

**EDWARD F. POOLOS**  
DIRECTOR

**JEFFERY W. KITCHENS**  
DEPUTY DIRECTOR



**Alabama Department of Environmental Management**  
[adem.alabama.gov](http://adem.alabama.gov)

1400 Coliseum Blvd. 36110-2400 ■ Post Office Box 301463  
Montgomery, Alabama 36130-1463  
(334) 271-7700 ■ FAX (334) 271-7950

**KAY IVEY**  
GOVERNOR

## CATEGORICAL EXCLUSION FROM ENVIRONMENTAL REVIEW

Parrish Waterworks and Sewer Board  
Walker County

SRF Project No. FS010272-03

February 11, 2026

The Alabama Department of Environmental Management has made **\$600,000** in financial assistance available to **The Parrish Waterworks and Sewer Board** using funds from the Drinking Water State Revolving Fund (**DWSRF**) loan program. In accordance with State and Federal regulations that govern the program, the Alabama Department of Environmental Management has conducted a review to assess the potential impacts upon the environment that may result from implementation of this project.

The Parrish Waterworks and Sewer Board propose a project to provide improved drinking water reliability within its distribution system. The proposed project will consist of replacing water mains, installing valves, installing new chlorination booster pump, installing new booster pump station. Completion of this proposed project will reduce leaks, reduce the unaccounted-for water loss and decrease overall operational and maintenance costs.

The Alabama Department of Environmental Management has determined that the project qualifies for a Categorical Exclusion (CE) from further environmental study under the guidelines specified by the State Environmental Review Process (SERP) which specifically include actions which are solely directed toward minor rehabilitation of existing facilities, functional replacement of equipment, or towards the construction of new ancillary facilities adjacent or appurtenant to existing facilities. However, this decision may be reconsidered if significant adverse information concerning the potential environmental impacts of the project is discovered.

Comments relative to this project should be submitted in writing to Mrs. Chavon R. Jones, SRF Branch, Permits and Services Division, Alabama Department of Environmental Management, Post Office Box 301463, Montgomery, Alabama 36130-1463, no later than 30 days after the date of this public notice. The Alabama Department of Environmental Management will not take formal action to proceed with the project without carefully evaluating any public comments opposing the project.

Sincerely,

Edward F. Poolos  
Director

EFP/MDM/CRJ

Attachment



**Birmingham Office**  
110 Vulcan Road  
Birmingham, AL 35209-4702  
(205) 942-6168  
(205) 941-1603 (FAX)

**Decatur Office**  
2715 Sandlin Road, S.W.  
Decatur, AL 35603-1333  
(256) 353-1713  
(256) 340-9359 (FAX)

**Coastal Office**  
1615 South Broad Street  
Mobile, AL 36605  
(251) 450-3400  
(251) 479-2593 (FAX)

Parrish Waterworks and Sewer Board  
SRF# FS010272-03

The Categorical Exclusion is promulgated in the State Environmental Review Process (SERP) in Part IV, Section C: Categorical Exclusions for Drinking Water State Revolving Fund Projects: (Italicized sections apply.)

1. The following drinking water projects are eligible for categorical exclusions:
  - a. *Actions intended solely for minor rehabilitation, functional replacement, or ancillary facilities adjacent or appurtenant to existing facilities.*
  - b. Minor construction, including:
    - (1) New wells or replacement wells for water supply purposes if ancillary to the existing system;
    - (2) Improvements not intended to increase capacity of the system;
    - (3) Facilities for the disinfection of public water supplies;
    - (4) Facilities such as looping that will result solely in the provision of adequate public water system pressure;
    - (5) *Construction of water tanks;*
    - (6) Construction of new water lines in previously disturbed areas within one mile of the existing distribution system.
  - c. Projects where funding is being provided for planning and/or engineering costs only (in which case the requirements of IV.C.1.a-d do not apply).
2. In order to determine if a drinking water project is eligible for a CE, all of the following must not apply:
  - a. The action is known or expected to directly or indirectly adversely impact any of the following:
    - (1) Cultural or historical resources;
    - (2) Endangered or Threatened Species and/or their critical habitats;
    - (3) Environmentally important natural resource areas such as floodplains, wetlands, prime agricultural land, or aquifer recharge zones.
  - b. The action is not cost effective.
  - c. The action will cause significant public controversy.
  - d. The action will create a new or expanded surface drinking water source.

This project complies with the above requirements and has been determined to be eligible for a Categorical Exclusion.



# ALABAMA HISTORICAL COMMISSION

468 South Perry Street  
Montgomery, Alabama 36130-0900

Lisa D. Jones  
Executive Director  
State Historic Preservation Officer

Tel: 334-242-3184  
Fax: 334-242-1083

October 20, 2023

Robert Nelson  
P.O. Box 1053  
Gardendale, AL 35071

Re: AHC 24-0063  
Parrish Water System Improvements-Parrish Water Works Board-DW-ARPA (SRF #FS0101272-02)  
Walker County

Dear Mr. Nelson:

We concur with the above referenced project provided all construction activities will occur within **existing and previously disturbed** highway right-of-way and/or other previously disturbed areas. For the purposes of this letter, previous disturbance is defined as mechanical disturbance to either culturally sterile subsoil, or the maximum depth of the proposed undertaking. It should be noted that agricultural plowing does not typically meet this threshold of disturbance, nor do previously undisturbed portions of the ROW that require clearing of additional vegetation. Any area that is to be involved and does not fall into one of the above categories will require a cultural resource assessment by a professional archaeologist. Submit the resulting report to our office for review and determination prior to project initiation.

