 paragraph history of structure including importance of structure to Refuge
44	Henshaw Laboratory	(1) view of setting (4) ¼ view photos interior and exterior views of significant features as appropriate	Detailed exterior architectural description Detailed interior architectural description History of structure including importance of structure to Refuge 1 set building plans
50	Apartment Building	(1) view of setting (4) ¼ view photos interior and exterior views of significant features as appropriate	Detailed exterior architectural description Detailed interior architectural description History of structure including importance of structure to Refuge 1 set building plans
54 (923)	Game Bird Yard Silo	(1) view of setting (2) ¼-view photos	1 paragraph architectural description 1 paragraph history of structure including importance of structure to Refuge
57	Upper Barn	(1) view of setting (4) ¼-view exterior photos (8) interior photos depicting the structure of the building	2 paragraphs architectural description 1 paragraph history of structure including importance of structure to Refuge
73	Upper Barn Silo	(1) view of setting (2) ¼-view photos	1 paragraph architectural description 1 paragraph history of structure including importance of structure to Refuge
74	B Farm Silo	(1) view of setting (2) ¼-view photos	1 paragraph architectural description 1 paragraph history of structure including importance of structure to Refuge
76	Quonset Hut	(1) view of setting (2) ¼-view photos	1 paragraph architectural description 1 paragraph history of structure including importance of structure to Refuge
98	Corn Crib	(1) view of setting (2) ¼-view photos	1 paragraph architectural description 1 paragraph history of structure including importance of structure to Refuge
99	Corn Crib	(1) view of setting (2) ¼-view photos	1 paragraph architectural description 1 paragraph history of structure including importance of structure to Refuge

530	Bluegill Chicken Coop	(1) view of setting (2) ¼-view photos	1 paragraph architectural description 1 paragraph history of structure including importance of structure to Refuge
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**Suggested Historical Resources:**

- Annual reports of the Patuxent Research Refuge
- Oral histories of former and longtime employees
- “A Report on the History and Development of the Patuxent Research Refuge” by Dr. Leland C. Morley (<http://www.pwrc.usgs.gov/history/cronhist/Morley4.pdf>)
- “The Evolution of Patuxent as a Research Refuge and as a Wildlife Research Center” by Matt Perry ([http://www.pwrc.usgs.gov/history/cronhist/PatuxentHistory\\_Perry.pdf](http://www.pwrc.usgs.gov/history/cronhist/PatuxentHistory_Perry.pdf))

**Submittal Requirements**

Drafts

The draft recordation report (text and photos) may be submitted in electronic format to the Service’s Architectural Historian at [Paula\\_Sagerman@fws.gov](mailto:Paula_Sagerman@fws.gov)

Final Product

- One 3-ring binder, including all text, photographic prints, and maps.
- Photographic prints in archival-quality plastic sleeves
- One CD of each report, including all text, photographic prints, and scanned/digital maps.
- Photographic submission to MHT standards

**Project Schedule**

Draft Report Due 6 weeks after contract award

Final Report Due 1 week after receiving comments from the U.S. Fish and Wildlife Service

**Additional Information**

The cost proposal will be due by 4:00 pm on May 7, 2010 at the following address:

U.S. Fish and Wildlife Service

300 Westgate Center Dr.

Hadley, MA 01035

Attn: Gary Dupuis, Contracting Officer

Questions regarding this proposal may be directed to Paula Sagerman, Architectural Historian, 413-253-8271, [Paula\\_Sagerman@fws.gov](mailto:Paula_Sagerman@fws.gov).

