



WVDNR

West Virginia Division of Natural Resources

2018-2019

ANNUAL REPORT





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David M. Milne – *Bruceston Mills*
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The West Virginia Division of Natural Resources Annual Report 2018-2019 is published by the Division of Natural Resources and the Department of Commerce Communications.

It is the policy of the Division of Natural Resources to provide its facilities, services, programs and employment opportunities to all persons without regard to sex, race, age, religion, national origin or ancestry, disability, or other protected group status.

LETTER FROM THE DIRECTOR

Dear Governor Justice:

Transmitted herewith is the Annual Report for the West Virginia Division of Natural Resources for the fiscal year July 1, 2018 through July 1, 2019.

The Annual Report contains a summary of the activities undertaken by the agency in accordance with carrying out the statutory mission of the organization in managing the state's natural resources.

A detailed accounting of receipts and expenditures as prescribed by Chapter 20, Code of West Virginia, is also respectfully submitted.



Sincerely,

A handwritten signature in blue ink, appearing to read "S.S. McDaniel". The signature is stylized and written in a cursive-like font.

Stephen S. McDaniel

ORGANIZATIONAL CHART



GOVERNOR



WEST VIRGINIA

DEPARTMENT of COMMERCE

COMMERCE SECRETARY

WVDNR

DIRECTOR

DEPUTY DIRECTOR

OFFICE OF PLANNING,
ENGINEERING
AND MAINTENANCE

OFFICE OF
LAND AND STREAMS

WVDNR

ADMINISTRATION

BUDGET AND
FISCAL SERVICES

PROPERTY
AND PROCUREMENT

FLEET MANAGEMENT

HUMAN RESOURCES

CUSTOMER RELATIONS

INFORMATION
AND TECHNOLOGY
RESOURCES



LAW
ENFORCEMENT

ENFORCEMENT

HUNTER SAFETY AND
BOATER SAFETY

WEST VIRGINIA
**state
parks**

PARKS AND
RECREATION

OPERATIONS

PLANNING,
ENGINEERING AND
MAINTENANCE

PROGRAMMING



WILDLIFE
RESOURCES

GAME MANAGEMENT

FISH MANAGEMENT

OPERATIONS

DIVERSITY UNIT

Mission Statement

It is the statutory mission of the West Virginia Division of Natural Resources to provide and administer a long-range comprehensive program for the exploration, conservation, development, protection, enjoyment, and use of the natural resources of the State of West Virginia.

Vision Statement

Clean water, healthy forests, diverse habitats, and abundant wildlife that are responsibly managed, protected, and utilized by all residents and visitors to West Virginia, maximizing the economic potential of the state's natural beauty and abundant recreational opportunities.

Guiding Principles

- **Public Trust and Accountability.** The WVDNR is accountable to the public and operates in an open and transparent manner so public trust is maintained.
- **Stewardship.** The WVDNR is the steward of all the state's natural resources for present and future generations.
- **Partnerships.** The WVDNR proactively seeks out new partnership opportunities, both public and private, to position itself to best serve the stakeholders of West Virginia's natural resources.
- **Customer Service.** The WVDNR provides excellent service to all customers, both internal and external.
- **Diversity.** The WVDNR promotes not only diverse ecosystems, but diversity in the workplace as well so all stakeholders may benefit from the enjoyment of the state's natural resources.
- **Valued and Highly Skilled Staff.** The WVDNR supports the development of its staff and fosters an environment of collaboration and innovation so staff, as well as the agency, can reach full potential.

Boards and Commissions on which the Director Serves

- West Virginia Natural Resources Commission §20-1-17(b)
- Wildlife Endowment Fund Advisory Board §20-2B-2
- West Virginia Public Land Corporation §5A-11-2(b)
- West Virginia Whitewater Commission §20-2-23(a)
- West Virginia Outdoor Heritage Conservation Fund §5B-2G-4(a)
- National Coal Heritage Area Authority §29-27-3(b)
- State Resiliency Office Board §29-30-2

EEOC Statement

It is the policy of the Division of Natural Resources to provide its facilities, services, programs, and employment opportunities to all persons without regard to sex, race, age, religion, national origin, or ancestry, disability, or other protected group status.

DISTRICT OFFICES

1 1110 Railroad Street
Farmington, WV 26571
(304) 825-6787

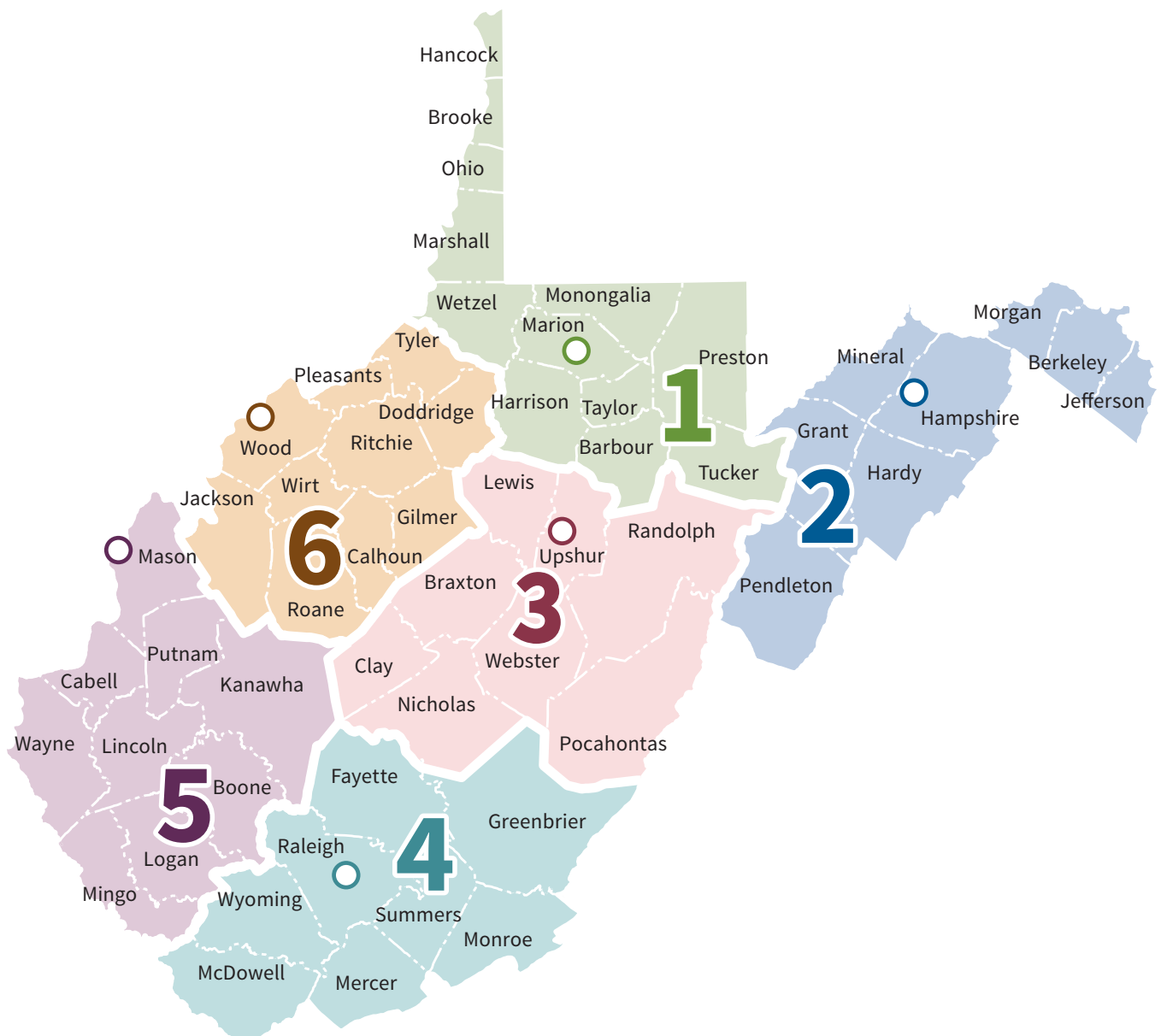
3 163 Wildlife Road
French Creek, WV 26218
(304) 924-6211

5 50 Rocky Branch Road
Alum Creek, WV 25003
(304) 756-1023

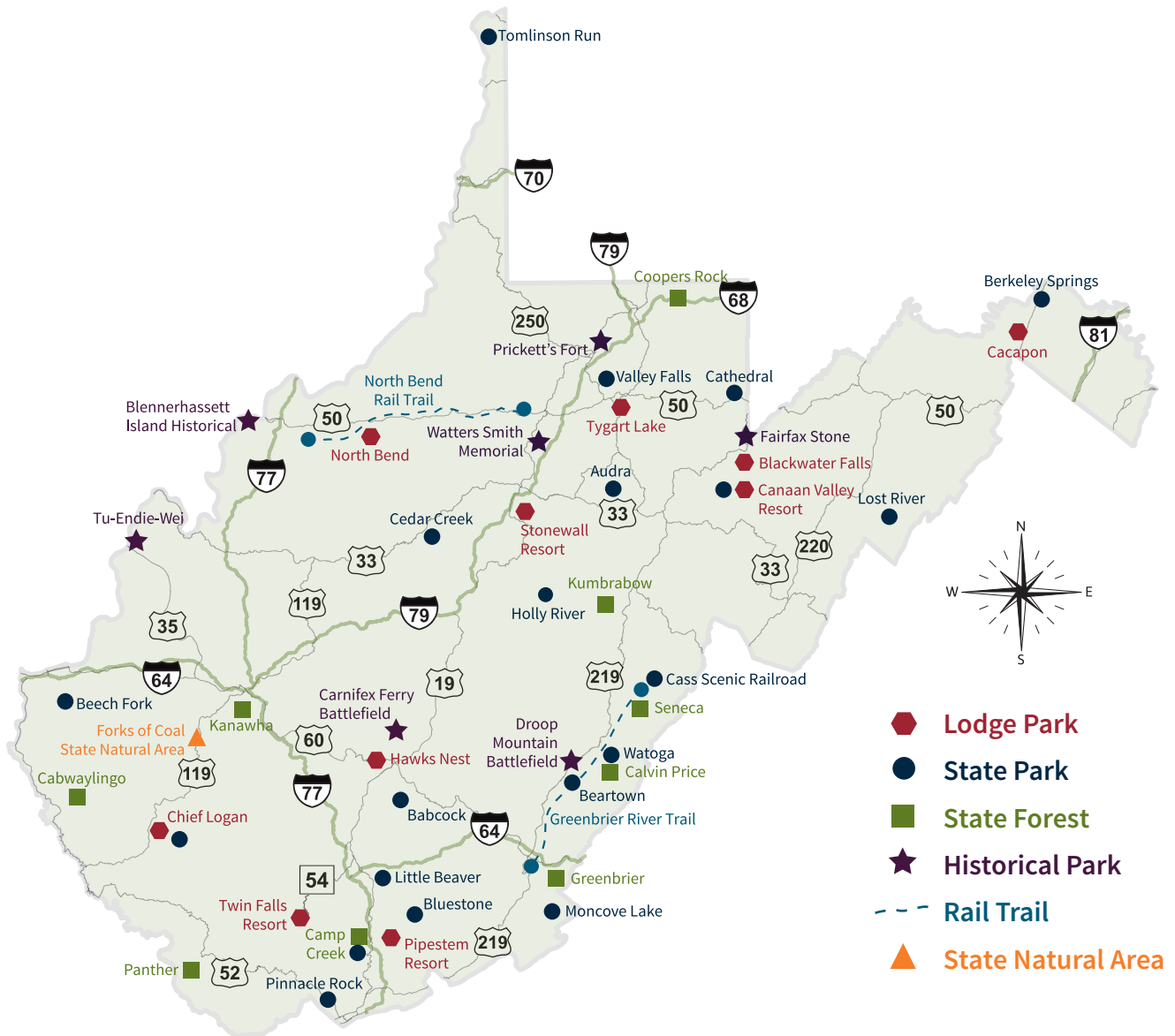
2 1 Depot Street
Romney, WV 26757
(304) 822-3551

4 2006 Robert C. Byrd Dr.
Beckley, WV 25801-8320
(304) 256-6945

6 2311 Ohio Avenue
Parkersburg, WV 26101
(304) 420-4550



STATE PARKS, FORESTS AND RECREATION AREAS



WILDLIFE MANAGEMENT AREAS

District 1

(304) 825-6787

1. Bear Rocks Lake
2. Burches Run
3. Castlemans Run Lake
4. Cecil H. Underwood
5. Center Branch
6. Cheat Canyon
7. Cross Creek
8. Dents Run
9. Dunkard Fork
10. Fairfax Pond-Rehe
11. Hillcrest
12. Lantz Farm and Nature Preserve
13. Lewis Wetzel
14. Little Canaan
15. Little Indian Creek
16. Pedlar
17. Pleasant Creek
18. Pruntytown State Farm
19. Snake Hill
20. Teter Creek
21. Upper Deckers Creek

District 2

(304) 822-3551

22. Allegheny
23. Edwards Run
24. Fort Mill Ridge
25. Lost River
26. Nathaniel Mountain
27. Shannondale Springs
28. Short Mountain
29. Sideling Hill
30. Sleepy Creek
31. South Branch
32. Thorn Creek
33. Warden Lake
34. White Horse Mountain
35. Widmeyer

District 3

(304) 924-6211

36. Becky Creek
37. Big Ditch
38. Burnsville Lake
39. Elk River
40. Handley
41. Huttonsville
42. Slatyfork
43. Smoke Camp
44. Stonecoal Lake
45. Stonewall Jackson Lake
46. Summersville Lake
47. Valley Bend

District 4

(304) 256-6947

48. Anawalt Lake
49. Andrew Rowan
50. Beury Mountain
51. Bluestone Lake
52. Horse Creek Lake
53. Meadow River
54. Moncove Lake
55. Panther
56. Plum Orchard Lake
57. R.D. Bailey Lake
58. Tate Lohr
59. Tug Fork

District 5

(304) 756-1023

60. Amherst/Plymouth
61. Beech Fork Lake
62. Big South
63. Big Ugly
64. Bright McCausland Homestead
65. Chief Cornstalk
66. Chief Logan
67. East Lynn Lake
68. Green Bottom
69. Hilbert
70. Laurel Lake
71. McClintic
72. Mill Creek
73. Morris Creek
74. Tomblin
75. Upper Mud River

District 6

(304) 420-4550

76. Buffalo Run
77. Burning Springs
78. Conaway Run Lake
79. Elk Fork Lake
80. Federal Ridge
81. Frozen Camp
82. Hughes River
83. Little Kanawha River
84. Lynn Camp
85. O'Brien Lake
86. Ritchie Mines
87. Rollins Lake
88. Sand Hill
89. Sandy Creek
90. Stumptown
91. The Jug
92. Toll Gate
93. Turkey Run
94. Walker Creek
95. Wallback
96. Woodrum Lake

State Forests

(304) 558-2764

- A. Cabwaylingo
- B. Calvin Price
- C. Camp Creek
- D. Coopers Rock
- E. Greenbrier
- F. Kanawha
- G. Kumbrabow
- H. Seneca

National Forests

Monongahela WMAs

- I. Beaver Dam
- J. Blackwater
- K. Cheat
- M. Cranberry
- N. Little River
- O. Neola
- P. Otter Creek
- Q. Potomac
- S. Rimel
- U. Tea Creek

George Washington WMAs

- L. Cove Creek
- T. Shenandoah
- V. Wardensville

Jefferson WMAs

- R. Potts Creek

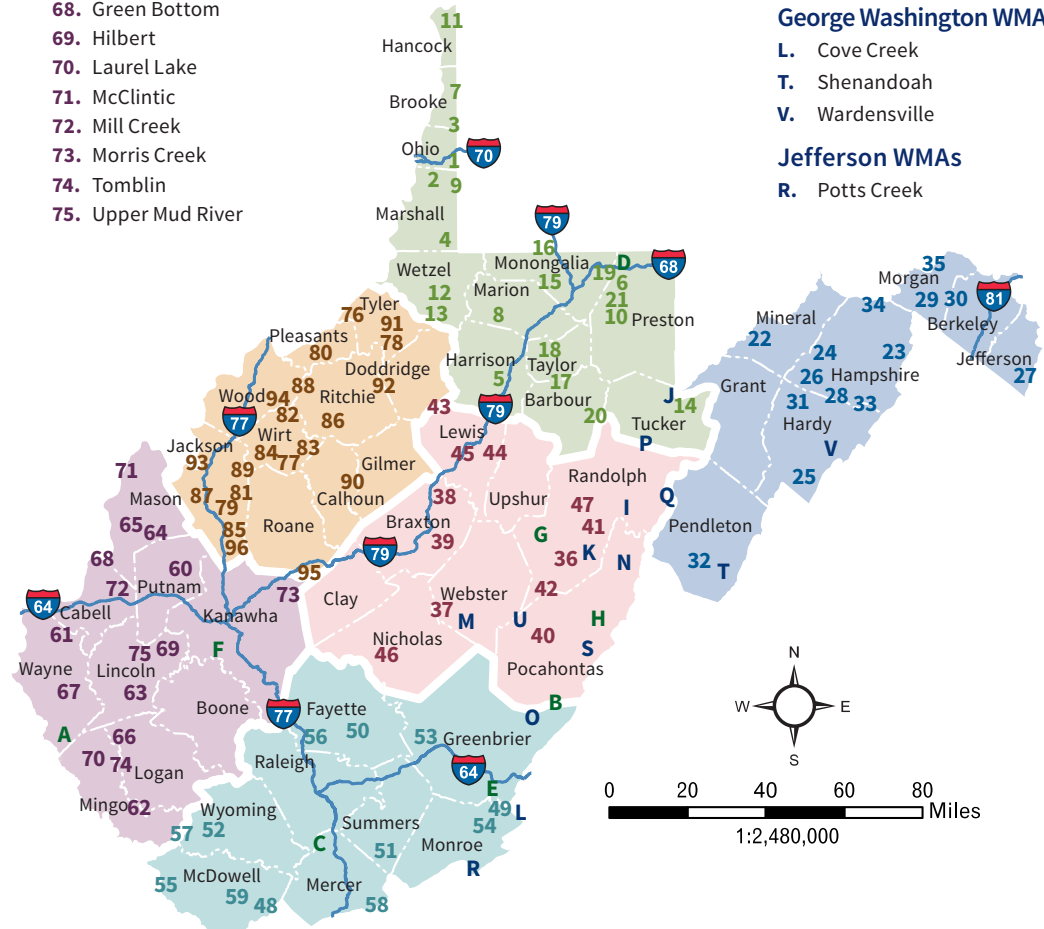


TABLE OF CONTENTS

Administration Section	2-37
Human Resources	3
Fleet Management.....	3
Property and Procurement	3
Information and Technology Resources.....	3
Customer Relations.....	4
Hunting and Fishing License Sales	4
Budget and Fiscal Services.....	11
Statement of Disbursements.....	12
Combined Statement of Revenues, Disbursements and Changes in Cash Balances.....	17
Office of Land and Streams	38-43
Overview	39
Lands of the Division of Natural Resources.....	39
Waters Administered.....	39
Land Acquisition.....	40
Oil and Gas Leasing	43
River and Stream Management.....	43
Law Enforcement.....	44-59
Law Enforcement Program.....	45
Officer Training.....	46
Hunter Education Program.....	46
Boating Safety Program.....	47
Whitewater Enforcement Program	47
The License/Privilege Revocation System.....	48
Law Enforcement Activity.....	49
Arrests by Type and District.....	50
Warnings and Complaints by District	51
Prosecution Comparison – FY2018 v. FY 2019	52
Report of Prosecutions by Charge	53
Report of Prosecutions by County	58
Parks and Recreation	60-74
Overview	61
General Information.....	62
Finances	64
Individual Area and Section Activity Reports	65
Planning Engineering and Maintenance	75-77
Overview	76
Substantially Completed Projects	76
Construction and Design Projects	77
Wildlife Resources.....	78-97
Operations Unit	79
Game Management Unit	85
Wildlife Damage and Nuisance Wildlife Program.....	86
Technical Assistance Program	86
Regional, National and International Coordination Program.....	86
Wildlife Population Survey and Research Program.....	87
Fish Management Unit	89
Interstate Fisheries Coordination Program.....	92
Habitat and Water Quality Enhancement Program	92
Tournament Coordination and Trophy Fish Citation Program	93
Wildlife Diversity Unit.....	93
Index	96-100

WVDNR

ADMINISTRATION

Scott H. Kline, *Chief*



The Administration Section provides services to all Division of Natural Resources offices in the areas of budgeting, accounting, investments, staffing, payroll, employee relations, employee benefits, workforce development, procurement, property management and control, fleet management, general services, computer application development and maintenance, customer relations, and hunting and fishing license sales. It also publishes *Wonderful West Virginia* magazine.

This Section is composed of seven major units: Office of the Chief, Budget and Fiscal Services, Customer Relations, Fleet Management, Human Resources, Property and Procurement, and Information and Technology Resources.

Human Resources

The Human Resources office is composed of 11 staff members working within three primary areas: Employee Relations, Workforce Development, and Employment Services. During FY2019, the Human Resources office processed 124 job postings, 829 new hires (permanent and temporary), 30 resignations, 33 retirements, 70 Workers' Compensation claims, and 110 unemployment claims.

Fleet Management

The Fleet Management office is managed by the Fleet Coordinator who oversees all administrative tasks pertaining to agency-owned vehicles (cars, trucks, boats, ATVs, UTVs, and utility trailers). These tasks include fuel and maintenance management, titles and registration, inventory management, insurance, reimbursements of sold vehicles, and driver safety training. During FY2019, the agency retired 22 vehicles and purchased 22 vehicles. The agency received \$49,498 in reimbursements from vehicles that were sold. Under the direction of the Fleet Management office, the agency received 100% compliance for the 2019 Driver Safety Training program.

Property and Procurement

The Property and Procurement office is composed of 11 staff members, including six District Radio Operators. The Property and Procurement staff are responsible for the procurement of commodities and services for the entire agency. During FY2019, the office processed 421 added fixed property assets, retired 488 fixed assets, completed 685 Agency Delivery Orders, awarded 124 contracts, and issued 97 change orders and modifications.

Purchases less than \$15,000.....	37
Purchases \$15,000 - \$25,000.....	12
Purchases over \$25,000.....	75

Information and Technology Resources

The Information and Technology Resources office is composed of one full-time staff member. The office performs IT support services, technology planning, project management, and database and document services. This technical component of the Administration Section is charged with supporting business operations by utilizing and improving available technology.

SERVICE HITS PER WEBSITES:

WVDNR.gov.....	3,924,038
StateParks.....	6,514,678

(up 56.80% with the new website)

Wonderful West Virginia Magazine.....	22,909
SharePoint.....	53,052

(annualized based on available data)

ADMINISTRATION

Customer Relations

Customer Relations is composed of the Hunting and Fishing License unit, the *Wonderful West Virginia* magazine staff, as well as front desk operations at the South Charleston Office with a total of nine staff members.

Wonderful West Virginia magazine is an official publication of the West Virginia Division of Natural Resources. In FY 2019, the average number of copies mailed each month to individual subscribers was 19,123. In addition, an average of 1,998 copies were distributed each month to paid bulk subscribers such as governmental agencies, chambers of commerce, hotels, real estate firms, state park gift shops, and other newsstand distributors.

The Hunting and Fishing License Unit is responsible for administering all aspects of the hunting and fishing license operations. In calendar year 2018, there were 802,717 license privileges sold, resulting in license revenue of \$14,071,532. The new electronic licensing system (ELS) went live January 1, 2015, marking 2018 as the fourth year for the sale of 100% of hunting and fishing licenses by electronic means.

TOTAL LICENSE SALES

Hunting and Fishing License Sales By Residency and Class – Calendar Year 2018

RESIDENT				
CLASS	DESCRIPTION	PRICE	NUMBER	AMOUNT
A	Hunting and Trapping	\$ 19.00	13,858	\$ 263,302.00
AH	Apprentice Hunt & Trapp	\$ 19.00	679	\$ 12,901.00
AHJ**	Apprentice Junior Hunt & Trapp	\$ 11.00	1,558	\$ 17,138.00
B	Fishing	\$ 19.00	70,008	\$ 1,330,152.00
L	5-Day Fishing	\$ 8.00	1,679	\$ 13,432.00
N	Antlerless Deer Hunting	\$ 10.00	59,769	\$ 597,690.00
BG	Big Game	\$ 10.00	3,510	\$ 35,100.00
RG	Additional Deer - Firearms	\$ 21.00	19,761	\$ 414,981.00
RB	Additional Deer - Archery	\$ 21.00	17,082	\$ 358,722.00
RM	Additional Deer - Muzzleloader	\$ 16.00	1,357	\$ 21,712.00
X*	Sportsman Hunting/Trapping/Fishing	\$ 30.00	88,272	\$ 2,648,160.00
XJ**	Junior Sportsman Hunting/Trapping/Fishing	\$ 11.00	6,050	\$ 66,550.00
A-1	Small Arms Hunting	\$ 8.00	5,577	\$ 44,616.00
DS	Bear Damage Stamp	\$ 10.00	24,126	\$ 241,260.00
O	Trout Fishing	\$ 10.00	91,098	\$ 910,980.00
CS***	Conservation Stamp	\$ 5.00	177,896	\$ 889,480.00
Resident Subtotal			582,280	\$ 7,866,176.00

*The listed price of X (\$30) does not include the price of the CS (\$5). Total price of X is \$35.

**The listed price of XJ & AHJ (\$11) does not include the price of the CS (\$5). Total price of XJ & AHJ is \$16.

***CS includes the CS stamps sold on X, XJ and AHJ licenses.

ADMINISTRATION

TOTAL LICENSE SALES

Hunting and Fishing License Sales By Residency and Class – Calendar Year 2018

NON-RESIDENT				
CLASS	DESCRIPTION	PRICE	NUMBER	AMOUNT
I	National Forest Hunting/Trapping/Fishing	\$ 2.00	18,673	\$ 37,346.00
E	Non-resident Hunting/Trapping	\$ 119.00	24,992	\$ 2,974,048.00
EE	Non-resident Bear Hunting	\$ 162.00	1,832	\$ 296,784.00
AAH	Non-resident Apprentice Hunt & Trapp	\$ 119.00	275	\$ 32,725.00
AAHJ	Non-resident Apprentice Junior Hunt & Trapp	\$ 16.00	531	\$ 8,496.00
F	Non-resident Fishing	\$ 37.00	14,482	\$ 535,834.00
H	Non-resident Small Game Hunting - 6 day	\$ 27.00	765	\$ 20,655.00
LL	Non-resident Fishing - 1 day	\$ 3.00	44,922	\$ 134,766.00
NN	Non-resident Antlerless Deer	\$ 27.00	14,512	\$ 391,824.00
RRG	Non-resident Additional Deer - Firearms	\$ 43.00	4,336	\$ 186,448.00
RRB	Non-resident Additional Deer - Archery	\$ 37.00	2,310	\$ 85,470.00
RRM	Non-resident Additional Deer - Muzzleloader	\$ 37.00	159	\$ 5,883.00
UU	Non-resident Archery Deer	\$ 32.00	7,505	\$ 240,160.00
VV	Non-resident Muzzleloader Deer	\$ 32.00	1,467	\$ 46,944.00
WW	Non-resident Turkey	\$ 32.00	4,190	\$ 134,080.00
XXJ	Non-resident Junior Sportsman	\$ 16.00	1,683	\$ 26,928.00
A-1	Small Arms Hunting	\$ 8.00	789	\$ 6,312.00
DS-EE	Bear Damage Stamp	\$ 10.00	1,790	\$ 17,900.00
OO	Trout Fishing	\$ 16.00	16,261	\$ 260,176.00
J	Small Game Shooting Preserve Hunting - 6 day	\$ 10.00	1,314	\$ 13,140.00
CS/LE	Non-resident Conservation / Law Enforcement	\$ 13.00	57,649	\$ 749,437.00
Non-Resident Subtotal			220,437	\$ 6,205,356.00
GRAND TOTAL RESIDENT + NON-RESIDENT SALES			802,717	\$ 14,071,532.00

ADMINISTRATION

GOWILD! ONLINE LICENSE SALES

Hunting and Fishing License Sales By Residency and Class – Calendar Year 2018

RESIDENT				
CLASS	DESCRIPTION	PRICE	NUMBER	AMOUNT
A	Hunting and Trapping	\$ 19.00	3,530	\$ 67,070.00
AH	Apprentice Hunt & Trapp	\$ 19.00	450	\$ 8,550.00
AHJ**	Apprentice Junior Hunt & Trapp	\$ 11.00	688	\$ 7,568.00
B	Fishing	\$ 19.00	17,032	\$ 323,608.00
L	5-Day Fishing	\$ 8.00	828	\$ 6,624.00
N	Antlerless Deer Hunting	\$ 10.00	23,829	\$ 238,290.00
BG	Big Game	\$ 10.00	1,139	\$ 11,390.00
RG	Additional Deer - Firearms	\$ 21.00	7,665	\$ 160,965.00
RB	Additional Deer - Archery	\$ 21.00	7,442	\$ 156,282.00
RM	Additional Deer - Muzzleloader	\$ 16.00	743	\$ 11,888.00
X*	Sportsman Hunting/Trapping/Fishing	\$ 30.00	32,592	\$ 977,760.00
XJ**	Junior Sportsman Hunting/Trapping/Fishing	\$ 11.00	1,995	\$ 21,945.00
A-1	Small Arms Hunting	\$ 8.00	2,356	\$ 18,848.00
DS	Bear Damage Stamp	\$ 10.00	10,648	\$ 106,480.00
O	Trout Fishing	\$ 10.00	28,267	\$ 282,670.00
CS***	Conservation Stamp	\$ 5.00	55,768	\$ 278,840.00
Resident Subtotal			194,972	\$ 2,678,778.00

*The listed price of X (\$30) does not include the price of the CS (\$5). Total price of X is \$35.