Consultation with the State Historic Preservation Office does not constitute consultation with Tribal Historic Preservation Offices, other Native American tribes, local governments, or the public. If archaeological materials are encountered during construction, the procedures codified at 36 CFR 800.13(b) will apply. Archaeological materials consist of any items, fifty years old or older, which were made or used by man. These items include but are not limited to, stone projectile points (arrowheads), ceramic sherds, bricks, worked wood, bone and stone, metal, and glass objects. The federal agency or the applicant receiving federal assistance should contact our office immediately. If human remains are encountered, the provisions of the Alabama Burial Act (Code of Alabama 1975, §13A-7-23.1, as amended; Alabama Historical Commission Administrative Code Chapter 460-X-10 Burials) should be followed. This stipulation shall be placed on the construction plans to ensure contractors are aware of it.

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](mailto:Amanda.McBride@ahc.alabama.gov). Have the AHC tracking number referenced above available and include it with any future correspondence.

Sincerely,

A handwritten signature in black ink that reads "Lee Anne Hewett".

Lee Anne Hewett  
Deputy State Historic Preservation Officer

LAH/AMH/nj



November 2, 2023

Mr. Robert P. Nelson, P.E.  
Nelson Engineering Associates Inc.  
P.O. Box 1053  
Gardendale, Alabama 35071

Dear Mr. Nelson:

Re: Parrish Water System Improvements - Walker County, DW-ARPA (SRF # FS010272-02)

This letter is in response to your letter requesting our review on the subject project. The Regional Planning Commission of Greater Birmingham (RPCGB) does not know of any reason to oppose, and therefore concurs with the project. Thank you for giving us the opportunity to comment.

Sincerely,

A handwritten signature in black ink that reads "Charles Ball".

Charles E. Ball, AICP  
Executive Director



# United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Alabama Ecological Services Field Office  
1208 B Main Street  
Daphne, AL 36526-4419  
Phone: (251) 441-5181 Fax: (251) 441-6222  
Email Address: [alabama@fws.gov](mailto:alabama@fws.gov)

In Reply Refer To:

October 21, 2023

Project code: 2024-0007517

Project Name: PARRISH WATER SYSTEM IMPROVEMENTS DW ARPASRF#FS010272-02

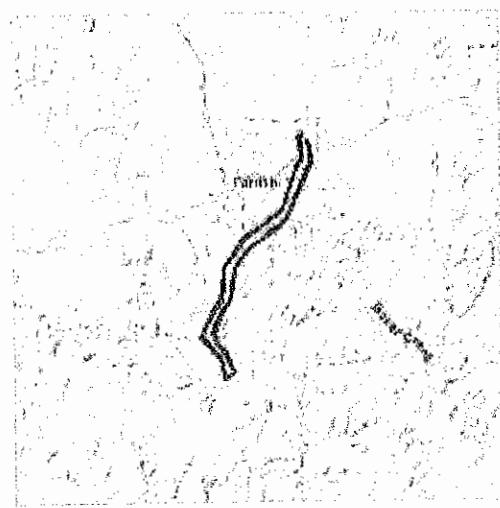
***Please provide this document to the Federal agency or their designee with your loan/grant application.***

Subject: Consistency letter for the project named 'PARRISH WATER SYSTEM IMPROVEMENTS DW ARPASRF#FS010272-02' for specified threatened and endangered species that may occur in your proposed project location, pursuant to the IPaC determination key titled 'Clearance to Proceed with Federally-Insured Loan and Grant Project Requests'.

To whom it may concern:

On October 21, 2023, Robert Nelson used the IPaC determination key 'Clearance to Proceed with Federally-Insured Loan and Grant Project Requests'; dated May 18, 2023, in the U.S. Fish and Wildlife Service's online IPaC tool to evaluate potential impacts to listed species from a project named 'PARRISH WATER SYSTEM IMPROVEMENTS DW ARPASRF#FS010272-02' in Walker County, Alabama (shown below):

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@33.70977415,-87.28597161192022,14z>



**PARRISH WATER SYSTEM IMPROVEMENTS DW ARPASRF#FS010272-02:**

Replace 28,650 LF small water line 6" along existing disturbed County Roads, existing lines are along edge of pavement or within disturbed shoulders, replace within same trench or along existing lines; relocate Hatt Hill Booster to Old Baltimore Rd within existing right of way and disturbed areas. No easements or land clearing required. Due to ARPA funding must move project forward as quickly as possible to meet deadlines

Based on your answers provided, the proposed project is unlikely to have any detrimental effects to federally-listed species or critical habitat. Therefore, per this guidance, Robert Nelson has determined that PARRISH WATER SYSTEM IMPROVEMENTS DW ARPASRF#FS010272-02 will have No Effect on the species listed below.

This letter serves as documentation of your consideration of endangered species, bald eagles, and migratory birds. No further coordination with the Service is necessary.

Please be advised that, if later modifications are made to the project that do not meet the criteria described above, if additional information involving potential effects to listed species becomes available, or if a new species is listed, reinitiation of consultation may be necessary.

**AMPHIBIANS**

- Black Warrior (=sipsey Fork) Waterdog *Necturus alabamensis* Endangered

**BIRDS**

- Whooping Crane *Grus americana* Experimental Population, Non-Essential

**FLOWERING PLANTS**

- Mohr's Barbara's Buttons *Marshallia mohrii* Threatened
- White Fringeless Orchid *Platanthera integrilabia* Threatened

## INSECTS

- Monarch Butterfly *Danaus plexippus* Candidate

## MAMMALS

- Indiana Bat *Myotis sodalis* Endangered
- Northern Long-eared Bat *Myotis septentrionalis* Endangered
- Tricolored Bat *Perimyotis subflavus* Proposed Endangered

## REPTILES

- Alligator Snapping Turtle *Macrochelys temminckii* Proposed Threatened
- Flattened Musk Turtle *Sternotherus depressus* Threatened

## ADDITIONAL CONSIDERATIONS FOR NON-FEDERALLY LISTED SPECIES

- **Bald Eagle Nest Issues.** If any of the above-referenced activities (rehabilitation, demolition, or rebuilding) are proposed to occur **within 660 feet** of an active or alternate bald eagle (*Haliaeetus leucocephalus*) nest during the nesting season (October 1 through May 15), we recommend the applicant or their designated agent coordinate with the agency responsible for managing wildlife in their state. For additional information, please visit the Service's regional web page: <https://www.fws.gov/service/3-200-71-eagle-take-associated-not-purpose-activity-incidental-take>.
- **Migratory Bird Issues.** If any native birds are using the structures for nesting then actions should be taken so as not to disturb the adults, nests, eggs, or chicks as this could lead to a potential violation of the Migratory Bird Treaty Act. If nests are present or any birds are using the structures regularly for roosting purposes, we recommend the applicant or their designated agent coordinate with the appropriate Service's Field Office and visit the Service's Migratory Bird Program website at <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds> for recommendations on how impacts can be avoided and minimized.

