

Accountability Report: Fiscal Year 2018-2019

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South Carolina Department of Natural Resources (SCDNR)

Stakeholder(s):

Alvin A. Taylor :
Director

Norman F. Pulliam :
DNR Board Chairman

Vision

We accomplish our mission based upon an agenda that encompasses our values

Mission

To serve as the principal advocate for, and steward of, South Carolina's natural resources.

Values

Teamwork: The Agency will accomplish its mission and achieve its vision through goal-focused, cooperative efforts that rely on effective internal and external communication and partnering

Integrity: The Agency will lead by example, ensuring that its standards are high, and its actions are fair, accountable, and above reproach

Dedication: The Agency will maintain a steadfast commitment to the state's natural resources and its mission

Excellence: The Agency will always do its best, and continuously strive to improve its processes, activities, policies, operations, and products

Service: The Agency will provide quality service that meets the needs and exceeds the expectations of the public and its employees

1. Programs

Develop and Implement programs that study, manage and conserve the State's Land and Water Resources through planning, research, technical assistance, public education and the development of a comprehensive natural resources database.

1.1. Information

Provide reliable, science-based information to decision makers and the public on Water Resource and Aquatic Plant Management; Earth Science, Climate, and Flood Mitigation research and activities; Land, Soil and River Conservation; as well as review of proposed environmental impacts as published in the regulatory arena.

Stakeholder(s):

Decision Makers

The Public

Performance Indicators

1.1.1 Plans

Description	Type	Start Date	End Date	Number
Use hydrology information to develop regional water plans to ensure surface and groundwater of suitable quality is available for all users.	Target	2018-07-01	2019-06-30	1
Base	Actual			8
TBD	Actual	2018-07-01	2019-06-30	8

Time Applicable: Ongoing Data Source and Availability: Data available through SCDNR-Hydrology Program. Calculation Method: Total number of regional water plans developed. Meaningful Use of Measure: Provide guidance and data to State government and the general public for the beneficial use, conservation and management of South Carolina's water resources.

1.1.2 Maps

Description	Type	Start Date	End Date	Number
Provide new, reliable 1:24,000-scale map information of the Piedmont and Coastal Plain regions and make information available to the public in open-file report form.	Target	2018-07-01	2019-06-30	4
Base	Actual		2018-07-01	567
TBD	Actual	2018-07-01	2019-06-30	567

Data Source and Availability: Data available through SCDNR-LWC GIS Program. Calculation Method: Total number of new interactive maps. Meaningful Use of Measure: Information is provided to the public and decision makers in a robust, accessible, and informative way.

1.1.3 Maps

Description	Type	Start Date	End Date	Number
Increase use of digitally interactive maps to provide additional dissemination in support of natural resources information.	Target	2018-07-01	2019-06-30	2
Base	Actual		2018-07-01	6

Description	Type	Start Date	End Date	Number
TBD	Actual	2018-07-01	2019-06-30	6

Data Source and Availability: Data available through SCDNR-LWC GIS Program. Calculation Method: Total number of new interactive maps. Meaningful Use of Measure: Information is provided to the public and decision makers in a robust, accessible, and informative way.

1.1.4 Information Responses

Description	Type	Start Date	End Date	Number
Provide weather and climate information: 270 climate requests, 30 forecast requests, 52 weekly reports, 23 special weather summaries, 35 presentations, 17,500 subscriptions to severe weather alert email.	Target	2018-07-01	2019-06-30	
210 climate requests, 30 forecast requests, 52 weekly reports, 12 special weather summaries, 31 presentations, 13, 482 subscriptions to severe weather alert email.	Actual		2018-07-01	
TBD	Actual	2018-07-01	2019-06-30	

Data Source and Availability: Data available through SCDNR-Climatology Program. Calculation Method: Track number and type of reports, summaries and presentations, number of subscriptions to email list serve, number of weather, climate, forecast requests. Meaningful Use of Measure: Serve as the focal point for weather and climate information for the State.