**The listed price of XJ & AHJ (\$11) does not include the price of the CS (\$5). Total price of XJ & AHJ is \$16.

***CS includes the CS stamps sold on X, XJ, & AHJ licenses.

ADMINISTRATION

GOWILD! ONLINE LICENSE SALES

Hunting and Fishing License Sales By Residency and Class – Calendar Year 2018

NON-RESIDENT				
CLASS	DESCRIPTION	PRICE	NUMBER	AMOUNT
I	National Forest Hunting/Trapping/Fishing	\$ 2.00	10,073	\$ 20,146.00
E	Non-resident Hunting/Trapping	\$ 119.00	14,791	\$ 1,760,129.00
EE	Non-resident Bear Hunting	\$ 162.00	1,191	\$ 192,942.00
AAH	Non-resident Apprentice Hunt & Trapp	\$ 119.00	205	\$ 24,395.00
AAHJ	Non-resident Apprentice Junior Hunt & Trapp	\$ 16.00	366	\$ 5,856.00
F	Non-resident Fishing	\$ 37.00	6,497	\$ 240,389.00
H	Non-resident Small Game Hunting - 6 day	\$ 27.00	535	\$ 14,445.00
LL	Non-resident Fishing - 1 day	\$ 3.00	18,563	\$ 55,689.00
NN	Non-resident Antlerless Deer	\$ 27.00	8,934	\$ 241,218.00
RRG	Non-resident Additional Deer - Firearms	\$ 43.00	2,678	\$ 115,154.00
RRB	Non-resident Additional Deer - Archery	\$ 37.00	1,807	\$ 66,859.00
RRM	Non-resident Additional Deer - Muzzleloader	\$ 37.00	116	\$ 4,292.00
UU	Non-resident Archery Deer	\$ 32.00	4,919	\$ 157,408.00
VV	Non-resident Muzzleloader Deer	\$ 32.00	907	\$ 29,024.00
WW	Non-resident Turkey	\$ 32.00	2,692	\$ 86,144.00
XXJ	Non-resident Junior Sportsman	\$ 16.00	1,152	\$ 18,432.00
A-1	Small Arms Hunting	\$ 8.00	333	\$ 2,664.00
DS-EE	Bear Damage Stamp	\$ 10.00	1,161	\$ 11,610.00
OO	Trout Fishing	\$ 16.00	7,511	\$ 120,176.00
J	Small Game Shooting Preserve Hunting - 6 day	\$ 10.00	1,277	\$ 12,770.00
CS/LE	Non-resident Conservation / Law Enforcement	\$ 13.00	29,368	\$ 381,784.00
Non-Resident Subtotal			115,076	\$ 3,561,526.00
GRAND TOTAL RESIDENT + NON-RESIDENT SALES			310,048	\$ 6,240,304.00

ADMINISTRATION

APS (AGENT POINT OF SALE) LICENSE SALES

Hunting and Fishing License Sales By Residency and Class – Calendar Year 2018

RESIDENT				
CLASS	DESCRIPTION	PRICE	NUMBER	AMOUNT
A	Hunting and Trapping	\$ 19.00	10,328	\$ 196,232.00
AH	Apprentice Hunt & Trapp	\$ 19.00	229	\$ 4,351.00
AHJ	Apprentice Junior Hunt & Trapp	\$ 11.00	870	\$ 9,570.00
B	Fishing	\$ 19.00	52,976	\$ 1,006,544.00
L	5-Day Fishing	\$ 8.00	851	\$ 6,808.00
N	Antlerless Deer Hunting	\$ 10.00	35,940	\$ 359,400.00
BG	Big Game	\$ 10.00	2,371	\$ 23,710.00
RG	Additional Deer - Firearms	\$ 21.00	12,096	\$ 254,016.00
RB	Additional Deer - Archery	\$ 21.00	9,640	\$ 202,440.00
RM	Additional Deer - Muzzleloader	\$ 16.00	614	\$ 9,824.00
X*	Sportsman Hunting/Trapping/Fishing	\$ 30.00	55,680	\$ 1,670,400.00
XJ**	Junior Sportsman Hunting/Trapping/Fishing	\$ 11.00	4,055	\$ 44,605.00
A-1	Small Arms Hunting	\$ 8.00	3,221	\$ 25,768.00
DS	Bear Damage Stamp	\$ 10.00	13,478	\$ 134,780.00
O	Trout Fishing	\$ 10.00	62,831	\$ 628,310.00
CS***	Conservation Stamp	\$ 5.00	122,128	\$ 610,640.00
Resident Subtotal			387,308	\$ 5,187,398.00

*The listed price of X (\$30) does not include the price of the CS (\$5). Total price of X is \$35.

**The listed price of XJ & AHJ (\$11) does not include the price of the CS (\$5). Total price of XJ & AHJ is \$16.

***CS includes the CS stamps sold on X, XJ and AHJ licenses.

ADMINISTRATION

APS (AGENT POINT OF SALE) LICENSE SALES

Hunting and Fishing License Sales By Residency and Class – Calendar Year 2018

NON-RESIDENT				
CLASS	DESCRIPTION	PRICE	NUMBER	AMOUNT
I	National Forest Hunting/Trapping/Fishing	\$ 2.00	8,600	\$ 17,200.00
E	Non-resident Hunting/Trapping	\$ 119.00	10,201	\$ 1,213,919.00
EE	Non-resident Bear Hunting	\$ 162.00	641	\$ 103,842.00
AAH	Non-resident Apprentice Hunt & Trapp	\$ 119.00	70	\$ 8,330.00
AAHJ	Non-resident Apprentice Junior Hunt & Trapp	\$ 16.00	165	\$ 2,640.00
F	Non-resident Fishing	\$ 37.00	7,985	\$ 295,445.00
H	Non-resident Small Game Hunting - 6 day	\$ 27.00	230	\$ 6,210.00
LL	Non-resident Fishing - 1 day	\$ 3.00	26,359	\$ 79,077.00
NN	Non-resident Antlerless Deer	\$ 27.00	5,578	\$ 150,606.00
RRG	Non-resident Additional Deer - Firearms	\$ 43.00	1,658	\$ 71,294.00
RRB	Non-resident Additional Deer - Archery	\$ 37.00	503	\$ 18,611.00
RRM	Non-resident Additional Deer - Muzzleloader	\$ 37.00	43	\$ 1,591.00
UU	Non-resident Archery Deer	\$ 32.00	2,586	\$ 82,752.00
VV	Non-resident Muzzleloader Deer	\$ 32.00	560	\$ 17,920.00
WW	Non-resident Turkey	\$ 32.00	1,498	\$ 47,936.00
XXJ	Non-resident Junior Sportsman	\$ 16.00	531	\$ 8,496.00
A-1	Small Arms Hunting	\$ 8.00	456	\$ 3,648.00
DS-EE	Bear Damage Stamp	\$ 10.00	629	\$ 6,290.00
OO	Trout Fishing	\$ 16.00	8,750	\$ 140,000.00
J	Small Game Shooting Preserve Hunting - 6 day	\$ 10.00	37	\$ 370.00
CS/LE	Non-resident Conservation / Law Enforcement	\$ 13.00	28,281	\$ 367,653.00
Non-Resident Subtotal			105,361	\$ 2,643,830.00
GRAND TOTAL RESIDENT + NON-RESIDENT SALES			492,669	\$ 7,831,228.00

ADMINISTRATION

LIFETIME LICENSE SALES

Hunting and Fishing License Sales By Class – Calendar Year 2018

ADULT				
CLASS	DESCRIPTION	PRICE	NUMBER	AMOUNT
A-L	Hunting and Trapping	\$ 782.00	4	\$ 3,128.00
AB-L	Hunting, Trapping, and Fishing	\$ 805.00	291	\$ 234,255.00
A-1-L	Small Arms Hunting	\$ 75.00	46	\$ 3,450.00
B-L	Fishing	\$ 552.00	28	\$ 15,456.00
O-L	Trout	\$ 230.00	152	\$ 34,960.00
Adult Subtotal			521	\$ 291,249.00

INFANT				
CLASS	DESCRIPTION	PRICE	NUMBER	AMOUNT
A-L-I	Hunting and Trapping	\$ 391.00	4	\$ 1,564.00
AB-L-I	Hunting, Trapping, and Fishing	\$ 402.50	1,078	\$ 433,895.00
B-L-I	Fishing	\$ 276.00	23	\$ 6,348.00
O-L-I	Trout	\$ 115.00	440	\$ 50,600.00
Infant Subtotal			1,545	\$ 492,407.00

SENIOR				
CLASS	DESCRIPTION	PRICE	NUMBER	AMOUNT
XS	Hunting and Trapping	\$ 25.00	6,130	\$ 153,250.00
Senior Subtotal			6,130	\$ 153,250.00

GRAND TOTAL LIFETIME SALES			8,196	\$ 936,906.00
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Budget and Fiscal Services

The Budget and Fiscal Services functions were combined into one office during 2019 to take advantage of the natural alignment between the two units, to foster deeper collaboration, and to provide additional cross-training opportunities.

The Budget team is composed of 2.5 staff people sharing a position with the Accounts Receivable sub-unit within Fiscal Services. The team prepares all appropriation requests for the agency, develops expenditure schedules and amendments to the fiscal year budget, and monitors all budgeting processes. The team also manages the automated clearing house payment system for federal programs and prepares the Division's indirect cost allocation plan. During legislative sessions, the Budget team coordinates and processes all legislative fiscal notes. During FY2019, the Budget team processed 441 budget amendments, 15 federal drawdowns for the Wildlife Resources Section, 11 federal drawdowns for the Law Enforcement Section, and two spending authority adjustments.

The Fiscal Services team is composed of 13.5 employees who handle all the payment and revenue processes for the agency, including compliance. Fiscal Services has five sub-units: Accounts Payable, Accounts Receivable, P-Card Management, Financial Reporting, and Internal Auditing. During FY2019, Fiscal Services processed 55,161 purchasing card transactions, 9,610 invoices, 1,836 travel documents, and conducted numerous field audits.

ADMINISTRATION

Statement of Disbursements

The following report is limited to a presentation of the fiscal operations of the West Virginia Division of Natural Resources for the year ending June 30, 2019.

STATEMENT OF DISBURSEMENTS FISCAL YEAR 2018-2019

ADMINISTRATION SECTION

EXECUTIVE/ADMINISTRATIVE

Contractor Pmts for Capital Asset Proj	\$	44,192.60
Current Expense		658,562.33
Employee Benefits		132,093.69
Equipment		3,486.00
Fund Transfers		5,173,892.00
Personal Services		486,507.24
Repairs and Alterations		<u>4,612.51</u>

TOTAL \$ 6,503,346.37

FISCAL SERVICES

Current Expense	\$	371,473.97
Employee Benefits		207,571.58
PEIA Reserve Transfer		17,934.62
Personal Services		574,408.39
Repairs and Alterations		<u>(1,000.00)</u>

TOTAL \$ 1,170,388.56

GENERAL SERVICES

Building Improvements	\$	4,641.62
Current Expense		336,408.80
Employee Benefits		137,828.07
Equipment		537.57
Personal Services		385,167.23
Repairs and Alterations		<u>11,171.84</u>

TOTAL \$ 875,755.13

STAFFING/PAYROLL

Current Expense	\$	20,305.72
Employee Benefits		159,499.64
Equipment		363.67
Personal Services		446,669.58
Repairs and Alterations		<u>399.95</u>

TOTAL \$ 627,238.56

WONDERFUL WEST VIRGINIA MAGAZINE

Current Expense	\$	324,520.42
Employee Benefits		28,695.30
Personal Services		<u>63,447.18</u>

TOTAL \$ 416,662.90

General Revenue Appropriated		2,669,467.07
Special Revenue Non-Appropriated		5,582,235.88
Special Revenue Appropriated		1,246,545.61
Federal Revenue Appropriated	\$	<u>95,142.96</u>

TOTAL ADMINISTRATION \$ 9,593,391.52

ADMINISTRATION

STATEMENT OF DISBURSEMENTS FISCAL YEAR 2018-2019

LAW ENFORCEMENT SECTION

LAW ENFORCEMENT			
Contractor Pmts for Capital Asset Proj	\$	176,770.40	
Current Expense		1,930,407.35	
Employee Benefits		2,279,202.05	
Equipment		702,888.31	
PEIA Reserve Transfer		14,027.89	
Personal Services		6,571,829.99	
Repairs and Alterations		<u>108,328.50</u>	
TOTAL	\$	11,783,454.49	
General Revenue Appropriated			2,614,305.45
Special Revenue Non-Appropriated			1,526,079.12
Special Revenue Appropriated			6,565,640.15
Federal Revenue Appropriated	\$	<u>1,077,429.77</u>	
TOTAL LAW ENFORCEMENT			\$ <u><u>11,783,454.49</u></u>

WILDLIFE RESOURCES SECTION

GAME MANAGEMENT			
Building Construction	\$	323.19	
Building Improvements		1,526.36	
Consultant Pmts for Capital Asset Proj		362,327.11	
Contractor Pmts for Capital Asset Proj		845,616.19	
Current Expense		2,018,240.77	
Employee Benefits		1,038,957.54	
Equipment		777,592.31	
Land Improvements		24,502.57	
Land Purchases		7,950,270.00	
Personal Services		3,058,806.46	
Repairs and Alterations		<u>371,053.27</u>	
TOTAL	\$	16,449,215.77	
CAPITAL IMPROVEMENTS			
Building Construction	\$	10,602.48	
Building Improvements		8,329.34	
Consultant Pmts for Capital Asset Proj		466,246.52	
Contractor Pmts for Capital Asset Proj		1,688,940.72	
Current Expense		404,162.90	
Employee Benefits		28,988.91	
Land Improvements		156,284.54	
Land Purchases		1,934,991.00	
Personal Services		221,476.50	
Repairs and Alterations		<u>52,137.17</u>	
TOTAL	\$	4,972,160.08	

ADMINISTRATION

STATEMENT OF DISBURSEMENTS FISCAL YEAR 2018-2019

WILDLIFE RESOURCES SECTION

COLD WATER FISH MANAGEMENT

Consultant Pmts for Capital Asset Proj	\$	276,000.00
Current Expense		1,145,662.00
Employee Benefits		445,616.69
Equipment		35,798.60
Personal Services		1,175,077.90
Repairs and Alterations		<u>120,178.49</u>

TOTAL \$ 3,198,333.68

WILDLIFE ADMINISTRATION

Consultant Pmts for Capital Asset Proj	\$	109,500.00
Contractor Pmts for Capital Asset Proj		3,053,548.47
Current Expense		1,924,126.15
Employee Benefits		323,785.80
Equipment		40,179.25
Land Improvements		750,000.00
Land Purchases		1,875,230.01
Personal Services		832,123.72
Repairs and Alterations		<u>10,071.40</u>

TOTAL \$ 8,918,564.80

WARM WATER FISH MANAGEMENT

Consultant Pmts for Capital Asset Proj	\$	139,817.46
Contractor Pmts for Capital Asset Proj		295,309.61
Current Expense		780,647.58
Employee Benefits		417,225.12
Equipment		73,622.25
Land Improvements		5,810.85
Personal Services		1,161,220.63
Repairs and Alterations		<u>110,564.85</u>

TOTAL \$ 2,984,218.35

TECHNICAL SUPPORT

Current Expense	\$	190,482.65
Employee Benefits		152,104.56
Personal Services		<u>367,267.67</u>

TOTAL \$ 709,854.88

SPECIAL PROJECTS

Current Expense	\$	116,883.42
Employee Benefits		83,246.44
Equipment		33,525.75
Personal Services		292,706.58
Repairs and Alterations		<u>77,703.57</u>

TOTAL \$ 604,065.76

ADMINISTRATION

STATEMENT OF DISBURSEMENTS FISCAL YEAR 2018-2019

WILDLIFE RESOURCES SECTION

WILDLIFE DIVERSITY			
Current Expense	\$	323,725.63	
Employee Benefits		300,985.66	
Equipment		339.39	
PEIA Reserve Transfer		1,595.24	
Personal Services		1,005,883.00	
Repairs and Alterations		<u>2,202.72</u>	
TOTAL	\$	<u>1,634,731.64</u>	
HUNTING & FISHING LICENSE UNIT			
Current Expense	\$	285,617.34	
Employee Benefits		67,035.04	
Personal Services		<u>163,492.60</u>	
TOTAL	\$	<u>516,144.98</u>	
ELKINS OPERATIONS CENTER			
Current Expense	\$	200,073.57	
Employee Benefits		52,090.17	
Personal Services		84,120.60	
Repairs and Alterations		<u>19,686.37</u>	
TOTAL	\$	<u>355,970.71</u>	
WEST VIRGINIA WILDLIFE CENTER			
Contractor Pmts for Capital Asset Proj	\$	51,000.00	
Current Expense		68,771.17	
Employee Benefits		74,306.53	
Personal Services		261,625.99	
Repairs and Alterations		<u>15,953.27</u>	
TOTAL	\$	<u>471,656.96</u>	
General Revenue Appropriated			95,115.41
Special Revenue Non-Appropriated			14,964,747.46
Special Revenue Appropriated			9,148,857.34
Federal Revenue Appropriated	\$	<u>16,606,197.40</u>	
TOTAL WILDLIFE RESOURCES			\$ <u><u>40,814,917.61</u></u>

ADMINISTRATION

STATEMENT OF DISBURSEMENTS FISCAL YEAR 2018-2019

PARKS & RECREATION SECTION

PARKS & RECREATION

Consultant Pmts for Capital Asset Proj	\$	61,352.77		
Contractor Pmts for Capital Asset Proj		3,094,614.36		
Current Expense		17,228,611.91		
Employee Benefits		5,837,559.11		
Equipment		310,155.21		
PEIA Reserve Transfer		94,620.62		
Personal Services		19,611,095.57		
Repairs and Alterations		<u>2,567,311.33</u>		
TOTAL	\$	48,805,320.88		
General Revenue Appropriated	\$		14,480,029.54	
Special Revenue Non-Appropriated			28,231,961.89	
Special Revenue Appropriated			6,093,329.45	
Federal Revenue Appropriated			<u>-</u>	
TOTAL PARKS & RECREATION				\$ <u><u>48,805,320.88</u></u>

SPECIAL PROGRAMS & SERVICES SECTION

OFFICE OF LAND & STREAMS

Consultant Pmts for Capital Asset Proj	\$	142,157.11		
Contractor Pmts for Capital Asset Proj		220,008.00		
Current Expense		131,269.08		
Employee Benefits		52,583.16		
Equipment		30.66		
Land Purchases		205,403.77		
PEIA Reserve Transfer		1,087.63		
Personal Services		<u>172,080.82</u>		
TOTAL	\$	924,620.23		
General Revenue Appropriated	\$		-	
Special Revenue Non-Appropriated			6,506.31	
Special Revenue Appropriated			918,113.92	
Federal Revenue Appropriated			<u>-</u>	
TOTAL SPECIAL PROGRAMS & SERVICES				\$ <u><u>924,620.23</u></u>
Grand Total General Revenue Appropriated	\$		19,858,917.47	
Grand Total Special Revenue Non-Appropriated			50,311,530.66	
Grand Total Special Revenue Appropriated			23,972,486.47	
Grand Total Federal Revenue Appropriated			<u>17,778,770.13</u>	

GRAND TOTAL DISBURSEMENTS

\$ 111,921,704.73

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

APPROPRIATED FUNDS

GENERAL FUND (0265)

Appropriated Fund - No Cash Balance

Disbursements

Personal Services	\$	(14,212,843.60)	
Employee Benefits		(4,035,201.10)	
Current Expense		(569,273.68)	
Repairs and Alterations		(40,299.68)	
Equipment		(32,568.87)	
Contractor Pmts for Capital Asset Proj		(269,489.63)	
Consultant Pmts for Capital Asset Proj		(6,235.09)	
PEIA Reserve Transfer		(103,440.87)	
WV OPEB Contribution		(589,564.95)	
Total Disbursements			\$ <u>(19,858,917.47)</u>

SPECIAL REVENUE LICENSE FUND (3200)

Cash Balance July 1, 2018 \$ 736,242.48

Investment Balance July 1, 2018 8,471,247.90

BEGINNING FUND BALANCE \$ 9,207,490.38

Receipts

Animal Replacement Costs	\$	40,116.00	
Stale-Dated Check Refunds		92,181.34	
Hunting & Fishing Licenses and Stamps		11,478,279.80	
Investment Earnings		204,360.57	
Miscellaneous Permits and License		4,521.00	
Miscellaneous Collections		4,040.10	
Surplus Property Sale		36,549.61	
Fund Transfers		3,782,472.00	
Gifts, Grants & Donations		62.00	
Insurance Claim		2,145.30	
Total Receipts			\$ 15,644,727.72

Disbursements

Personal Services	\$	(6,002,749.37)	
Employee Benefits		(1,938,574.24)	
Current Expense		(4,258,151.34)	
Repairs and Alterations		(472,270.80)	
Equipment		(682,229.04)	
Building Improvements		(6,005.24)	
Land Improvements		(6,184.35)	
2019 Capital Improvements		(1,787,821.74)	
Contractor Pmts for Capital Asset Proj		(575,865.90)	
WV OPEB Contribution		(243,855.20)	
Less Total Disbursements			\$ <u>(15,973,707.22)</u>

ENDING FUND BALANCE \$ 8,878,510.88

Less - Investment Balance June 30, 2019 (8,523,641.07)

Cash Balance June 30, 2019 \$ 354,869.81

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

APPROPRIATED FUNDS

GAME, FISH AND AQUATIC LIFE FUND (3202)

Cash Balance July 1, 2018		\$	42,383.62
Investment Balance July 1, 2018			<u>562,115.87</u>
BEGINNING FUND BALANCE		\$	604,499.49
Receipts			
Investment Earnings	\$	13,815.14	
Fish Kill Reimbursement		<u>634.76</u>	
Plus Total Receipts			\$ 14,449.90
Disbursements			
Current Expense		<u>(11,998.22)</u>	
Less Total Disbursements			<u>(417.42)</u>
ENDING FUND BALANCE		\$	618,531.97
Less - Investment Balance June 30, 2019			<u>(617,931.01)</u>
Cash Balance June 30, 2019		\$	<u><u>600.96</u></u>

WILDLIFE DIVERSITY FUND (3203)

Cash Balance July 1, 2018		\$	141,491.67
Investment Balance July 1, 2018			<u>1,399,265.35</u>
BEGINNING FUND BALANCE		\$	1,540,757.02
Receipts			
Investment Earnings	\$	35,488.71	
Miscellaneous Collections		502.64	
Sale of Booklets		1,632.08	
Sale of Wildlife Calendars		110,285.42	
Sale of Wildlife License Plates		303,603.83	
Special Events		4,084.92	
Administrative Settlement		10,974.19	
Gifts, Grants & Donations		<u>25,011.00</u>	
Plus Total Receipts			\$ 491,582.79
Disbursements			
Personal Services	\$	(250,228.66)	
Employee Benefits		(37,987.15)	
Current Expense		(104,316.86)	
WV OPEB Contribution		<u>(2,196.00)</u>	
Less Total Disbursements			<u>(394,728.67)</u>
ENDING FUND BALANCE		\$	1,637,611.14
Less - Investment Balance June 30, 2019			<u>(1,552,272.06)</u>
Cash Balance June 30, 2019		\$	<u><u>85,339.08</u></u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

APPROPRIATED FUNDS

USE & DEVELOPMENT FUND - PUBLIC LAND CORPORATION (3205)

Cash Balance July 1, 2018		\$	6,024,769.78
Receipts			
Channel Changes	\$	800.00	
Docking Facilities		9,300.00	
Low Water Fords		32,700.00	
Low Water Level Bridges		249,081.11	
Miscellaneous Collections		631.96	
Permits		36,587.50	
Pipeline Permits		560,190.00	
Right of Way		26,165.00	
Sand/Gravel ATE Management		4,200.00	
Oil and Gas Royalties		6,435.78	
Oil & Gas Leases		2,089.96	
Sand and Gravel Royalties		113,033.25	
Stream Restoration		36,000.00	
Structures		679,300.00	
Subterranean Cable Permit Renewal		101,475.00	
Water Intake Supply System		8,600.00	
Plus Total Receipts			\$ 1,866,589.56
Disbursements			
Personal Services	\$	(111,973.15)	
Employee Benefits		(28,761.42)	
Current Expense		(129,933.34)	
Equipment		(30.66)	
PEIA Reserve Transfer		(1,087.63)	
WV OPEB Contribution		(5,309.90)	
Contractor Pmts for Capital Asset Proj		(214,287.43)	
Consultant Pmts for Capital Asset Proj		(142,157.11)	
Land Purchases		(205,403.77)	
Less Total Disbursements			(838,944.41)
Cash Balance June 30, 2019		\$	<u><u>7,052,414.93</u></u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

APPROPRIATED FUNDS

WHITEWATER STUDY AND IMPROVEMENT FUND (3253)

Cash Balance July 1, 2018		\$	2,901.28
Investment Balance July 1, 2018			<u>108,941.65</u>
BEGINNING FUND BALANCE		\$	111,842.93
Receipts			
Investment Earnings	\$	2,644.99	
Miscellaneous Collections		16,222.50	
Study and Improvement Fees		6,125.35	
Whitewater Stocking Study Fee-Gauley River		<u>29,614.10</u>	
Plus Total Receipts			\$ 54,606.94
Disbursements			
Personal Services	\$	(25,944.89)	
Employee Benefits		(10,293.86)	
Current Expense		(9,674.89)	
PEIA Reserve Transfer		(260.10)	
WV OPEB Contribution		<u>(2,196.00)</u>	
Less Total Disbursements			<u>(48,369.74)</u>
ENDING FUND BALANCE		\$	118,080.13
Less - Investment Balance June 30, 2019			<u>(114,586.64)</u>
Cash Balance June 30, 2019		\$	<u><u>3,493.49</u></u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

APPROPRIATED FUNDS

DIVISION OF NATURAL RESOURCES LOTTERY FUND (3267)

Cash Balance July 1, 2018		\$	1,766,935.16
Receipts			
Lottery Transfers	\$	3,196,301.00	
Surplus Property Sale		<u>(699.00)</u>	
Plus Total Receipts			\$ 3,195,602.00
Disbursements			
Personal Services	\$	(1,767,281.45)	
Employee Benefits		(508,587.28)	
Current Expense		(806,729.24)	
PEIA Reserve Transfer		(13,795.87)	
Repairs and Alterations		(1,789.28)	
Equipment		(339.39)	
Contractor Pmts for Capital Asset Proj		(190,121.04)	
WV OPEB Contribution		<u>(81,819.00)</u>	
Less Total Disbursements			<u>(3,370,462.55)</u>
Cash Balance June 30, 2019			\$ <u><u>1,592,074.61</u></u>

STATE PARK IMPROVEMENT FUND (3277)

Cash Balance July 1, 2018		\$	7,930,711.67
BEGINNING FUND BALANCE			
Receipts			
Lottery Transfers	\$	5,000,000.00	
FEMA North Bend Trail		26,105.63	
Surplus Property Sale		<u>3,365.50</u>	
Plus Total Receipts			\$ 5,029,471.13
Disbursements			
Current Expense	\$	(853,947.75)	
Repairs and Alterations		(2,088,677.83)	
Equipment		(233,349.46)	
Contractor Pmts for Capital Asset Proj		(286,540.25)	
Consultant Pmts for Capital Asset Proj		<u>116,658.83</u>	
Less Total Disbursements			<u>(3,345,856.46)</u>
Cash Balance June 30, 2019			\$ <u><u>9,614,326.34</u></u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

APPROPRIATED FUNDS

CONSOLIDATED FEDERAL FUND (8707)

Cash Balance July 1, 2018		\$	3,392,995.38
Investment Balance July 1, 2018			<u>8,324,278.48</u>
BEGINNING FUND BALANCE		\$	11,717,273.86
Receipts			
Law Enforcement			
Boating Safety	\$	452,495.00	
Duplicate Boat Safety Cards		150.00	
Hunter Safety Replacement Cards		8,040.00	
Hunter Safety		662,032.47	
Port Security Grant FEMA Law Enforcement		72,568.00	
Surplus Property Sale		8,547.50	<u>1,203,832.97</u>
Wildlife Resources			
Aquatic Outreach Program	\$	47,335.30	
Asian Carp FW Service		9,642.96	
Avian & Mammal Surveys		89,024.70	
Boating Access Administration		581,250.00	
Boating Access Grant		41,901.11	
Cooperative Agreement		1,123.89	
District Wildlife Management		4,584,603.88	
Elk Tour Tickets		4,580.18	
Endangered Animals		109,288.86	
Enhancing Fishery Opportunity Program		351,227.34	
Fish Database		97.14	
Fish Hatchery Operations		1,924,191.40	
Fish Population and Association Study		69,685.47	
Fish and Wildlife Coordination		187,256.44	
Investment Earnings		215,224.86	
Land Purchase		4,822,500.00	
Mississippi Interstate Cooperative		25,041.00	
National Park Service Vegetation Mapping		4,227.52	
Palatine Park		32,438.16	
State Wildlife Grant		540,798.00	
Special Events		100.00	
USDA Monongahela Nat. Forest Schools		56,603.87	
USDP AG NRCS Wildlife Hbt Inc		26,732.93	
Wetlands Development Grant		20,939.23	
Wildlife Research		954,697.03	<u>14,700,511.27</u>
Plus Total Receipts			\$ 15,904,344.24

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

APPROPRIATED FUNDS

CONSOLIDATED FEDERAL FUND (8707)

Disbursements			
Personal Services	\$	(3,746,716.93)	
Employee Benefits		(1,100,204.88)	
Current Expense		(3,860,220.53)	
Repairs and Alterations		(180,489.14)	
Equipment		(326,154.04)	
Contractor Pmts for Capital Asset Proj		(844,542.84)	
Consultant Pmts for Capital Asset Proj		(276,000.00)	
Land Purchases		(7,312,734.00)	
WV OPEB Contribution		<u>(131,707.77)</u>	
Less Total Disbursements			\$ <u>(17,778,770.13)</u>
ENDING FUND BALANCE			\$ 9,842,847.97
Less - Investment Balance June 30, 2019			<u>(9,363,215.12)</u>
Cash Balance June 30, 2019			\$ <u><u>479,632.85</u></u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

NON-APPROPRIATED FUNDS

LAW ENFORCEMENT PROGRAM FUND (3204)

Cash Balance July 1, 2018		\$	399,112.67
Investment Balance July 1, 2018			<u>4,432,554.62</u>
BEGINNING FUND BALANCE		\$	4,831,667.29
Receipts			
Employee Reimbursement	\$		207.99
Hatfield McCoy Trail Patrol Reimbursement			270,404.69
Fund Transfers			189,098.00
Investment Earnings			105,431.01
License Reinstatement Fee			4,300.00
Miscellaneous Collections			12,015.69
Miscellaneous Permits			3,600.00
Motorboat Licenses			67,159.50
Surplus Property Sale			400.00
Tipping Fees			595,240.17
Vehicle Reimbursement			35,599.74
Whitewater Rafting Licenses			<u>31,250.00</u>
Plus Total Receipts		\$	1,314,706.79
Disbursements			
Personal Services	\$	(730,236.60)	
Employee Benefits		(339,814.83)	
Current Expense		(41,812.37)	
Repairs and Alterations		(1,241.65)	
WV OPEB Contribution		<u>(39,591.58)</u>	
Less Total Disbursements		\$	<u>(1,152,697.03)</u>
ENDING FUND BALANCE		\$	4,993,677.05
Less - Investment Balance June 30, 2019			<u>(4,807,894.63)</u>
Cash Balance June 30, 2019		\$	<u>185,782.42</u>

LAW ENFORCEMENT CONTRACTS (3208)

Cash Balance July 1, 2018		\$	6,853.65
Receipts			
Hinton Boat Race Patrol			<u>0.00</u>
Plus Total Receipts		\$	0.00
Disbursements			
Current Expense			<u>(89.50)</u>
Less Total Disbursements		\$	<u>(89.50)</u>
Cash Balance June 30, 2019		\$	<u>6,764.15</u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