Robert Nelson answered the determination key questions for this project as follows:

1. Does the project intersect Monroe County, FL?

**Automatically answered**

**No**

2. Is the project exclusively a Federal loan transfer, where the original lending or mortgage institutions for existing project are no longer holding the loan and the property is being transferred via a federally-backed loan?

*No, this is not a Federal loan transfer as described above, or includes activities in addition to a Federal loan transfer.*

3. Does the project include a federally-insured loan or federal grant funding?

*Yes, the project includes a federally-insured loan or federal grant funding.*

4. Is the entire site currently developed/hard-surfaced (i.e., the site consists entirely of existing roads, sidewalks, buildings, driveways, etc., and does not contain any undeveloped and/or vegetated areas)?  
*No, the site contains some undeveloped and/or vegetated areas.*
5. Does the project site overlap designated or proposed critical habitat for any federally listed species?  
**Automatically answered**  
*No*
6. Will completion of this project require clearing of **undisturbed** habitat (e.g., native habitat, agricultural areas, pasture, etc.) beyond the original footprint of the existing project?  
*No, this project will **not** require clearing of any undisturbed habitat.*
7. Is the federally-insured loan or federal grant funding being used for demolition, rehabilitation, renovation, and/or rebuilding of one or more existing facilities (e.g., residential, commercial and industrial sites, or utilities)?  
*Yes, the project includes Federal funding for work on existing facilities.*
8. Will the project significantly alter the present capacity of an existing structure?  
*No, this project will not alter the present capacity of any existing structure.*
9. Does your project involve structures that are being used by any federally endangered or threatened species (e.g., roosting bonneted bats, denning indigo snakes, etc.) or are there known reports of species using the site?  
*No, the site and/or structure(s) are **not** being used by any federally listed species.*

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**Attachments:**

- Project questionnaire
- Standard manatee construction conditions
- Determination key description: Clearance to Proceed with Federally-Insured Loan and Grant Project Requests
- U.S. Fish & Wildlife Service contact list

## PROJECT INFORMATIONAL QUESTIONNAIRE

As part of completing the determination key, Robert Nelson provided the following information about their project:

1. Please describe the loan/grant program you are using

*ARPA DWSRF #FS010272-02*

2. Which Federal Agency is the lead agency providing the funding?

*U.S. Environmental Protection Agency (EPA)*

3. Which types of activities you will be conducting:

*Rehabilitation*

*Utilities*

4. Which types of structures this funding will address:

*Water Pipelines*

5. Please describe the activity you will be conducting:

*Replace old leaking water pipelines, relocate old water booster pump*

6. How many square feet of facilities will be affected by this project?

*174000*

7. Are there bald eagles within 660 feet of the site, or migratory birds or bats using structures on the site?

*None of the above*

## **DETERMINATION KEY DESCRIPTION: CLEARANCE TO PROCEED WITH FEDERALLY-INSURED LOAN AND GRANT PROJECT REQUESTS**

This key was last updated in IPaC on May 18, 2023. Keys are subject to periodic revision.

This determination key is for all Federally-insured loans, loan transfers, or grant requests for projects that may be completed without requiring additional clearing of undisturbed habitat beyond the original footprint of the existing project. For the purposes of this key, Federal loan transfers are those transfers where the original lending or mortgage institutions for existing projects are no longer holding the loans and the properties are being transferred via federally backed loans. Projects may include demolition, rehabilitation, renovations, and/or rebuilding of existing structures (e.g., commercial buildings, multi-family housing, single-family housing), and various utilities projects such as water and wastewater treatment facilities, sewer or power line repair, etc.

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The U.S. Fish and Wildlife Service is the lead Federal agency charged with the protection and conservation of Federal Trust Resources, such as threatened and endangered species and migratory birds, in accordance with section 7 of the Endangered Species Act of 1973, as amended (Act) (87 Stat. 884; 16 U.S.C. 1531 et seq.), the Bald and Golden Eagle Protection Act, (16 U.S.C. 668-668d) (Eagle Act), and the Migratory Bird Treaty Act (40 Stat. 755; 16 U.S.C. 701 et seq.).

Recently, many Federal agencies have activated programs that have resulted in an increased consumer demand to initiate projects through federally-backed loans and grants, all of which require those same Federal agencies to comply with Section 7 of the Act. Consequently, we have experienced an increase in the number of requests for review of these government-backed loan and grant projects. These include, but are not limited to:

1. U.S. Department of Housing and Urban Development's (HUD) Neighborhood Stabilization and Community Development Block Grant programs, which may be managed by Florida's Department of Economic Opportunity;
2. U.S. Department of Energy's (DOE) Energy Efficiency and Renewable Energy program;
3. U.S. Department of Agriculture's (USDA) Housing Assistance and Rural Development Loan and Grant Assistance programs;
4. U.S. Federal Aviation Administration (FAA) regulatory airport and runway modifications;
5. U.S. Federal Emergency Management Agency's (FEMA) Hazard Mitigation Assistance program; and

## 6. U.S. Environmental Protection Agency's (EPA) Clean Water State Revolving Fund.

In order to fulfill the Act's statutory obligations in a timely and consistent manner, and to assist Federal agencies, State and local governments, and consultants in addressing Section 7 and National Environmental Policy Act (NEPA) environmental impact review requirements, we provide the following guidance and clearance relative to the criteria stated below for Federally-insured loan and grant project requests.

