

Appendix A

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1	Section	2014 Plan Longterm Goal	2019 Plan Outcome
2	Regulatory Nonpoint Source	Develop a web based database for stream buffer variance applications by FY2018.	Modified to focus on availability of information, included as "Long Term Goal 1" in the Urban - Land Disturbing Activities section, which reads, "Improve communication with stakeholders and the public about stream buffer protections and variances."
3	Regulatory Nonpoint Source	Conduct training about new permits, rules and lawmaking. When requested by permittees.	Removed - this was associated with stormwater NPDES permitting. Only the nonpoint source management program items have long term goals.
4	Regulatory Nonpoint Source	Develop the tools needed to support electronic entry of Notices of Intent (NOIs) and annual reporting data by both facilities covered under the IGP and MS4s by FY2020.	Removed - this was associated with stormwater NPDES permitting. Only the nonpoint source management program items have long term goals.
5	Silviculture	Update and revise the Master Timber Harvester (MTH) Program to reflect results from the most current Silvicultural BMP Implementation and Compliance Survey in 2016, 2018, and 2020.	Updated and included as "Long Term Goal 1."
6	Silviculture	Revise and update the "Georgia's Best Management Practices for Forestry Manual" to reflect changes in logging practices and BMPs by 2020	Updated and included as "Long Term Goal 2."
7	Silviculture	Conduct biennial Silvicultural BMP Implementation and Compliance Survey in 2015, 2017, and 2019.	Updated and included as "Long Term Goal 3."
8	Silviculture	Expand the GFC NPS program with additional funding opportunities and partnerships by 2020.	Removed - the program will focus on continuing to improve existing programs.
9	Silviculture	Conduct Statewide BMP assurance monitoring of active forestry operations in Biota (sediment) impaired TMDL watersheds annually.	Included as "Long Term Goal 4." Modified to reflect statewide implementation of BMP assurance monitoring, without focusing on specific watersheds. Analysis of BMP assurance monitoring will be done by GAEPD based on reports submitted by GFC.
10	Silviculture	Prepare the Silvicultural portion of the biennial report, Water Quality in Georgia, as required by Sections 303(d), 305(b), and 319(a) of the CWA.	Included as "Long Term Goal 5."
11	Silviculture	Provide education and technical assistance to forest landowners regarding involvement in the State Wildlife Action Plan (SWAP).	Removed - no longer identified as a relevant goal.
12	Silviculture	Achieve a minimum of 95% compliance of all recommended BMPs for silviculture Statewide by 2020.	Modified to 90% compliance, included as "Long Term Goal 6."
13	Agriculture	Improve communication and coordination on NPS pollution issues among Georgia's agricultural community by 2018.	Included as "Long Term Goal 1." CAFO Compliance Assistance has been added as an action under this goal.
14	Agriculture	Evaluate NPS pollution reduction efforts and activities by 2018.	Moved - the general concept is covered in the Assessment Section.
15	Agriculture	Facilitate activities to reduce NPS pollution by 2016.	Removed - 2016 has passed, and this goal is not specific and measurable.
16	Agriculture	Target conservation and BMP implementation to address high profile concerns by 2016.	Split into "Long Term Goal 4" and " Long Term Goal 5" to focus on sediment and nutrients. "Long Term Goal 4" includes a new recommendation about encouraging NMPs for agricultural water permittees.
17	Agriculture		The 2019 Update included a new long term goal, "Long Term Goal 3: Identify new tools and strategies for reducing fecal coliform, sediment, and nutrient loads from agriculture nonpoint sources."
18	Agriculture		The 2019 Update included a new long term goal, "Long Term Goal 6: Continue to support the NRCS National Water Quality Initiative (NWQI) to implement conservation practices in priority watersheds."
19	Wetlands	Enhance 401 Water Quality Certification reviews in 24-county coastal district by 2016.	Included as "Long Term Goal 2."