NON-APPROPRIATED FUNDS

WILDLIFE ENDOWMENT FUND (3224)

Cash Balance July 1, 2018		\$	1,658,860.63
Investment Balance July 1, 2018			<u>63,573,958.61</u>
BEGINNING FUND BALANCE		\$	65,232,819.24
Receipts			
Investment Earnings	\$	1,198,771.38	
Lifetime Hunting & Fishing License		820,381.00	
Miscellaneous Collections		25.00	
Right-of-Way		<u>193,378.08</u>	
Plus Total Receipts			\$ 2,212,555.46
Disbursements			
Fund Transfers		<u>(5,173,892.00)</u>	
Current Expense		<u>(75.00)</u>	
Less Total Disbursements			\$ (5,173,967.00)
ENDING FUND BALANCE		\$	<u>62,271,407.70</u>
Less - Investment Balance June 30, 2019			<u>(62,270,200.20)</u>
Cash Balance June 30, 2019		\$	<u><u>1,207.50</u></u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

NON-APPROPRIATED FUNDS

WILDLIFE RESOURCES-RECREATION FUND (3227)

Cash Balance July 1, 2018		\$	9,564,456.72
Investment Balance July 1, 2018			<u>24,214,825.31</u>
BEGINNING FUND BALANCE		\$	33,779,282.03
Receipts			
AML DEP Subgrant Wildlife	\$	25,500.00	
Bonus Payment Marcellus Gas Drilling		1,558,138.01	
Campsite Rentals		18,804.88	
Coal Royalties		22.60	
Entrance Fees		81,343.50	
Gas Royalties		113,609.90	
Gift Shop Sales		2,253.80	
Gifts & Bequests		48,417.93	
Gifts, Grants & Donations		2,550.00	
Go-Wild Hunting & Fishing License Issuance Fee		248,630.00	
Grant Award		7,597.00	
Habitat Land Inquiries		16,200.00	
Hunters Helping the Hungry		9,497.01	
Information Retrieval		25,500.00	
Investment Earnings		808,951.93	
Leases		3,400.00	
Limestone Treatment Donation		9,799.79	
Miscellaneous Collections		(877.04)	
Fund Transfers		(21,493.27)	
Mitigation Wildlife		216,688.33	
Oil Royalties		38,979.72	
Outdoor Heritage Conservation		50,000.00	
Performance Bond Forfeitures		7,500.00	
Picnic Shelter Fees		1,518.92	
Right Of Way		2,677,570.07	
Royalty Payment Marcellus Gas Drilling		7,248,973.52	
Scientific Collection Permit		50,625.00	
Stale-Dated Check Refunds		56,207.20	
Surface Damages		74,358.61	
Surplus Property Sales		4,619.39	
Timber Sales		773,595.88	
Wheelage Fees		3,461.76	
Wildlife Cooperative Agreements		134,076.74	
Fund Transfers		1,074,514.00	
Wildlife Special Events		<u>4,376.00</u>	
Plus Total Receipts			\$ 15,374,911.18

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

NON-APPROPRIATED FUNDS

WILDLIFE RESOURCES-RECREATION FUND (3227)

Disbursements			
Personal Services	\$	(970,685.76)	
Employee Benefits		(265,908.93)	
Current Expense		(1,252,055.65)	
Repairs and Alterations		(186,932.42)	
Equipment		(632,917.10)	
Contractor Pmts for Capital Asset Proj		(3,187,490.08)	
Consultant Pmts for Capital Asset Proj		(611,644.57)	
Land Improvements		(774,129.07)	
Land Purchases		(2,462,766.01)	
Building Improvements		(162.74)	
Building Construction		(323.19)	
WV OPEB Contribution		(37,231.50)	
Less Total Disbursements			\$ (10,382,247.02)
ENDING FUND BALANCE			\$ 38,771,946.19
Less - Investment Balance June 30, 2019			(38,660,045.09)
Cash Balance June 30, 2019			<u>\$ 111,901.10</u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

NON-APPROPRIATED FUNDS

BEAR DAMAGE FUND (3228)

Cash Balance July 1, 2018		\$	80,155.11
Investment Balance July 1, 2018			<u>427,717.89</u>
BEGINNING FUND BALANCE		\$	507,873.00
Receipts			
Bear Damage Stamps	\$	267,296.50	
Investment Earnings		<u>12,440.79</u>	
Plus Total Receipts			\$ 279,737.29
Disbursements			
Current Expense		(141,973.12)	
Less Total Disbursements			<u>(141,973.12)</u>
ENDING FUND BALANCE		\$	645,637.17
Less - Investment Balance June 30, 2019			<u>(610,158.68)</u>
Cash Balance June 30, 2019		\$	<u><u>35,478.49</u></u>

WILDLIFE RESOURCES CONTRACTS FUND (3229)

Cash Balance July 1, 2018		\$	209.97
Investment Balance July 1, 2018			<u>0.00</u>
BEGINNING FUND BALANCE		\$	209.97
Receipts			
Fund Transfers	\$	37,668.27	
Surplus Property Sale		<u>300.00</u>	
Plus Total Receipts			\$ 37,968.27
Disbursements			
Current Expense	\$	(5,104.26)	
Contractor Pmts for Capital Asset Proj		<u>(32,515.21)</u>	
Less Total Disbursements			\$ <u>(37,619.47)</u>
ENDING FUND BALANCE		\$	558.77
Less - Investment Balance June 30, 2019			<u>0.00</u>
Cash Balance June 30, 2019		\$	<u><u>558.77</u></u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

NON-APPROPRIATED FUNDS

CONSERVATION STAMP FUND (3232)

Cash Balance July 1, 2018		\$	482,199.38
Investment Balance July 1, 2018			<u>3,714,510.34</u>
BEGINNING FUND BALANCE		\$	4,196,709.72
Receipts			
Conservation Stamp Sales	\$	1,304,880.62	
Investment Earnings		<u>97,448.41</u>	
Plus Total Receipts			\$ 1,402,329.03
Disbursements			
Personal Services	\$	(134,604.73)	
Employee Benefits		(13,881.91)	
Current Expense		(183,083.93)	
Repairs and Alterations		(170.82)	
Land Purchases		<u>(1,984,991.00)</u>	
Less Total Disbursements			\$ <u>(2,316,732.39)</u>
ENDING FUND BALANCE		\$	3,282,306.36
Less - Investment Balance June 30, 2019			<u>(2,975,800.75)</u>
Cash Balance June 30, 2019		\$	<u><u>306,505.61</u></u>

TROUT STAMP FUND (3233)

Cash Balance July 1, 2018		\$	555,262.44
Investment Balance July 1, 2018			<u>1,291,261.03</u>
BEGINNING FUND BALANCE		\$	1,846,523.47
Receipts			
Investment Earnings	\$	25,319.63	
Trout Stamp Sales		1,225,176.63	
Fund Transfers		<u>127,808.00</u>	
Plus Total Receipts			\$ 1,378,304.26
Disbursements			
Personal Services	\$	(1,013,811.56)	
Employee Benefits		(376,399.80)	
Current Expense		(14,073.12)	
WV OPEB Contribution		(54,442.50)	
Contractor Pmts for Capital Asset Proj		<u>(626,373.48)</u>	
Less Total Disbursements			\$ <u>(2,085,100.46)</u>
ENDING FUND BALANCE		\$	1,139,727.27
Less - Investment Balance June 30, 2019			<u>(848,703.66)</u>
Cash Balance June 30, 2019		\$	<u><u>291,023.61</u></u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

NON-APPROPRIATED FUNDS

GIFTS, GRANTS & BEQUESTS (3237)

Cash Balance July 1, 2018		\$	62,464.24
Receipts			
Special Events	\$	48,795.67	
Miscellaneous Collections		<u>1.68</u>	
Plus Total Receipts			\$ 48,797.35
Disbursements			
Current Expense		(71,601.40)	
Less Total Disbursements			<u>(71,601.40)</u>
Cash Balance June 30, 2019			<u><u>\$ 39,660.19</u></u>

LAND MINERALS AND SPECIAL PROJECTS (3239)

Cash Balance July 1, 2018		\$	800,696.43
Receipts			
Land Leases	\$	24,484.87	
Real Estate Taxes		47,702.21	
Rental Leases		3,700.00	
Right-of-Way		<u>24,877.00</u>	
Plus Total Receipts			\$ 100,764.08
Disbursements			
Current Expense		(785.74)	
Contractor Pmts for Capital Asset Proj		(5,720.57)	
Less Total Disbursements			<u>(6,506.31)</u>
Cash Balance June 30, 2019			<u><u>\$ 894,954.20</u></u>

PAYROLL CLEARING ACCOUNT (3245)

Cash Balance July 1, 2018		\$	12,067.80
Receipts			
Miscellaneous Collections		<u>0.00</u>	
Plus Total Receipts			\$ 0.00
Disbursements			
Employee Benefits		<u>0.00</u>	
Less Total Disbursements			<u>\$ 0.00</u>
Cash Balance June 30, 2019			<u><u>\$ 12,067.80</u></u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

NON-APPROPRIATED FUNDS

LAW ENFORCEMENT AND SPORTS EDUCATION STAMPS (3247)

Cash Balance July 1, 2018		\$	106,465.15
Investment Balance July 1, 2018			<u>308,256.41</u>
BEGINNING FUND BALANCE		\$	414,721.56
Receipts			
Law Enforcement / Sports Ed. Stamps	\$	385,292.76	
Investment Earnings		<u>8,037.50</u>	
Plus Total Receipts			\$ 393,330.26
Disbursements			
Personal Services	\$	(276,565.86)	
Employee Benefits		(86,239.18)	
Current Expense		(1,730.87)	
WV OPEB Contribution		<u>(8,756.68)</u>	
Less Total Disbursements			\$ <u>(373,292.59)</u>
ENDING FUND BALANCE		\$	434,759.23
Less - Investment Balance June 30, 2019			<u>(353,213.91)</u>
Cash Balance June 30, 2019		\$	<u><u>81,545.32</u></u>

MAGAZINE SALES & SUBSCRIPTIONS (3248)

Cash Balance July 1, 2018		\$	77,505.49
Investment Balance July 1, 2018			<u>619,867.01</u>
BEGINNING FUND BALANCE		\$	697,372.50
Receipts			
Investment Earnings	\$	16,187.88	
Magazine Sponsorship		20,124.00	
Magazine Bookshelf Sales		2,831.34	
Magazine Sales		37,690.00	
Magazine Subscriptions		324,666.00	
Miscellaneous Collections		<u>50.00</u>	
Plus Total Receipts			\$ 401,549.22
Disbursements			
Current Expense		(322,510.86)	
Less Total Disbursements			\$ <u>(322,510.86)</u>
ENDING FUND BALANCE		\$	776,410.86
Less - Investment Balance June 30, 2019			<u>(746,054.89)</u>
Cash Balance June 30, 2019		\$	<u><u>30,355.97</u></u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

NON-APPROPRIATED FUNDS

CLEARING ACCOUNT-EQUIPMENT (3251)

Cash Balance July 1, 2018		\$	301,434.77
Receipts			
Rental Leases	880.00		
Plus Total Receipts			880.00
Disbursements			
Current Expense	(14,231.62)		
Less Total Disbursements		\$	(14,231.62)
Cash Balance June 30, 2019		\$	<u>288,083.15</u>

CLASS A-1 SMALL ARMS HUNTING LICENSE (3259)

Cash Balance July 1, 2018		\$	42,074.47
Investment Balance July 1, 2018			759,214.80
BEGINNING FUND BALANCE		\$	<u>801,289.27</u>
Receipts			
Class A-1 Small Arms Hunting License	\$ 54,567.49		
Lifetime Small Arms Hunting License	3,075.00		
Investment Earnings	18,886.29		
Plus Total Receipts		\$	76,528.78
Disbursements			
Equipment	0.00		
Less Total Disbursements		\$	0.00
ENDING FUND BALANCE		\$	<u>877,818.05</u>
Less - Investment Balance June 30, 2019			(874,101.09)
Cash Balance June 30, 2019		\$	<u>3,716.96</u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

NON-APPROPRIATED FUNDS

WATTERS SMITH MEMORIAL STATE PARK (3261)

Cash Balance July 1, 2018		\$	164,255.59
Investment Balance July 1, 2018			<u>614,826.73</u>
BEGINNING FUND BALANCE		\$	779,082.32
Receipts			
Gas Royalties	\$	181,483.38	
Investment Earnings		17,831.10	
Oil & Gas Lease		<u>1,894.16</u>	
Plus Total Receipts			\$ 201,208.64
Disbursements			
Current Expense	\$	(12,373.27)	
Repairs and Alterations		<u>(39,526.13)</u>	
Less Total Disbursements			\$ (51,899.40)
ENDING FUND BALANCE		\$	<u>928,391.56</u>
Less - Investment Balance June 30, 2019			<u>(919,985.76)</u>
Cash Balance June 30, 2019		\$	<u><u>8,405.80</u></u>

DECOY ANIMALS ASSESSMENT FEE (3264)

Cash Balance July 1, 2018		\$	1,065.06
Investment Balance July 1, 2018			<u>4,754.39</u>
BEGINNING FUND BALANCE		\$	5,819.45
Receipts			
Decoy Animal Assessment Fee	\$	200.00	
Investment Earnings		<u>115.33</u>	
Plus Total Receipts			\$ 315.33
Disbursements			
Current Expense	\$	<u>0.00</u>	
Less Total Disbursements			\$ 0.00
ENDING FUND BALANCE		\$	<u>6,134.78</u>
Less - Investment Balance June 30, 2019			<u>(5,369.72)</u>
Cash Balance June 30, 2019		\$	<u><u>765.06</u></u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

NON-APPROPRIATED FUNDS

STATE PARK OPERATING FUND (3265)

Cash Balance July 1, 2018		\$	4,008,661.76
Investment Balance July 1, 2018			<u>7,936,104.85</u>
BEGINNING FUND BALANCE		\$	11,944,766.61
Receipts			
Atlantic Coast Pipeline Mitigation Seneca SF	\$		180,500.00
Bath / Massages			539,144.85
Bicycle Rental			3,287.10
Boat Charters			6,936.35
Boat Rental			85,073.23
Bonus Payment Marcellus Gas Drilling			2,591,369.53
Cabin Advance Reservation			3,711,519.82
Cabin Rentals			1,028,801.26
Campsite Advance Reservation			1,318,129.11
Campsite Rentals			1,217,691.96
Coin Laundry Machines			9,333.07
Consumers Sales Tax			(32,165.02)
Cot & Crib Rental			8,649.73
Driving Range			16,171.14
Entrance Fees			256,594.49
Equipment Rental			12,040.87
Facility Use Rental			164,991.31
Firewood Sales			139,041.40
Food & Snacks			351,531.37
Games			4,452.69
Gas Royalties			1,843.30
Gift Cards			10,297.10
Gift Shop Sales			2,479,019.81
Greens Fees			431,799.94
Group Camps			34,977.43
Hotel Occupancy Tax			754,552.11
Insurance Payments			95,821.21
Investment Earnings			261,827.97
Lift Ticket Fees Parks			186,051.74
Lodge Advance Reservation			3,823,591.69
Lodge Rooms			3,049,735.90
Lottery Collections - Net			8,246.63
Magazine Sales			217.17
Miniature Golf			28,781.72
Miscellaneous Collections			314,250.05
Miscellaneous Non-Taxable			21,946.49
Miscellaneous Taxable			10.00
Picnic Shelter Fees			232,312.79
Pro Shop			114,849.07
Purchasing Card Rebate			831,766.17
Residence Rentals			21,521.15
Restaurants			2,869,231.66

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

NON-APPROPRIATED FUNDS

STATE PARK OPERATING FUND (3265)

Roman Bath	116,255.89		
Royalty Payment Marcellus Gas Drilling	2,897,756.90		
Shooting Ranges	24,672.25		
Special Events	51,989.09		
Surplus Property Sale	555.00		
Swimming Fees	386,360.60		
Tram	166,723.24		
Vending Machines	22,087.05		
Wine Tax	30.91	\$	<u>30,852,176.29</u>
Receipts - Concessions			
Boat Dock Concession	15,389.75		
Coin Machine Concession	8,191.25		
Food and Snacks Concession	28,135.95		
Golf Carts	156,686.31		
Marina	6,894.11		
Miscellaneous Concession	281,547.97		
Restaurant Concession	10,927.81		
Riding Stable	8,530.10		
Zip Line Ticket Sales	<u>1,374.31</u>	\$	<u>517,677.56</u>
Plus Total Receipts			\$ <u>31,369,853.85</u>
Disbursements			
Personal Services	\$ (7,574,458.65)		
Employee Benefits	(1,704,153.19)		
Current Expense	(14,604,025.93)		
Repairs and Alterations	(407,176.62)		
Equipment	(70,951.75)		
Remittance Of Taxes	(749,261.25)		
Bank Costs	(393,516.69)		
PEIA Reserve Transfer	(10,681.53)		
Contractor Pmts for Capital Asset Proj	(2,300,832.44)		
Consultant Pmts for Capital Asset Proj	(171,776.51)		
WV OPEB Contribution	<u>(145,597.87)</u>		
Less Total Disbursements			\$ <u>(28,132,432.43)</u>
ENDING FUND BALANCE			\$ <u>15,182,188.03</u>
Less - Investment Balance June 30, 2019			<u>(11,684,956.66)</u>
Cash Balance June 30, 2019			\$ <u><u>3,497,231.37</u></u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

NON-APPROPRIATED FUNDS

CANAAN MAINTENANCE FUND (3274)

Cash Balance July 1, 2018		\$	17,234.14
Receipts			
Maintenance Transfer from Operating Fund	0.00		
Plus Total Receipts			0.00
Disbursements			
Current Expense	0.00		
Less Total Disbursements		\$	0.00
Cash Balance June 30, 2019		\$	<u>17,234.14</u>

COYOTE MANAGEMENT FUND (3292)

Cash Balance July 1, 2018		\$	996.68
Investment Balance July 1, 2018			<u>10,244.74</u>
Beginning Fund Balance		\$	11,241.42
Receipts			
Coyote Management Donations	\$ 2,440.00		
Investment Earnings	<u>246.48</u>		
Plus Total Receipts			2,686.48
Disbursements			
Current Expense	<u>(1,000.00)</u>		
Less Total Disbursements		\$	<u>(1,000.00)</u>
ENDING FUND BALANCE		\$	12,927.90
Less - Investment Balance June 30, 2019			<u>(10,991.22)</u>
Cash Balance June 30, 2019		\$	<u>1,936.68</u>

SANDY DISASTER FUND (3015)

Fund 3015 (OCT '12 SANDY DISASTER)		\$	72,273.18
Cash Balance July 1, 2018			
Receipts			
FEMA Holly River & Canaan Valley	<u>163,895.23</u>		
Plus Total Receipts		\$	163,895.23
Disbursements			
Fund 3015 Contractor Pmts for Capital Asset Proj	<u>(47,631.00)</u>		
Less Total Disbursements		\$	<u>(47,631.00)</u>
Sandy Disaster Fund Cash Balance June 30, 2019		\$	<u>188,537.41</u>

ADMINISTRATION

COMBINED STATEMENT OF REVENUES, DISBURSEMENTS AND CHANGES IN CASH BALANCES FISCAL YEAR 2018-2019

NON-APPROPRIATED FUNDS

FLOOD DISASTER FUND (3207)

Fund 3207 (JUN '16 FLOOD DISASTER)			
Cash Balance July 1, 2018		\$	0.00
Receipts			
FEMA Greenbrier Trail	100,400.58		
Plus Total Receipts		\$	100,400.58
Disbursements			
Fund 3207 Contractor Pmts for Capital Asset Proj	0.00		
Less Total Disbursements		\$	0.00
Flood Disaster Fund Cash Balance June 30, 2019		\$	<u>100,400.58</u>

RECAPITULATION OF FUNDS

	Revenue	Disbursements	Investment
General Fund	\$ 0.00	\$ (19,858,917.47)	\$ 0.00
Consolidated Federal Funds	15,904,344.24	(17,778,770.13)	9,363,215.12
Appropriated Special Revenue Funds	26,399,221.28	(23,972,486.47)	10,808,430.78
Non-Appropriated Special Revenue Funds	<u>54,758,530.84</u>	<u>(50,311,530.66)</u>	<u>124,767,476.26</u>
TOTAL ALL FUNDS	\$ 97,062,096.36	\$ (111,921,704.73)	\$ 144,939,122.16

WVDNR

OFFICE OF LAND
AND STREAMS

Julia A. Morton, *Supervisor*



OFFICE OF LAND AND STREAMS

Overview

The State of West Virginia, through the Division of Natural Resources, holds title to certain lands and mineral resources, and the rivers and streams of the state. The Division of Natural Resources is charged with administering and managing those certain state lands and mineral resources, and the state's rivers and streams to provide a comprehensive program for their conservation, development, protection, enjoyment and use.

The Office of Land and Streams within the Division of Natural Resources is responsible for the Division of Natural Resources' real estate and is charged with the maintenance, preservation and custody of the records relating thereto. The Office of Land and Streams administers the acquisition and leasing of the Division of Natural Resources' real estate, and the permitting of the State of West Virginia's rivers and streams.

LANDS OF THE DIVISION OF NATURAL RESOURCES

The lands of the Division of Natural Resources that are administered by the Office of Land and Streams include state parks, wildlife management areas, natural areas, wetlands, state forests, trails, administration structures, and public access sites to rivers and streams, which provide recreational areas, are of great natural and/or historical significance, and are for the use and benefit of the citizens of West Virginia and its visitors.

LANDS ADMINISTERED FOR THE DIVISION OF NATURAL RESOURCES

SECTION	ACREAGE
Wildlife Management Areas/ Public Access Sites	420,435.00
State Parks	77,393.00
State Forests	72,683.00
Administration	14.00
TOTAL	570,525.00

WATERS ADMINISTERED FOR THE DIVISION OF NATURAL RESOURCES

SECTION	MILES
Rivers and Streams	34,000*
TOTAL	34,000*

*Including approximately 5,000 named waterways

OFFICE OF LAND AND STREAMS

Land Acquisition

The Office of Land and Streams, on behalf of the State of West Virginia, Department of Commerce, Division of Natural Resources, acquires land and interests in land by purchase, lease, donation and exchange, and is responsible for the preparation and execution of all documents related to the real estate transaction.

The real estate acquisition process includes communication with other Sections within the Division of Natural Resources and other governmental agencies, negotiation with property owners, inspection of property, title searches, obtaining appraisals and surveys, and the preparation, execution and recordation of documents.

Real property is acquired by Deed, right-of-way, easement, lease, license and agreement.

STATE PARK LAND ACQUIRED IN FISCAL YEAR 2019

LAND ACQUISITION

PROPERTY	ACQUIRED FROM	ACREAGE
Babcock State Park	Weyerhaeuser Company	150.08
Cass Scenic Railroad	Tonda L. Cassell	0.17
Cass Scenic Railroad	Vickie Cassell	0.35
Lost River	John A. Knepper, Jr. and Vivian Knepper	227.24
North Bend	Heartwood Forestland Fund IV Limited Partnership	308.63
TOTAL		686.47

OFFICE OF LAND AND STREAMS

WILDLIFE MANAGEMENT LAND ACQUIRED IN FISCAL YEAR 2019

LAND ACQUISITION

PROPERTY	ACQUIRED FROM	ACREAGE
Beury Mountain	Weyerhaeuser Company	1,149.69
Big Ugly	Alan N. Payne	75.00
Chief Cornstalk	Jerry E. Lanier	69.50
Federal Ridge	Heartwood Forestland Fund IV Limited Partnership	1,123.00
Frozen Camp	Heartwood Forestland Fund IV Limited Partnership	787.00
Hilbert	Carol Sue Hilbert	10.00
Hughes River	Heartwood Forestland Fund IV Limited Partnership	6,214.00
Lewis/Wetzel	Carolyn Lloyd, Rosylyn Schamp and Louis E. Bonnell	49.00
Little Canaan	Tucker County Development Authority (less Exchanged Land)	20.59 (27.45)
Little Kanawha	Heartwood Forestland Fund IV Limited Partnership	2,162.00
Ritchie Mines	EIP III West Virginia, LLC	2,155.00
Ritchie Mines	Johnathan James Graham	41.00
Sand Hill	Heartwood Forestland Fund IV Limited Partnership	1,880.00
Shannondale Springs	Charles R. Langdon, Jr., Charles Chwastyk and Adolph M. Chwastyk, Trustee	60.85
Short Mountain	Cacapon and Lost River Trust, Inc.	452.05
Sleepy Creek	Kelly D. Loughry and Thelma Ann Swain	5.00
Tomblin	EIP III West Virginia, LLC	4,323.00
Wallback	John Woodville Carper, Bradford Glen Carper, William Kent Carper, James W. Hill	261.28
TOTAL		20,810.51

OFFICE OF LAND AND STREAMS

PUBLIC ACCESS SITES CREATED IN FISCAL YEAR 2019

LAND ACQUISITION

PROPERTY	ACQUIRED FROM	ACREAGE
Buffalo Creek	City of Wellsburg	0.250
Clover Run	Randall & Robert West	0.400
Forks of Coal	Division of Highways	0.757
Patterson Creek	Mineral County Parks and Recreation	0.400
Route 19	Joshua James Toothman	0.110
TOTAL		1.917

LAND LEASE RENEWALS IN FISCAL YEAR 2019

LAND ACQUISITION

PROPERTY	NUMBER
Wildlife Management Areas And Public Access Sites	17
TOTAL	17

OFFICE OF LAND AND STREAMS

Oil and Gas Leasing

The Office of Land and Streams is responsible for leasing the State's mineral interests in, on and/or underlying state lands, rivers and streams. The State's mineral interests include oil, gas, coal, sand and gravel. At the end of fiscal year 2019, there were 42 Oil and Gas Leases on state lands, rivers and streams.

The leasing process is statutorily required to be done through the competitive bid process. The competitive bid process includes receiving a mineral bid nomination, obtaining approval from the Governor, preparing a Bid Prospectus, receiving a competitive bid, and preparing, executing and recording a Lease Agreement.

OIL AND GAS LEASES OBTAINED IN FISCAL YEAR 2019

OIL AND GAS LEASING

AREA	ACREAGE	NUMBER OF LEASES
Castleman's Run WMA	281	1
Fish Creek	156	1
Middle Island Creek	216.842	13
Ohio River	297	1
The Jug WMA	163.5	2
TOTAL	1,114.342	18

River and Stream Management

The Office of Land and Streams grants governmental agencies, companies and individuals license and right-of-entry permits for crossing rivers and streams, and for work done to the banks of rivers and streams. Licenses and right-of-entry permits are issued for pipelines, stream mitigation, habitat enhancement, bank stabilization, culverts, structures, cables, utility lines, dredging, loading, docking and mooring projects.

The licensing and right-of-entry permit process includes receiving an application, a review of the application by a wildlife biologist, and the preparation and execution of the license and right-of-entry permit.

PERMITS ISSUED IN FISCAL YEAR 2019

RIVER AND STREAM MANAGEMENT

PROJECT	NUMBER
Stream Bed/Bank Work	534
Pipeline and Cable	1,233
Stream Structure	419
Loading, Docking and Mooring	14
TOTAL	2,200



LAW ENFORCEMENT

Jerry B. Jenkins, *Colonel*



Photo Credit: Zack Harold

The Law Enforcement Section is responsible for the prompt, orderly, and effective enforcement of all Chapter 20, Code of West Virginia, laws, and rules promulgated under that authority and protect the citizens of this state. A highly visible, uniformed Natural Resources Police patrol working with the support of sportsmen, DNR Wildlife Resources and Parks and Recreation Sections, federal agencies, and other state agencies enables us to accomplish this mission.

The methods employed by the Section extend beyond traditional law enforcement roles. Natural Resources Police conduct land and water patrols, environmental crimes and complaint investigations, ATV enforcement, boating safety checks, and educates the public on hunting and boating safety. The Section uses its unique capabilities to respond to emergencies and mutual aid requests, coordinate with stakeholders, and inspire and cultivate the next generation of conservationists.

The Section strives to operate efficiently and effectively, while always considering the best interests of the State. The success of the Section and Division depends on the hard work of officers in the field and the office support staff. The Natural Resource Police have a proud history of carrying out their duties with pride, integrity, honor, commitment, accountability, loyalty, courage, team work, dependability and respect. It is an honor to lead this Section, build upon traditions, and embrace the new challenges that lie ahead.

Law Enforcement Program

The WVDNR Law Enforcement Section normally has a staffing level of 126 Natural Resources Police Officers (NRPO) and 11 support personnel. During FY2019, two officers retired, six officers resigned, and four new officers were hired.

Two officers were promoted to NRP Sergeant. One support personnel retired, one support personnel resigned, one support personnel was promoted, and one new support personnel was hired.

The Law Enforcement Section has been actively seeking new and innovative methods for the accomplishment of our overall mission. The following are some of the highlights of the past fiscal year:

- The public and media are following the work done by officers on the WV Natural Resources Police Officer Facebook page. The Facebook page, www.facebook.com/DNRpolice continues to see an increase in media contacts for additional information, state and national. The reporting of wildlife law violations at www.wvdnr.gov/lenforce/poachers.shtm, or 844-I-TIP-DNR, is becoming increasingly more useful.
- In accordance with a bill passed during the Regular Legislative Session, Natural Resources Police Officers were assigned to work the Hatfield-McCoy Regional Recreation Authority effective July 1, 2015. Currently, there is one sergeant and four officers assigned to the Trails system. The Authority reimburses the Section for salaries, benefits, and associated equipment.
- Senate Bill 317 passed, which allows three or more adjacent counties to form a multi-trail network authority for mountain bikes and other similar activities. The program is similar in structure to the Hatfield-McCoy Trails system. This will allow systems to contract NRPOs for Law Enforcement activities.
- The Section continually uses technology to reduce travel and administrative costs. Cellular telephones, desktop/laptop computers, radios, and the internet are used to transmit reports, complaints, and information. SharePoint allows the Section to place its forms in a location that can be accessed by the Districts. Conference calls are used to conduct meetings, boards, and planning sessions to cut down on in-state travel.
- Older equipment such as radios, boats, and vehicles are being cycled out in attempts to avoid costly repair bills that are often found to be short term and repetitive.
- The Section continues to work with federal and state agencies to procure grants to assist with equipment purchases. The hunter education and boating safety grants are monitored to maximize returns from the Section expenditures of time and resources.
- The Section purchased 17 APX8000 dual band radios, with 75% of the cost made available by the Federal Port Authority Grant.

LAW ENFORCEMENT

Officer Training

Natural Resources Police Officers received training in handcuffing and searching, water survivability, swift water rescues static line training, wildlife trafficking and smuggling, waterfowl enforcement, law enforcement investigations utilizing social media, cannabis SFST training, enhanced firearms training, and secondary weapons training. A yearly Seated-Battery refresher for BUI and DUI enforcement occurs for all sworn officers. Some of the courses were instructor-based and will enable us to continually update officers in the respective fields of instruction.