This guidance is based on the signed letters:

U.S. Fish and Wildlife Service Clearance to Proceed with Federally-Insured Loan and Grant Project Requests in Florida.

U.S. Fish and Wildlife Service Clearance to Proceed with Federally-Insured Loan and Grant Project Requests in Alabama, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

## IPAC USER CONTACT INFORMATION

Agency: Alabama Department of Environmental Management  
Name: Robert Nelson  
Address: 2029 Albritton Road  
Address Line 2: Suite 105  
City: Gardendale  
State: AL  
Zip: 35071  
Email: nelsoneng@bellsouth.net  
Phone: 2056318398

## LEAD AGENCY CONTACT INFORMATION

Lead Agency: Environmental Protection Agency  
Name: Robert Nelson  
Email: nelsoneng@bellsouth.net  
Phone: 2056318398



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS, MOBILE DISTRICT  
600 VESTAVIA PARKWAY, SUITE 203  
VESTAVIA HILLS, AL 35216

May 14, 2024

North Branch  
Regulatory Division

SUBJECT: Department of the Army Pre-Application Consultation, File Number SAM-2024-00455-LET, Parrish Water Works and Sewer Board - water system improvements Walker County, Alabama

Parrish Water Works and Sewer Board, Inc.  
% Nelson Engineering Associates, Inc.  
Attention: Mr. Robert Nelson  
Post Office Box 1053  
Gardendale, Alabama 35071

Transmitted electronically to [nelsoneng@bellsouth.net](mailto:nelsoneng@bellsouth.net)

Dear Mr. Nelson:

This is in response to your letter on behalf of Parrish Water Works and Sewer Board dated October 4, 2023 and resubmitted with reduced project scope information on May 10, 2024, requesting Department of Army (DA), U.S. Army Corps of Engineers (USACE) review of proposed water system improvements throughout the Parrish Water System's existing service area. The water system improvements would include construction of a new booster station to replace the Hatt Hill Booster Station at a new location and replacement of approximately 28,500 linear feet of existing water lines. The work would occur at multiple locations throughout the Parrish Water Works Board's service area with the new Hatt Hill Booster Station construction located near latitude 33.7331 North, longitude -87.2671 West in Parrish, Walker County, Alabama. This project has been assigned file number **SAM-2024-00455-LET**, which should be referenced in all future correspondence regarding this project.

The U.S. Army Corps of Engineers (USACE) has regulatory responsibilities pursuant to Section 404 of the Clean Water Act (CWA)(33 U.S.C. 1344) and Section 10 of the Rivers and Harbors Act of 1899 (RHA) (33 U.S.C. 403). Section 404 of the CWA specifically addresses discharges of dredged and/or fill material into waters of the United States (U.S.), including wetlands, and requires that a Department of the Army (DA) permit must be obtained prior to conducting any work that would include a discharge of dredged and/or fill material into waters of the U.S. Section 10 of the RHA requires that a DA permit be obtained prior to conducting any work that would affect the navigable capacity of a waterway as a result of work occurring in, over, or under navigable waters of the U.S.; however, there are no Section 10 waters within the immediate project area.

Based on review of information contained in your submission, it appears some proposed water line installations will cross Section 404 tributaries to Bryants Creek, Indian Creek, and Lost Creek; however, the water line installations have been planned to utilize directional bore methods to pass beneath the waterways to avoid ground disturbance that would cause impacts resulting in regulated discharges of fill material in stream features and wetlands that may exist along the alignment. Directional boring beneath jurisdictional waters are activities typically not regulated under Section 404 of the Clean Water Act as these installation methods would not involve the discharge of dredged and/or fill material into waters of the U.S. Likewise, construction entirely within dry land areas, such as the proposed 0.05-acre new Hatt Hill Booster Station replacement, is not regulated under Section 404 as no discharge of dredged and/or fill material into jurisdictional waters is required.

Based on our findings regarding the Parrish Water and Sewer Board's proposed water system improvement activities, as specified herein, a DA permit pursuant to Section 404 of the Clean Water Act would not be required, at this time, to implement the project as proposed.

This letter also contains an approved dry land jurisdictional determination (JD) for the approximately 0.05-acre new booster station construction location as discussed above. If you object to this determination for the booster station site, you may request an administrative appeal under USACE Regulations at 33 CFR Part 331. Attached you will find a Notification of Appeal Process (NAP) fact sheet and Request for Appeal (RFA) form. If you request to appeal the dry land determination you must submit a completed RFA form to the USACE, South Atlantic Division Office at the following address:

Regulatory Review Officer  
Attention: Ms. Krista Sabin  
CESAD-PDO  
60 Forsyth Street Southwest, Floor M9  
Atlanta, Georgia 30303-8803  
Telephone: (904) 314-9631, Fax: (404) 562-5138  
Krista.D.Sabin@usace.army.mil

In order for an RFA to be accepted by the USACE, the USACE must determine that it is complete, that it meets the criteria for appeal under 33 CFR Part 331.5, and that it has been received by the Division Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by July 15, 2024. It is not necessary to submit an RFA form to the Division Office if you do not object to the dry land determination for the new Hatt Hill Booster Station site in this letter.

The approved JD for the Hatt Hill Booster Station relocation site is based on current policy and regulation and is valid for a period of five (5) years from the date of this letter. If by the end of the five-year period the proposed work has not been implemented and

this JD has not been specifically revalidated by the USACE, it shall automatically expire.

As project implementation planning progresses, should any wetland and/or stream resources be identified within the project alignment that would require impacts by open trench pipeline installation methods, Nationwide Permit 58 (NWP 58) for Utility Line Activities for Water and Other Substances may be applicable to the proposed work. A copy of NWP 58 is enclosed for reference as further planning for project implementation is undertaken.