20	Wetlands	Enhancing 401 Water Quality Certification inspection efforts by 2020.	Removed - inspections are beyond the scope of current Wetlands Unit staff.
21	Wetlands	Restore degraded wetlands by 2020.	Removed - this goal is not specific and measurable.

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22	Wetlands		The 2019 Update included a new long term goal, "Long Term Goal 1: Increase understanding of wetland restoration and mitigation to ensure effective practices."
23	Urban-Stormwater	Research: Remain informed on the rapidly growing body of research on the performance and effectiveness of GI/LID practices, as well as collect performance data from Georgia projects in a range a locations and applications in order to ensure the highest levels of effectiveness, ongoing.	Updated and included as "Long Term Goal 1."
24	Urban-Stormwater	Outreach: Ensure that potential implementers of GI/LID practices are aware of and have access to the necessary information to successfully install, maintain and monitor their projects, ongoing.	Updated and included as "Long Term Goal 2."
25	Urban-Stormwater	Tools: Improve the tools available to potential implementers of GI/LID practices to improve the performance and effectiveness of their projects.	Mostly removed due to tasks being accomplished. Some components have been modified to focus on implementation of demonstration GI/LID projects, as described in "Long Term Goal 3."
26	Urban-Stormwater	Regulatory: Facilitate cooperation with existing and developing regulatory programs to enhance the implementation and effectiveness of GI/LID practices.	Removed - GSMM updates and permitting updates have been accomplished.
27	Urban-Stormwater	Economics/Funding: Document and disseminate the costs and benefits of GI/LID practices, and promote resources that are available for their implementation.	Updated and included as "Long Term Goal 4."
28	Urban-Stormwater	Partnerships: Leverage existing programs and stakeholders that contribute to the effectiveness of GI/LID practices in order to make best use of resources and gain more widespread acceptance of GI/LID.	Removed - the GSMM has been updated already. Other short term goals related to GI/LID communication are covered in "Long Term Goal 2" and "Long Term Goal 3."
29	Urban-Dirt Roads	Recognizing the impact sediment has on Georgia's waterways and aquatic habitat, increase Georgia's involvement in reducing impacts from dirt roads.	Modified, now Long Term Goal 1 reads, "Reduce sediment loads from dirt roads to Georgia's waterways" with specific implementation activities identified under this goal.
30	Coastal	Expand ambient water quality monitoring at nodes where upland rivers and streams enter the 11 coastal counties, by 2020.	Updated and included as "Long Term Goal 1."
31	Coastal	Minimize runoff of storm water from developed and cultivated land, by 2018.	Removed - some coastal activities are handled through statewide programs. Minimizing stormwater runoff from developed and cultivated land is covered in the Urban and Agriculture chapters.
32	Coastal	Reduce runoff from farm fields to reduce contamination of surface waters from fecal coliform bacteria, sediment, and nutrients, by 2018.	Removed - this goal is handled in the Agriculture chapter.
33	Coastal	Explore methods of increasing the number of miles of BMP implementation on rural roads.	Removed - this goal is handled in the Urban-Dirt Roads section.
34	Coastal	Through existing monitoring programs, promote expansion of stream buffers in agricultural and silviculture areas beyond minimum State requirements.	Removed - the focus shifted to buffers on coastal marshlands.
35	Coastal	Manage coastal nonpoint source pollution through the continued development and implementation of the Coastal Nonpoint Source Plan, ongoing.	Updated to reflect acceptance of the Coastal Nonpoint Source Program and included as "Long Term Goal 4."
36	Coastal		The 2019 Update included a new long term goal, "Long Term Goal 2: The Georgia Erosion and Sedimentation Act was amended in 2015 to include a 25-foot buffer on coastal marshland as measured from the coastal-marshland upland interface, with several specific exceptions. GAEPD and GADNR-CRD will continue to implement the marshland buffer protections, and identify areas for education, outreach, and improved coordination."