All post-academy Natural Resources Police Officers received training utilizing the Seated-Battery for BUI, DUI apprehension, and ATV patrol certification training.

The Law Enforcement Section Honor Guard/Color Guard continues to attend opening ceremonies, special events, and funerals. This year, the West Virginia Natural Resources Police Officer Honor Guard was again tasked with laying the wreath at the State Law Enforcement Memorial. An article was featured in the magazine, Wonderful West Virginia.

The Law Enforcement Section's Chaplaincy program has six uniformed officers who are available to assist other officers in times of personal need, whether work-related or personal. Advanced crisis management training is scheduled in the future to better serve the needs of agency personnel.



Hunter Education Program

The mandatory West Virginia Hunter Education Program is being featured in more middle schools, resulting in an increase in program participants. During FY18-19, 6,021 students graduated from 437 statewide hunter education classes. The Law Enforcement Section dedicates six Regional Training Sergeants, one Office Assistant III, and one State Coordinator to the Hunter Education Program.

Volunteer Hunter Education instructors continue to provide a great service to the West Virginia Hunter Education Program. More than 184 volunteer instructors drove 34,234 miles and donated 7,459.25 hours to the mandatory program. Natural Resources Police Officers logged 18,351 hours in hunter education and drove 190,610 miles.

The Law Enforcement Section maintains Hunter Education class information and registration services on <https://www.register-ed.com/programs/westvirginia>. On-line courses are designed to eliminate the classroom portion of the program; however, students will not receive their certification until they pass the hands-on practical and final exam at the nearest DNR District Office. Traditional in-seat courses are still taught throughout the State.

“Safe hunting is no accident.”

During calendar year 2018, West Virginia experienced 5 Class A hunting incidents, resulting in one fatality. Class A hunting incidents are defined as an injury caused by the discharge of a bow or firearm while hunting. There were 6 Class B hunting incidents resulting in two fatalities. Class B Elevated incidents are defined as falls from a tree stand. Class C incidents are defined as injuries sustained while hunting that are not from a firearm or bow. There were four Class C hunting incidents. One hunter seriously cut himself while field dressing a deer and three hunters experienced fatal heart attacks. Class C incidents are defined as injuries sustained while hunting that are not from a firearm or bow. There were not any Class D hunting incidents. Class D incidents are defined as property damage reports.

Officers across the state have participated in several sporting and hunting shows, attended summer camps, and other special events such as JAKES Days, National Hunting and Fishing Days, and Archery in the Schools BAI trainings.

The Law Enforcement Section has conducted numerous interviews for TV, radio, and magazines, promoting safe hunting and boating.

Boating Safety Program

The Law Enforcement Section offers in-seat Boating Safety classes in all counties in West Virginia. Students may view class information and register online at www.register-ed.com. The U.S. Coast Guard Auxiliary and The U.S. Power Squadron also teach NASBLA-approved courses. On-line Boater Education courses can be found at www.wvdnr.gov. Anyone born after Dec. 31, 1986, is required to successfully complete a NASBLA-approved boating safety course before operating a motorboat. While using news releases and interviews during Spring Aboard, the mandatory Boater Education message reaches many new boaters.

A grant from the Governor's Commission on Drunk Driving Prevention provided the Law Enforcement Section additional funding for enhanced BUI patrols on West Virginia waters from July 1, 2018, to Sept. 29, 2018. These patrols resulted in 14 BUI arrests, and 554 other citations/warnings.

Natural Resources Police Officers participated in the nationwide program, Operation Dry Water, June 29 to July 1, 2018, to reduce alcohol-related boating incidents. This operation resulted in six BUI arrests and 356 other citations/warnings. The Section renewed efforts toward water safety and increased lifejacket usage through our Wear It Campaign on Facebook and general boat patrols.

Whitewater Enforcement Program

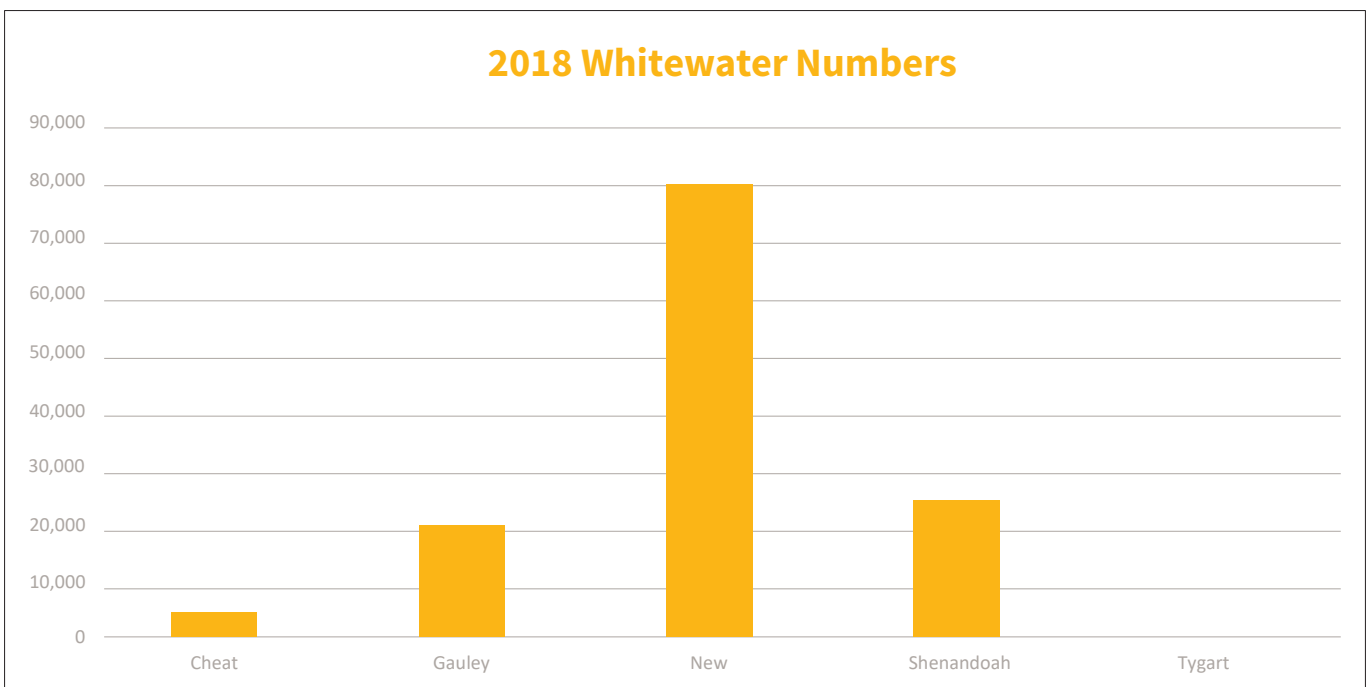
The Law Enforcement Section has the responsibility of regulating the commercial whitewater industry in West Virginia. Twenty-one commercial whitewater outfitter and guides were licensed for calendar year 2018. Nineteen general outfitter and guides are licensed to conduct business in designated whitewater zones for calendar year 2018.

The Law Enforcement Section issues all licenses; collects fees; maintains submitted injury reports, user number reports and trip leader reports for outfitters; investigates new license applications; and reviews license transfers for approval. Natural Resources Police Officers patrol rivers, conduct compliance checks on guides and equipment, and investigate whitewater accidents.

In West Virginia, whitewater zones are located on the Cheat, Gauley, New, Shenandoah and Tygart rivers. In the calendar year 2018, approximately 126,840 people were reported users in whitewater by commercial whitewater and general outfitters.

The Whitewater Commission and the Division of Natural Resources continue to work together to make commercial whitewater operations as efficient and safe as possible. The Commission and Division have continued to work diligently to maintain a comprehensive whitewater reporting system. The website has streamlined all required reporting by outfitters conducting business in whitewater zones.

2018 Whitewater Numbers



LAW ENFORCEMENT



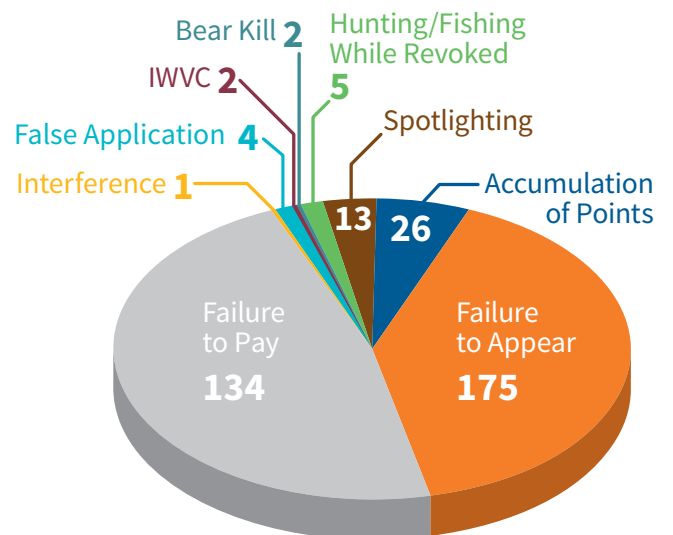
The License/Privilege Revocation System

The Section procedures for revoking the hunting, trapping, and fishing license and privileges are governed by Legislature Rule 58CSR23.

According to the terms of the Interstate Wildlife Violator's Compact (IWVC), of which West Virginia is a member, a suspension in any of the compact states is effective in all of the compact states if the wildlife conviction is a suspendable offense in the respective states. The threat of not being able to hunt, fish or trap in all or some of the IWVC member states serve as a powerful deterrent to would-be poachers.

More than 6,700 revocation notices have been sent to individuals convicted of a hunting, trapping and/or fishing violation since the commencement of the electronic revocation system in the early 1990s. During FY 2019, 362 revocation letters were processed; data retrieved from 226 of those convictions were entered into the IWVC.

REVOCATIONS FISCAL YEAR 2019



LAW ENFORCEMENT

Law Enforcement Activity

LAW ENFORCEMENT ACTIVITY BY DISTRICT JUNE 30, 2018 - JULY 5, 2019														
DISTRICT	ARRESTS					WARNINGS				COMPLAINTS				
	Chapter 20 Arrests	Chapter 22 Arrests	Arrests Warrants	Other Arrests	TOTAL ARRESTS	Chapter 20 Warnings	Chapter 22 Warnings	Other Warnings	TOTAL WARNINGS	Complaints Received	Complaints Investigated	Wildlife Damage Complaints Received	Wildlife Damage Complaints Investigated	Other Complaints
1	561	198	32	86	877	562	1000	181	1743	880	833	154	142	60
2	469	66	55	149	739	262	97	76	435	644	621	279	273	30
3	709	149	62	49	966	761	296	52	1108	619	581	192	191	23
4	515	78	30	116	733	748	289	137	1174	627	645	213	207	109
5	845	317	30	80	1271	668	552	78	1298	1090	1044	68	69	30
6	787	121	36	126	1068	477	224	129	830	630	520	72	71	4
TOTAL	3886	929	245	606	5654	3478	2458	653	6588	4490	4244	978	953	256

DEFINITIONS

Chapter 20: Citations/arrests for natural resources violations, including Forestry.

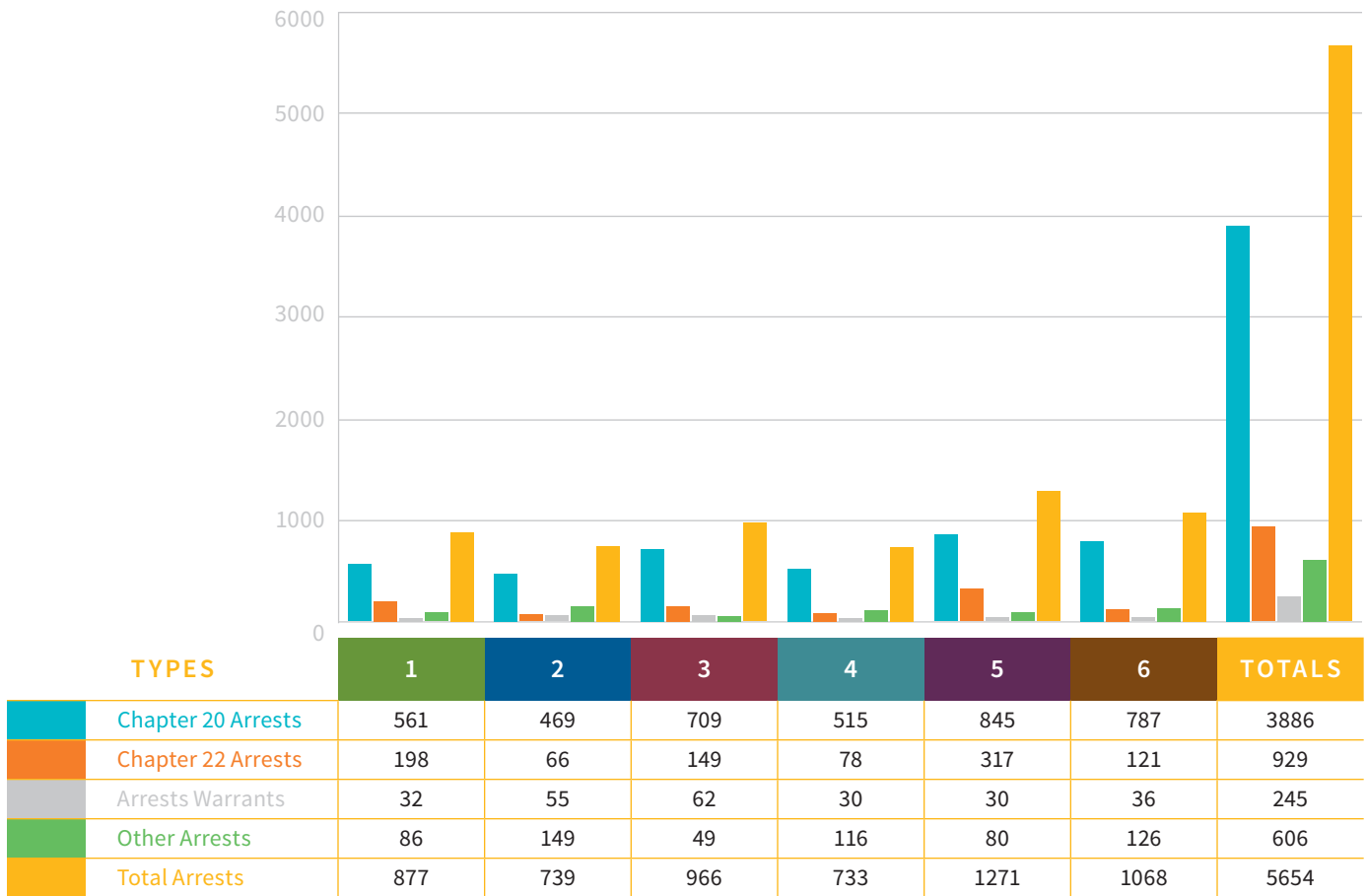
Chapter 22: Citations/arrests for environmental violations such as outside burning, air pollution, open dumps, etc.

Warrants: Arrests warrants for violations that occur outside the officer's assigned county/area.

Other: Citations issued for violations that occur on the Hatfield-McCoy Recreation Area, State Forests, State Parks, and Wildlife Management Areas. Also included in "Other" are arrests for motor vehicle law violations, possession of controlled substances, etc., that occur in the officer's presence.

LAW ENFORCEMENT

Arrests by Type and District – June 30, 2018 thru July 5, 2019



DEFINITIONS

Chapter 20: Citations/arrests for natural resources violations, including Forestry.

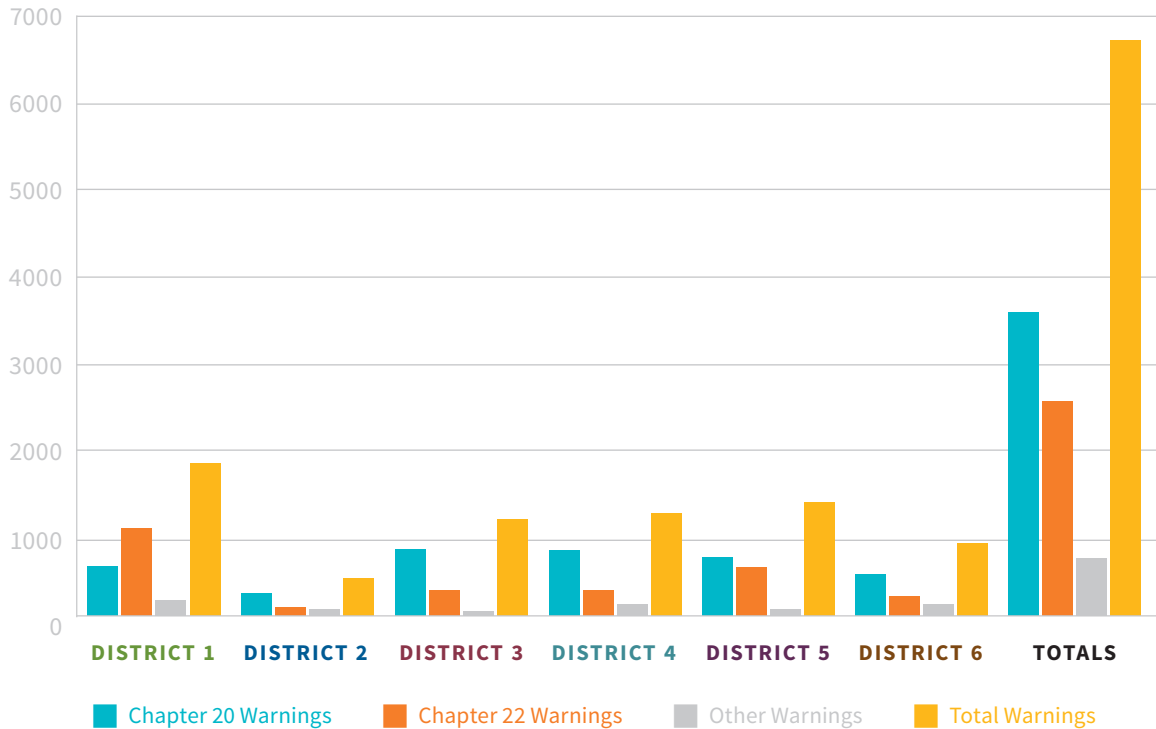
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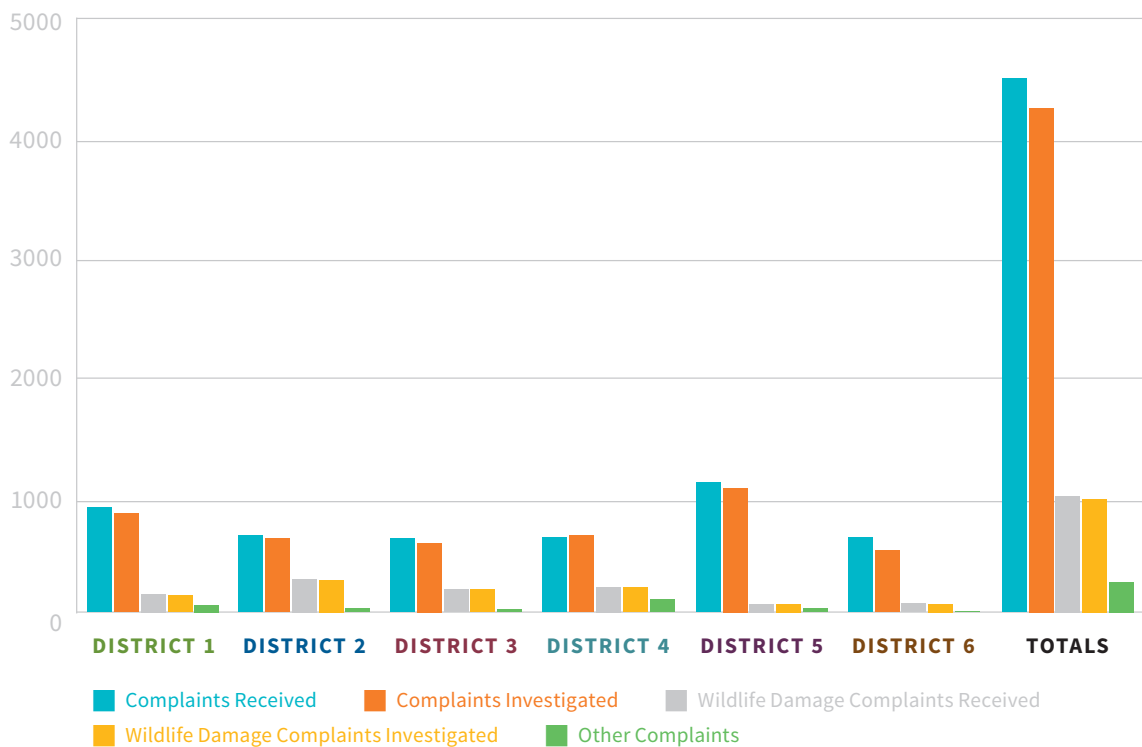
Other: Citations issued for violations that occur on the Hatfield-McCoy Recreation Area, State Forests, State Parks, and Wildlife Management Areas. Also included in “Other” are arrests for motor vehicle law violations, possession of controlled substances, etc., that occur in the officer’s presence.

LAW ENFORCEMENT

WARNINGS BY TYPE AND DISTRICT – JUNE 30, 2018 THRU JULY 5, 2019

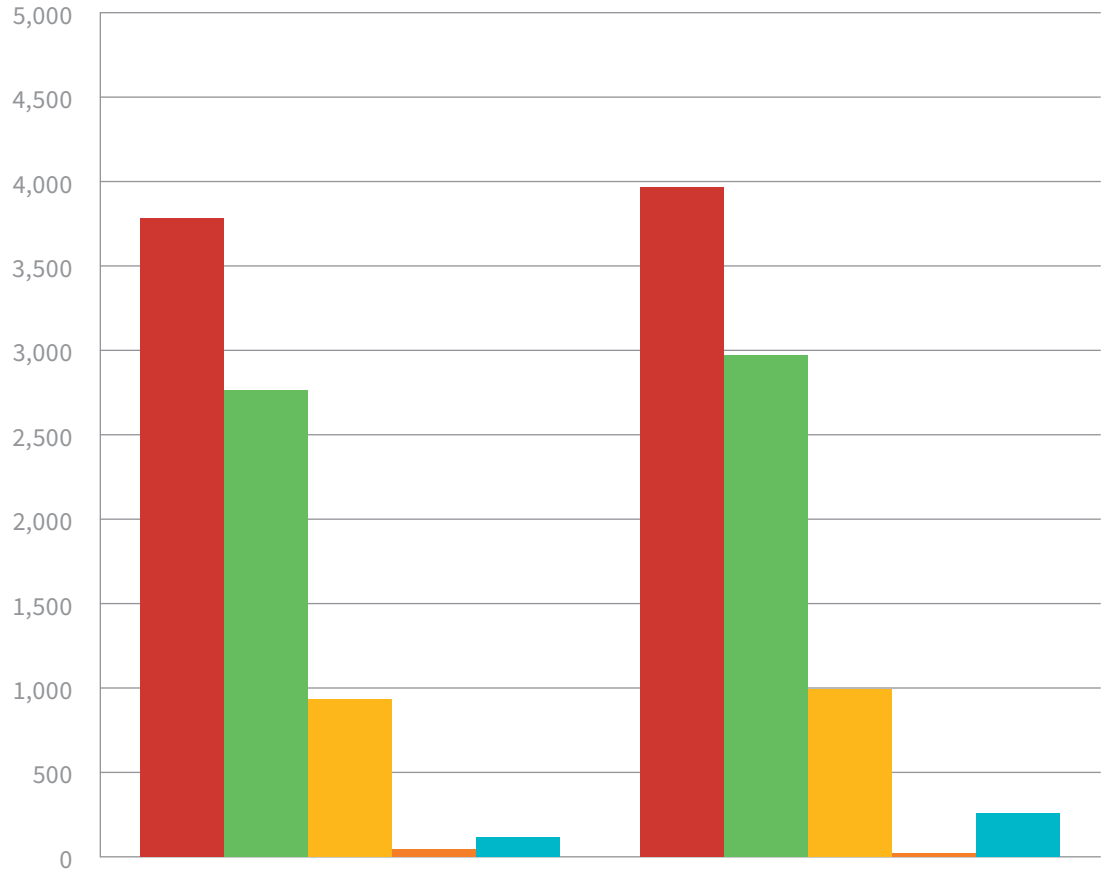


COMPLAINTS RECEIVED AND INVESTIGATED BY DISTRICTS – JUNE 30, 2018 THRU JULY 5, 2019



LAW ENFORCEMENT

Prosecution Comparison – FY2018 v. FY 2019



	2018	2019
Number of Prosecutions	3632	3917
Convicted	2693	2916
Dismissed	917	991
Acquitted	22	10
Failed to Appear	111	264

LAW ENFORCEMENT

REPORT OF PROSECUTIONS BY CHARGE FY 2018-2019

HEADING AND CHARGE	TOTAL
Littering	
Litter, Highway	3
Litter, Park or Public Property	7
Litter, Private Property	3
Litter, Stream	1
Litter, Greater than 500 lbs.	5
Litter, 100-500 lbs.	11
Litter, Less than 100 lbs.	13
Litter, No Record of Mandatory Disposal	130
TOTAL LITTERING:	173
LICENSE	
Fishing Paraphernalia in Possession without License	40
Hunting Paraphernalia in Possession without License	3
Residents Fishing without License	319
Residents Hunting without License	130
Non-Residents Fishing without License	108
Non-Residents Hunting without License	32
Hunt/Trap/Fish without Photo ID in Possession	37
Hunt/Trap/Fish without License in Possession	6
Fishing without Trout Stamp	14
Hunting Bear without Bear Damage	8
Hunting without Big Game Stamp (BG)	1
Hunting Additional Deer without RB/RRB Stamp	10
Hunting Additional Deer without RG/RRG Stamp	4
Hunting Antlerless Deer without Class N/NN Stamp	46
Hunting without CS Stamp	1
Hunting without Class Y Permit	2
Hunting Migratory Birds without Federal Stamp	7
Hunting without Class A-1 Pistol Stamp	5
Hunting without Photo ID in Possession	0
Fishing while License Revoked	2
Hunting while License Revoked	10
Improper Fishing License	0
Improper Hunting License	0
Making False Application - Fishing License	0
Making False Application - Hunting License	0
Making False Application - Hunting and Fishing License	4
Making False Application - Lifetime Hunting and Fishing License	0
Hunting without Hunter Education Card	5
Trapping without a license	4
WDCA, Operate without License	4
TOTAL LICENSE:	802

LAW ENFORCEMENT

REPORT OF PROSECUTIONS BY CHARGE FY 2018-2019

HEADING AND CHARGE	TOTAL
HUNTING	
Bear, Failure to Check	3
Bear, Failure to Submit Bear Tooth	16
Bear/ Posses/Transport Parts of Bear Not Tagged	1
Hunt/Kill/Possess Bear/ Bear Parts Closed Season	3
Blaze Orange, None or Insufficient	39
Closed Season	91
Exceed Bag Limit	15
Failure to Check Game	162
Failure to Field Tag Game	73
Illegal Carry of Bow and Gun in Woods at same time	3
Illegal Hunting Hours for Deer	8
Illegal Killing or Taking of Deer, Turkey, Boar	6
Illegal Possession of Wildlife or Parts Thereof	350
Illegal Method of Hunting	8
Illegal Sale of Wildlife including Bear	6
Illegal Transportation of Wildlife (Sale/Purchase) in State	1
Illegal Transportation of Wildlife Out of State	3
Illegal Disposal of Dead/Diseased Animals	6
Hunt Deer with Illegal Firearms/Ammo	10
Loaded/Uncased Firearm or Nocked Crossbow, Land Conveyance	141
Loaded/ Uncased Firearm or Nocked Crossbow in Vehicle, Conveyance	15
Shoot Across or in Road	11
Shoot Within 25 yards of Vehicle	8
Shoot/ Hunt From Motor Vehicle/ATV/Land Conveyance	115
Shoot at Game Not Plainly Visible	3
Illegal Shooting Distance of Dwelling	31
Illegal Shooting Distance of School/Church	8
Spotlighting	34
Trapping Using Exposed Bait	2
Uncased Firearm	9
Unlawful Entry of Unenclosed/Posted Property Hunt/Trap/Fish	3
Without Permission	123
Bear, Feeding	3
Hunt After Killing Legal Deer	28
Hunt/Take/Kill by Bait/Trap/Snare: Bear,Turkey,Grouse, Pheasant,Quail	10
HUNT Bear/Boar/Mig Bird/Prot Bird or Mammal w/ Bait/Trap/Net Snare	8
Hunt Deer 1/2 Hour Before Sunrise - 1/2 Hour After Sunset	34
Hunt, Deer, Fail to Comply w/ Limited Antlerless Permit Procedures	20
Hunt, Illegal Kill, Additional Antlered Deer	6
Deer Enhanced Antlered Penalty	1
Hunt Turkey with Electronic Call	3
Hunt Under the Influence	6
Underage Hunter without Adult	1
Interference with Hunter/Trapper	6
Dogs Chasing Deer	1
Failure to Tag Traps	7
Failure to Tend Traps Daily	2
Trapping with illegal snares	1

LAW ENFORCEMENT

REPORT OF PROSECUTIONS BY CHARGE FY 2018-2019

HEADING AND CHARGE	TOTAL
Hunt/Trap/ Kill Fur-Bearing Animal out of season	3
Hunting, Taking Waterfowl Closed Season	1
Possession of Illegal Hunting Paraphernalia	4
Hunting Waterfowl Sunset to 30 minutes before Sunrise	3
Hunting Migratory Birds without HIP	1
Hunting Migratory Birds with Unplugged Gun	2
TOTAL HUNTING:	1458
FISHING	
Fishing without Permission	9
Fishing, Catch & Release Black Bass	2
Fishing, Size Limit	1
Fishing, No Legible or Waterproof Tag, Dropline	1
Taking Fish by Illegal Methods	3
Using Prohibited Bait in Restricted Areas	10
Fishing in Prohibited Area without Class Q	8
Access Site Violation, Alcohol	19
Access Site Violation, Swimming/Bathing Prohibited	1
Access Site Violation, Unauthorized Use of	11
Access Site Violation, Litter	6
Exceed Daily Creel Limit/Catfish	1
Exceed Two Pole Limit/ Trout	5
Exceed Daily Creel Limit/ Trout	8
TOTAL FISHING:	86
BOATING	
Create Wake in No-Wake Zone	33
Boat, Exceed 10 HP Motor Limit	5
None or Insufficient Equipment	33
None or Insufficient Number of PFDs for Children Under 12	74
None or Insufficient Number of PFDs	233
Improper Location or Spacing of Numbers	9
Operation of PWC during Illegal Hours	4
Reckless Operation	17
Operating Boat without Required Boater Safety Card	24
Insufficient or No Throwable Device	1
Pulling Skier without Observer	16
Boat, Unregistered Watercraft	14
Boat without Registration Card	6
Overload Boat, Passengers	6
Operate Watercraft while Under the Influence	7
Boat Under the Influence	14
Tow or Operate Boat w/o PFDs	10
Jumping Wake of another Vessel with PWC	2
Tow without Approved Equipment	6
WHITEWATER	
Outfitter/Guide without License	0
TOTAL BOATING:	514