The statements contained herein do not convey any property rights or any exclusive privileges, and do not authorize any injury to property or obviate the requirements to obtain other local, State, or Federal approvals required by law for the activities discussed above. If the scope of work or project locations change, you are urged to contact this office for a verification of this determination.

We appreciate your cooperation with the USACE Regulatory Program. Please contact me at (205) 213-9623 or at [leslie.e.turney@usace.army.mil](mailto:leslie.e.turney@usace.army.mil) if you have any questions concerning this matter. For additional information about our Regulatory Program, you may visit our web site at <http://www.sam.usace.army.mil/Missions/Regulatory.aspx>. Also, please take a moment to complete our customer satisfaction survey located under the Menu header on the right side of our webpage. Your responses are appreciated and will allow us to improve our services.

Sincerely,

**Leslie E.**

**Turney**

Leslie E. Turney  
Chief, North Branch  
Regulatory Division

Digitally signed by  
Leslie E. Turney  
Date: 2024.05.14  
02:56:06 -05'00'

Enclosures

## NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **Community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Salvage Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used for any other purpose associated with floodplain management. Accordingly, flood elevation data presented in the FIS report should be used in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map are only landward of 0.0' NAVD 88. Users of this FIRM should be aware that coastal flood elevations are not provided in the Summary of Salvage Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Salvage Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 16. Horizontal datum was NAD 83, GRS80 spheroid. Differences in spheroid projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov/> or contact the National Geodetic Survey at the following address:

NGS Information Services  
NOAA, NNGS12  
National Geodetic Survey  
SSRS #9000  
1315 East-West Highway  
Silver Spring, Maryland 20910-3282  
(301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey Commission. This information was photogrammetrically compiled at a scale of 1" = 100', 1" = 200', or 1" = 400' from aerial photography dated 2011.

Based on updated topographic information, this map reflects more detailed and up-to-date stream channel configurations and floodplain delineations than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables may reflect stream channel distances that differ from what is shown on the map. Also, the road to floodplain relationships for unreviewed streams may differ from what is shown on previous maps.

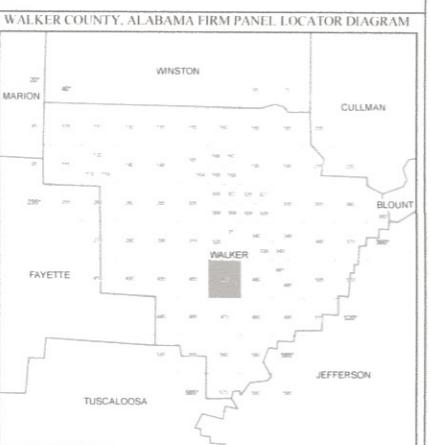
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels, community map repository addresses, and a listing of communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