37	Coastal		The 2019 Update included a new long term goal, "Long Term Goal 3: Explore innovative techniques to better address nonpoint source pollution in the unique coastal ecosystem. In particular, projects that implement BMPs listed in the GSMM and CSS and track their performance in the unique coastal ecosystem are of particular importance."

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38	Surface Mining	Encourage developing industry-wide standards for best management practices.	Updated to focus on erosion and sedimentation and included as "Long Term Goal 1: Reduce sediment loads coming from mining activities."
39	Water Quality Monitoring	Expand water quality datasets through cost-effective coordination and collection strategies.	Updated and included as "Long Term Goal 1."
40	Water Quality Monitoring	Target monitoring to address priority issues and watersheds.	Modified and included as "Long Term Goal 2: Utilize new data to update prioritization models to ensure that priority issues and watersheds are identified and addressed."
41	Water Quality Monitoring	Improve data accessibility to support NPS activities and inform citizens.	Included as "Long Term Goal 3."
42	Water Quality Monitoring	Improve use of data for additional monitoring and standard development and to inform regulatory requirements, policies, funding decisions, planning, and other activities.	Split into "Long Term Goal 2" and the new Assessment chapter.
43	319 Grants	Where appropriate, evaluate existing State programs to determine if they align with priorities by 2016.	Removed - 2016 has passed, and this goal is not specific and measurable.
44	319 Grants	Develop more formalized tools to select priority watershed and other project areas by 2017.	Removed - 2017 has passed, and this goal now belongs in the Assessment Chapter.
45	319 Grants	Develop a ranking procedure that qualifies proposals for Section 319 grant funds as acceptable projects to implement alternatives to watershed-based plans.	Removed - GAEPD has a good procedure for accepting projects with alternatives to a WMP.
46	319 Grants	As staffing allows, explore opportunities to develop a "watershed plan builder" for Georgia communities that do not have the resources to do technical background work. Although much of Georgia is experiencing economic and population growth, many other communities are not and may lack the technical and professional resources to develop watershed plans.	Removed - GAEPD has a good procedure for accepting projects with alternatives to a WMP and does substantial outreach with project partners to remove barriers to application.
47	319 Grants	Updating and developing GAEPD's internal Section 319 Grant Unit's standard operating procedures to reflect streamlining of procedures, new priorities, new scoring methodology, watershed prioritization, and other new methods of application review identified in this report. As GAEPD refocuses its 319 Program on those watersheds that are most impaired, vulnerable to NPS pollution, or are most likely to be de-listed.	Modified and included as "Long Term Goal 1: Keep GAEPD's competitive 319(h) grant process current to reflect new information gathered from BMP implementation, watershed monitoring, and watershed prioritization efforts."
48	319 Grants	Develop projects and create new funding packages by leveraging other sources of funding to implement projects that address multiple elements in addition to NPS pollution	Removed - GAEPD has implemented procedures for promoting leveraging of other sources of funding.
49	319 Grants	Carry out activities that assess impacts of implementation and other NPS management and related projects, by 2020.	Moved - the general concept is covered in the Assessment chapter.
50	319 Grants	Continue restoring impaired waters and/or protecting healthy waters through the implementation of Georgia's NPS Management Program	Modified and included as "Long Term Goal 2: Continue restoring impaired waters and protecting healthy waters through supporting BMP implementation in priority, impaired, and healthy watersheds."
51	319 Grants	Support those efforts of partnering agencies and organizations that work towards meeting the goals and objectives of Georgia's NPS Management Program, as needed.	Removed - this goal is not specific and measurable.
52	319 Grants	Improve non-regulatory monitoring of water quality, and find a way to incorporate water quality data from programs such as Adopt-A-Stream into decision making as resources allow: The GAEPD collects water quality data in a variety of ways, including data provided by Adopt A Stream volunteers and other 319-funded projects.	Removed - this goal now sits in the Monitoring Data chapter.