LAW ENFORCEMENT

REPORT OF PROSECUTIONS BY CHARGE FY 2018-2019

HEADING AND CHARGE	TOTAL
SOLID WASTE	
Open Burning, Air Pollution	1
Open Burning of Refuse/Solid Waste	135
Open Dump, Creating or Contributing to	168
Unauthorized Use of Dumpster	8
Waste Endangerment	198
Unlawful Disposal of Waste Tires	6
Unpermitted Sewage/Septic System	1
TOTAL SOLID WASTE:	517
WATER POLLUTION	
Allow Wastes in Water without Permit	0
TOTAL WATER POLLUTION:	0
FORESTRY	
Failure to Safety Strip Around Fire	22
Failure to Attend To or Extinguish Fire	13
Throw Lighted Material on Road or Forest Lands	8
Burning During Fire Season without Permit	65
GINSENG	
Age	7
Dig Out of Season	8
Without Certification	17
No Dealer's License	0
Dig without Permission	2
TIMBERING	
Trespassing	1
Theft	0
Notification Failure	0
Timbering without License	0
TOTAL FORESTRY:	143

LAW ENFORCEMENT

REPORT OF PROSECUTIONS BY CHARGE FY 2018-2019

HEADING AND CHARGE	TOTAL
GENERAL	
Conspiracy - Hunting	119
Conspiracy - Fishing	8
Conspiracy - Non-Hunting or Fishing	21
General Obstruction/ Withhold Information	42
WDCA, Violation of Bat Exclusions	4
Snakes Exceed Possession Limit	1
Snakes Size Limit Restrictions	1
Bait Cervids/Wildlife in Containment Area	14
State Park Violations	
Vehicle Violation	1
Uncased Bow	3
Hunting	2
Camping Violations	1
Destruction of Property	1
Possession of Controlled Substance	26
WMA Violations	
Alcohol	19
Camping Violations	1
Destruction of Property	6
Hunting- ATV in Restricted area of WMA	11
Litter	0
Motor Vehicle Violations	22
Shooting Range Violation	2
Remove Materials from WMA	2
Tree Stand on WMA Violation	2
Bait/Feed Wildlife	10
Outside Chapter 20	
Alcohol	10
Criminal	5
Obstruction/Aggravated Assault	1
Motor Vehicle Violations	245
DUI	6
Illegal Possession of Controlled Substances	27
Illegal Possession of Firearms	12
Illegal Sale/Display Firearm	1
Resisting Arrest	1
Trespassing	62
National Forest	
Motor Vehicle Violations	3
Hatfield-McCoy Recreational Area	
Alcohol	16
Riding without Helmets	14
Riding without Permits	10
Obey all Traffic Laws/ Devices/ Signs	2
TOTAL GENERAL:	734

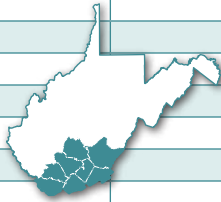
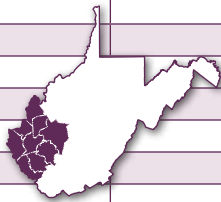
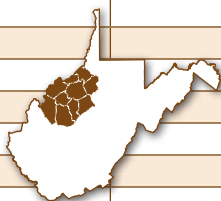
LAW ENFORCEMENT

REPORT OF PROSECUTIONS BY COUNTY FY 2017-2018

DISTRICT	TOTAL ARRESTS	TOTAL WARNINGS	COUNTY	NUMBER OF PROSECUTIONS	DISPOSITIONS OF PROSECUTIONS			FAILED TO APPEAR	PRE-TRIAL DIVERSIONS
					CONVICTED	DISMISSED	ACQUITTED		
1	877	833	Barbour	57	45	12		5	
			Brooke	35	27	8		0	
			Hancock	70	56	14		4	
			Harrison	107	85	22		9	
			Marion	80	77	3		3	
			Marshall	47	45	2		0	
			Monongalia	104	97	7		16	
			Ohio	17	13	1	3	1	
			Preston	66	59	7		7	
			Taylor	22	14	8		2	
			Tucker	18	16	2		0	
Wetzel	29	28	1		3				
				652	562	87	3	50	0
2	739	435	Berkeley	48	46	2		3	
			Grant	59	57	2		0	
			Hampshire	101	84	17		0	
			Hardy	73	64	9		0	
			Jefferson	102	100	2		9	1
			Mineral	49	41	8		0	
			Morgan	23	22	1		0	
			Pendleton	73	38	35		0	
				528	452	76		12	1
3	966	1108	Braxton	66	57	9		15	
			Clay	59	47	12		8	
			Lewis	173	160	13		10	3
			Nicholas	249	171	78		26	
			Pocahontas	136	133	3		4	
			Randolph	89	85	4		8	
			Upshur	133	120	13		8	
			Webster	81	76	5		4	
				986	849	137	0	83	3

LAW ENFORCEMENT

REPORT OF PROSECUTIONS BY COUNTY FY 2017-2018

DISTRICT	TOTAL ARRESTS	TOTAL WARNINGS	COUNTY	NUMBER OF PROSECUTIONS	DISPOSITIONS OF PROSECUTIONS			FAILED TO APPEAR	PRE-TRIAL DIVERSIONS
					CONVICTED	DISMISSED	ACQUITTED		
	733	1174	Fayette	22	15	7		3	
			Greenbrier	66	54	12		4	
			McDowell	18	13	2	4	0	
			Mercer	13	9	4		5	
			Monroe	25	20	5		8	
			Raleigh	27	21	6		0	
			Summers	23	17	6		7	
			Wyoming	92	82	10		1	
			286	231	52	4	28	0	
	1,271	1,298	Boone	69	46	23		1	
			Cabell	32	21	11		15	
			Kanawha	66	30	36		22	
			Lincoln	35	24	11		0	
			Logan	236	81	155		0	
			Mason	150	109	41		1	
			Mingo	81	37	44		7	
			Putnam	47	32	15		2	
			Wayne	16	5	11		2	
732	385	347	0	50	0				
	1068	830	Calhoun	87	52	35		4	
			Doddridge	37	29	8		1	1
			Gilmer	32	15	17		0	
			Jackson	193	81	112		21	
			Pleasants	24	23	1		0	
			Ritchie	60	49	11		1	
			Roane	103	46	57		9	
			Tyler	45	36	9		0	
			Wirt	53	42	9	3	0	4
Wood	99	64	33		5	0			
733	437	292	3	41	5				
STATE TOTALS	5654	5678		3917	2916	991	10	264	9



PARKS AND RECREATION

Samuel England, *Chief*



Introduction

This report provides a review of major programs, policy actions, and challenges being addressed as of July 1, 2018 through June 30, 2019.

Overview

The mission of the Parks and Recreation Section, as contained in State Code, is to “promote conservation by preserving and protecting natural areas of unique or exceptional scenic, scientific, cultural, archaeological, or historical significance and to provide outdoor recreational opportunities for the citizens of this state and its visitors.”

The Parks and Recreation Section promotes conservation beginning with its mere existence and the ease of access to the public. Through proper management and protection efforts, Parks clearly demonstrates the conservation mandate. The system provides clean, well kept, inviting, safe and affordable outdoor encountering opportunities, and successfully preserves and protects more than 160,000 acres of West Virginia’s most premier real estate. Nearly 13,000 acres, distributed throughout the system, are developed lands with public recreational facilities.

The 147,000 acres of undeveloped land is overwhelmingly important to providing mostly undisturbed ecosystems on state-park-managed facilities, which are enjoyed by approximately 7,000,000 visitors annually and are set aside for generations to come. The philosophy of land protection was essentially non-existent when West Virginia State Parks were first established. Today, the state parks’ mission of preserving and protecting West Virginia’s greatest treasures cannot be overlooked and is even more important than when established. These protected lands are significant for providing specific necessary ecosystems that are not safeguarded anywhere else in the state. Additionally, the upper watersheds of many of the state’s rivers and streams are within the agency’s responsibility, helping to ensure healthy water supplies for the citizens within and outside of our borders. Hiking trails and park and forest roads meander quietly through areas, providing tranquil settings for mental and physical health. These areas are treasured as important valuable resources by citizens. Moreover, this prime real estate adds significantly to the land values of surrounding privately owned lands, which contribute to the tax base of county governments.

The system is composed of 35 state parks, nine state forests and two state rail trails. West Virginia citizens enjoying state parks and forests represent 63% of visitors while 37% are guests traveling from outside the state. The recreational opportunities provided by these areas are significant to the tourism industry in West Virginia. The Parks and Recreation Section is an economic stabilizer for tourism by offsetting fluctuations of the economy. Parks protect and maintain a base of tourism during tough economic times, when entrepreneurial and private tourism activity suffers; and serve to buffer the negative consequences of lost tourist activity. As economic times improve, the state park system encourages these same private businesses to develop and cultivate; thus, the tourist base, being generally maintained, requires less effort to grow and prosper.

Equally important is the noteworthy contribution to the quality of life for the citizens of the state. State parks, forests and rail trails contribute significantly to the physical and mental health of citizen users. They are good for the economy, ecology and people, culminating into a winning trifecta. Recreational activities range from intense components such as downhill skiing and rock climbing, to more relaxed activities like golf and marinas to quiet campfires, picnicking, hiking and traditional park recreation.

The facility inventory includes 798 lodge rooms, 358 cabins, 1,546 campsites, 152 picnic shelters and 559 playground units. Park and forest staff maintain more than 2,500,000 square feet of indoor space in nearly 1,500 buildings with an average age of nearly 50 years. More than 700 miles of hiking trails are provided across 46 areas. Hiking has been identified as the primary gateway activity for new visitation to West Virginia state parks and forests.

Every state park and forest area contributes value and uniqueness to the state park system. For example, the historical Cass Scenic Railroad and Blennerhassett Island Historical State Parks provide a “step back in time” experience where visitors are able to travel by steam locomotive or sternwheel boat to a park environment demonstrating life of past eras. Unique West Virginia treasures such as Blackwater Falls, the Babcock Glade Creek Grist Mill, Twin Falls Resort Pioneer Farm, and the Droop Mountain Battlefield Civilian Conservation Corps (CCC) lookout tower are iconic representations for West Virginia. Exceptional scenic overlooks are protected at areas such as Hawks Nest, Cacapon Resort, Pipestem Resort, Babcock, and Carnifex Ferry Battlefield State Parks. The preservation of the impressive virgin forest at Cathedral State Park and representation of 18th century life at Prickett’s Fort State Park, while at the same time operating Stonewall, Canaan and Pipestem Resorts, represents the diverse mission of the state park system. The desirability of a park area, as well as the state park system as a whole, are enhanced because of this individual uniqueness.

PARKS AND RECREATION

General Information

GUEST SAFETY AND SATISFACTION

Guests visiting West Virginia's state parks and forests have an overwhelmingly safe and satisfying experience. The agency consistently provides for maintenance and safe operation of complex facilities such as trams, excursion boats, elevators, marinas, historic structures, pools, lakes, dams, water systems, sewage systems and other vitally important facilities. The state park system provided recreation to nearly 7,000,000 visitors this past year with minimal incidents or safety concerns. The efforts by the staff to maintain, monitor, and provide these facilities safely is a strong indicator of success. Fundamental for marketing is the awareness that all the overnight facilities are considered overwhelmingly free from danger to the traveling public. A significant gauge of this success is the minimal incidents occurring on parks or forests which actually escalate to the level of arrests or citation. Superintendents and staff are to be commended for the outstanding guest services being provided. Comment card reports show a 94 percent Excellent or Good rating of our state parks and forests.



Holly River State Park

IMPROVEMENTS

The system enjoyed an unprecedented level of improvement programs through FY2019. A long-awaited property management system allowing all campsites to be available for reservations was implemented with great success. Guests can now make reservations for all lodges, cabins and campsites online. To aid in the implementation, a call center was added at Pipestem Resort State Park providing reservations for all overnight facilities throughout the state park system, extending the hours of guest service operation well past traditional office hours. Picnic shelters were also available for online reservations.

A point-of-sale system was added as a feature of the property management system to manage retail sales. Several areas implemented and began using the system before the summer season.

Significant recreational improvements were added to Pipestem Resort State Park, including a zipline tour that descends the mountain, crosses the Bluestone Gorge, and ends at the Mountain Creek Lodge. The installation of a swimming beach and large inflatable recreational devices were added to the lake to augment the new splash pad. These facilities added significantly to the recreational enjoyment and park use at Pipestem Resort State Park.

Two bond financed development programs are having an important affect for the state park system. The Cacapon Resort State Park Lodge expansion was approved and funded with Excess Lottery funds. At the end of the reporting period, the lodge improvement was 20% complete with vertical steel structure being installed.

Excess Lottery fund bonds are infusing \$60 million for repairs and upgrades throughout the system, including lodge and cabin updates and redecoration, improved accessibility, water and wastewater treatment upgrades, recreational projects, technology upgrades, infrastructure repairs, bathhouse renovation and other similar improvements. This opportunity will provide immediate and long-term positive returns, including higher guest satisfaction, greater guest safety, greater revenue production, and regulatory compliance. By the end of FY2019, there were 111 projects completed, being constructed, in procurement or in design, totaling nearly \$45 million. An additional 20 projects will be started in fall 2019, adding another \$1 million toward completion. Examples of projects under construction at the end of the reporting period include Pipestem splash pad, cabin upgrades at 16 parks and forests, campground improvements at various parks, replacement of recreational equipment, Berkeley Springs Old Roman Bath upgrade, and several roof and gutter projects.

PARKS AND RECREATION

WORKFORCE

The Parks and Recreation Section directly employs more than 400 full-time staff and approximately 1,200 seasonal and summer staff. The employees are a consistent and dedicated workforce, motivated by the understanding of the value of parks and forests and the mission of the Parks and Recreation Section. This focus by the staff is integral to its success.

Approximately one-third of seasonal and summer staff are high school and college-age students gaining first-time work experience providing services at pools, campgrounds, restaurants, and lodges and serving as summer naturalists. At these jobs, significant life skills are gained while learning the importance of West Virginia's natural resources and the state's tourism industry. At the same time, they gain understanding of the importance of staying and investing in the state and developing a deep connection to West Virginia. Many citizens, who have remained within the borders to make a difference as community leaders and invest a lifetime of commitment to betterment for the state, began as state park or forest student employees. Seasonal staff, who often return for employment annually, provide needed assistance as building and grounds maintenance, housekeeping, front desk and office staff. Our mixture of full-time, seasonal and summer employees contributes greatly to the efficient and effective operation of the system.

In addition to the staff working directly for the Parks and Recreation Section, our 2016 Economic Impact Study revealed that the economic activity stimulated by visitation to a state park or forest supported approximately 3,209 full-time equivalent jobs in the state in FY2017. These jobs are a result of private businesses profiting because a state park or forest operates in an area, such as an adventure outfitter who utilizes a state park or forest, through grocery, fuel, retail, or restaurant purchases and other similar private business activity enriched by state park and forest destination visitation. In terms of wages and income, the economic activity spawned by visitation to West Virginia state parks and forests was responsible for roughly \$91.6 million in salary income in FY2017.

EDUCATION

With nearly 100 years of operating West Virginia's state parks and forests, we have increased an emphasis on education and interpretation. Park and forest superintendents interpret the resources existing on specific areas and promote the conservation mandate. Naturalists and historical interpreters are employed to aid in this effort. During this past year, there were 9 full-time and 17 part-time naturalists who provided activities and interpretation to nearly 100,000 guests engaged through programming and nature center visits. Volunteer docents and interpreters assist with this effort and increase engagement significantly.

The system continues to improve on the quality of programming, concentrating largely, but not exclusively, on interpretation of flora, fauna, natural history and the mission of the Division. A significant emphasis is placed on programming geared toward youth. Programmers and naturalists are charged with implementing programs to include interpretive hikes, wildlife observation, water study, etc., and to engage visitors in discovering and understanding the outdoors through interpretative interaction. Energizing and encouraging families to get outside is a priority.

State parks and forests are visited regularly by school groups. The areas are considered outdoor learning laboratories, always available for nature study, specifically providing preservation of rare, threatened and endangered species in unique ecosystems. The system operates four museums and six nature centers, open year-round. Other nature centers, visitor centers and museums operate seasonally.

PARKS AND RECREATION

Finances

ECONOMIC IMPACT

In 2016, the system commissioned a study to renew the understanding of the economic impact of West Virginia State Parks and Forests. A key finding of this study is that the total economic impact of the system annually ranges between \$160.5 million and \$189.5 million. Economic impact is a measure of fresh money infused into the state's economy that likely would have not been generated in the absence of the state park system. In other words, for every \$1 of general tax revenue provided to state parks, \$13.15 on average was generated in fresh money that would not be there if not for the operation of state parks and forests.

EXPENDITURES

The system employs a "User Pay-Public Benefit" model for operations. User fees for services and products generate revenue supporting the many public benefits provided by the system. Revenue generation of \$28,231,962 accounts for 57.80% percent of costs for the system. The balance of funds for the system operation are provided by General Revenue, Lottery Account 3267 and Lottery Account 3277 (Park Improvement Fund). The fiscal year expenditure total of all accounts equaled \$48,805,320. The General Revenue expenditures in FY2019 were \$14,480,029 and were used for classified service salaries and benefits for the majority of full-time staff within Parks, operating costs and projects. Lottery Account 3267 funds in FY2019 were \$2,747,473 and were also used for Parks' salaries and benefits, plus a small portion legislatively dedicated to the Pricketts Fort State Park Foundation. The Lottery Account 3277 expenditures were \$3,345,856 million and used for routine repairs and alterations, major repairs and equipment.

REVENUE GENERATION

Revenue generated by system operations is held within the Special Revenue 3265 Account. Operational collections from FY2019 ended at just over \$2 million above last fiscal year for generated revenues. This is especially significant as FY2018 ended approximately \$1.8 million above FY2017. The increase in revenues was due to a number of factors, including a rate increase, providing online camping reservations, improvements in gift shop and souvenir sales, camping occupancy improvements, spa operational improvements, and providing services and products at the quality level to ensure guests return.

FUNDING

The greatest challenge facing the system has been a lack of funding for operations and deferred maintenance. The 2018 Legislative Performance Review Audit recommended an additional \$3 million for major repairs and equipment replacement to address the deferred maintenance. The 2018 Excess Lottery Bond will address a major portion of the estimated \$100 million needed for major repairs and alterations to bring park and forest facilities up to the standards expected by the visiting public.

DIVERSITY

It is important that the system cultivates a workforce representative of the people of West Virginia. To do so, the Parks and Recreation Section desires to increase the representation of minority groups in the workforce. There is a commitment to add employment of minorities within the Division of Personnel framework that governs the selections for the classified service.

AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE

It is important that the system provides services, facilities and programs to all people in a safe and accepting environment. Most of the items identified in the original systemwide ADA assessment are complete, while smaller additional and ever-evolving needs remain and require funding. The Excess Lottery Bonds will address many ADA needs.

SIMULATED WORKPLACE PROGRAM

Working cooperatively with the Department of Education through the Simulated Workplace, several projects were completed, ranging from new roofs to porch furniture. Specific details are listed in the individual area reports. This has been a wildly successful program which has resulted in numerous essential projects being completed on multiple parks.

NON-NATIVE INVASIVE SPECIES

The spread of non-native invasive species plants is quickly becoming a significant issue on state parks such as North Bend State Park and Cacapon Resort State Park. The seemingly exponential spread of species such as Japanese stiltgrass, Japanese barberry, garlic mustard, bush honeysuckles and autumn olive are creating monocultures in numerous natural areas, which is forcing out native species biodiversity which, in turn, is critically harming healthy ecosystems. A plan for addressing problem areas and a plan for protecting non-affected areas needs to be developed, funded and implemented.

Individual Area and Section Activity Reports

West Virginia Parks, Forests, and State Rail Trails differ from those in most other states because of the added role in filling a local recreational niche not available from local government. Many communities in West Virginia cannot afford to provide recreational opportunities such as tennis courts, swimming pools, picnic areas and similar items that are a primary responsibility of city and county governments in other states. So, over the years, this function has come to be expected from local state parks. Because of this and other factors, requirements for maintaining individual facilities are quite varied. Facilities range from the modern development at parks like Canaan, Pipestem and Stonewall to historical structures dating from the CCC days. Replacement and upkeep of aging infrastructure at various areas is a constant challenge. This section of the annual report will focus mainly on repair and improvement items.

AUDRA STATE PARK

Campsite 19 was removed, and a large pull-off parking area was created for campers to stop and register. A water station at the pull-off was also installed for campers. The old swimming area building was demolished, and the site was cleared and seeded. The walkway to the river restrooms was paved. A new water line was installed from the main water meter in the upper picnic area to the campground.

The small campground bathhouse was remodeled to comply with ADA requirements. A 24x12 check-in station was added to the campground store to assist with the new campground reservation system and provide additional retail sales space.

BABCOCK STATE PARK

Repairs were made in-house to the pole and powerline supplying cabins. A new submersible pump was installed to replace a failed pump on the Manns Creek sewage treatment plant. Cell signal boosters were installed in Legacy Cabins to enhance the performance of the Wi-Fi routers. A new Cradlepoint Wi-Fi unit was installed in the Campsite 41-51 area. Babcock's staff made repairs to the Glade Creek Grist Mill's pulley and belt system, refurbished and renovated. Walkway improvements were made from the fishing pier to the footbridge near the boat dock at Boley Lake.

Babcock's administrative office was moved across the hallway to be located adjacent to the existing gift shop. This move will enhance sales and guests' experience as it will allow the gift shop to be open every day that the park office is open. Included in the project were new window blinds and valances, a ceiling fan, air conditioning, and a new security camera system.

The Fifth Annual Sticks and Stones 15K Trail Race was successfully held during the second Saturday of October 2018. Babcock State Park also hosted the 15th Annual Grist Mill Grinder; this half-marathon event has become one of the most popular trail racing events in West Virginia. Babcock State Park received its first ever Saturday trout stocking, which was also the Gold Rush stocking for this park. This special event drew crowds like Boley Lake has never seen before.

Building materials and equipment for the renovation of the rest rooms and kitchens in the economy cabins were purchased for the upcoming project beginning in fall 2019.

BEARTOWN STATE PARK

Numerous broken and rotten boards were replaced on the boardwalk. The vault toilet was pumped, and the roof over the hand pump was re-shingled. Gravel was put down for the ADA-accessible road and parking area.

BEECH FORK STATE PARK

Wildflower seeds were planted in two pollinator fields near the Lost Trail Parking Area. Another successful Heron Festival and Make-It-Shine clean-up event were held with a tremendous turnout for both. Two on-demand hot water systems were installed in the Four Coves and Old Orchard bathhouses along with installing new shower hardware at the Four Coves bathhouse. All upgrades have performed very well and are helping reduce operational costs. A park foundation was formed in 2018 and has provided assistance with programming and projects throughout the year. Staff installed a 9-hole disc golf course near park headquarters, creating a short course for both beginners and experts. The Gold Star Mothers Organization dedicated a living memorial in the day-use recreational area by planting 55 sugar maple trees representing each of West Virginia's counties and five oaks, one for each branch of the armed services. Beech Fork staff partnered with WV Department of Education Career Technical Education (CTE) Programs (Simulated Workplace Program) from Boone, Cabell, Lincoln, and Putnam counties to complete several projects, including installation of landscape block at cabins, construction of 60 picnic tables and 17 fire rings, construction of 20 wooden benches for rental cabins, installation of HVAC units and ceiling fans at park headquarters, and planting trees throughout the campgrounds. Beech Fork State Park Bond Projects included: replacement of kitchen countertops in five rental cabins, and replacement of living room furniture in two cabins.

PARKS AND RECREATION

BERKELEY SPRINGS STATE PARK

Massage therapists received training to provide new services at the Main Bathhouse that include couple massages, cupping, prenatal and medical massages, and the incorporation of hot towels. August 21, 2018, Morgan County received more than five inches of rain, causing major flooding. The main part of the park including the park office, Old Roman Bathhouse, pool, and Gentlemen's Spring were under water. All facilities except the outdoor swimming pool were reopened by August 17, with no real property loss. Special events hosted at the park this year included the 45th Annual Apple Butter Festival, the Summer Concert series, several Art in the Park events, monthly Mountain State Cruisers car shows, Morgan County Master Gardener Plant Fair, Easter Egg Hunt, Berkeley Springs Zombie Walk, weddings, pool parties and many others.

In January 2019, work started on the Old Roman Bathhouse bond project. Scope of work for this bond project includes: a new boiler system, tub drainage system that includes backflow preventers and mechanical drains, an ADA tub and bathroom, new HVAC systems, electrical upgrades, and period-correct tile, windows, and exterior work. Bond project work is expected to be completed by January 2020.

BLACKWATER FALLS STATE PARK

With the addition of several retail locations last year, retail revenues continue to rise. Revenue from retail sales increased 5.5% over FY18 and is 17.5% over FY17. The park hosted the Irish Road Bowling North American Regional Finals tournament. More than 150 guests showed up to fish Pendleton Lake on April 6 for the West Virginia Gold Rush. The park hosted its first Farm-to-Table event, which was a huge success. The event sold out with more than 80 guests. Cabin renovations began early in spring 2019. Twenty-six classic cabins had central air conditioning, new heat pumps/furnaces, and all new windows installed. The bathrooms and kitchens were also renovated. A covered entrance was added to the front of the Blackwater Lodge. The emergency exit staircase from the lodge second floor was replaced. A new heating and cooling system was installed at the pool area at the lodge. Improvements to the disc golf course were underway at the end of the reporting period.

BLENNERHASSETT ISLAND HISTORICAL STATE PARK

Drains were installed at the landing area on the island to alleviate a drainage problem that had led to deterioration of the road leading from the landing to the interior of the island. The rest room on the island known as the Necessary House was given an upgrade. Supplies for a new storage building and a bridal building were purchased and delivered to the Wood County Technical Center for completion through the Simulated Workplace Program.

BLUESTONE STATE PARK

The park started the bond project cabin renovations with the first bid awarded to remodel the kitchens and bathrooms in nine of 26 cabins. A contract was also awarded for installation of air conditioning in all cabins.

Bluestone saw some of its worst flooding in several years. At the end of February 2019, the park received more than 9 inches of rain in a week, as did areas all along the New and Bluestone River watersheds. This resulted in a 51-foot flood behind the Bluestone Dam. This was the first time since the new pool was built that floodwaters reached the pool. This flood destroyed all the electric service in the pool and campground areas. As the electric service was being repaired, a lightning strike destroyed the meter base for the same area hit by the flooding. The heavy rains also caused two slips along the road leading to the pool and campgrounds. The amount of damage caused a delay in opening many facilities for the 2019 season. Despite these challenges, park operations and business remain strong.

CABWAYLINGO STATE FOREST

Four new HVAC systems were installed in the McClintic Group Camp, three 5-ton units and one 2-ton unit. Three cabins were remodeled in-house by forest staff. An extensive renovation of Cabin 10 saw the replacement of 30 linear feet of logs, also done in-house. A new dump tank was installed in Spruce Creek Campground as part of the bond project. Cabin improvements included DISH Network in half of the cabins, five cabins received on-demand water heaters and all cabins now have mini-split HVAC systems installed. Cabins 5 and 6 had their false ceilings completely removed; Cabins 8, 11, and 12 were completely painted on the inside.

Several Simulated Workplace Projects were completed in the forest, including construction of seven woodsheds for cabins, two gates, and the manufacture of forks and mounting plate for the backhoe.



Cabwaylingo State Forest

PARKS AND RECREATION

CACAPON RESORT STATE PARK

The park installed drainage and new sand in six bunkers on the golf course. New yardage markers, cup flags, and ball washers were installed on the golf course. Cabins 1-7 and the Old Inn fireplace chimneys were lined and re-chinked. The boat dock restrooms were remodeled and winterized to allow for year-round use. The Recreational Lake Boat Dock was completely rebuilt from four feet wide to eight feet wide and a kayak ramp was installed. The Foundation and volunteers built ten miles of new mountain bike trails. Special Events hosted at the park this year included July 4th Celebration, Irish Road Bowling, After Hours Summer Beach Parties, Second Annual Morgan County Sheriff's Department & Cacapon Resort State Park Day Camp, Homecoming, Halloween Party with a Live Wolf Presentation, Christmas at Cacapon with Santa, Caroling with the Morgan County Concert Band, New Year's Eve Celebration, First Day Hike, Valentine's Package, Easter Egg Hunt, Cacapon Foundation Gala, Trail Clean-up Day, Earth Day Celebration, Hike across West Virginia, two Murder Mystery Dinner Theater Weekends, 1st Annual Girl Scouts Love State Parks Weekend, Wilderness Survival Classes and West Virginia Gold Rush trout stocking.

Currently, two bond projects are underway at Cacapon Resort State Park. In the fall of 2018, the Lodge addition and remodeling of the existing lodge commenced. This bond project includes: 78 new lodge rooms, indoor/outdoor dining, indoor pool, fitness center, full-service spa, lounge, library, new conference rooms and gift shop, and the remodeling of the existing lodge. The project is expected to be completed by January 2021. The second bond project of remodeling 31 cabins started in spring 2019. This bond project includes on-demand water heaters, installation of HVAC, remodeling kitchens and bathrooms, new appliances, new furniture, refinishing/installing new flooring, and installing new ceilings in the Legacy Cabins. The project is expected to be completed by December 2019.



Cacapon Resort State Park

CAMP CREEK STATE PARK

The park worked with a local high school Work Exploration Program that accommodates youth with various types of learning disabilities to complete projects, including building a covered swing, bundling firewood, and building and painting a fence. The park also worked with students from the Division of Rehabilitation Services Internship Program.

Camp Creek added three wildflower fields to the grounds for pollinators. As part of this new program, the park adopted three colonies of honeybees. Training for the bee keeping was provided by US Department of Agriculture, US Food and Drug Administration and WVU. The bees were doing well at the end of the reporting period and will hopefully provide a sustainable resource and local honey for sale for years to come.

Special projects completed this year included five newly designed recycle bins and an antique farm equipment display. Special events for the year included the Fall Festival, Lumberjack Competition/Ramp Feast, and Birds of Prey. The park partnered with the park foundation and local County Commission to purchase a people mover wagon that is used to give tours to areas that guests would typically not be able to see.

CANAAN VALLEY RESORT STATE PARK

The major project for Canaan Valley Resort State Park was the construction of a completely new multi-use (bike, hike and ski) trail. The goal of the project was to create a state-of-the-art marketable mountain bike trail for beginner to intermediate skill level mountain bikers. The trail was built to International Mountain Biking Association standards and to meet the criteria to host a National Interscholastic Cycling Association (NICA) event. The NICA organization works to promote competitive mountain bike races for middle to high school athletes across the country. Canaan Valley Resort was chosen to host a NICA event in September 2019.

