

Ecology

Useful Links

Ecology Resource Survey Guidebook

Threatened and Endangered Species and Critical Habitats Under NOAA Fisheries

Jurisdiction: <https://www.fisheries.noaa.gov/region/southeast>

Information for Planning and Consultation (IPaC): <https://ecos.fws.gov/ipac/>

NCDWQ Identification Methods for the Origins of Intermittent and Perennial Streams:

<https://deq.nc.gov/about/divisions/water-resources/water-quality-permitting/401-buffer-permitting-branch/application>

Georgia's Natural, Archaeological, and Historic Resources GIS (GNAHRGIS):

<https://www.gnahrgis.org/gnahrgis/index.do>

Low Impact Bridge Program Manual:

<http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>

Water Resource Delineation Guidebook

EPD Field Guide for Determining the Presence of State Waters That Require a Buffer:

<https://epd.georgia.gov/watershed-protection-branch/erosion-and-sedimentation>

EPD Field Guide for Identifying and Permitting Coastal Marshlands:

<https://epd.georgia.gov/watershed-protection-branch/erosion-and-sedimentation>

EPD Trout Stream Designations by County: [https://epd.georgia.gov/forms-and-](https://epd.georgia.gov/forms-and-permits/watershed-protection-branch-forms-permits/erosion-and-sedimentation-forms)

[permits/watershed-protection-branch-forms-permits/erosion-and-sedimentation-forms](https://epd.georgia.gov/forms-and-permits/watershed-protection-branch-forms-permits/erosion-and-sedimentation-forms)

USACE Regional Supplements to Corps Delineation Manual:

<https://www.sas.usace.army.mil/Missions/Regulatory/Jurisdictional-Determination/Wetland-Delineations/>

USACE Regional Wetland Plant List: [http://wetland-](http://wetland-plants.usace.army.mil/nwpl_static/v33/home/home.html)

[plants.usace.army.mil/nwpl_static/v33/home/home.html](http://wetland-plants.usace.army.mil/nwpl_static/v33/home/home.html)

Regulatory Guidance Letter (RGL) 05-05: [https://www.usace.army.mil/Missions/Civil-](https://www.usace.army.mil/Missions/Civil-Works/Regulatory-Program-and-Permits/)

[Works/Regulatory-Program-and-Permits/](https://www.usace.army.mil/Missions/Civil-Works/Regulatory-Program-and-Permits/)

NRCS Field Indicators of Hydric Soils in the US:

<https://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/use/hydric/>

Protected Species Guidebook

NOAA Fisheries Section 7 Checklist and Section 7 Checklist Procedures:

<https://www.fisheries.noaa.gov/region/southeast>

Endangered Species Act Section 7: Interagency Consultation in the Southeast United States: <https://www.fisheries.noaa.gov/region/southeast>

NOAA Fisheries Programmatic BE on the Effects of Transportation Activities and Projects Regularly Undertaken in NC, SC, and GA: _

https://www.environment.fhwa.dot.gov/env_initiatives/programmatic_agreements.aspx

USFWS Endangered Species Act Document Library: <https://www.fws.gov/endangered/esa-library/index.html>

USFWS and NMFS Habitat Conservation Planning and Incidental Take Permit Processing Handbooks: <https://www.fws.gov/endangered/what-we-do/hcp-overview.html>

Effects Determination Guidance for Endangered & Threatened Species (EDGES):

<https://www.sas.usace.army.mil/Regulatory/Permitting/EDGES/>

User's Guide for the Range-wide Programmatic Consultation for Indiana Bat and NLEB:

<https://www.fws.gov/midwest/endangered/section7/fhwa/index.html>

Programmatic Biological Assessment for Transportation Projects in the Range of the Indiana Bat and NLEB: <https://www.fws.gov/midwest/endangered/section7/fhwa/index.html>

Programmatic Biological Opinion for Transportation Projects in the Range of the Indiana Bat and NLEB:

https://www.environment.fhwa.dot.gov/env_initiatives/programmatic_agreements.aspx

GADNR Excel spreadsheet for electronic submission of rare taxa element occurrence data:

<https://georgiawildlife.com/conservation/species-of-concern>

Miscellaneous Resources Guidebook

Essential Fish Habitat (EFH) Habitat Designations:

<https://safmc.net/essential-fish-habitat/>

Programmatic EFH Assessment for Transportation Activities and Projects Regularly Undertaken in NC, SC, and GA:

https://www.environment.fhwa.dot.gov/env_initiatives/programmatic_agreements.aspx