53	319 Grants	Streamlining of GAEPD's 319 grant application review process as staffing allows.	Modified and included as "Long Term Goal 3: Reduce barriers to 319(h) grant application submission, and implement strategies to increase the number of complete submissions."
54	319 Grants	Implement Georgia's Statewide Nonpoint Source Management Plan.	Removed - GAEPD is expected to implement the Plan by USEPA and held accountable through Annual Reports.

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55	319 Grants	Effectively manage Section 319(h) grant funds.	Removed - GAEPD has other processes to ensure effective 319(h) grant management. To the extent that this refers to efficacy, see the Assessment chapter.
56	Outreach and Education	To facilitate and encourage the submission of State approved data following the Sampling Quality Assurance Plan as opportunities arise.	Moved - the general concept in the Monitoring Data chapter.
57	Outreach and Education	Offer additional large scale monitoring events, such as our partnership with Paddle Georgia, as resources permit.	Included as "Long Term Goal 1."
58	Outreach and Education	Further develop the Rivers Alive Program to better encompass watershed protection activities as staff and funding permit.	Included as "Long Term Goal 2."
59	Outreach and Education	Realize stewardship potentials as the opportunities arise.	Removed - this goal is not specific and measurable.
60	Outreach and Education	Reach a wider audience as staff and time allow.	Removed - this goal is not specific and measurable.
61	Statewide Water Planning	Determine how many of the proposed nonpoint source pollution management practices identified in regional water plans have been implemented.	Modified, included as "Long Term Goal 1: Track the implementation and effect of nonpoint source BMPs identified in the Regional Water Plans."
62	Statewide Water Planning	In those planning regions where a significant number of BMPs have not been implemented, identify reasons why.	Combined with previous goal into "Long Term Goal 1."
63	Statewide Water Planning	In those planning regions where a significant number of BMPs have been implemented, evaluate surface water quality in those watersheds identified as having impairments related to nonpoint source pollution, as resources allow.	Combined with previous goal into "Long Term Goal 1."
64	Statewide Water Planning	Investigate opportunities for local or regional funding of BMP implementation, included but not limited to stormwater utilities, development utilities, TADs.	Removed - Understanding of patterns in implementation and barriers to implementation is a prerequisite to identifying other potential sources of funding.
65	Statewide Water Planning		The 2019 Update included a new long term goal, "Long Term Goal 2: Encourage Seed Grant applications and see an increase in the number of applications for seed grants from qualifying organizations within each Regional Water Planning Council."
66	Regional Planning	As resources are available, identify which water-related Regionally Important Resources (RIRs) identified in Regional Plans have experienced impairment due to NPS pollution, or may be at the greatest risk of impairment due to expected development. Focus shall be placed on the NPS prioritized watersheds.	Regional Planning section removed and combined with Statewide Water Planning to focus on Regional Water Plan implementation.
67	Regional Planning	If resources are available, link aspects of Regional Resource Plans relating to water to Regional Water Plans.	Regional Planning section removed and combined with Statewide Water Planning to focus on Regional Water Plan implementation.
68	Regional Planning	Encourage incorporation of water quality data into Regional Resource Plans and local land use plans.	Regional Planning section removed and combined with Statewide Water Planning to focus on Regional Water Plan implementation.
69	Regional Planning	Identify which water-related RIRs will be most impacted by development, as resource allow.	Regional Planning section removed and combined with Statewide Water Planning to focus on Regional Water Plan implementation.
70	Regional Planning	Encourage local land use plans to specifically address impaired streams.	Regional Planning section removed and combined with Statewide Water Planning to focus on Regional Water Plan implementation.
71	Land Acquisition and Green Space	Focus land conservation efforts towards those watersheds experiencing the greatest impact from nonpoint source pollution, or that are most likely to be impacted in the future.	Updated and included as "Long Term Goal 1."
72	Land Acquisition and Green Space	Create a network of linked landscape-scale green spaces Statewide.	Included as "Long Term Goal 2."