CARNIFEX FERRY BATTLEFIELD STATE PARK

Park staff installed two new baby changing stations in the picnic area rest rooms. Rubberized granulated non-slip roofing material was installed on all trail bridges and steps to improve safety. Gravel pads and walkways were installed to the new outdoor sinks at each of the five shelters. Park staff also made and installed new concrete parking bumpers at the Patterson Trail parking lot. With help from a local Boy Scout troop, an Eagle Scout candidate renovated an abandoned access trail linking the picnic area to the Patterson Trail. The trail was re-blazed and a bridge along the trail was repaired. The sign shop produced 755 signs for FY2019, and metal roofing materials were purchased and received as part of the bond project to replace roofs on the park office, maintenance shop and the gas tank shed.

PARKS AND RECREATION

CASS SCENIC RAILROAD STATE PARK

House 220, formerly the housekeeping office, was renovated and added to the rental inventory, bringing the total available to 23. Four houses received extensive renovations to the kitchens and upstairs bathrooms, while HVAC units were installed in six houses. Two houses received both room renovations and HVAC installation. Two access roads were built to allow for stocking trout on the Greenbrier River. Infrastructure improvements included an aerator in the sewage lagoon, water line repairs, completing work on a lift station near the train shop, and painting nearly all the fence on Main Street. A new floor was installed in the Company Store where it had previously been unfinished, and a wall was moved to allow for needed space in the safe room. The Company Store received upgraded store décor via framed maps, new display racks, knife racks, new front door with period correct door push, and a common color scheme. The upper level of the Company Store was cleared and opened for tours. Construction was completed on the maintenance garage and electric service was installed. A second parking lot was completed across from the Maintenance Shop. Events such as Bat Cave Week, Appalachian Heritage Day, Stump Run and Greenbrier Marathon continued after their successful debut last year while Cass Days, Harvest Festival, Halloween, Christmas at Cass and other events continued to grow in popularity.

CATHEDRAL STATE PARK

The park experienced a damaging storm in February. Several large trees in the picnic area and playground were damaged and had to be removed. In June, a large rain event caused flooding and damaged several trail bridges. New mulch was added to the playground.

CEDAR CREEK STATE PARK

Park staff renovated the General Store and the log cabin check-in station to accommodate a computer system for the new online reservation system. The new system was very well received by park guests. Staff also renovated the miniature golf course, replaced aging water lines at the pool and replumbed the solar heating system to make it more efficient. The maintenance crew performed extensive trail maintenance throughout the park. The Gold Rush Trout Stocking Program was a huge success.

CHIEF LOGAN STATE PARK

The most noteworthy project that was accomplished at Chief Logan State Park during FY2019 was the completion of the new check-in building at the campground. The building is equipped with an ADA ramp, heating and cooling unit, telephone and internet service and a storage area in the back for firewood. Four gate valves were installed throughout the park to assist in locating and isolating underground water line breaks, which will make repairs easier. There was an installation of a new heating and cooling unit in the front office/gift shop. Plumbing was replaced at the umbrella pool.



Chief Logan State Park

CHIEF LOGAN LODGE

The lodge saw a continued increase of revenues and business for the FY2019 reporting period. The Pavilion is still in the planning stages and will attract new business, adding to revenue and guest appeal. Chief Logan hired a full-time naturalist and events coordinator who also conducted the Elk Management Tours in fall 2018, which were a huge success.

The lodge partnered with Boone County Vo-Tech through the Simulated Workplace program to fabricate all-new balcony furniture as well as porch furniture and grills for the cabins.

PARKS AND RECREATION

COOPERS ROCK STATE FOREST

The FY2019 reporting period saw a large transition for Coopers Rock State Forest, including the Camplife Reservation, POS Systems and upgrades to the Trading Post. The new online reservation system led to a massive increase in campsite rentals with most weekends at 90% or higher occupancy since the system went live. Over the winter, staff completely overhauled the inside of the Trading Post Gift Shop, including a new floor, painted ceiling, new display fixtures, and slatwall shelving. This allowed an increase in retail merchandise offerings and sales have consistently outperformed even record previous numbers. The point of sale and inventory tracking portion of Camplife allowed transition from a bulky paper system to an easy-to-use digital system which allows for quickly eliminating underperforming items in favor of more popular ones.

The forest hosted several events at the Trading Post in coordination with the Coopers Rock Foundation, including Celebration of the Outdoors, Winterfest, 10/50k Marathon Trail Run and 10k Stump Jump Race. This year saw the inauguration of Food Truck Sunday, an event where once a month on a Sunday part of the overflow parking lot is marked off, permits are sold, and food trucks are allowed to sell food for a day. It has greatly increased traffic to the forest and has exceeded all expectations. The proceeds of the permits and donations the foundation collects from the event have gone to installing tent pads in the Rhododendron Campground.

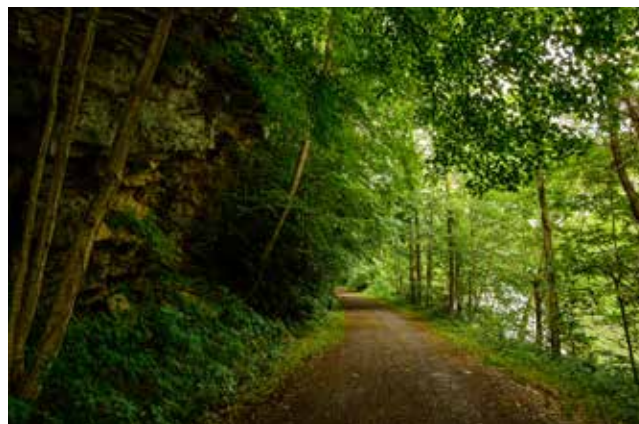
Coopers Rock Foundation and Morgantown Mountain Goats Disc Golf Club initiated a three-year planning project to build a disc golf course was initiated. The course is expected to be complete by fall 2020.

DROOP MOUNTAIN BATTLEFIELD STATE PARK

Double grills were installed at each shelter. Double bear-proof trash cans were installed at the Observation Tower. Gravel was placed at the tower turn around area, office parking area, and on the foot path from the office to the museum. Additional brighter LED lights were installed in museum. Numerous diseased ash trees and other hazardous trees were removed in the park. Briery Knob Overlook was improved by removing trees and limbs that had grown up over the past few years, partially blocking the view.

GREENBRIER RIVER TRAIL

The Caldwell parking lot solar lights were replaced with new brighter LED bulbs. With help from volunteers, a new vault toilet and bear-proof trash can were installed at Mile Marker 9.5. Repair work was done to a few bridges on the trail, including replacement of decking boards and railroad ties.



Greenbrier River Trail

GREENBRIER STATE FOREST

Cabin Bond Projects began this year with in-house renovation of the kitchens and bathrooms in four cabins. Four additional cabins had plumbing replaced and upgraded. Broadband service was installed at the pool and office areas. New campfire rings were installed throughout the campground. Simulated Workplace students completed the following projects: construction of a deck at Cabin 3, replaced roofing on Cabin 7, construction of 40 swimming pool benches, and five split-seat benches for cabins. The swimming pool had several integral components replaced in-house, including the variable frequency drive, main pool pump and motor, and wading pool pump/motor. The 4th Annual GSF Disc Golf Tournament, Greenbrier County Scout Day Camp, and Battle of Dry Creek Civil War Reenactment were held in the forest.

PARKS AND RECREATION

HAWKS NEST STATE PARK

Several projects were completed during the year to improve facility operations, enhance guest experience and protect park assets. New electric service and cabinetry were installed at the Trading Post in preparation for converting the facility to the seasonal Christmas Shoppe that opened October 1, 2018, for three months. The Lights Along Midland Trail Christmas display was renovated and reconfigured. A portable Gem Mining Sluice was added to the deck outside of the Canyon View Gift Shop. Several new activities were scheduled, such as Hawks Nest Trick or Treat, Murder Mystery Dinner, Comedy Club, Friday Movie Night on front lawn, Water Aerobics in the pool, Tai Chi and Aerobics in the conference room, SUP Yoga, and scheduled hikes with Active Southern West Virginia. The Vista Restaurant was successfully operated for a full year with special nights and events added.

New steps were constructed for access to Cliffside Hiking Trail, and the old fencing around the playground area was removed. New television cable was installed throughout the lodge, and new cabinetry and counter space was installed in the Conference Room for special events. New landscaping was completed throughout the areas adjacent to the Lodge, lower park and riverfront areas. New metal roofs were installed over the laundry and foundation building and over the walk-in freezer and restaurant storage building. A pre-constructed storage building for gift shop operations was erected at the “old” chiller location, and the old cooling tower was removed from the guest view on the forest view side of lodge. A Simulated Workplace Program was initiated with the Board of Education to provide a simulated work environment for “at risk” students. The park also participated with the Department of Rehabilitation Services to provide summer work for students.

HOLLY RIVER STATE PARK

Three new mini-split air conditioning units were installed in the restaurant. An original support log located high in the ceiling of the CCC-era “Old Pavilion” was replaced. The campground bathhouses received fresh paint, new faucet, new shower fixtures, new screens, and two bathhouses received new hot water heaters. Cabin 10 underwent extensive repairs, including new kitchen and bathroom linoleum, refinished floors in the living room, fresh paint, and bathroom renovation. Stream improvements by WVU and DNR Fisheries included new structures for fish habitat. The campground check-in station received improvements, including new false ceiling, paint, and upgrades for the internet reservation system. The park began using the new Camplife Reservation system at the park office and campground check-in station, and installed signage noting reservation changes throughout the park. Work continued on renovating the existing stone water fountains throughout the park. Staff began preparing cabins for the bond projects which were to begin in late 2019. Students from the Simulated Workplace Program built fire rings for each cabin.

KANAWHA STATE FOREST (includes Forks of Coal Natural Area)

The electricity was upgraded in the small bathhouse in the campground by Ben Franklin Career Center through the Simulated Workplace Program. A new campground office building was constructed. Electric upgrades were made to the campground sewage plant and several campsites. The bathroom project at Dunlop Hollow is ongoing. The floor was put in by Local 926 of the Plasterers and Masons Union, and the Lincoln County High School Career and Technical Center, through the Simulated Workforce Program, helped with laying block for the interior walls.

A \$50,000 grant from the Marmet Hospital Foundation was received for the installation of an ADA playground at the Spotted Salamander Nature Trail area.

The United Brotherhood of Carpenters Local 469 built and installed a new bridge at the Mary Ingles Trail head at Trace Fork while forest foundation volunteers painted the fence railing and kiosk. Ten baskets have been installed for the Disc Golf course, with groundwork completed for an additional eight holes. An Eagle Scout candidate built a kiosk which will contain a map of the course.

KUMBRABOW STATE FOREST

Historic CCC cabins received replacement logs along with fresh paint and roof improvements consisting of new shingles, flashing, drip edges, exterior trim and plank sheathing. With the implementation of the new online campground reservation system, new registration and instruction signage was developed and placed at the campground and office to provide information to campground guests. Repair and replacement work were done to the backboards at the ADA-accessible shooting range, a joint effort between Parks, Wildlife and Forestry staff.

LITTLE BEAVER STATE PARK

The staff at Little Beaver made multiple upgrades to the park this year, including installing a new 50-foot section of handrail on Lake Front Trail. A refurbished building was installed in Loop 2 to house future electrical components for the campground electrical upgrade. Several large high-risk trees were cut and removed from around shelters. The shelter rest room was updated with new lights, exhaust fans, and paint inside and out. Simulated Workplace Projects included manufacturing 18 new picnic tables to replace damaged and deteriorated picnic tables throughout the park. An Eagle Scout Project replaced a damaged walk bridge to the playground area. Little Beaver State Park hosted the annual Migration Celebration and the annual Kids Fishing Derby.

PARKS AND RECREATION

LOST RIVER STATE PARK

During the reporting period, wireless internet service was installed at all 26 rental cabins. The new online reservation system helped bring about an overall increase in cabin reservations during FY2019. Of note was the increase in last-minute reservations due to park guests being able to make reservations online. The park maintenance staff rebuilt a foot bridge leading to the historic Lee House. This is the last bridge of an overall project to replace all aging footbridges in the park. Staff also located and repaired a major break in the main sewer line that was allowing infiltration water to enter the system. New waterproof flooring was installed in the men's side of the pool bathhouse. Several wooden chairs and chair/table combination units were built by students in the Simulated Workplace Program. The students at the vocational schools built 52 benches that were placed around the fire rings at each cabin and some ADA picnic tables to be placed in several areas in the park. They also continued to build new woodsheds for the park cabins and two very nice new pipe gates that replaced old cable gates. Approximately 227 acres of land were donated to the park by Mr. and Mrs. John Knepper. Cabin renovations funded as part of the bond projects have been initiated.



Lost River State Park

MONCOVE LAKE STATE PARK

Both swimming pool pump motors were replaced, and the sand was changed in the swimming pool filter. Two new larger, more-efficient motors were installed at the sewage treatment plant in order to maximize system potential and provide more effective treatment. Several dead and potentially dangerous trees were removed by park personnel from the campground areas, cut into firewood, and sold to campers during the summer season. Extensive maintenance was performed by park staff on the Devil Creek, Grouse Knoll, and Diamond Hollow Trails. The Annual Wild Turkey Federation JAKES Day was hosted on the park September 7, 2018, with a record number of 89 attendees participating.

NORTH BEND RAIL TRAIL

By utilizing the Simulated Workplace Project, the park acquired five 12-foot pipe gates and 72 new 8x8 treated mile markers. Through the pollinator program, staff was able to plant 3 acres of pollinator strips along the trail. The park received grants this year through the North Bend Rail Trail Foundation, including one for \$100,000 to improve surface and drainage at the Eastern Trailhead. Another grant from Erie Insurance will be used to resurface two wooden bridges. By using matching funds in the amount of \$7,500, the NBRT Foundation was able to purchase a \$15,000 maintenance building that will provide a secure dry area for storing equipment, as well as providing a place to perform routine maintenance on trucks and tractors. Site preparation for the building was underway at the close of the reporting period.

NORTH BEND STATE PARK

The park completed several biodiversity improvements, including establishing a wildland meadow/pollinator garden, establishing and improving wetland areas and continuing to plant uncommon native species such as hazelnut, hawthorn, honeysuckle, wild plum, pipestem and grasses. The park partnered with the Master Naturalists Program to remove invasive species from ecologically important areas. Staff worked with a new statewide youth mountain bike race league, the West Virginia Interscholastic Cycling Association, to build a trail that meets standards to host future events. Bond projects included roofing and decks on eight rental cabins, new kitchen countertops and sinks, dishwashers in all nine cabins, and HVAC replacement in eight cabins.

PANTHER STATE FOREST

A major swimming pool leak was repaired by replacing a section of plumbing underneath the deck which had frozen and burst. The swimming pool, bathhouse, office and gas house building were painted. LED lighting was installed at the Group Camp. Shelves were constructed in the tool room and supply room at the Group Camp.

PINNACLE ROCK STATE PARK

The largest project of the year was an attempt to slow or eliminate the leak that has plagued Jimmy Lewis Lake since original construction. Progress through Phase 1 was encouraging, and the final phase was scheduled for late 2019 or early 2020. This will ensure Jimmy Lewis Lake will once again be a year-round recreational resource. Renovations at the WPA shelter were completed to restore it to its original condition. With the assistance of members of the surrounding communities, the park established a new foundation called "Friends of Pinnacle Rock State Park."

PARKS AND RECREATION



Pipestem Resort State Park

PIPESTEM RESORT STATE PARK

A concession agreement for the operation of new park adventure activities consisting of Zipline, Water Adventure Lake, and Splash Park began with the opening of the zipline. Several areas of the park were renovated, including the front desk area of McKeever Lodge and the dining area of Mountain Creek Lodge. Other improvements included replacing Mountain Creek walkway decking. Replacing lighting on the portico, adding stonework to the lodge ramp columns, installing a laundry ramp, repairs to the boilers and chiller system, elevator motor replacement, and new window treatments in the front desk area, sales office, lobby gift shop and Call Center were all completed at McKeever Lodge. Repairs were made to the decking and stairs of Bolar Observation Tower. HVAC systems were replaced in seven cottages and the gift shop area. LED lights were installed throughout the park. The Black Bear and employee break room located at McKeever Lodge underwent renovations. Several bond projects were completed or are underway. Blinds were purchased for the Mountain Creek Dining Room along with tables and chairs. A large deck with an accessible ramp was constructed at Mountain Creek Restaurant. Bids were awarded to install HVAC units in 14 cottages, and new appliances were purchased for all 26 cottages. Lamps, window treatments, beds, tables, chairs, mattresses and Fiesta dinnerware were purchased for Pipestem cottages. Roofs were replaced on the dressing rooms at the amphitheater.

PRICKETT'S FORT STATE PARK

Seven free outdoor concerts were held in the park in FY2019. Weekly summer programs "Colonial Kid's Day" and "Hearth Cooking" remained popular. Repairs were made to the steps in the amphitheater, a circulation pump was replaced in the sewage treatment plant, and a 50-foot section of fence was installed in front of the Job Prickett House. Repairs were made to the courtesy dock at the boat launch and to the rest rooms.

SENECA STATE FOREST

Cabin renovations included refinishing the floors in three cabins, replacing some gas light fixtures, and constructing new steps to the hand pump at Cabin 1. A TV/DVD player was installed in the office gift shop area to show pictures, videos and guest information. The gable ends of the shelter over the picnic table at the Fire Tower were enclosed and the steel fire ring was replaced. Signage was installed at the campground relating to the new reservation system. Dead and dangerous trees were removed in the cabin areas and campground. Tri-State Company relocated 2.2 miles of the Allegheny Trail, which included construction of a footbridge over Laurel Run and a trail head parking area with information kiosk. Seneca Lake received a "Gold Rush" stocking in the spring, which was popular with guests. Volunteers donated 469.5 hours assisting with such tasks as trail maintenance, handling firewood and grounds maintenance.

STONEWALL RESORT STATE PARK

A new ratcheting cable anchor system was installed at the marina to provide additional support during inclement weather. Replacement of all marina deck boards began this year as well. The resort increased the number of GPS equipped golf carts and completed construction of an additional cottage. An escape room attraction was added to the resort's available activities, and a second was being built at the end of the reporting period. The lodge and other facility exteriors were painted. Internet service was upgraded for the lodge, conference center and campground. The park continued to host the National Hunting and Fishing Days, one of the largest events at the resort and a highlight for all sections of the Division of Natural Resources.

TOMLINSON RUN STATE PARK

Staff implemented the new Camplife Reservation and Point of Sale system at the campground and swimming pool. The park foundation paid to have new carpet installed on the 18-hole mini-golf course. The foundation also purchased a new food concession trailer for their weekend breakfast fundraisers. The Simulated Workplace Program participants started building a camping cabin that will be complete and in service for the 2020 camping season. The campground sewer project was completed, and the campground was connected to the local PSD. The old sewage treatment plant was removed, and the area graded and seeded. The conduit for future internet service at the campground and park office was installed. Staff worked on bids for the paddle boats, fire ring/grills and pool lounges as part of the recreational bond purchases.

PARKS AND RECREATION

TU-ENDIE-WEI STATE PARK (Point Pleasant Battle Monument)

The focus for FY2019 was routine maintenance of existing facilities. The biggest accomplishment was the painting of the flagpole through donations. Plans were made for projects that will be completed through the Simulated Workplace Program including upgrades to the Mansion House electric service, some structural changes to the maintenance shop, and repairs to the building housing the Panther Stone.

TWIN FALLS RESORT STATE PARK

During the reporting period, staff made improvements in the golf course drainage system and removed more than 100 trees from various locations on the golf course to improve air flow in order to reduce problems with turf diseases and fungi. The size of both the fairways and the greens was expanded to improve play. Number 6 green was relocated to speed play and to make the hole more golfer friendly.

The park initiated the new Camplife Reservation and Point of Sale (POS) systems. The transition included entering all the inventory for the three retail locations: Sunshine Gift Shop in the lodge, the Golf Pro Shop, and the campground contact center. The system allows park users to make online reservations for campsites and picnic shelters and has been well received by both park staff and the public.

Staff renovated the old museum building that had been closed for a few years into a new Nature Center, relocating the center from a poor location at the lodge. This allowed expansion of special events and nature programs, which led to more than a 75% increase in participation and attendance. Major repairs were made to the Monarch Lodge HVAC system to allow the reopening of ten rooms that were closed.

All the firewood boxes at the cabins were replaced through the Simulated Workplace Program. New grills were installed at all picnic shelters.

Working jointly with American Electric Power, park staff made major upgrades to the 7,200-volt primary electrical distribution system. This included clearing and trimming back three miles of primary right of way. Two new roads were built to allow quicker service and maintenance access to the primary right of way.

TYGART LAKE STATE PARK

During the reporting period, two lodge rooms were remodeled to comply with ADA standards. New ADA compliant roll-in showers and new toilets were installed. New floor tile was installed in the bathrooms and room entry ways. New double sinks and vanities were installed at a lower height to meet ADA requirements. A 1,200 square foot concrete stamped patio was added to the front of the lodge, overlooking the lake. One-half of the patio contains furniture for outdoor dining, the other half is equipped with lounge chairs, rocking chairs and two outdoor LP fire pits. The dining area is surrounded by iron railing. A wooden deck overlooking the lake was added in front of the lodge. The deck serves as an observation deck and entrance to the trail leading to the courtesy boat dock. The trail leading to the courtesy dock was widened and received a crushed stone surface. The lodge parking area retaining wall was painted and the lodge upgraded with energy efficient LED light bulbs.

The boat ramps were widened to two lanes and received courtesy docks and ADA compliant walkways. The marina entrance and exit were widened to allow safer traffic flow. The northern end of the parking area was enlarged and paved to accommodate more than 100 vehicles with trailers. Cabin 11 and the campground bathhouse received new metal roofing. A cabin remodel project was started near the end of 2018. Cabins 1 through 10 received new doors, windows, kitchen cabinets, countertops, dishwashers, furniture, dishes, window treatments, bedding, deck furniture, HVAC system, flat screen TVs and DISH Network. Two cabins received new tile in the kitchen areas. A new campground attendant building was installed in the campground. Campsites sites 1 through 10 have been redesigned. These sites have received new electric hook-ups, the addition of water hook-ups, new gravel pads for camping units and new fire rings. A courtesy boat dock was installed for cabin guests.

A new motor and blower for aeration was installed at the cabin wastewater treatment plant. A new pump was installed in the cabin and campground sewage lift stations. Approximately 5,700 feet of conduit was buried in preparation of Wi-Fi being installed to the beach, park office, cabin and campground areas soon.

PARKS AND RECREATION

VALLEY FALLS STATE PARK

The gift shop facility was delivered to the park in November 2018. The building was purchased by the park foundation as a replacement for the souvenir trailer previously used. The park built an ADA accessible ramp and concrete sidewalk to the new facility and installed signs. Repairs were made to Shelter 2 after three trees fell on it during a severe storm. The park hosted two mountain bike races, a car show, a kayak event, and saw whet owl banding, as well as many weddings and gatherings throughout the year.

WATOGA STATE PARK (includes Calvin Price State Forest)

Dead and dangerous trees were removed from around the cabins in Bucks Run and Pine Run as well as the Riverside Campground. The shower stalls at the lower bathhouse at Riverside Campground were upgraded with ceramic tile and new fixtures. Four Classic Cabins and one Legacy Cabin were remodeled by contractors. Improvements include new decks, furniture, beds, kitchen and bath renovations. Staff completed two major sign replacement projects where most signage on the park, as well as all cabin number posts were replaced. All existing boat docks were removed, repaired and new floats were added. More than 100 feet of new floating docks were constructed and added to the existing boat rental docks. Eight Legacy Cabins were remodeled. Kitchens and baths were updated, on-demand water heaters installed, and new living room furniture added. Fifteen campsites at Beaver Creek were expanded and leveled. Wooden borders were added to most sites and new gravel was added.



Watoga State Park

WATTERS SMITH MEMORIAL STATE PARK

Four interpretive sign displays were installed in the historical area. An outdoor display stove was constructed by United Technical Center to show how a smokehouse was used. The barn located on Hidden Valley Road had siding replaced on two weathered sides, and the entire structure was treated for termites. Roof removal with new runner and trim boards was also completed. Pioneer Shelter rest room siding and roof were replaced.

The Activity Building received extensive renovations, including replacement of deck and rail boards, structural log replacement, new flooring in upper and lower level rental rooms, and new tile and stall partitions in the downstairs rest rooms.

Two birding platforms with interpretive signage were constructed on Dogwood and Burr Smith Trails. Local mountain bikers and park staff designed a 3-mile beginner mountain bike trail that will be professionally constructed. A large bridge was constructed on Burr Smith Trail that crosses Duck Creek, and the fencing around the cemetery located on the trail was replaced. A spur was constructed on the trail leading to an old metal bathtub that was used to water cattle. A new one-half mile trail named The Sawmill was built between Black Cherry and Dogwood trails. An interpretive sign was placed near the location detailing the small sawmill operation the Smith family ran.

United Technical Center constructed the following for the park's trails: 12 information boards, four trail tool boxes, a weather shelter, four native pollinator structures, 50 feet of boardwalk framing, and interpretive sign display. South Harrison High School National FFA Organization constructed 12 picnic tables and grew flowers for the park grounds.

Ash tree removal was finally completed with removal of more than 60 stumps from parks grounds. The park hosted an annual mountain bike race and United Way Trail race.

WVDNR

PLANNING,
ENGINEERING AND
MAINTENANCE

Bradley S. Leslie, *Chief Engineer*



PLANNING, ENGINEERING AND MAINTENANCE

Overview

The Planning, Engineering, and Maintenance Section (PEM) serves the Division of Natural Resources through many functions. PEM is responsible for the proper planning of all significant capital improvement projects, as well as major maintenance projects; all construction or consulting related to bidding documents and overseeing their ultimate proper disposition through the Division of Purchasing; and representing the agency as the owner for all significant construction and architectural/engineering projects by providing administration for these contracts.

The Planning Engineering and Maintenance Section is also tasked with assisting in and ensuring the compliance of federal and state environmental regulations by all sections of the DNR. We maintain the agencies West Virginia National Pollutant Discharge Elimination System permits and provide support to the sub-agencies in their compliance, recordkeeping, and reporting.

PEM provides technical support primarily to the Wildlife Resources Section and Parks and Recreation Section, but also to the Administration and Law Enforcement sections. This support includes technical advice for building maintenance and improvements, environmental compliance, water and wastewater treatment, and infrastructure repairs and improvements.

The PEM office is responsible for monitoring and maintaining certain systems as they relate to public safety. Proper inspection, maintenance and repairs are required to maintain public safety for the agency's dams, ski lifts, aerial tramways, surface lifts, and nautical vessels. This very important function of PEM is accomplished by striving to ensure compliance with codes and standards which are more stringent than state code, in many instances.

PEM also works with FEMA and the State Division of Homeland Security, following the occurrence of a state disaster, to submit reports of damages, see that damages are repaired, and that the state is properly reimbursed.

Substantially Completed Projects as of June 30, 2019, Including 17 projects for Parks Section and 19 for Wildlife Resources Section (completed between June 2018 and June 2019)

- Audra SP Old Bathhouse Demo
- Beech Fork SP Campground Electrical & Water Upgrade
- Blackwater Falls SP Lodge North Stairway Replacement
- Blackwater Falls SP Lodge Pool HVAC
- Bluestone SP Electrical Repairs
- Bowden Hatchery Emergency Water Supply Repairs
- Cabwaylingo SF Group Camp HVAC Renovations
- Canaan Valley Resort SP Golf Clubhouse Septic System Installation
- Canaan Valley Resort SP Lodge Chiller Replacement
- Chief Logan SP Wading Pool Repairs
- Conaway Run Dam Renovations
- District 2 Office Necropsy Lab
- District 2 Roofing Project
- District 3 Office Painting
- District 3 Office Lot Paving
- Edray Hatchery Water Supply Repairs
- Elk River WMA Headquarters and Shop/Storage Building
- Forks of Coal Infrastructure Project
- French Creek Wildlife Trail Paving
- French Creek Animal Heated Watering Boxes
- French Creek Facility Electrical Repairs
- Good Hope Boat Ramp Construction
- Hill Crest WMA Shooting Range Renovation
- Little Coal River Boating Access Site
- Neola WMA Roof Replacement and Building Repair
- Pipestem Resort SP Mt. Creek Lodge Access Road Repairs
- Pipestem Resort SP Sprayground Facility
- Pipestem Resort SP Zip Line
- Reeds Creek Hatchery Raceway Repairs
- Tomlinson Run SP Wastewater Connection to PSD
- Tygart Lake SP Boating and Parking Improvements
- Tygart Lake SP Landslide Repair
- Tygart Lake SP Dining Area Patio
- Winfield Boating Access Facility
- Wallback WMA Headquarters Roof Replacement
- Watoga SP Cabin Renovation Project

PLANNING, ENGINEERING AND MAINTENANCE

Construction and Design Projects in progress as of June 30, 2019 or after (including 49 projects for Parks Section and 19 for Wildlife Resources Section)

- Audra SP Septic System
- Babcock SP Water Line Replacement
- Babcock SP Cabin Area Electrical System Renovation
- Babcock SP Supply House Roofing Project
- Bowden Hatchery Renovation Project
- Beech Fork SP Lake Dredging
- Berkeley Springs SP Old Roman Bathhouse Remodel
- Blackwater Falls SP Lodge Main Entrance Canopy
- Blackwater Falls SP Wastewater Treatment and Collection System Repairs
- Blackwater Falls SP Lodge Redecoration
- Cacapon Resort SP Lodge Addition
- Cacapon Resort SP Lodge Water and Sewer Improvements
- Cacapon Resort SP Golf Course Drainage Improvements
- Canaan Valley Resort SP Lodge Roof Repair
- Canaan Valley Resort SP Wastewater Treatment and Collection System Repairs
- Cass Scenic Railroad SP Emergency Lift Station Repairs
- Cass Scenic Railroad SP Wastewater Collection System Renovations
- Chief Logan SP Water Line Replacement
- Chief Logan SP Wastewater Improvements
- Chief Logan SP Water Slide Replacement
- Coopers Rock SF Water and Wastewater Improvements
- District 2 Fish Lab Furnishings
- District 2 and 3 Office Renovations
- District 6 Office Design
- Elk River Boating Access Sites (Five Sites)
- Fairfax Dam Improvements
- Frozen Camp WMA Headquarters and Shop/Storage Building
- Greenbrier SF Water Line Connection to the PSD
- Guyandotte Boating Access Facility
- Handley WMA Headquarters and Shop/Storage Buildings
- Hawks Nest SP Lodge Structural Repairs
- Hawks Nest SP CCC Museum and Pavilion Renovations
- Hawks Nest SP Lodge Redecoration
- Little River WMA Roofing Project
- Meadow River Boating Access Sites (2)
- North Bend Rail Trail Culvert Repairs
- North Bend SP Water Line Replacement
- North Bend SP Wastewater Improvements
- North Bend SP Lodge Landscaping
- North Bend SP Lodge Redecoration
- North Bend SP Cokeley Branch Campground Improvements
- North Bend SP Event Shelter
- Pipestem Resort SP Upper and Lower Tram Structural Repairs and ADA Improvements
- Pipestem Resort SP Wastewater Treatment and Collection System Repairs
- Pipestem Resort SP Lodge Redecoration
- Pipestem Resort SP Outdoor Pool Demolition
- Pipestem Resort SP Campground Improvements
- Reeds Creek Hatchery Sludge Removal Project
- Ridge Hatchery Water Supply Rehabilitation
- Rollins Lake Dams Repair
- Summersville Lake WMA Headquarters and Shop/Storage Buildings
- Kanawha River Boat Access Site/South Charleston
- Tomblin WMA Headquarters and Shop/Storage Buildings and Elk Observation Tower
- Tomlinson Run SP Bathhouse
- Tomlinson Run SP Pool Slide Replacement
- Twin Falls Resort SP Structural Repairs
- Twin Falls Resort SP Event Shelter
- Twin Falls Resort SP Golf Course Irrigation System
- Twin Falls Resort SP Outdoor Pool Replacement
- Turkey Run Dam Repairs
- Tygart Lake SP Lift Station Repair
- Tygart Lake SP Wastewater Improvements
- Upper Decker Creek Dams Improvements
- Waters Smith Memorial SP Master Plan
- Waters Smith Memorial SP Event Shelter
- Watoga SP Wastewater Improvements
- Watoga SP Water Line Replacement
- Watoga SP Swimming Pool Renovation



WILDLIFE RESOURCES

Paul Johansen, *Chief*



WILDLIFE RESOURCES

The Wildlife Resources Section (WRS) is responsible for the management of the state's wildlife resources for the use and enjoyment of its citizens. The primary objective of the Section is to maintain and perpetuate fish and wildlife at levels compatible with the available habitat, while providing maximum opportunities for recreation, research and education.