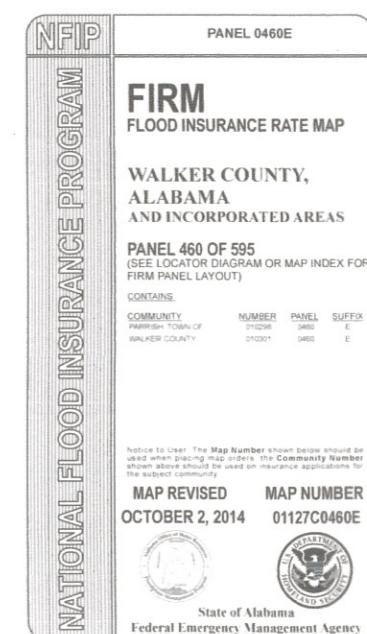
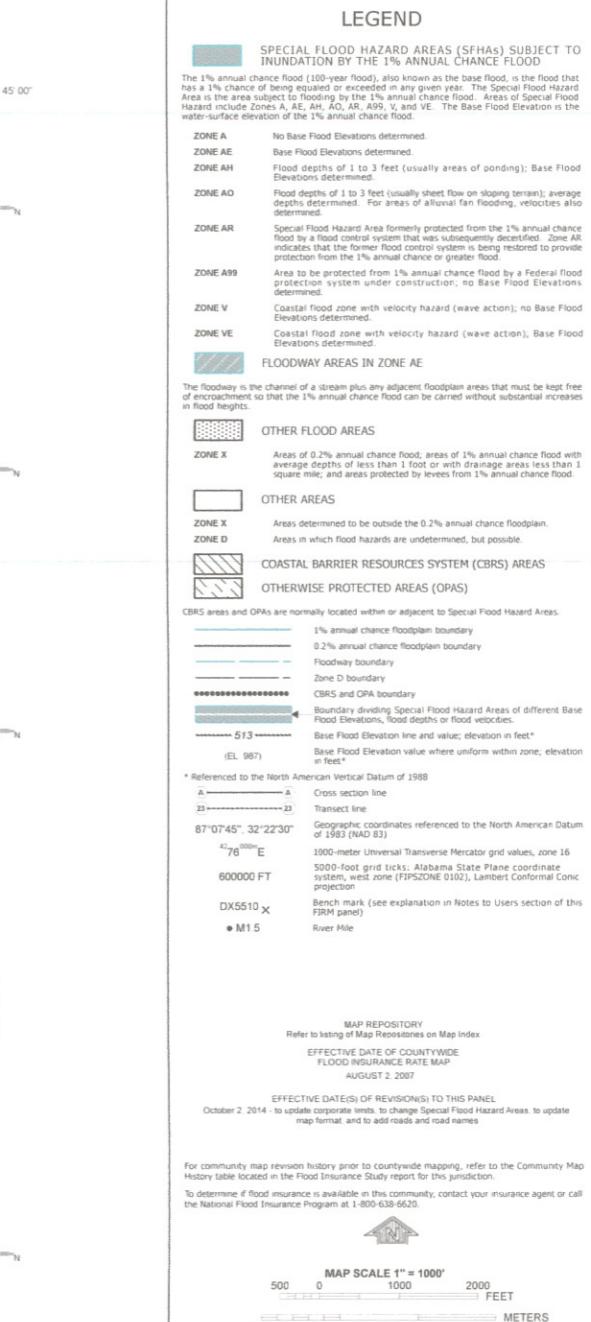
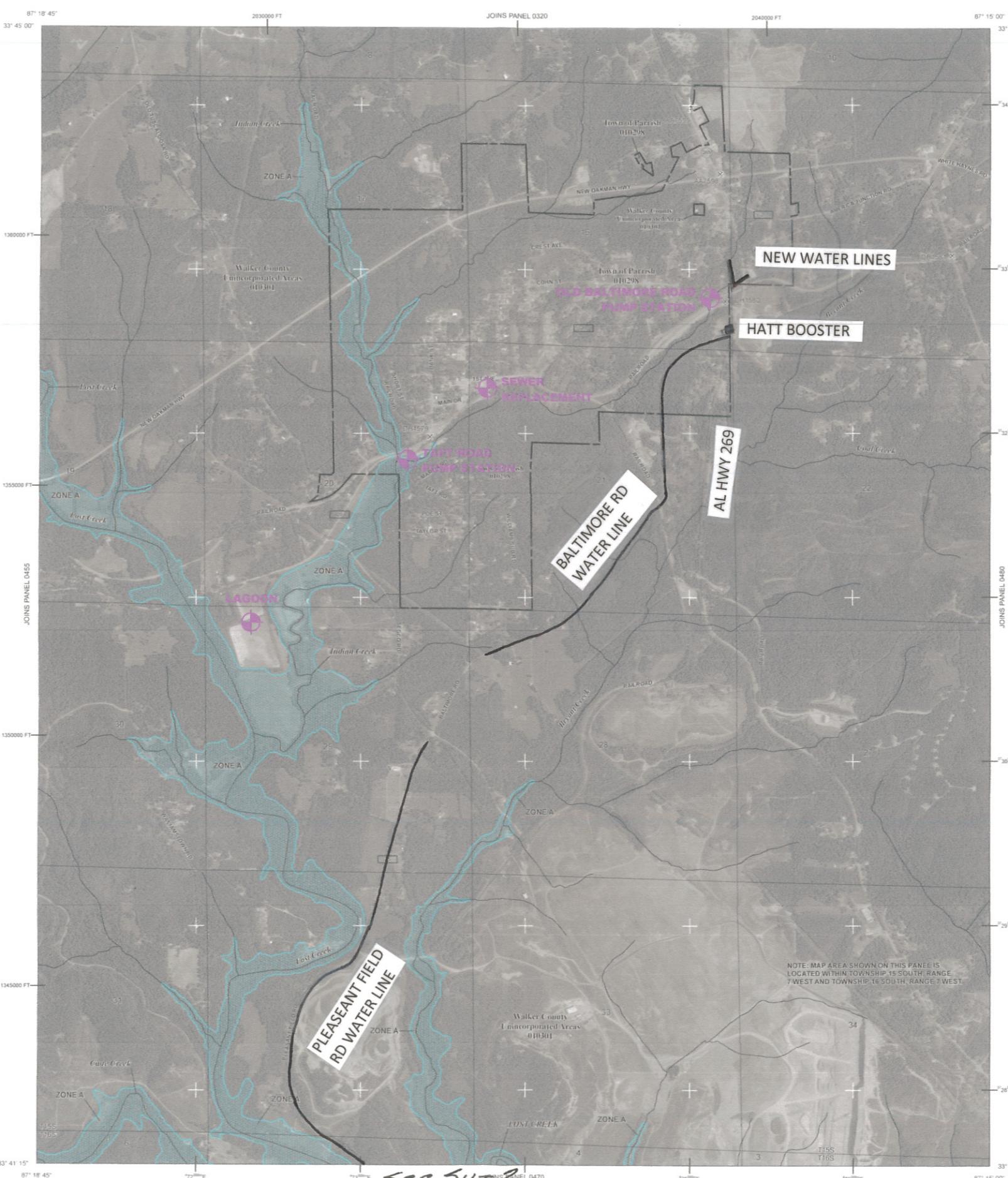
For information on available products associated with this FIRM visit the **FEMA Map Service Center** website at <http://msc.fema.gov>. Available products may include previous issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have questions about this map, how to order products or the National Flood Insurance Program in general, please call the **FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627)** or visit the **FEMA** website at <http://www.fema.gov>.

The "profile baselines" represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the "profile baseline" in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.



In cooperation with the Federal Emergency Management Agency (FEMA) and local communities in Alabama, this Flood Insurance Rate Map was developed by the Alabama Office of Water Resources in a digital statewide format to assist communities in their efforts to minimize the loss of property and life through effectively managing development in flood-prone areas. The State of Alabama has implemented a long-term approach to floodplain management to reduce impacts of flooding. This is determined by the State's commitment to map floodplain areas at the local level. As part of this effort, the Alabama Office of Water Resources is working closely with FEMA as a Cooperating Technical Partner to produce and maintain this digital FIRM.