1.1.5 Outreach Contacts

Description	Type	Start Date	End Date	Number
Outreach to communities that participate in the Federal Emergency Management Agency, Flood Mitigation Assistance, Cooperating Technical Partners, Community Assistance Program-State Support Services Element Programs.	Target	2018-07-01	2019-06-30	300
Base	Actual		2018-07-01	236
TBD	Actual	2018-07-01	2019-06-30	236

Data Source and Availability: Scope of Works and number of assistance request filled. Calculation Method: Number of request responded to and number of meetings, trainings and workshops. Meaningful Use of Measure: Adequate enforcement of the National Flood Insurance Program and use of the Flood Mitigation Assistance Grant program aids in making sure we are protecting lives and property from flooding.

1.1.6 Acres & Effectiveness

Description	Type	Start Date	End Date	Number & Percentage
Control > 80% of nuisance, invasive species that impact public waters across the state. 3000 acres (>90% efficacy)	Target	2018-07-01	2019-06-30	
Base: 3,656 acres (>90% efficacy)	Actual		2019-07-01	3,656
TBD	Actual	2018-07-01	2019-06-30	3,656

Data Source and Availability: Data available through Aquatic Nuisance Species Program. Calculation Method: Actual acres treated in observed waters. Meaningful Use of Measure: Promotes recreational water uses and increases potential clean drinking water intakes.

1.1.7 Plans Serviced

Description	Type	Start Date	End Date	Number
Increase Conservation plans serviced by 50	Target	2018-07-01	2019-06-30	1,073
Base	Actual		2018-07-01	873
TBD	Actual	2018-07-01	2019-06-30	873

Data Source and Availability: Reports from SCDNR-Conservation Districts field staff. Calculation Method: 8% increase from previous year. Meaningful Use of Measure: DNR is charged with providing technical assistance for conservation plans.

1.1.8 Projects, Products & Participants

Description	Type	Start Date	End Date
Protect and conserve rivers by conducting the State Scenic Rivers Program and providing information and technical assistance to conservation partners and the public statewide. 4 active river projects, 5 information products, and 4,500 Beach/River Sweep participants per year. (Note: this is not an optimal target and is limited because of staff shortage)	Target	2018-07-01	2019-06-30
Base: 4 active river projects, 5 information products, and 3,000 Beach/River Sweep participants per year. (Note: this is not an optimal target and is limited because of staff shortage)	Actual		2018-07-01
TBD	Actual	2018-07-01	2019-06-30

Data Source and Availability: SCDNR staff. BSRS annual reports available at SCDNR and SC Sea Grant websites. Calculation Method: Sums of projects, products, and participants. Meaningful Use of Measure: Indicates level of program function, partnerships, and public assistance for river conservation.

1.2. Cultural & Other Resources

Heritage Trust Cultural Resources/Habitat Protection monitors and protects cultural and other resources throughout the state on Heritage Trust properties, and provides culturally related recreational/educational opportunities.

Performance Indicators

Description	Type	Start Date	End Date
Conduct archaeological investigation on Heritage Trust Preserves (HTP) and Wild Life Management Areas (WMA). Investigation may be implemented for management purposes (MP), compliance with state or federal regulations (CO) (quantity varies depending on submissions), scientific research (SR) and or public outreach (PO) (MEASURED BY ACREAGE, PROJECTS AND/OR BY NUMBER OF PROPERTIES). Target: 3HTP (planned Congaree Creek HP January 2019, Fort Frederick HP February 2019, Hitchcock Woods HP May 2019), 100% CO (Continuing Hail Gold Mine mitigation Tract Wateree River HP/WMA), 1 SR/PO (Pockoy Island Shell Ring Investigation December 2018).	Target	2018-07-01	2019-06-30
Base: 3 SR/MP HTP, 100% CO (Boating Infrastructure Grant, & 50 acres of Hail Gold Mine mitigation Tract Wateree River HP/WMA), 1 SR/PO.	Actual		2018-07-01
TBD	Actual	2018-07-01	2019-06-30

2. Conservation & Protection

Conserve and protect the state's natural resources for social, economic, recreational, and commercial benefit while providing maximum human utilization through: (1) the development of public support through outreach, education, and safety programs; (2) the preservation of the peace and protection of human lives and property; and (3) the enforcement of the state's criminal laws through the detection, apprehension, and prosecution of persons who violate those laws.