Operations Unit

INFORMATION, EDUCATION AND OUTREACH PROGRAM

On March 11–12, 2019, public meetings were held at 12 locations around the state to present proposed regulation changes to hunters, anglers, and other interested individuals. These meetings provided an opportunity for the public to interact with agency personnel, provide recommendations, and ask questions that related to these regulation proposals and other agency programs.

The WRS staff assisted conservation and civic clubs, schools, and communities with various wildlife-related inquiries and informational needs. These activities included working with organizations and events such as the Boy Scouts, 4-H clubs, Envirothon, hunting, trapping, and fishing-based clubs, nature tours, outdoor and hunting shows, fairs, training schools and the National Hunting and Fishing Days Celebration. Cooperation was given to universities and colleges by staff serving as guest lecturers.

The West Virginia State Wildlife Center continued to provide an excellent opportunity to observe and learn about the Mountain State's abundant wildlife of both past and present. In 2018, 37,639 visitors visited the facility and generated \$85,313.75 in total admissions. The Wildlife Center offered several special events that included Groundhog Day, National Hiking Trails Day, West Virginia Day, a 3rd annual primitive "Rendezvous," Fall Hayrides, and Spooky Nights Tours. In 2018, the Wildlife Center underwent numerous infrastructural renovations that included a roof replacement on an Information and Education Building and pavement of several sections of the main walking trail. The facility also had 14 automatic watering units replaced that will help to provide a constant supply of fresh water year-round to the animals.

In 2018–2019, more than 160 hunters had a deer scored by an official WVDNR scorer, or affiliated scorer, certified through the Boone and Crockett Club and/or Pope and Young Club. During the 2018 hunting season, 86 bucks were harvested with a gun, muzzleloader, bow, or crossbow, and met the requirements of the WV Big Buck Certification Program. An additional 19 bucks from previous years were officially scored and met the requirements for a WV Big Buck Certificate. There are currently 16 WVDNR wildlife biologists and wildlife managers throughout the state who are certified as official scorers by the Boone and Crockett Club and/or Pope and Young Club.

Staff conducted or assisted in more than 22 fishing education events involving more than 2,000 participants. These events included National Fishing and Boating Week, Hooked on Fishing Not on Drugs, Outdoor Classrooms. Staff worked at Junior Conservation Camp, wrote and administered the Wildlife Exam for the West Virginia Envirothon.

The WRS sponsored and provided ideas, technical assistance, and interviews for West Virginia Wildlife; a weekly 90-second TV segment shown on six newscasts on two stations in the Charleston-Huntington-Beckley market. The weekly West Virginia Outdoors and DNR Report radio programs with Chris Lawrence were broadcast over 17 Metro-News-affiliated stations throughout the state.

The West Virginia Recruitment, Retention, and Reactivation (R3) Strategic Plan

As hunting and angling participation trends decline, faced with societal changes, and recognizing a better need to connect West Virginia citizens with the outdoors, the WVDNR initiated the development of a Recruitment, Retention, and Reactivation (R3) strategic plan to guide future efforts and program development. Plan development began in February 2018 with a 1.5-day workshop that included 55 employees from various WVDNR sections. Three additional workshops followed in which staff members focused on developing goals and strategies to maintain and increase participation in hunting, angling, boating, shooting sports, and wildlife viewing. A draft of the R3 strategic plan was shared with WRS staff members. Once feedback is received and the final draft is completed, an R3 summit will be held with key stakeholders for input and feedback.

WILDLIFE RESOURCES

INFORMATION, EDUCATION AND OUTREACH PROGRAM CONTINUED ...

West Virginia's Archery in the Schools Program

In the 14th year of operation, this program reached more than 300 schools. During FY2019, WVDNR hosted 10 Basic Archery Instructor Training courses, adding an additional 143 instructors to the program. Additionally, one Basic Archery Instructor Trainer class was held adding an additional 11 trainers. The 2019 Archery in the Schools State Qualifying Tournament was held with 1,369 students from 78 schools participating. Of these participants, 572 students from 63 schools participated in the state tournament held at the Chris Cline Athletic Complex at Marshall University. West Virginia had 320 students from 34 schools participate in the Eastern National Archery in the Schools Tournament in Louisville, Kentucky. Additionally, 55 students, representing 11 schools, participated in the National Archery in the Schools Open/World Tournament, which was held in Nashville, Tennessee.

Hunters Helping the Hungry

The Hunters Helping the Hungry (HHH) program is a cooperative effort that involves the WVDNR, hunting community, meat processors, Mountaineer Food Bank, Facing Hunger Foodbank, and a statewide network of more than 600 food pantries, shelters, churches, children's homes, and similar groups. Since its inception in 1992, the HHH has provided 1,003,208 pounds of venison. In 2018, hunters donated 685 deer (23,659 pounds of venison) that contributed to approximately 31,545 meals. In 2018, program costs (e.g., processing and transport) were \$48,032.35. Many of these costs were offset by donations from the annual "Share the Harvest Sunday," the "Governor's One Shot" fundraiser, and the generosity of private individuals. The WVDNR is prohibited from using license revenue to fund HHH and must rely upon these generous funding sources to successfully operate the program.

National Hunting and Fishing Days – Stonewall Resort State Park

West Virginia's Celebration of National Hunting and Fishing Day provided the public with hands-on learning opportunities in the area of wildlife and outdoor recreation. The WVDNR teamed up with the West Virginia Wildlife Federation to promote and coordinate this event held Sept. 22 and 23, 2018. More than 4,000 were in attendance to try their hand at everything from archery, rifle and shotgun shooting, fly-fishing, and bow fishing, to list only a few activities. In addition, attendees also had the opportunity to sit in on several wildlife demonstrations and visit approximately 75 vendors at the event.

Outdoor Youth Challenge

The Outdoor Youth Challenge (OYC) is held annually at West Virginia's Celebration of National Hunting and Fishing Day. During the two-day 2018 event, more than 1,200 young people were exposed to many hands-on activities and displays that encouraged them to gain knowledge and experience about wildlife, hunting, fishing, firearms safety and outdoor recreation. Youth can choose to only participate or to compete in events. Numerous door prizes were given out, with two lucky recipients receiving a lifetime combination hunting, trapping and fishing license. WVDNR Law Enforcement personnel coordinate the OYC with the assistance of WRS personnel.

CAPITAL IMPROVEMENTS PROGRAM

The WRS continued its successful capital improvements program to enhance opportunities for hunters, anglers, and other wildlife recreationists. Funds for capital improvements are primarily derived from 10 percent of the hunting and fishing license revenues and from the purchase of Conservation Stamps by licensed hunters and anglers. This program provides facilities, such as wildlife management areas, shooting ranges, fishing and boating access sites, physically challenged accessible hunting and fishing facilities, fish hatcheries and dam improvements for the benefit of hunters, anglers, shooting sports participants and boaters.

The year's major accomplishments were:

1. Construction of an office/storage building complex at Elk River Wildlife Management Area in Braxton County.
2. Improved the freshwater intake at Bowden State Fish Hatchery in Randolph County to prevent ice clogging.
3. Increased public access to the Kanawha River in Putnam County through the creation of a new 2-lane boat ramp and parking area in the town of Winfield.
4. Improved access to the Little Coal River by expanding parking and installing a concrete ramp near the 119 Bridge near the Forks of Coal, Lincoln County.
5. Completed dam rehabilitation at Conaway Run Lake in Tyler County.
6. Upgraded facilities and improved safety at Hillcrest Wildlife Management Area Shooting Range.

GEOGRAPHIC INFORMATION SYSTEMS (GIS) AND TECHNICAL SUPPORT PROGRAM

Support of annual projects included producing game harvest summaries, summarizing spring gobbler survey results, summarizing responses from the grouse cooperators survey, summarizing bow hunter survey results, processing antlerless deer and black bear eligibility notices for mailing, summarizing statewide hunter prospects and mast surveys. Staff prepared and submitted fiscal notes on legislation during the 2019 legislative session.

Staff provided technical assistance and training on GIS and Global Positioning Systems (GPS) data acquisition and dataset development, GPS data management, GIS application use, cartography, large-format printing, and spatial data analysis. Traditional Trimble GPS data collection, ArcGIS Survey123 and Avenza Maps on mobile devices were tested for field use. Staff provided geospatial services and support for projects operating statewide to ensure the collection of accurate locations of field survey data. GIS capabilities were employed across the agency and ongoing staff instruction was provided by request.

GIS and Technical Support maintain managed over three terabytes of natural resource base mapping information ranging from statewide aerial photography, satellite imagery, topographic maps, soil surveys, geology, elevation models for visualization and watershed modeling, streams, wetlands, public fishing lakes, lake depth, demographics, political boundaries, land use/land cover, and other natural resource datasets. Use of these GIS datasets by agency staff continued to grow and become incorporated into the daily workflow and basic analysis of project data for management of state lands.

Staff responded to requests for data from consultants, partners, and other federal, state, and non-governmental organizations as needed. Staff provided data as appropriate to support WRS projects and activities. Species database support, GIS analysis, data organization, metadata, and map layouts continued for Conservation Focus Area Plans as part of State Wildlife Action Plan annual updates and revisions. Staff maintained several GIS-based tools and projects, providing data updates, and training support.

The Hunting, Trapping, and Fishing interactive online map continued to be hosted by the WV GIS Technical Center (WVGISTC). This tool provided the public with increased access to Wildlife Resources Section facilities including Wildlife Management Areas, stream access sites, float trips, check stations, license agents, physically challenged or Class Q opportunities, district office contact information, and links to online resources for license purchases and regulations. Staff collected, processed, and added to the lake depth data in the past year.

Staff initiated a project with West Virginia University's Natural Resource Analysis Center to update land cover for West Virginia. More detailed natural classes were explored for use in Wildlife Management Area planning, species distribution and habitat modeling, and other statewide projects.

The Interagency Coordination Tool was maintained in cooperation with the Natural Resources Conservation Service (NRCS), US Fish and Wildlife Service, and WVGISTC to analyze project areas for threatened and endangered species. The online tool generated appropriate conservation practices to assist NRCS personnel in protecting these species as they develop projects.

GIS Staff continued to develop and train WRS staff on the use of the Watershed Resources Registry (WRR). The WRR is an online mapping tool that allows staff to coordinate with other agencies (EPA, DEP, USACE, USDOT, DOH, etc.) more effectively; identify candidate locations; assess and compare potential projects; export data and print site maps for field visits; and input a site visit form connected to a point on the map.

WILDLIFE RESOURCES

ENVIRONMENTAL COORDINATION PROGRAM

Hydropower

Staff consulted with WV Department of Environmental Protection (WVDEP), US Fish and Wildlife Service (USFWS), U.S. Army Corps of Engineers (USACE), and the Federal Energy Regulatory Commission (FERC), applicants, and operators on hydropower projects in West Virginia. Actions were taken on 14 licensed and active hydropower projects ensuring compliance with Clean Water Act conditions and FERC license articles. Five projects remained in varying stages of construction. Compensatory mitigation for the loss of aquatic resources continued for 19 licensed projects. The Racine Hydroelectric Project continued to progress through the relicensing process with the expected date of license certification in 2023. The Lake Lynn Hydroelectric Project submitted a notice of intent to begin the relicensing process for the expected licensing date of 2024.

Wind Power

One new wind power project was proposed for West Virginia: Beech Ridge II in Greenbrier County. This facility is adjacent to the existing Beech Ridge Wind Facility and proposed 20 new turbines. Coordination continued with Clearway Energy Group for the Black Rock Wind Facility in Grant and Mineral counties. Wildlife surveys continued for bats and eagle nests.

Gas and Oil

Coordination concerning Habitat Conservation Plans (HCP) continued with American Electric Power (AEP) and the Oil and Gas Coalition. AEP proposed a 30-year HCP that would allow take of 15 federally listed species in 11 states; five of these species are in the southern half of West Virginia and counties along the Ohio River. The Oil and Gas Coalition HCP proposed a 50-year HCP which covered West Virginia, Ohio and Pennsylvania. The purpose of this HCP is to allow take of federally listed and sensitive bat species, while establishing conservation areas.

Staff provided coordination with the natural gas industry in an attempt to mitigate impacts to our charge resources. Staff reviewed various applications for oil and gas-related activities, including well locations, pipeline activities and fractionation plant development. Technical support was provided to WVDEP Office of Oil and Gas and to Waste and Water concerning impacts to fish and wildlife associated with oil and gas production and transmission. Support was also provided to Fish and Game Management Units, the Division of Forestry and the State Parks and Recreation Section for oil and gas activities on Lewis Wetzel WMA, Frozen Camp WMA, Underwood WMA, O'Brien Lake WMA, Burnsville Lake WMA, Kumbrabow State Forest and Seneca State Forest.

Staff researched, developed, analyzed and implemented a process to assess impacts and provide conservation measures for forest fragmentation resulting from natural gas pipeline construction on public and private lands. Funding from industry was provided as conservation measures for replacement of core forest areas. Cooperative agreements were developed with The Conservation Fund to serve as a fiduciary for these funds. Funding has been received or committed for habitat replacement projects. In addition, funding was provided to The Wildlife Endowment Fund to provide a revenue stream for future management activities associated with core forest acquisition and management.

Technical assistance continued with WVDEP concerning stream impacts from construction of transmission lines and gas fractionation facilities and the associated stream restoration projects required as mitigation. Staff aided WVDEP, USACE and USEPA in review of Clean Water Act Section 404 violations at numerous oil and gas construction sites and related wetland, stream mitigation, and restoration activities. Assistance was also provided to industry and USACE related to development of Best Management Practices for stream crossing activities. Staff provided continued support to the USFWS in protecting their charge resources potentially impacted by the oil and gas industry. National Environmental Policy Act review, as a cooperating agency, was provided to FERC for several proposed natural gas pipelines.

ENVIRONMENTAL COORDINATION PROGRAM CONTINUED ...

Clean Water Act 404/401 and Section 10

The Coordination Unit continued to provide technical support for Clean Water Act (CWA) Section 404/401 and River and Harbors Act Section 10 certifications to WVDEP under our long-standing Memorandum of Understanding. Staff reviewed and submitted comments for wetland and stream restoration, economic development projects, etc. Considerable mitigation in the form of avoidance, reduction of potential impacts, restoration, and enhancement of aquatic resources was secured as a result of these efforts. Considerable time and effort were expended on proposed dredging activities for commercial sand and gravel extraction in the New Cumberland Pool of the Ohio River (Hancock County). Staff consulted with Wildlife Diversity and Fisheries staff to develop special conditions for the 401 permit that would lessen impacts to freshwater mussels, fishes, and habitats within the area of impacts for the project. A unique and mutually agreed upon compensatory mitigation packaged was negotiated and a 401 authorization was issued by WVDEP.

Staff continued to participate in the National Environmental Policy Act process for several West Virginia Division of Highways (WVDOH) major projects (Corridor H, King Coal Highway, US 35) and numerous smaller transportation improvement projects. Eighty-four bridges, 61 culverts, 28 bank stabilizations and five flood-damaged structures were reviewed with comments submitted to WVDOH and/or WVDEP.

Staff reviewed approximately 40 Stream Management Plans submitted by the West Virginia Conservation Agency (WVCA) on behalf of individual landowners to accomplish relatively minor bank stabilization and channel improvement projects.

Staff responded to requests from WVDOH, local officials, state officials, and numerous watershed groups for information on permitting issues relating to wetland/stream disturbance, mitigation obligations, permit compliance, Natural Stream Design, flooding and other related topics. Staff provided review and comment on potential endangered species issues to WV Voluntary Organizations Active in Disaster Relief regarding flood-related private bridge repair/replacement projects.

WILDLIFE RESOURCES

ENVIRONMENTAL COORDINATION PROGRAM CONTINUED ...

Mitigation Banking and In-Lieu Fee

Staff served on the Interagency Review Team (IRT) to review, comment and approve Mitigation Banks and In-Lieu Fee (ILF) projects. Staff attended field reviews and provided design input for the development of several newly proposed mitigation banks. Staff verified yearly monitoring reports and conducted field reviews at existing mitigation banks. Staff coordinated ILF projects including major stream and wetland restoration projects on Hillcrest WMA, Old Field Fork, Tug Fork WMA, Frozen Camp WMA, Mill Creek WMA, McClintic WMA, Greenbottom WMA, Lakin State Farm, and Dunloup Creek. There were 48 projects being administered by the IRT during 2018. Staff developed monitoring report templates to be used by consultants. The templates should reduce time required to review monitoring reports. Staff coordinated with WVDEP in the development of a rapid functional assessment for wetlands that will be utilized to determine credit and debits for wetland impacts and aid in the monitoring of our state wetlands.

Regional Permits

Two Regional General Permits (RGP) required attention this reporting period. The WVCA utilized their RGP to expedite authorization of steam recovery projects (removal of channel blockages, bank stabilization, debris removal, channel restoration) after declared disasters. The WVCA RGP expired last reporting period and staff actively coordinated with WVDEP, WVCA and the USACE to improve and re-issue the RGP this reporting period. The WVDOH requested the development of an RGP to cover common activities related to road construction and maintenance. Staff worked with WVDEP, USACE and WVDOH staff to formulate the new WVDOH RGP.

Spawning Waivers

Staff received, reviewed, coordinated and documented the issuance of fish spawning season restriction waivers, as required by the WVDEP's 401 Water Quality Certification Standard Condition #12. This work requires coordination with WRS biologists, consultants, industry, private residents, as well as state and federal agencies. Approximately 200 waiver requests were received and reviewed during the 2019 cold and warm water fish spawning seasons.

Refuge Coordination

Staff continued working with USFWS to revise hunting, trapping and fishing regulations on Ohio River Islands National Wildlife Refuge and Canaan Valley National Wildlife Refuge. Coordination continued with minor projects requiring NEPA review for the USFS on the Monongahela National Forest.

Natural Resource Damage Assessment

Staff served as lead contact for a Trustee Council associated with the Hanlin-Allied-Olin Natural Resource Damage Assessment. This task required coordination with multiple WRS employees, WVDEP, USFWS, as well as the responsible parties for the damage. This project may result in compensation for long term industrial impacts that occurred in the Hannibal Pool of the Ohio River.

Collection Permits and Data Base Review Requests

Three hundred ninety-seven Scientific Collecting Permit applications were reviewed and issued to researchers, consultants, government agencies, and educators. Most permits were issued to consultants conducting presence/absence surveys or performing biomonitoring required by other agencies. More than 800 projects were reviewed for the occurrence of rare, threatened and endangered species. These included flood-related bridge projects, projects in need of USACE permits, broad band transmission towers and coal mining activities.

Game Management Unit

PUBLIC LANDS PROGRAM

The WRS Game Management Unit conducted habitat management and law enforcement activities on 99 Wildlife Management Areas (WMAs) and eight state forests totaling 498,252 acres. Acquisition of public lands and unique habitats continues to be a priority, especially in targeted regions of the state.

Fee acquisitions were made to the Hilbert WMA (9 acres), Chief Cornstalk WMA (69 acres), Beury Mountain WMA (1,286 acres), Wallback WMA (261 acres), Sleepy Creek WMA (5 acres), Shannondale WMA (61 acres), Lewis Wetzel WMA (49 acres) and Big Ugly WMA (75 acres) and Ritchie Mines WMA (2,134 acres).

Fee simple additions, which were previously under lease arrangements, were made to Short Mountain WMA (452 acres) and Tomblin WMA (4,324 acres).

A large land acquisition project in the western region of the state was partially completed with 22,963 acres of the 31,218 acres proposed land acquisition being acquired in FY2019. This large acquisition of former Forestland Group properties was acquired in partnership with The Conservation Fund and will result in expansions to the Sand Hill, Ritchie Mines and Frozen Camp WMAs as well as the creation of seven new WMAs.

In addition, an extensive wildlife management program was conducted on nearly 1.1 million acres of national forest land (composed of 14 WMA units) located in West Virginia through a cooperative agreement with the USFS and WVDNR.

State wildlife biologists and managers devoted a significant portion of their time reviewing national forest scoping notices, timber sales and providing technical input in the development of national forest plans. Management issues were closely reviewed to ensure that our fish and wildlife resources receive the maximum possible benefit.

Joint meetings with the USFS, West Virginia Division of Forestry (WVDOF) and the USACE were held to coordinate management activities between the various agencies. Numerous land reviews and evaluations were conducted by the WRS during 2018-2019.

Management on our WMAs and national forest lands was directed toward improving forest age structure and stand composition which created more living space for a variety of species. Much of the forest we manage is of similar age, making it more susceptible to disease and disturbance therefore

reducing resiliency. Commercial forest management activities which created young forest and structurally complex habitat were conducted on 431 acres. Another 834.5 acres were placed under contract or in the administrative stage and an additional 852 acres were cruised and marked. Approximately 19 acres of field-border cuts were created. A total of 225 acres of forest mulching was conducted on 10 WMAs.

Management activities by personnel on state and national forest lands included releasing and/or grafting existing trees and planting additional trees and shrubs for food and cover on 280 acres. The additional acreage was due in large part to forest restoration projects on the Monongahela National Forest and habitat enhancement as mitigation.

More than 2,748 acres of wildlife clearings were mowed, and 165 acres of new clearings were established. Lime was applied to 170 acres and fertilizer applied to another 352 acres. A total of 725 acres were seeded to create food plots and dove fields. Prescribed fire was applied to 239 acres to improve the diversity and abundance of desired plants. Herbicide was used on 692 acres to control undesirable/invasive vegetation. Sharecropping agreements were executed on 181 acres to maintain open land habitat; 56 waterholes were maintained to provide a year-round water supply for wildlife.

Water levels on 193 acres of wetlands were manipulated to encourage waterfowl utilization. Three hundred-two wood duck boxes and 52 other species nest structures were maintained.

More than 755 miles of roads, 196 miles of trails and 36 vehicle and foot bridges were maintained. Road closures (gates) were installed and/or maintained at 605 locations.

Eight hundred ninety-four information and regulation signs were erected or maintained, and 108 miles of boundary was posted. Four hundred thirty-three campsites, 10 boat ramps, 25 shooting ranges, 177 parking areas and 34 physically challenged angler and hunter access sites were maintained for public use.

The highly successful controlled waterfowl hunting program at McClintic and Greenbottom WMAs continued to provide quality waterfowl hunting. Approximately 41 waterfowl ponds and 22 shooting stations were maintained on the McClintic WMA, including two shooting stations for the physically challenged. A special controlled dove hunt was held on the South Branch WMA with stations available for draw.

WILDLIFE RESOURCES

Wildlife Damage and Nuisance Wildlife Program

Seventy-nine nuisance bears were destroyed, and nine bears were relocated by WRS Staff. An additional 15 bears were taken on crop damage permits. Hundreds of other bear complaints were resolved with harassment measures and/or removal of edible attractions. One hundred twenty-six bear damage claims were processed.

Literally thousands of calls regarding sick, injured or nuisance wildlife were handled. Calls about nuisance wildlife were resolved by providing technical advice and recommendations, but many required capture and relocation or euthanasia of the animal.

The Wildlife Damage Control (WDC) agent program allows for businesses to be licensed with the WVDNR to take and dispose of nuisance wildlife. Twenty-one businesses and 59 agents were licensed by WVDNR during 2018 as WDC agents. The WVDNR assisted the USDA-APHIS Wildlife Services staff on a feral swine control program in West Virginia.

Technical Assistance Program

Technical assistance included providing agencies that manage National and State Forests with technical review of proposed actions, assisting private landowners with habitat questions, answering questions from the public. This assistance can be in person in the office, over the telephone, or by email, or by being onsite helping a landowner. Intra-agency assistance often involves field reviews, coordination and the development of specific management recommendations as well as technical review and comment to NEPA actions. Approximately 657 staff days were spent providing technical assistance.

Regional, National and International Coordination Program

Many of the challenges and issues faced by the Game Management Unit were also shared by other states and agencies. The WRS was an active member/participant in many organizations. Notable organizations included: Association of Fish and Wildlife Agencies, Southeastern Association of Fish and Wildlife Agencies, Northeast Association of Fish and Wildlife Agencies, The Wildlife Society, Atlantic Flyway Council and numerous Technical Sections, Southeast Deer Study Group, Southeastern Cooperative Wildlife Disease Study, Eastern Management Unit Dove Technical Committee, and Appalachian Mountains Joint Venture.

Wildlife Population Survey and Research Program

Twenty-four singing ground survey routes for woodcock were conducted in cooperation with the U.S. Fish and Wildlife Service (USFWS). A ring-necked pheasant survey was conducted on the Hillcrest WMA. Canada geese and mourning doves were banded in cooperation with the USFWS, Atlantic Flyway States, and the Eastern Dove Management Unit States to monitor populations and establish harvest regulations. Three hundred seventy-nine mourning doves and 923 Canada geese were banded during the 2018-2019 fiscal year as a part of this effort. As part of The Northeast Association of Fish and Wildlife Agencies, Northeast Upland Game Bird Technical Committee, West Virginia along with 12 other states submitted blood samples from harvested grouse for West Nile Virus (WNV) surveillance. West Virginia grouse cooperators submitted 47 samples with one sample testing positive for WNV.

Harvest and biological data were compiled and analyzed for deer, turkey, bear and wild boar as well as hunter and trapper-harvested beaver, fisher, bobcat and otter.

White-tailed Deer

West Virginia continued to be one of the favorite deer hunting grounds in the eastern United States. In 2018 and January 2019, hunters harvested 108,856 deer in the combined deer seasons. This is within 1% of the 2017 harvest of 108,160 and 11% below the previous 5-year harvest average of 122,924. The 2018 total deer harvest represents one deer killed for every 135 acres of deer habitat in the state and a 57% harvest decrease from the record harvest of 255,356 deer in 2002. From 1945 through 2018, a total of 6,463,925 deer have been recorded as harvested in West Virginia. Forty eight percent (3,120,221) of the total recorded deer harvest of the past 73 years has occurred in the last 20 years.

Special controlled deer hunts were held in 2018 on nine West Virginia State Parks. A total of 192 deer (152 antlerless and 40 antlered deer) were harvested. Seven deer were taken at Beech Fork State Park, 36 deer at Cacapon Resort State Park, 14 deer at Canaan Valley Resort State park, five deer at Lost River State Park, 32 deer at North Bend State Park, 25 deer at Pipestem Resort State Park, 55 deer at Stonewall Resort State Park, eight deer at Twin Falls State Park, and 10 deer at Watoga State Park. This was the fourth year for such a hunt on Pipestem Resort State Park, the third year for a hunt at Cacapon Resort State Park, and the second year for a controlled deer hunt at North Bend State Park. All state park-controlled deer hunts are by application only.

Efforts to control the spread and monitor chronic wasting disease (CWD) in free-ranging deer in West Virginia continued. In the 2018 deer seasons, samples taken from 814 hunter-harvested deer brought to WVDNR staffed stations were tested for CWD. Twenty-seven samples were found to have the abnormal protein associated with CWD. CWD has now been detected in 350 deer in Hampshire County, six in Hardy County, 15 in Berkeley County, four in Mineral County and one in Morgan County.

Elk

Radio telemetry monitoring continued for both the elk group released in 2016 and the two groups released in 2018. Eight mortalities were recorded in July and August from the elk released in June 2018 and attributed to the effects of the extended holding time in the elk soft release facility mandated by the USDA. Twenty-two additional mortalities were recorded. Seventeen of those deaths have been attributed to meningeal worm (*Parelaphostrongylus tenuis*), two were linked to birthing complications, two were unknown and one was a suspected poaching case. Mortalities were detected and located using telemetry and then either recovered for lab necropsies or necropsied in the field. Samples were shipped to the Southeastern Cooperative Wildlife Disease Study lab at the University of Georgia College of Veterinary Medicine for analysis. The salt block/trail camera study throughout the Elk Management Zone continued to allow for monitoring of native-born and uncollared animals and to detect elk which may move in from surrounding states. In addition, several high use areas were monitored by trail cameras to detect calving successes. Several collars were removed from maturing bulls as they had outgrown the initial collar size placed on them as young elk.

Efforts were made January-April to bait and capture individual elk that were not collared or were experiencing radio collar issues (signal, battery life, etc.). Fourteen elk were captured, including four untagged calves, and equipped with new collars. Several presentations regarding program status were given to both public and government groups including the USFS and the WV Legislature. Zero elk were imported into West Virginia.

WILDLIFE RESOURCES

WILDLIFE POPULATION SURVEY AND RESEARCH PROGRAM CONTINUED ...

Black Bear

West Virginia hunters harvested 2,606 black bears during the combined 2018 archery and firearms seasons. The 2018 harvest was 18% below the 3,160 bears killed in 2017. The black bear harvest of 2018 is the 6th highest kill recorded.