73	Land Acquisition and Green Space	Increase total public and private funds used for land acquisition.	Removed - the focus will be on providing input, as appropriate, on the new grant program established through the Georgia Outdoor Stewardship Act.
74	OSDS (Septic)	Promote the use of the Well and Septic Tank Referencing and Online Mapping program (such as WelStrom) to non-participating health departments.	Included as "Long Term Goal 1."

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75	OSDS (Septic)	Integrate WelSTROM into the Garrison database, as resources allow.	Removed - Database communication is a highly specific task, not a long term goal.
76	OSDS (Septic)	As resources allow, continue or initiate studies of septic density, water quality, and watershed hydrology in order to achieve a more comprehensive knowledge of the impacts of OSDS, if any, on water quality.	Modified to focus on studies of OSDS impacts on water quality and included as "Long Term Goal 2."
77	OSDS (Septic)	As resources allow, continue to fund research into the impacts of OSDS in the parts of the 11 coastal counties of Georgia most likely to experience rapid population growth. Determine a method of developing a watershed management plan to incorporate septic installation, repair, and maintenance and the impacts of OSDS on NPS Impaired Waters	Combined with previous goal into "Long Term Goal 2."
78	OSDS (Septic)	Working with the Georgia Department of Public Health and the Georgia Onsite Wastewater Association, assist CBHs and local governments in development of OSDS post-installation management strategies that would include funding mechanisms for OSDS maintenance, inspection, and repair.	Removed - identifying local government funding mechanisms for maintenance and OSDS is not a current priority. Understanding the effect of OSDS on water quality is the first step.
79	OSDS (Septic)		The 2019 Update included a new long term goal, "Long Term Goal 3: Support septic tank BMPs in watersheds with documented negative effects of septic tanks on water quality."
80	New Tools	As resources allow, identify and adopt between 15 and 30 standards and management policies for alternative resources, innovative technologies or advances in BMPs to protect, improve or restore water quality.	Removed - various technical manuals, such as the manuals used for agriculture, silviculture, stormwater, and erosion and sedimentation control BMPs, have processes in place for updates and alternatives. GAEPD will follow those processes.
81	New Tools	Develop a ranking procedure to assess the feasibility of implementing Acceptable Alternative Projects to protect, improve or restore water quality, as resources allow.	Removed - various technical manuals, such as the manuals used for agriculture, silviculture, stormwater, and erosion and sedimentation control BMPs, have processes in place for updates and alternatives. GAEPD will follow those processes. Any new or alternative BMPs can be considered for implementation, pending review.
82	New Tools	Compose guidance and conduct training in how to develop a proposal for Acceptable Alternative Projects, as resources allow.	Removed - various technical manuals, such as the manuals used for agriculture, silviculture, stormwater, and erosion and sedimentation control BMPs, have processes in place for updates and alternatives. GAEPD will follow those processes. Any new or alternative BMPs can be considered for implementation, pending review.
83	Healthy Watersheds Initiative	Initiate and fund Healthy Watershed Initiative Program within the Georgia GAEPD Nonpoint Source Program as funding allows.	The Healthy Watershed Initiative section has been removed and combined with the 319 Grants chapter. HWI continues to be a priority.
84	Healthy Watersheds Initiative	Once the Watershed Prioritization and Evaluation Project is successfully created for the State, create a framework to identify and document potential priority areas for HWI conservation and restoration programs, as resource allow.	The Healthy Watershed Initiative section has been removed and combined with the 319 Grants chapter. HWI continues to be a priority.
85	Healthy Watersheds Initiative	As staffing allows, implement Healthy Watershed Initiative Plans or other conservation plans.	The Healthy Watershed Initiative section has been removed and combined with the 319 Grants chapter. HWI continues to be a priority.
86	Healthy Watersheds Initiative	Assist in revision of the Georgia State Wildlife Action Plan as time permits.	The Healthy Watershed Initiative section has been removed and combined with the 319 Grants chapter. HWI continues to be a priority.