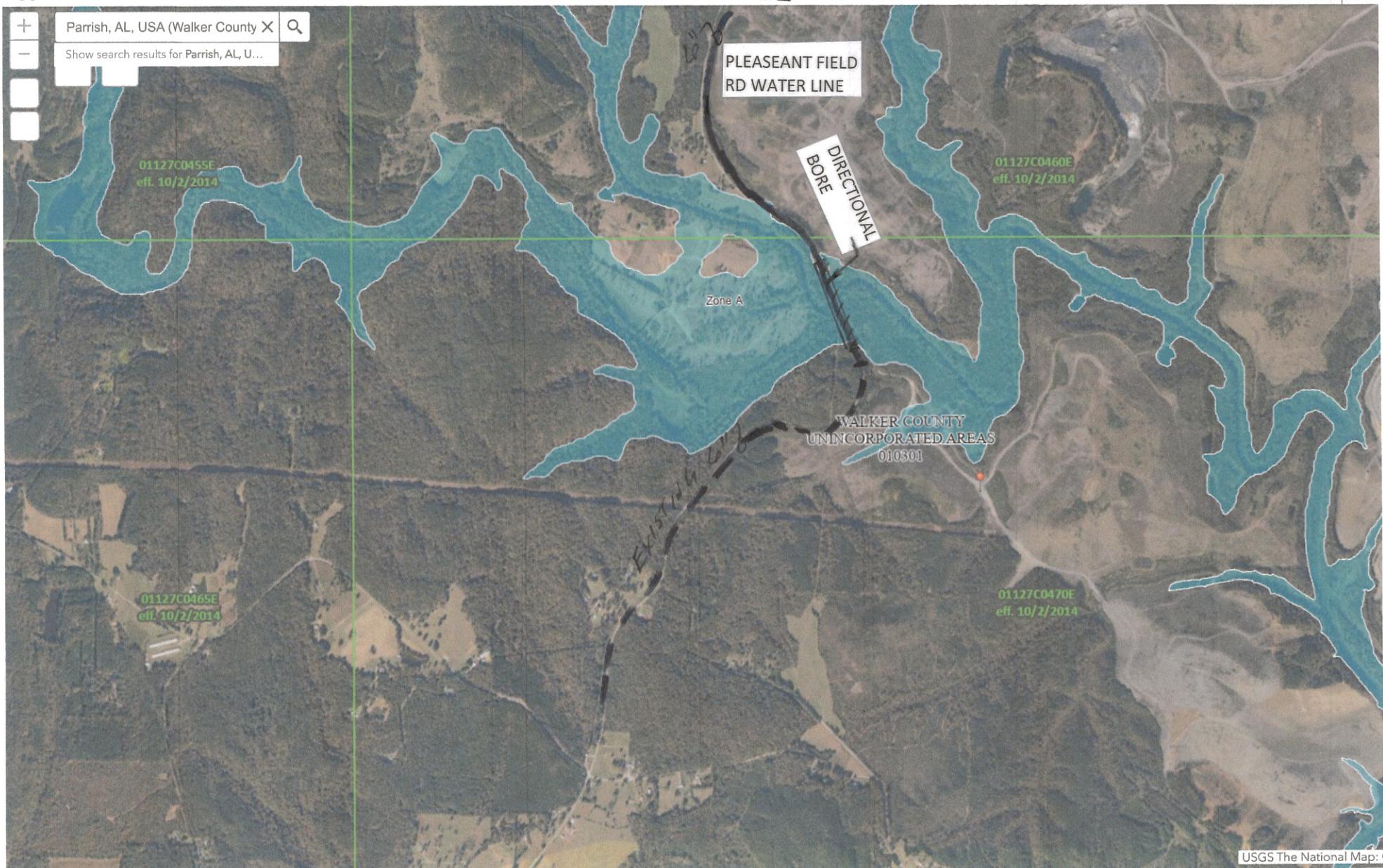
**PARRISH WATER IMPROVEMENTS**  
**DWSRFARPA #FS010272-02**

**FIG NO. 6.3A**



1125'