2.1. Safety & Enforcement

Provide for a safe hunting, fishing, and boating environment through outreach, protection of lives and property, and enforcement of the state's criminal codes.

Performance Indicators

2.1.1 Presentations

Description	Type	Start Date	End Date	Number
Provide outreach programs and public presentations promoting safe hunting, fishing, and boating. Target: 3,834 Presentations	Target			3,834
Base: 3,651 Presentations	Actual		2018-07-01	3,651
TBD	Actual	2018-07-01	2019-06-30	3,651

Data Source and Availability: All hours recorded within Daily Activity books for Law Enforcement Officers. Calculation Method: All hours recorded within Daily Activity books for Law Enforcement Officers. Meaningful Use of Measure: Citizens are provided information on public opportunities, safety, and ethical hunting, fishing, and boating activities provided by the department through direct contact with Law Enforcement Division staff.

2.1.2 Investigation Time

Description	Type	Start Date	End Date	Hours
Reduce investigation hours related to hunting and boating accidents and fatalities. Target: 2,956 Hrs	Target	2018-07-01	2019-06-30	2,956
Base: 3,285 Hrs	Actual		2018-07-01	3,285
TBD	Actual	2018-07-01	2019-06-30	3,285

Data Source and Availability: All hours recorded within daily activity books for Law Enforcement Officers. Calculation Method: All hours recorded within daily activity books for Law Enforcement Officers. Meaningful Use of Measure: Citizens are provided a safer environment through investigation and reduction of boating and hunting accidents and fatalities achieved through education and law enforcement activities.

2.1.3 Officers

Description	Type	Start Date	End Date	Number
Increase sworn law enforcement officer staffing to allow for proactive enforcement of the criminal codes and regulations related to hunting, fishing, boating, and general criminal enforcement throughout the state Target: 278 Sworn Officers	Target	2018-07-01	2019-06-30	278
Base: 253 Sworn Officers	Actual		2018-07-01	253
TBD	Actual	2018-07-01	2019-06-30	253

Data Source and Availability: Total number of sworn officers employed as of July 1 annually. Calculation Method: Current sworn officer numbers multiplied by 10%. Meaningful Use of Measure: To determine increases in sworn officer staffing to provide for a safe hunting, fishing, and boating environment, to protect the lives and property, and enforce the criminal codes for SC.

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3. Safety, Integrity & Security

Maintaining Safety, Integrity and Security

3.1. Marine Species

Conduct research on Marine Species

Performance Indicators

Description	Type	Number	Start Date	End Date	Grants
Number of Research Grants Awarded to Marine Division Target: 60	Target		2018-07-01	2019-06-30	60
Base: 52	Actual			2018-07-01	52
TBD	Actual		2018-07-01	2019-06-30	52

Data Source and Availability: Recorded Monthly by MRRI Director's office. Calculation Method: Sum of monthly awards. Meaningful Use of Measure: support for staff to conduct research necessary to inform management on status of marine resources.

Description	Type	Start Date	End Date
Number of Man Days Sampling Marine Fauna Target: 3900	Target	2018-07-01	2019-06-30
Base: 3,383	Actual		2018-07-01
TBD	Actual	2018-07-01	2019-06-30

: Data Source and Availability: Recorded monthly and reported to MRRI Director. Calculation Method: Sum of monthly reports. Meaningful Use of Measure: man-days in the field necessary to monitor recreationally and commercially important marine species.

3.1.3 Nests

Description	Type	Start Date	End Date	Number
Number of Loggerhead sea turtle nest on SC Beaches (with ultimate goal being delisting the species from the Endangered species list by achieving a SE regional level of 30,000 nest) Target: 1136	Target			1,136
Base: 1,906	Actual			1,906
TBD	Actual	2018-07-01	2019-06-30	1,906

Data Source and Availability: Recorded Monthly by Sea Turtle program supervisor. Calculation Method: Sum of monthly reports from coastal island turtle monitoring teams. Meaningful Use of Measure: measures progress toward recovery of the loggerhead sea turtle; values represent 10-year running average of index beaches; target set to 10-year low.