Marine Mammals Incidental Harassment Authorization:

<https://www.fisheries.noaa.gov/protected-species-permits>,
<https://www.fws.gov/ecological-services/>

EFH Mapper: <https://www.fisheries.noaa.gov/resources>

USFWS Southeast Region's Eagle Technical Assistance:

<https://www.fws.gov/southeast/our-services/eagle-technical-assistance/>

USFWS National Bald Eagle Management Guidelines:

<https://www.fws.gov/northeast/ecologicalservices/eaglenationalguide.html>

NWI Wetlands and Deepwater Map Code Diagram:

<https://www.fws.gov/wetlands/index.html>

USACE Section 10 waters in Georgia List:

<https://www.sas.usace.army.mil/Missions/Regulatory/Regulatory-Program/>

EDDMapS: <https://www.eddmaps.org/>

GDOT Supplemental Specifications Book: <http://www.dot.ga.gov/PS/Business/Source>

Buffer Variance Guidebook

EPD Buffer Variance application forms: <https://epd.georgia.gov/forms-and-permits/watershed-protection-branch-forms-permits/erosion-and-sedimentation-forms>

EPD Streambank and Shoreline Stabilization Guidance: <https://epd.georgia.gov/watershed-protection-branch/erosion-and-sedimentation>

EPD Buffer Mitigation Guidance: <https://epd.georgia.gov/watershed-protection-branch/erosion-and-sedimentation>

EPD 303(d) List & TMDL Implementation Plans: <https://epd.georgia.gov/watershed-protection-branch/total-maximum-daily-loadings/final-total-maximum-daily-loadings-tmdls>

NPDES General Permits: <https://epd.georgia.gov/forms-and-permits/watershed-protection-branch-forms-permits/storm-water-forms/npdes-construction>

Manual for Erosion and Sedimentation Control in Georgia:

<https://gaswcc.georgia.gov/documents-list> GDOT Standard Specifications Construction of Transportation Systems: <http://www.dot.ga.gov/PS/Business/Source>

Georgia MS4 Areas: <http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>

Waters Impact Assessment Guidebook

USACE Standard Operating Procedure for Compensatory Mitigation:

<https://www.sas.usace.army.mil/Missions/Regulatory/Mitigation/>

USGS Streamflow Statistics and Spatial Analysis Tools for Water-Resources Applications

(StreamStats): <https://www.usgs.gov/mission-areas/water-resources/science/essential-tools-and-products>

[Regional Permit Guidebook](#)

USACE Savannah District Regional Permits 30-35:

<https://www.sas.usace.army.mil/Missions/Regulatory/Permitting/General-Permits/Regional-General-Permits/>

USACE Real Estate Outgrant: <http://www.dot.ga.gov/PS/DesignManuals>

Nationwide Permit Guidebook

USACE 2017 Nationwide Permits & General Conditions:

<https://www.usace.army.mil/Missions/Civil-Works/Regulatory-Program-and-Permits/Nationwide-Permits/>

USACE Savannah District Nationwide Permit Regional Conditions:

<https://www.sas.usace.army.mil/Missions/Regulatory/Permitting/General-Permits/Nationwide-Permits/>

RGL 05-07: <https://www.usace.army.mil/Missions/Civil-Works/Regulatory-Program-and-Permits/>

Inland Testing Manual: <https://www.epa.gov/cwa-404>

Individual Permit Guidebook

USACE Savannah District Regulatory Guidelines to Evaluate Proposed Mitigation Bank Credit Purchases in the State of Georgia:

<https://www.sas.usace.army.mil/Missions/Regulatory/Mitigation.aspx>

CESAS Form 19 (Joint Application Form) & Instructions:

<https://www.sas.usace.army.mil/Missions/Regulatory/Permitting/Individual-Permits/Standard-Permit/>

Chapter 5 of the PDP (PAR): <http://www.dot.ga.gov/PS/DesignManuals/DesignGuides>

USACE 404(b)(1) Guidelines:

<https://www.sas.usace.army.mil/Missions/Regulatory/Permitting/Individual-Permits/Standard-Permit/>

Miscellaneous Permits Guidebook

TVA Section 26a Checklist (): <https://www.tva.gov/Environment/Shoreline-Construction/Application-Instructions>

Guidebook Revision History

Revision Description	Relevant Sections	Revision Date
Initial Publication	All	5/22/2019
Revision Table Added	Last Page	9/21/2020