SEE SHT 1 FIRM



USGS The National Map

SHT 2 OF 2  
FIRM

0.3mi

87.293 33.683 Degrees



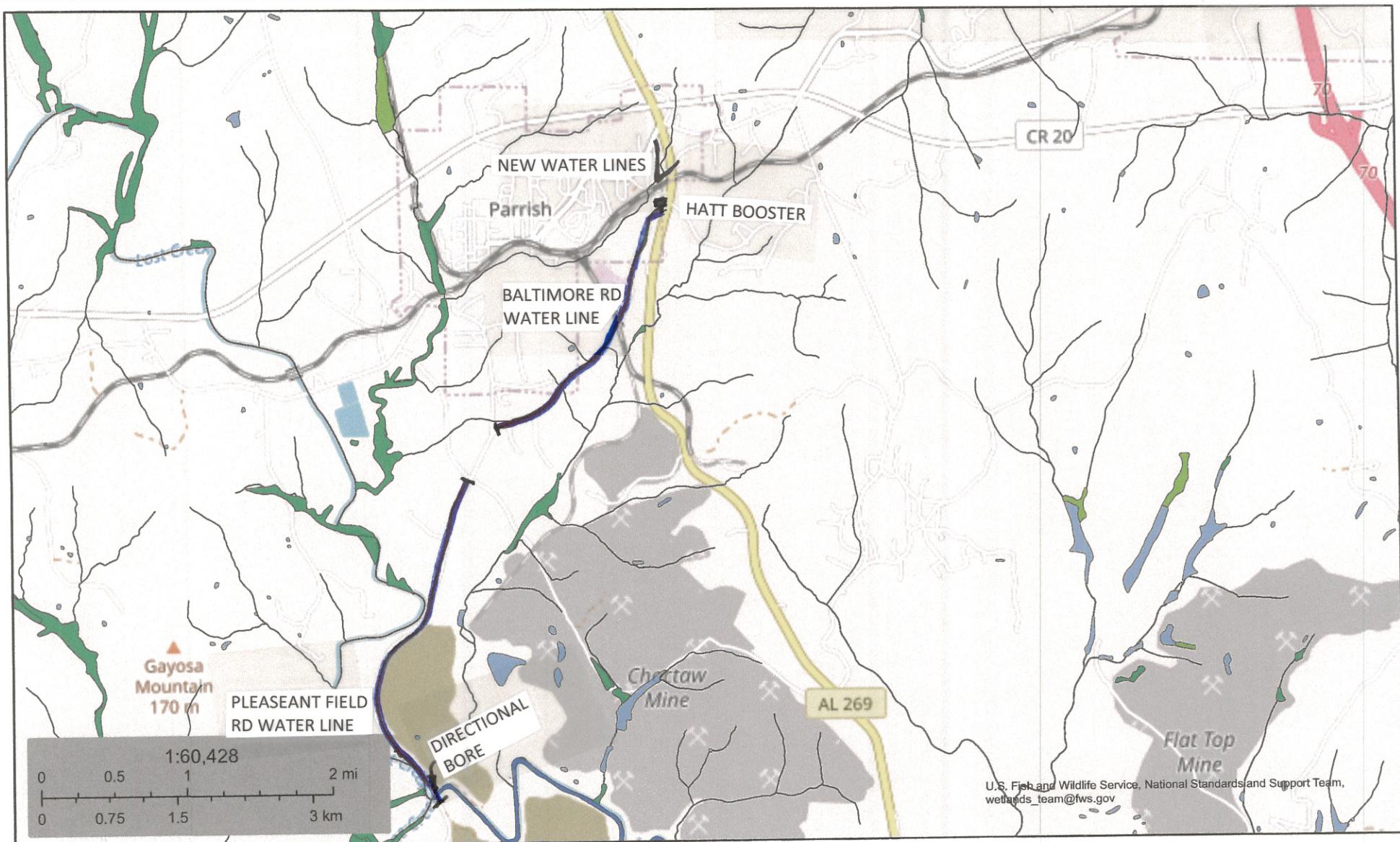
U.S. Fish and Wildlife Service

## National Wetlands Inventory

PARRISH WATER IMPROVEMENTS

DWSRFARPA #FS010272-02

FIG NO. 6.4a



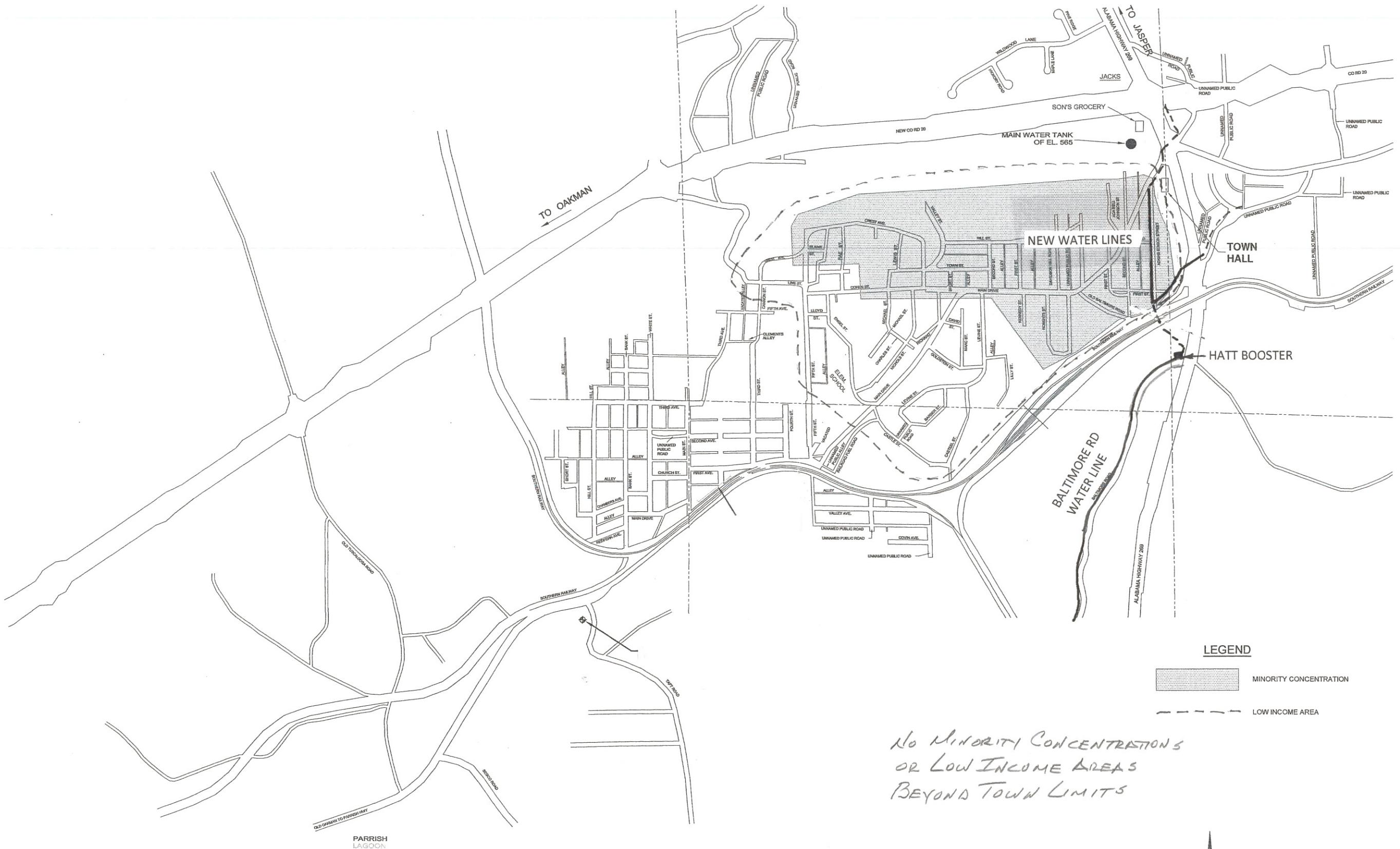
October 11, 2023

### Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



PARRISH WATER IMPROVEMENTS  
DWSRFARPA #FS010272-02

0 500 1000 1500

OWNER: PARRISH WATERWORKS  
AND SEWER BOARD  
DRAWING TITLE: ENVIRONMENTAL JUSTICE MAP

SHEET \_\_\_\_ OF \_\_\_\_  
DRAWING NO. 6.5

DRAWN BY: SWC  
CHECKED BY: RPN  
APPROVED BY: RPN  
SCALE: 1" = 1000'  
DATE: OCTOBER, 2023

REVISIONS  
NO. DATE INITIAL  
\_\_\_\_\_

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