3.2. Management

Manage the Harvest of Marine Resources

Performance Indicators

3.2.1 Permits Issued

Description	Type	Start Date	End Date	Number
Number of commercial marine permits issued Target: 1500	Target	2018-07-01	2019-06-30	1,500
	Actual		2018-07-01	
TBD	Actual	2018-07-01	2019-06-30	

Data Source and Availability: Recorded Monthly by OFM Permit Coordinator. Calculation Method: Sum of monthly reports of Permit Office. Meaningful Use of Measure: measures output of the commercial permitting office.

3.2.2 Reports Processed

Description	Type	Start Date	End Date	Percentage
Percentage of Marine Fisheries Harvest Reports Processed within 90 days of end of Month. Target: 100%	Target	2018-07-01	2019-06-30	100
Base: 100%	Actual		2018-07-01	100
TBD	Actual	2018-07-01	2019-06-30	100

Data Source and Availability: Computed by OFM Permit Coordinator. Calculation Method: (Annual sum of Monthly number of reports processed within 90 days/ annual total number of reports received) X 100. Meaningful Use of Measure: measures efficiency in processing of marine fishery harvest reports.

3.3. Fisheries

Enhance Marine Fisheries Stocks

Performance Indicators

3.3.1 Fish Stocked

Description	Type	Start Date	End Date	Number
Number of Marine Game Fish Stocked in Coastal Waters Target: 1,500,00	Target	2018-07-01	2019-06-30	1,500,000
Base: 1,707,205	Actual		2018-07-01	1,707,205
TBD	Actual	2018-07-01	2019-06-30	1,707,205

Data Source and Availability: Recorded by MRRRI staff project Reports for Various Species. Calculation Method: Sum of fished stock. Meaningful Use of Measure: number of fish stocked for research as well as to increase fishing opportunities for anglers.

3.3.2 Marine Habitat

Description	Type	Start Date	End Date	Cubic Feet
Cubic Feet of Marine Habitat Created Annually on Marine Artificial Reefs Target: 100,000	Target			100,000
Base: 300,000	Actual		2018-07-01	300,000

Description	Type	Start Date	End Date	Cubic Feet
TBD	Actual	2018-07-01	2019-06-30	300,000

Data Source and Availability: Recorded in OFM Annual report of Artificial Reef Activities Calculation Method: Cubic feet of each deployments summed annually. Meaningful Use of Measure: quantifies annual effort to increase fishing access through the Marine Artificial Reef Program.

3.4. Education

Educate the general public to assist in protecting and sustaining marine resources through knowledge and personal actions.

Performance Indicators

3.4.1 Vendors

Description	Type	Start Date	End Date	Number
Number of coastal vendors who receive MRD resource related literature Target: 110	Target	2018-07-01	2019-06-30	110
Base: 115	Actual		2018-07-01	115
TBD	Actual	2018-07-01	2019-06-30	115

Data Source and Availability: Recorded by Coastal Reserves and Outreach Office. Calculation Method: Sum of monthly totals. Meaningful Use of Measure: measures coastal distribution of marine stewardship materials to brick-and-mortar vendors.

3.4.2 Stories

Description	Type	Start Date	End Date	Number
Number of Print, Digital, and Broadcast Media Stories that Reference Division Programs Target: 250	Target	2018-07-01	2019-06-30	250
Base: 310	Actual		2018-07-01	310
TBD	Actual	2018-07-01	2019-06-30	310

Data Source and Availability: Tallied by the media specialist of the Coastal Reserves and Outreach Office. Calculation Method: Sum of media stories submitted annually. Meaningful Use of Measure: indicates penetration of marine stewardship messages in print, digital and broadcast media.

