



west virginia department of environmental protection

Division of Mining and Reclamation
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Austin Caperton, Cabinet Secretary
dep.wv.gov

December 18, 2020

The Honorable Mitch Carmichael, Chair
The Honorable Roger Hanshaw, Chair
Joint Committee on Government and Finance
1900 Kanawha Boulevard, East
Charleston, West Virginia 25305

Dear President Carmichael and Speaker Hanshaw:

Enclosed is a compilation of receipts and expenditures from the Stream Restoration Fund (SRF) for fiscal years 1999 through 2020, as required by WV Code §22-11-7a(2)(D). Expenditures for each fiscal year have been itemized. The following is activity for fiscal year 2019:

- Expenditures - During fiscal year 2020 \$352,883 was deposited into the SRF and \$24,148 was expended from the fund. Expenditures consisted of \$15,935 to the West Virginia Conservation Agency for administration of stream restoration projects in Boone, Clay, Greenbrier, and Nicholas counties; \$7,255 for monitoring of the Winding Gulf project Raleigh County; and \$958 for miscellaneous expenses.
- Acres of Streams Reclaimed – There was a total of 0.47 miles of streams impacted by abandoned mine drainage reclaimed under the Stream Restoration Program along Buffalo Creek (Clay County) during Fiscal Year 2020. Additionally, design and construction work were ongoing in the Lower Coal river (Mainstream) and South Fork of Cherry River (Phase 2) during the year. Invasive species treatment along 350 feet of Winding Gulf in Raleigh County continues for this natural stream restoration project constructed in 2015. Approximately 1 acre of stream has effectively been reclaimed through the Winding Gulf project.
- Effectiveness of Stream Restoration –The Lower Coal River (Main Stem) Project is a continuation of the highly successful stream restoration and enhancement work that was previously completed on the Little Coal River. All survey and design work were

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previously completed. Army Corps of Engineers (ACOE) and the WV Department of Natural Resources (WVDNR) permits were approved in September 2019. Acquisition of land rights along the Coal River and bidding out of the project was expected to occur in early 2020. However, impacts associated with the COVID-19 pandemic has delayed these activities until further notice. The estimated construction cost is \$950,000.

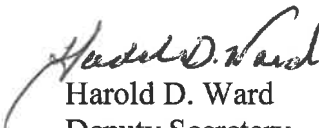
Buffalo Creek is a trout fishery running along a developing rail trail near Clay, WV. The project consists of stream restoration and enhancement along approximately 2,500 feet (0.47 miles) of Buffalo Creek with a budget of \$150,000. The initial project design and survey work were previously submitted and approved by the Army Corps of Engineers (ACOE). LD Hannah & Sons was awarded the contract for \$147,299. However, delays in obtaining land access from the landowner and stream conditions prevented the construction activity to begin until early in the 1st Quarter, FY 2020. Construction was completed late in the 1st Quarter, FY 2020. Re-vegetation activities were successfully completed in the 4th Quarter, FY 2020. The Buffalo Creek (Clay County) Project was the only notable in-stream restoration activities performed during Fiscal Year 2020. Although there was planning, surveys and preliminary design work done on several other stream restoration projects, consequences of the COVID-19 pandemic during the 3rd and 4th quarters of FY 2020 prevented further in-stream activities.

The South Fork of Cherry River has been damaged from years of mining and logging activities. The successful completion of the previous Phase 1 stream restoration/enhancement project helped in improving the water quality and in-stream habitat. With that success, WVDEP later approved an additional \$200,000 for continued restoration/enhancement (Phase 2). Initial survey and design work have been completed. However, flooding during Fall 2019 and Spring 2020 caused substantial changes to the existing stream conditions. Re-assessment of the stream reach during Fiscal Year 2021 will be necessary to determine the extent of design changes that will be necessary to maximize the benefits of the project.

The Winding Gulf stream restoration project reduced sedimentation and addressed streambank erosion to protect a small alternative wastewater treatment system. This wastewater system reduces fecal coliform from a small community that formerly had straight pipes in Winding Gulf.

Should you have any questions or require additional information, please contact me at (304) 926-0490.