87	Safe Dams	Initiate nonpoint source cross-training of Safe Dam personnel to identify and report nonpoint source pollution violations including violations to the Erosion and Sedimentation regulations and stream buffers.	Updated and included as "Long Term Goal 1."
88	Safe Dams		The 2019 Update included a new long term goal, "Long Term Goal 2: Provide various training opportunities for dam owners about dam maintenance and requirements."

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89	Safe Dams		The 2019 Update included a new long term goal, "Long Term Goal 3: Protect water resources by ensuring that appropriate stream buffer protections, including obtaining appropriate variances, are taken by dam owners during dam rehabilitation projects."
90	Safe Dams		The 2019 Update included a new long term goal, "Long Term Goal 4: Ensure that any dam removal projects are conducted to protect downstream water quality."
91	Groundwater	Assess groundwater contamination at State-permitted LASs and and AFOs, as staff time permits.	Modified and included with CAFO compliance assistance in the Agriculture chapter and the LAS guideline update in the Groundwater chapter.
92	Groundwater	Assist the WPB and District offices in evaluating compliance, as staff time permits.	Removed - dditional information was provided about the current contract with GDA in the Agriculture chapter.
93	Groundwater	Create technical guidance on the proper assessment and necessary corrective actions for LASs and AFOs.	Modified and included with CAFO compliance assistance in the Agriculture chapter and the LAS guideline update in the Groundwater chapter.
94	Groundwater	Perform technical-reviews of monitoring-data submittals from Georgia GAEPD selected permitted facilities as staff time permits.	Removed to reflect Wastewater Regulatory Program focus on permitting and compliance.
95	Groundwater	Complete technical-evaluations of NMP implementation at AFOs as requested.	Modified - see the nutrient management goals in the Agriculture chapter.
96	Groundwater		The 2019 Update included a new long term goal, "Long Term Goal 1: Maintain up-to-date design guidelines for the application of treated wastewater to Land Disposal/Treatment Systems."
97	Floodplain	Continue administering and signing up new communities under NFIP.	Modified and included as "Long Term Goal 1: Promote participation in voluntary flood management programs, such as the NFIP and CRS."
98	Floodplain	Conduct outreach meetings to Elected Government Officials to promote joining the NFIP and CRS.	Modified and included as "Long Term Goal 1: Promote participation in voluntary flood management programs, such as the NFIP and CRS."
99	Floodplain	Conduct Preliminary "Open House" Meetings with information tables to promote the NFIP and CRS directly to general public.	Removed - this goal was nearly a duplicate of the previous goal.
100	Floodplain	Promote the GEMA Severe Repetitive Loss Pilot Program to NFIP communities.	Removed - this goal is no longer relevant.
101	Floodplain		The 2019 Update included a new long term goal, "Long Term Goal 2: Conduct reviews of Flood Damage Prevention Ordinances."
102	Floodplain		The 2019 Update included a new long term goal, "Long Term Goal 3: Provide community assistance in implementing floodplain management through the Community Assistance Program."
103	Watershed Prioritization Tool	GAEPD will continue to identify priority watersheds using the process identified in the Nonpoint Source Prioritization process. GAEPD will add to the list of priority watershed by modeling and identifying priority watershed in Georgia.	Removed - the Watershed Prioritization Tool is no longer new and does not need a separate section. Updating priority watersheds is referenced throughout the 20119 Update.
104	Tracking	Encourage use of tracking tables as appropriate.	Removed - the tracking tables will be combined into one table and updated to match the 2019 Update.
105	Tracking	Make these tables available on the internet, as resources allow.	Modified and included as "Long Term Goal 1: Make Plan implementation progress easily available to stakeholders and the public to increase accountability and program transparency."
106	Assessment		New chapter, which adds the following long term goal, " Long Term Goal 1: Develop a model for connecting all relevant components of Nonpoint Source Management Program activities, as identified in the Statewide Nonpoint Source Management Plan, to water quality outcomes. "