3.5. Research, Monitoring, Stewardship & Outreach

Provide operational support for MRD research, monitoring, stewardship, and outreach efforts

Performance Indicators

3.5.1 Certification Score

Description	Type	Start Date	End Date	Percentage
Dept. of Admin. Maintenance Facility Certification Program Overall Score Target: 90%	Target	2018-07-01	2019-06-30	90
Base: 99%	Actual		2018-07-01	99

Description	Type	Start Date	End Date	Percentage
	Actual	2018-07-01	2019-06-30	99

Data Source and Availability: Reported to DNR by Dept. of Administration Calculation Method: Annual assessment. Meaningful Use of Measure: Measure of efficiency and effectiveness of MRD Vehicle Maintenance Program; measure evaluates Program in purchasing, inventory control, recordkeeping, preventative maintenance, safety and cost-effectiveness of operations.

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4. Wildlife & Habitats

Monitor and protect wildlife species and inland aquatic species and their habitats throughout the state and provide recreational hunting and fishing activities to the public.

4.1. Conservation

Conserve freshwater fish and wildlife species in South Carolina

Performance Indicators

4.1.1 Species

Description	Type	Start Date	End Date	Number
Species identified, sufficient funding obtained and field work conducted to report on required information Target: 40	Target	2018-07-01	2019-06-30	40
Base: 40	Actual		2018-07-01	40
	Actual	2018-07-01	2019-06-30	40

Data Source and Availability: Staff monthly reports. Calculation Method: Number of active research projects. Meaningful Use of Measure: Information obtained will assist conservation entities and others with better knowledge of species and management.

4.1.2 Acres

Description	Type	Start Date	End Date	Number
Acres of habitats owned by DNR and managed to promote species diversity and richness. This includes, but is not limited to activities such as acres planted, burned, roads mowed and maintained and wetlands enhanced. Target: 280,000	Target	2018-07-01	2019-06-30	280,000
Base: 275,001	Actual		2018-07-01	275,001
TBD	Actual	2018-07-01	2019-06-30	275,001

Data Source and Availability: Staff monthly reports. Calculation Method: Number of DNR-owned acres of managed habitat. Meaningful Use of Measure: An increased amount of land area will provide better habitat and result in improved wildlife and fish populations.

4.1.3 Species

Description	Type	Start Date	End Date	Number
At-risk, threatened and endangered species protected, monitored and managed following state and/or federal law. Target: 78	Target	2018-07-01	2019-06-30	78
Base: 78	Actual		2018-07-01	
TBD	Actual	2018-07-01	2019-06-30	

Data Source and Availability: Staff monthly reports. Calculation Method: Number protected, monitored and managed. Meaningful Use of Measure: Activities for nongame species will prevent populations from decreasing and enhance populations of threatened, endangered or at-risk species.

4.1.4 Constituents

Description	Type	Start Date	End Date	Number
Number of constituents who attended organized public presentations and workshops to enhance awareness and conservation of natural resources Target: 10,000/200	Target	2018-07-01	2019-06-30	10,000
Base: 12,202/177	Actual		2018-07-01	12,202
TBD	Actual	2018-07-01	2019-06-30	12,202

Data Source and Availability: Staff monthly reports. Calculation Method: Number who attended organized workshops and presentations. Meaningful Use of Measure: Outreach efforts result in better species and habitat management on private lands.

4.1.5 Contacts

Description	Type	Start Date	End Date	Number
Number of contacts for technical guidance including, but not limited to nuisance wildlife issues, wildlife species information and management advice. Target: 10,000	Target	2018-07-01	2019-06-30	10,000
Base: 11,294	Actual		2018-07-01	11,294
TBD	Actual	2018-07-01	2019-06-30	11,294

Data Source and Availability: Staff monthly reports. Calculation Method: Number of contacts with the public. Meaningful Use of Measure: Guidance provided to the public results in better species and habitat management.

4.2. Fish

Produce freshwater fish and stock in public waters

Performance Indicators

4.2.1 Facilities

Description	Type	Start Date	End Date	Number
Operate and maintain facilities at a level to meet management demands Target: 6	Target	2018-07-01	2019-06-30	6
Base: 5	Actual		2018-07-01	5
TBD	Actual	2018-07-01	2019-06-30	5

Data Source and Availability: Staff monthly reports. Calculation Method: Number of operational fish hatcheries. Meaningful Use of Measure: Hatcheries can meet stocking needs more efficiently and effectively.