One-hundred ninety-seven bears were killed on highways, were killed illegally, were destroyed, or succumbed from other non-hunting causes (electrocution, mange, etc.). This is up 41% from the 140 non-hunting mortalities recorded in 2017. There were 119 deaths from vehicles in 2018 compared to 63 in 2017. The number of illegal kills was down from 1 to 0. Miscellaneous deaths rose from 3 to 6 from 2017 to 2018. Bears killed for nuisance or damage activity, decreased to 72 in 2018 from the 73 reported in 2017.

Age data from the 2017 tooth samples were determined and hunters were notified of their bear's age. Hunters submitted 1,669 useable teeth (correct tooth, tooth not broken, etc.) for age consideration. There were 23 cubs, 28% (460) were yearlings, 32% (530) were 2-year olds, 11% (180) were 3-year olds, and the remaining 29% (476) were 4-years old or older. Biologists use age data from hunter-harvested bear teeth to calculate population estimates and mortality rates for black bears in West Virginia.

Wild Turkey

Spring gobbler season began in 1966 on our wildlife management areas and went statewide in 1968. Hunters harvested 12,287 bearded turkeys during the 2018 spring gobbler season, a 6% increase from 2017. This was the largest harvest in 15 years and was 21 % above the 10-year average.

For the third year all of West Virginia's 55 counties had at least a one-week fall turkey season, which has a one bird either sex bag limit. Hunters harvested 1,215 turkeys, up 28% from 2017 and 4% below the five-year average.

Wild turkey brood surveys were conducted by 36 observers who documented 565 encounters with turkeys in 2018. Observations were 67% higher than 2017 (338 observations). This included 665 hens, 1,476 poults, 580 gobblers, 210 unknown birds, and 36 repeated observations. Removing the repeated observations yielded; 642 hens, 1,427 poults, 493 gobblers, 200 unknown, and a 2.22 poult-to-hen ratio for the entire observation period. The 2018 poult-to-hen ratio was 46.1% over 2017 observations (1.52 poults/hen). A total of 220 turkey broods were observed in 2018, a hundred more than last year. This is 83% above last year's observations and 16% above the 5-year average.

Wild Boar

Hunters killed 137 wild boars during the 2018 season. This was the highest harvest since 1997. Hunters had the opportunity to hunt from February 1-3, 2019, in addition to archery and firearms seasons. This new season resulted in a harvest of 49 boars.

Firearms hunters took 63 wild boars and archers killed 74. Crossbow hunters accounted for 22 kills. Raleigh and Wyoming counties had no reported kills.

Annual Mast Survey

During August, personnel rated the abundance of mast produced by selected tree and shrub species. Mast indices were formulated for each species on a statewide and ecological region basis. This survey has been conducted annually since 1970 and is important information often requested by hunters.

Production of white oak acorns, walnuts and hickory nuts was significantly higher than the long-term average and affected the 2018-2019 hunting seasons. Black/red oak, scarlet oak and black cherry were down significantly from 2017 and well below their long-term average.

Fish Management Unit

The Fish Management Unit is responsible for providing fishing opportunities to meet recreational fishing demand. This is accomplished by protecting and managing more than 98,000 acres of rivers and streams as well as more than 22,000 acres of public impoundments. Fish management efforts included enhancement of fishing through stockings, development of habitat, and research projects.

FISH HATCHERY PROGRAM

The fish hatchery program operated seven cold-water hatcheries, two warmwater hatcheries, and two grow-out facilities. The fish hatchery program stocked waters for the purposes of fisheries enhancement, sustainability, and reintroduction when warranted. The distribution of fish from state hatcheries provided anglers with harvest opportunities beyond the sustainability of our natural systems.

Trout Hatcheries

In 2018, staff stocked 854,407 catchable trout weighing 677,709 pounds (Table 1). The 2018 trout stocking year yield was slightly below the annual hatchery production goal of 750,000 pounds. These trout were distributed to 72 impoundments, nine reservoir tailwaters, and numerous locations on 110 streams and stream segments.

The average-size catchable trout stocked into put-and-take managed waters in 2018 was 12.5 inches and weighed 0.79 pounds; both of which was larger than previous years. This larger average trout size resulted from adequate hatchery water supplies over the stocking period. The federal hatchery at White Sulphur Springs provided 2,237 surplus trout that were stocked during the fall stocking season.

Trout stocking also occurred in 11 Class Q waters which provided fishing opportunities for handicapped individuals and children age 10 and under. These special regulation waters were stocked the first week of March. Thirty-six waters received two stockings each during a two-week period in October 2018.

Wild trout management continued to receive special attention in West Virginia. The program is divided into two major parts: protecting and enhancing native brook trout populations and stocking fingerling trout to maintain wild trout populations. In 2018, nearly 59,000 fingerling trout were stocked in waters through the state (Table 2). Assistance from various conservation groups and citizen volunteers was an essential part of the fingerling trout stocking program.

TABLE 1.

Total weight and numbers of catchable trout stocked in 2018.

PRODUCTION HATCHERY	RAINBOW		GOLDEN		BROOK		BROWN		ALL TROUT SPECIES	
	Weight	Number	Weight	Number	Weight	Number	Weight	Number	Weight	Number
Bowden	145,087	166,693	21,356	25,124	36,529	64,671	15,020	22,463	217,992	278,951
Edray	6,492	9,560	7,939	8,534	0	0	0	0	14,431	18,094
Petersburg	31,545	38,327	2,299	1,439	743	722	608	364	35,195	40,852
Reeds Creek	120,462	173,206	10,536	12,456	43,667	64,210	7,417	8,183	182,082	258,055
Ridge	30,419	35,506	3,957	4,355	25,151	31,354	0	0	59,527	71,215
Spring Run	88,815	99,277	17,704	15,198	35,469	41,182	18,915	22,713	160,903	178,370
Tate Lohr	2,565	6,633	0	0	0	0	0	0	2,565	6,633
White Sulphur Springs*	5,014	2,237	0	0	0	0	0	0	5,014	2,237
TOTAL	430,399	531,439	63,791	67,106	141,559	202,139	41,960		677,709	854,407

WILDLIFE RESOURCES

FISH HATCHERY PROGRAM CONTINUED ...

TABLE 2.

Total weight and numbers of fingerling trout stocked by Bowden and Edray hatcheries during 2018.

HATCHERY	RAINBOW		GOLDEN		BROOK		BROWN		ALL TROUT SPECIES	
	Weight	Number	Weight	Number	Weight	Number	Weight	Number	Weight	Number
Bowden	0	0	0	0	0	0	177	20,009	177	20,009
Edray	125	7,300	0	0	0	0	1,460	31,650	1,585	38,950
TOTAL	125	7,300	0	0	0	0	1,637	51,659	1,762	58,959

TABLE 3.

Total number of fry, fingerlings, advanced fingerling, and adult fish stocked by two (2) warmwater hatcheries and grow-out facilities during 2018.

Species	Class	STATE WARMWATER HATCHERY		STATE WARMWATER REARING FACILITY			TOTAL Number
		Apple Grove	Palestine	Bee Run	Bowden	Falls Mill	
Blue Catfish	Advanced Fingerling	24,039	0	0	0	0	24,039
Channel Catfish	Adult	3,720	0	0	2,904	0	6,624
Hybrid Striped Bass	Fingerling	39,696	0	0	0	0	39,696
Muskellunge	Advanced Fingerling	115	0	115	32	0	262
Walleye	Fry	1,242,000	0	0	0	0	1,242,000
	Fingerling	157,856	0	0	0	0	157,856
	Advanced Fingerling	2,548	3,675	0	0	0	6,223
TOTAL		1,469,974	3,675	115	2,936	0	1,476,700

Warmwater Hatcheries

Warmwater hatcheries produced blue catfish, channel catfish, muskellunge, hybrid striped bass, and walleye during 2018. A total of 1,476,700 fish were produced and stocked throughout the state. Warmwater hatcheries produced and stocked both fingerlings and advanced fingerlings. More fish were produced and stocked by warmwater hatchery staff in 2018 due to major repairs at the Apple Grove Hatchery completed in 2017.

Blue Catfish

A total of 24,039 blue catfish were stocked into the Ohio River and R.D. Bailey Reservoir (Table 3). The stocking of blue catfish in the Ohio River has demonstrated successful restoration efforts of this previously extirpated species. Blue catfish stocking has also been successful in R.D. Bailey Reservoir and now provides a fishing destination for this species.

Channel Catfish

A total of 6,624 pounds of catchable-size channel catfish were stocked into 33 waters in June 2018 to provide enhanced recreational fishing opportunities at community and state park lakes (Table 3).

FISH HATCHERY PROGRAM CONTINUED ...

Warmwater Hatcheries continued ...

Muskellunge

A total of 262 advanced fingerling muskellunge were stocked into North Bend Lake, East Lynn Reservoir, Stonecoal Reservoir, and Stonewall Jackson Reservoir. The number of muskellunge stocked during 2018 was less than average due to poor hatchery production (Table 3).

Hybrid Striped Bass

A total 39,696 hybrid striped bass were stocked Beech Fork, Bluestone, and R.D. Bailey Reservoirs as well as the R.C Byrd and New Cumberland pools of the Ohio River (Table 3). Hybrid striped bass do not reproduce, so supplemental stocking was necessary to sustain a fishable population.

Walleye

An estimated 1,242,000 fry, 157,856 fingerlings, and 6,223 advanced fingerling walleye were stocked during 2018. The number of walleye stocked was much high than in 2017 due to greater hatching success and fry survival. Walleye were stocked in Charles Fork Lake, Cheat Reservoir, Dog Run Lake, Elk River, Greenbrier River, Kanawha River, New River, Stephens Lake, Stonecoal Lake, Stonewall Jackson Reservoir, and the Ohio River.

Hatchery Improvements

Hatchery renovation activities began in 2017 with rearing pond liner replacement at Apple Grove Hatchery in Mason County and a water supply pump at Palestine Hatchery in Wirt County and were completed during 2018. Improvements for water supply and treatment are planned for additional hatcheries in coming years.

FISHERIES AND HABITAT SURVEYS

Reservoirs

Black bass surveys were conducted on five large reservoirs in the state. Surveys at Beech Fork, Burnsville, East Lynn, Tygart, Mount Storm, and R. D. Bailey lakes monitored population characteristics of largemouth, smallmouth and spotted bass. These surveys provided the basis for determining management needs and evaluating management recommendations for these important recreational species.

Rivers and Streams

River and stream fisheries surveys were conducted to assess population characteristics for a range of species.

Key projects included:

- Trout population and habitat assessments with a focus in the Chesapeake Bay watershed
- Black bass surveys in the, Kanawha, Ohio and South Branch of the Potomac rivers
- Population characteristics and movement of Blue and Flathead Catfish in the Ohio and lower Kanawha Rivers
- Population characteristics of Flathead and Channel Catfish in Monongahela River
- Walleye and Sauger regulation assessments on Monongahela River to assess current minimum length regulations
- Muskellunge surveys on Middle Island Creek, Little Kanawha River, to evaluate size structure and collect brood stock for hatchery purposes

Small Impoundments

Small Impoundment fisheries surveys were conducted to assess population characteristics for a range of species. Key projects included black bass surveys in Big Ditch, Buffalo Fork, Charles Fork, Elk Fork, Kimsey Run, North Bend, O'Brien, Parker Hollow, Sherwood, Sleepy Creek, Warden, New Creek, and Woodrum lakes; and creel surveys on Dents Run, Dixon, Dunkard Fork, Mason, and Teter Creek lakes to better understand panfish management.

WILDLIFE RESOURCES

FISHERIES AND HABITAT SURVEYS CONTINUED ...

Fish Health Surveys

Fish health surveys as part of the USFWS Wild Fish Health Survey were conducted on brood stock walleye from the Ohio River and brood stock muskellunge from Middle Island Creek and North Bend Lake. Surveys were also conducted on channel catfish from Mount Storm Lake, smallmouth bass from Cheat River and Greenbrier River, and blue and flathead catfish from the Ohio River. All samples were found to be negative of fish pathogens.

Trout species from various cold-water hatcheries were also tested for fish health in response to observations of sick fish to facilitate proper treatment. Brook, brown and rainbow trout were tested from Spring Run, Bowden, Petersburg and Edray hatcheries. Samples tested positive for *Aeromonas hydrophila* most commonly, but *Flavobacterium* spp, *Saprolegnia* spp. and *Plesiomonas shigelloides* were also identified. All pathogens identified were treated and fish recovered at their respective hatcheries. Golden trout from Reeds Creek hatchery were also tested; all samples tested negative for fish pathogens.

Interstate Fisheries Coordination Program

Fish management staff coordinated and participated in research and management activities on the Ohio River. These efforts included population assessments of black bass, walleye, sauger, and channel, blue and flathead catfish. Much of this work was guided by the interstate Ohio River Fisheries Management Team. WVDNR staff also began a paddlefish population assessment to evaluate success of previous years' stocking efforts. Fisheries biologists participated in the Mississippi Interstate Cooperative Resource Association's aquatic nuisance species planning efforts to minimize impacts upon West Virginia's aquatic resources.

A cooperative effort continued with Ohio River basin states and federal partners monitoring populations of Asian carp species. Activities include surveys targeted to monitor population expansion, physical removal of fish, fish community surveys, and tracking movements through acoustic telemetry. No appreciable changes in the Asian carp population expansion were discovered.

Habitat and Water Quality Enhancement Program

Fisheries management staff continued habitat enhancement projects in 2018-2019. Recycled Christmas trees were placed at Tygart (150), Cheat (75), Mount Storm (72), Stonewall Jackson (150), Stonecoal (120), Summersville (150), Burnsville (150), Sherwood (50), Beech Fork (70), and East Lynn (70) lakes. Many of these installations were in cooperation with local fishing organizations and the WVDEP Rehabilitation Environmental Action Plan and USACE.

Other forms of habitat enhancements were created by fisheries management staff to improve lentic lake habitat. These included the repair of 80 spider blocks at Tygart Lake. At Summersville Lake, staff created 69 wood debris reefs, 17 standing tree structures, four spawning benches, eight rock piles, and 30 spider block structures. Large trees were cut and anchored to shoreline areas to provide cover for many fish species. A total of 55 large trees were anchored at Mount Storm Lake, eight trees at Plum Orchard Lake, six at Tygart Lake, and 35 at Beech Fork Lake. Twenty additional catfish spawning boxes were placed in East Lynn reservoir.

A cooperative agreement with WVU West Virginia Natural Resources Analysis Center started its first in-stream project in the summer of 2018. Laurel Fork within Holly River State Park was assessed, and three distinct reaches were identified for habitat enhancement. More than half of the planned work was completed. Enhancement of Reaches 2 and 3 will complete the project in 2019.

The acidified streams treatment program continued. Nearly 5,500 tons of high-quality limestone sand was placed in more than 60 streams at 82 locations, improving the water quality of nearly 300 miles of impaired streams and 250 acres of small impoundments.

Tournament Coordination and Trophy Fish Citation Program

Tournament anglers accumulated more than 150,000 hours of fishing in 644 bass, catfish, musky, trout, kids and kayak tournaments in 2018 on 32 different waterbodies. Nearly 850 tournaments were permitted.

The Trophy Fish Citation program recognized anglers who caught 681 fish, representing 25 species that qualified as trophies. Of 16 waters (private lakes are counted as one water) yielding 10 or more fish citations, 72% were from streams and rivers, 11% from private lakes and ponds and 17% from public lakes. The trophy citation program began in 1976 and has recognized more than 60,000 anglers for their outstanding catches. The year 2004 marked the first year of issuing length-only citations in addition to the certified weight citation. This allows anglers to practice catch-and-release and still receive a trophy citation. In 2018, 409 length-only citations were issued.

Wildlife Diversity Unit

ORNITHOLOGY PROGRAM

Biologists completed 51 contracts which enrolled 524 acres of private land into the Regional Conservation Partnership program targeting Cerulean Warbler and the Working Lands for Wildlife program targeting Golden-winged Warbler. This innovative grassroots approach to conservation empowered private landowners with a means to make on-the-ground wildlife habitat improvements while providing federal financial assistance.

BUTTERFLIES PROGRAM

Monarch and Pollinator Conservation

Staff served on a USFWS team to develop the monarch butterfly status assessment. Work was completed on the final document, which was submitted to the USFWS for review. Efforts to implement monarch and pollinator conservation in the state continued. A partnership with WVU Jackson's Mill was expanded to include installation of experimental plots to test site preparation and pollinator/monarch seed mixes.

A pollinator habitat workshop was offered in November 2018 and attended by more than 100 people representing industry, conservation, community conservation, and private lands. Staff hosted a workshop to train natural resource professionals on the Integrated Monarch Monitoring Protocol.

Butterfly Atlas

Coordination with taxonomic experts revealed a possible new species of crescent butterfly (*Phyciodes*) in the state that may be separated from the existing three species/subspecies: *Phyciodes tharos*, *Phyciodes cocyta selene*, *Phyciodes cocyta diminutor*, and the possible *Phyciodes* "novus."

MUSSEL PROGRAM

Environmental Coordination

Staff cooperated with USFWS and WVDEP on several large projects, including capping of nearly 11 acres of contaminated sediments in the Kanawha River, early investigation of two superfund sites, and 401 Certification for commercial sand and gravel dredging in the upper Ohio River. Additional coordination with USFWS involved an inadvertent return of drilling mud into Middle Island Creek that impacted mussels.

Surveys

Surveys were conducted on Patterson Creek, Hughes River, and South Fork Hughes River. Several mussel monitoring events were conducted, including Dunkard Creek (3 sites), Ohio River (2 sites) and Kanawha River (1 site), as well as one new monitoring site on Fishing Creek. Assistance was provided to USEPA for a toxicity study of contaminated sediment in the Monongahela River at Fairmont. Mussel silos were placed into three streams (Dunkard, Opequon and Back creeks) to assess potential water quality issues that may be resulting in the decline of mussels and to assess the potential for restoration efforts.

Monitoring

Staff partnered with WVDOH to monitor federally endangered species relocated from bridge projects. Clearance surveys were conducted for WVDOH bridge projects at Camp Creek and Cairo. Clearance surveys were also conducted for private landowners on Knapp Creek, Back Creek, and Patterson Creek.

Restoration

Restoration activities included assisting USFWS with mussel propagation cage retrieval at Sutton Lake, and installation of additional propagation cages at Sutton and Burnsville lakes.

WILDLIFE RESOURCES

NATURAL HERITAGE PROGRAM

Ecological Classification

Activities included sampling 19 vegetation plots, adding 18 new occurrences of vegetation associations to the Biotics database and updating 221 vegetation association occurrence records. In addition, staff edited the global descriptions for 43 associations in the U.S. National Vegetation Classification to improve the characterization of West Virginia vegetation. Surveys of vegetation and rare plants on five newly acquired public lands were conducted at Little Kanawha, Lynn Camp, Tollgate, Tomblin, and Walker Creek WMAs.

Mammal Research

WVDNR biologists and Frostburg State University initiated a project to study the demographics and habitat of the spotted skunk, focusing efforts on Nathaniel Mountain WMA and Potomac WMA. Sixteen spotted skunks were radio collared. These animals were tracked to 149 unique resting/denning sites. Spatial and habitat analyses will be conducted upon completion of field work in December 2019.

Rusty-patched Bumblebee Recovery Planning

The Rusty-patched Bumble Bee (*Bombus affinis*) is a federally endangered species that is proposed to be added as a priority 1 Species of Greatest Conservation Need in our state wildlife action plan (SWAP). Staff served on a USFWS team to create and review a Recovery Plan for the species. The Recovery Plan was submitted to the USFWS for review.

Citizen Science

Staff joined iNaturalist to create the Rare Animals of West Virginia Monitoring Program. Observations collected through these new avenues helped ensure that habitats were identified, threats were determined, and conservation plans developed for the rare animals tracked within the West Virginia Natural Heritage Program.

Staff worked with WRS GIS staff to create an ArcGIS Online story board for citizen scientists to submit firefly and glow-worm observations. The program allowed citizens to document potentially rare species in our state through the website or a Survey123 phone app.

Data Capture and Data Management

Staff added 49 new rare plant occurrences to the Biotics database and reviewed state conservation status rank for 63 species of vascular plant using NatureServe's rank calculator. This information was used to update the list of tracked rare plants for West Virginia. Staff continued to manage and update the SWAPMASTER database to facilitate conservation planning.

Documentation, survey information, and references were added to 70 Virginia big-eared bat records. Additionally, a long-term bat capture mist net dataset was cleaned and validated, providing 20,947 additional occurrences for these species.

ENDANGERED SPECIES PROGRAM

Endangered Bat Surveys

In winter 2018-19, WRS biologists conducted hibernacula surveys at 23 caves, including Hellhole, the state's most important hibernaculum. An additional 51.9% decline was noted for Indiana bats due to White Nose Syndrome. A 12.2% decline in Virginia big-eared bats was noted, but not suspected of being the result of WNS. In June 2019, female Virginia big-eared bats were counted at the 11 known maternity colonies. Population decreased by 24.45% from 2018 counts. Investigation into this population decline is ongoing and includes follow-up monitoring and identification of potential causes.

WVDNR conducted or coordinated driving routes and stationary acoustic surveys in 2018-19; 68 driving routes and 13 stationary surveys were completed between July 1 and August 20, 2018, and 22 driving routes and 10 stationary surveys were completed between May 25 and June 30, 2019.

AMPHIBIAN AND REPTILE PROGRAM

Amphibian Disease Survey

Staff and researchers from Penn State University - Altoona, collected water samples from amphibian breeding ponds across West Virginia to test for ranavirus. Water samples were collected from 27 breeding ponds in June, and 17 of these sites were revisited and sampled in July. Ranavirus was detected at seven ponds, three of which experienced die-off events with large numbers of tadpoles and salamander larvae succumbing to the disease.

Wood Turtle Monitoring

Biologists established six walking transects along two stream systems in the eastern panhandle to survey for wood turtles. Biologists captured 43 wood turtles in this monitoring period, with five of those captures being recaptured animals from previous years. Population estimates will be determined for these streams once suitable samples sizes are collected.

Timber Rattlesnake Research

Staff and researchers from Marshall University initiated a study to develop evidence-based recommendations for relocating timber rattlesnakes. The study focuses on rattlesnake relocations at high-use, recreational sites where relocation is regularly used as a management strategy. To date, there are 34 transmitters deployed at Cooper's Rock State Forest and 14 transmitters on Kanawha State Forest.

The WVDNR has collected timber rattlesnake observations as part of a citizen science initiative to document timber rattlesnake distribution in West Virginia. To date, 407 observations have been collected, of which 299 observations have been verified as submitted by a natural resource professional or photo verified. Staff calculated a preliminary area of distribution in West Virginia of approximately 20,500 square miles, incorporating most of central West Virginia.

Spotted Turtle Research

WRS biologists completed trapping surveys at 23 wetlands containing suitable spotted turtle habitat. Of these 23 wetlands, five were found to contain spotted turtles. Work to determine population dynamics at these sites continued. Radio telemetry of these turtles allowed biologists to better understand spotted turtle movement ecology.

BOTANY PROGRAM

Federally Listed Plant Monitoring

Monitoring for four endangered and two threatened plant species occurred during 2018 - 2019. Staff cooperated with federal and state agencies in West Virginia concerning the recovery of listed plants and investigated reports of new occurrences.

Running Buffalo Clover populations were monitored at 11 sites in June 2019. Shale Barren Rockcress was monitored at five shale barrens in Pendleton County. Staff monitored Harperella populations on the Cacapon River, Back Creek, and Sleepy Creek in Morgan County and Berkeley County. In August 2018, staff conducted the third year of a study examining the stream hydro-period within which Harperella survives on Sleepy Creek. Staff monitored Northeastern bulrush in the George Washington National Forest and removed invasive Japanese Stiltgrass from the wetland. Staff also monitored the population of Northeastern bulrush at Harper's Ridge in October 2018. Staff monitored Small Whorled Pogonia sites in West Virginia with researchers from Smithsonian Environmental Research Center. Wildlife Diversity staff monitored Virginia Spiraea populations along the Meadow River in Fayette and Nicholas counties in July 2018.

AQUATIC COMMUNITY ASSESSMENT AND RESTORATION PROGRAM

Candy Darter Restoration

On December 21, 2018, the candy darter (*Etheostoma osburni*) was listed as a federally Endangered Species by the USFWS. In partnership with White Sulphur Springs National Fish Hatchery (WSSNFH), Staff conducted a pilot study that confirmed candy darters will spawn in hatchery conditions. Staff also examined the efficacy of translocating candy darters to streams within their native range where Variegate Darters did not occur.

One hundred forty-six individuals were collected in October 2018 from the upper Greenbrier River and stored in aquariums at the WSSNFH. Fin clips were collected and analyzed to test their genetic purity. Results indicated that six individuals were hybrids and 122 were pure Candy Darters. Eighty-two of the pure individuals were released into Candy Darter range where Variegate Darters were absent; the remaining 40 darters were retained for spawning. Eighteen of those 40 fish died.

In 2018, the WVDNR collaborated with the USFWS, and Virginia Department of Game and Inland Fish to develop a draft recovery plan.

Large River Benthic Fish Assessment

More than 350 trawls were taken from a variety of habitats of the Kanawha River from Kanawha Falls to its confluence with the Ohio River. The effort sampled seven species never before collected in the main channel Kanawha River, all of which were listed as Species of Greatest Conservation Need.

WVDNR

INDEX



A

Administration v, 2
Amphibian and Reptile Program 95
Amphibian Disease Survey 95
Annual Mast Survey 88
Aquatic Community Assessment and Restoration Program 95
Arrests by Type and District 50
Audra State Park 65

B

Babcock State Park 65
Beartown State Park 65
Beech Fork State Park 65
Berkeley Springs State Park 66
Black Bear 88
Blackwater Falls State Park 66
Blennerhassett Island Historical State Park 66
Blue Catfish 90
Bluestone State Park 66
Boards and Commissions on which the Director Serves v
Boating Safety Program 47
Botany Program 95
Budget and Fiscal Services 11
Butterflies Program 93
Butterfly Atlas 93

C

Cabwaylingo State Forest 66
Cacapon Resort State Park 67
Calvin Price State Forest 74
Camp Creek State Park 67
Canaan Valley Resort State Park 67
Candy Darter Restoration 95
Capital Improvements Program 80
Carnifex Ferry Battlefield State Park 67
Cass Scenic Railroad State Park 68
Cathedral State Park 68
Cedar Creek State Park 68
Channel Catfish 90
Chief Logan Lodge 68
Chief Logan State Park 68
Citizen Science 95
Clean Water Act 404/401 and Section 10 83
Collection Permits and Data Base Review Requests 84
Construction and Design Projects
in progress as of June 30, 2018 or after 77
Coopers Rock State Forest 69
Customer Relations 4

INDEX

D

Data Capture and Data Management 94
District Offices vi
Droop Mountain Battlefield State Park 69

E

Ecological Classification 94
EEOC Statement v
Elk 87
Endangered Bat Surveys 94
Endangered Species Program 94
Environmental Coordination Program 82

F

Federally Listed Plant Monitoring 95
Fisheries and Habitat Surveys 91
Fish Hatchery Program 89
Fish Health Surveys 92
Fish Management Unit 89
Fleet Management 3
Forks of Coal Natural Area 70

G

Game Management Unit 85
Gas and Oil 82
Geographic Information Systems (GIS) and
Technical Support Program 81
Greenbrier River Trail 69
Greenbrier State Forest 69
Guiding Principles v

H

Habitat and Water Quality Enhancement Program 92
Hatchery Improvements 91
Hawks Nest State Park 70
Holly River State Park 70
Human Resources 3
Hunter Education Program 46
Hunters Helping the Hungry 80
Hybrid Striped Bass 91
Hydropower 82

I

Individual Area and Section Activity Reports 65
Information and Technology Resources 3
Interstate Fisheries Coordination Program 92

K

Kanawha State Forest 70
Kumbrabow State Forest 70

L

Land Acquisition 40-42
Lands of the Division of Natural Resources 39
Large River Benthic Fish Assessment 95
Law Enforcement 44
Law Enforcement Activity 49
Law Enforcement Program 45
Letter from the Director iii
License/Privilege Revocation System 1, 48
License Sales 4-10
Little Beaver State Park 70
Lost River State Park 71

M

Mammal Research 94
Mission Statement v
Mitigation Banking and In-Lieu Fee 84
Monarch and Pollinator Conservation 93
Moncove Lake State Park 71
Muskellunge 90
Mussel Environmental Coordination 93
Mussel Monitoring 93
Mussel Program 93
Mussel Restoration 93
Mussel Surveys 93

N

National Hunting and Fishing Days 80
Natural Heritage Program 94
Natural Resource Damage Assessment 84
North Bend Rail Trail 71
North Bend State Park 71
Number of Natural Resources Police Officers
per Population and Square Miles 47

O

Office of Land and Streams 38
Officer Training 46
Oil and Gas Leasing 43
Organizational Chart iv
Ornithology Program 93
Outdoor Youth Challenge 80
Outreach 79, 80

P

Panther State Forest 71
Parks and Recreation 60
Parks and Recreation Finances 64
Parks and Recreation General Information 62-63
Parks and Recreation Individual Area and
Section Activity Reports 65
Parks and Recreation Overview 61
Pinnacle Rock State Park 71
Pipestem Resort State Park 72
Planning, Engineering and Maintenance 75
Planning, Engineering and Maintenance Overview 76
Point Pleasant Battle Monument 73
Prickett's Fort State Park 72
Property and Procurement 3
Prosecution Comparison 1, 52
Public Lands Program 85

R

Refuge Coordination 84
Regional, National and International Coordination Program 86
Regional Permits 84
Report of Prosecutions by Charge 53
Report of Prosecutions by County 58
Reservoirs 91
River and Stream Management 43
Rivers and Streams 91
Rusty-patched Bumblebee Recovery Planning 94

INDEX

S

Seneca State Forest 72
Small Impoundments 91
Spawning Waivers 84
Spotted Turtle Research 95
Statement of Disbursements 12
State Parks, Forests and Recreation Areas vii
Stonewall Resort State Park 72
Substantially Completed Projects 76

T

Table of Contents 1
Technical Assistance Program 86
The License/Privilege Revocation System 48
Timber Rattlesnake Research 95
Tomlinson Run State Park 72
Tournament Coordination
and Trophy Fish Citation Program 93
Trout Hatcheries 89
Tu-Endie-Wei State Park 73
Twin Falls Resort State Park 73
Tygart Lake State Park 73

V

Valley Falls State Park 74
Vision Statement v

W

Walleye 91
Warmwater Hatcheries 90
Watoga State Park 74
Watters Smith Memorial State Park 74
West Virginia's Archery in the Schools Program 80
White-tailed Deer 87
Whitewater Enforcement Program 47
Wild Boar 88
Wildlife Damage and Nuisance Wildlife Program 86
Wildlife Diversity Unit 93
Wildlife Management Areas viii
Wildlife Population Survey and Research Program 87
Wildlife Resources 78
Wildlife Resources Information, Education and
Outreach Program 79
Wildlife Resources Operations Unit 79
Wild Turkey 88
Wind Power 82
Wood Turtle Monitoring 95



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