Sincerely,


Harold D. Ward
Deputy Secretary

HDW/ch

C: Randy Taylor

John Vernon
Craig Hatcher
Legislative Auditor

Fund 3349 Stream Restoration (Fiscal Years 1999-2019)

<u>Fiscal Year</u>	<u>Receipts</u>	<u>Expenditures</u>
1999	\$799,575	\$0
2000	\$606,581	\$0
2001	\$540,324	\$0
2002	\$252,441	\$3,133
2003	\$159,155	\$462,508
2004	\$675,905	\$1,440,133
2005	\$301,146	\$125,710
2006	\$293,174	\$458,565
2007	\$1,413,396	\$296,906
2008	\$824,952	\$317,257
2009	\$8,988,752	\$343,231
2010	\$3,299,729	\$264,615
2011	\$1,119,345	\$443,625
2012	\$2,393,806	\$1,247,443
2013	\$1,287,449	\$4,439,388
2014	\$860,587	\$2,618,613
2015	\$434,384	\$2,769,686
2016	\$253,261	\$290,203
2017	\$534,201	\$2,082,305
2018	\$260,560	\$4,076,684
2019	\$307,726	\$71,314
2020	\$352,883	\$24,148

Commitments: Buffalo Creek (Logan Co.) \$60,000, Canaan Valley Institute \$1,642, Lower Coal River Restoration Project \$940,000
 Winding Gulf (Raleigh County) \$500,000

Fund 3349 Stream Restoration Expenditures by Project

<u>Project</u>	<u>FY02-11</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>Project Totals</u>
Chief Logan Dam	\$1,905,774										\$1,905,774
Dunloup Creek/Kilsyth Sewage Treatment Project	\$325,000										\$325,000
Wallback Dam	\$405,101										\$405,101
Laurel Lake Dredging Project	\$96,820										\$96,820
Ohley Stream Bank Restoration	\$101,467										\$101,467
Devils Fork Treatment System	\$104,851	\$43,982	\$9,059								\$157,892
Logan Flood Plain Initiative	\$185,000										\$185,000
Summerlee AMD Treatment	\$50,000										\$50,000
Stream Partners Sub-Grants	\$267,280										\$267,280
Evaluation of Little Coal River	\$165,000	\$109,991	\$110,000	\$55,000							\$439,991
Ashland Wastewater Treatment Plant	\$149,127										\$149,127
Lambert Run	\$57,451		\$79,059	\$19,863							\$156,373
Barton Branch	\$634	\$50,520	\$71,017	\$13,741	\$12,627		\$89,367				\$237,906
Nonpoint Source Remediation	\$314,897	\$446,920	\$296,985	\$1,259,473	\$324,588	\$614,739	\$332,096	\$3,129	\$3,804	\$7,255	\$3,603,886
Lower Davis Creek Restoration		\$31,885	\$98,020	\$17,060							\$86,965
WV Conservation Agency		\$204,300					\$77,500	\$69,676	\$66,808	\$15,935	\$434,219
Little Coal River Design		\$301,300	\$749,539	\$1,232,402	\$1,745,584	-\$427,983					\$3,600,842
Buffalo Creek (Logan Co.)			\$611,000		\$335,000	\$15,000	\$60,000				\$1,021,000
Lincoln County Water Line			\$2,400,000		\$352,000						\$2,752,000
WV Watershed Assessment			\$65,923	\$18,533							\$84,456
Lower Coal Restoration							\$60,000				\$60,000
Preston County Waterline							\$51,617	\$2,948,383			\$3,000,000
Buffalo Creek (Clay Co.)							\$150,000				\$150,000
South Fork Cherry River						\$88,000	\$200,000	-\$23,285			\$264,715
New Haven PSD							\$1,061,279	\$1,078,597			\$2,139,876
Miscellaneous	\$27,280	\$58,545	\$8,786	\$2,540	-\$113	\$447	\$446	\$184	\$702	\$958	\$99,775
Totals	\$4,155,682	\$1,247,443	\$4,439,388	\$2,618,613	\$2,769,686	\$290,203	\$2,082,305	\$4,076,684	\$71,314	\$24,148	\$21,775,466