4.2.2 Fish

Description	Type	Start Date	End Date	Number
Number of fish needed to meet demand for public water stocking. Target: 10,000,000	Target	2018-07-01	2019-06-30	10,000,000
Base: 13,231,851	Actual		2018-07-01	13,231,851

Description	Type	Start Date	End Date	Number
TBD	Actual	2018-07-01	2019-06-30	13,231,851

Data Source and Availability: Staff monthly reports. Calculation Method: Number of fish produced. Meaningful Use of Measure: Ensure public waters maintain proper numbers and diversity of fish.

4.3. Fishing

Administration of hunting and freshwater fishing opportunities

Stakeholder(s):

Anglers

Performance Indicators

4.3.1 Hunting Opportunities

Description	Type	Start Date	End Date	Number
Provide hunting opportunities to the public through the Wildlife Management Area Program Target: 1,099,420	Target	2018-07-01	2019-06-30	1,099,420
Base: 1,098,681	Actual		2018-07-31	1,098,681
TBD	Actual	2018-07-01	2019-06-30	1,098,681

Data Source and Availability: Staff Monthly Report. Calculation Method: Number of acres available for use as a WMA. Meaningful Use of Measure: Quality public hunting areas continue to be available across the state.

4.3.2 Lakes

Description	Type	Start Date	End Date	Number
Availability of state lakes open to public fishing Target: 17	Target	2018-07-01	2019-06-30	17
Base: 16	Actual		2018-07-01	
TBD	Actual	2018-07-01	2019-06-30	

Data Source and Availability: Staff Monthly Report. Calculation Method: Number of state lakes open to the public. Meaningful Use of Measure: Quality public fishing areas continue to be available across the state.

4.3.3 Participants

Description	Type	Start Date	End Date	Number
Number of deer quota cooperators, specialty permits issued and lottery hunt participants. Target: 5,500	Target	2018-07-01	2019-06-30	5,500
Base: 5,521	Actual		2018-07-01	5,521
TBD	Actual	2018-07-01	2019-06-30	5,521

Data Source and Availability: Staff Monthly Report. Calculation Method: Number of permits, tags and participants. Meaningful Use of Measure: Permits are issued in a timely manner, lottery hunts are conducted so the public has sufficient notice and view the process as fair and reasonable.

4.3.4 Participants

Description	Type	Start Date	End Date	Number
Public participation in WFF Division programs calculated through number of events and participants Target: 350/14,000	Target	2018-07-01	2019-06-30	14,000
Base: 380/15,675	Actual		2018-07-01	15,675
TBD	Actual	2018-07-01	2019-06-30	15,675

Data Source and Availability: Staff Monthly Report. Calculation Method: Number of events and participants. Meaningful Use of Measure: Increased participation in hunting and fishing in the state.

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5. Processes

To continuously evaluate and improve administrative and business processes, efficiency, effectiveness, and internal/external service delivery with a focus on transparency, communications, accountability, and the integration of new technologies.

5.1. Boats

Increase access for DNR's boating customers to receive titling and registration services.

Stakeholder(s):

Boaters

Performance Indicators

5.1.1 Full Service

Description	Type	Opening	Start Date	End Date	Number
Open the current processing office located at the Farmer's Market for full service walk in boating customers. Target: 2	Target	Opening	2018-07-01	2019-06-30	2
Base: New	Actual			2018-07-01	
TBD	Actual		2018-07-01	2019-06-30	

Data Source and Availability: Trained boat title/registration staff moved to Farmer's Market. Calculation Method: Physical move occurs. Meaningful Use of Measure: Easier access for the customer - the Farmer's Market is located off of I-26. This also provides adequate and free parking for the customers unlike the current location at 1000 Assembly Street.

Administrative Information

Start Date: 2018-07-01

End Date: 2019-06-30

Publication Date: 2018-12-13

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