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west virginia department of environmental protection

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Division of Mining and Reclamation (DMR)  
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Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
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December 18, 2012

The Honorable Jeff Kessler, Chair  
The Honorable Richard Thompson, Chair  
Joint Committee on Government and Finance  
1900 Kanawha Boulevard, East  
Charleston, West Virginia 25305

Dear President Kessler and Speaker Thompson:

Enclosed is a compilation of receipts and expenditures from the Stream Restoration Fund (SRF) for fiscal years 1999 through 2012, 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 2012:

- Expenditures - During fiscal year 2012 \$2,393,806 was deposited into the SRF and \$1,247,443 was expended from the fund. Expenditures consisted of \$109,991 for evaluation of mitigation success of the Little Coal River in Boone and Lincoln County; \$43,982 for design on the Amigo Wastewater Treatment Project on Devil's Fork in Raleigh County; \$50,520 for construction on Barton Bench Project in Randolph County; \$31,885 for design on the Lower Davis Creek Restoration; \$204,300 for identification, design, procure construction and monitor projects in multiple counties by the State Conservation Committee; \$301,300 for design on the Little Coal River Project in Boone and Lincoln County; \$446,920 for construction and monitoring of Nonpoint Source Remediation projects in McDowell, Mingo, Preston, and Upshur counties; and \$58,545 for miscellaneous expenses (vehicle expenses, travel, etc.).
- Acres of Streams Reclaimed -1,700 feet of stream on Pigeon Creek in Mingo County was restored using natural stream restoration techniques. In-stream structures were installed, sinuosity was restored and the flood plain reestablished. This project, located adjacent to a public park, will increase fish habitat quality and macro invertebrate biodiversity as well as reduce the downstream impacts of flooding. Two ¼ acre wetlands on Barton Bench were enhanced where wetland functions were limited by poor hydrology and drainage through culverts, compacted soils, monotypical stands of cattails

Promoting a healthy environment.

and rushes, and a lack of woody debris and micro-topography. Restoration design on 3.2 miles of Lower Davis Creek is nearing completion. The West Virginia Watershed Assessment Pilot Project is expected to enhance the ability of multiple agencies and citizen watershed groups to identify projects that could positively affect thousands of feet of streams. The Lower Buffalo Creek Restoration Project is expected to enhance approximately 9.5 miles of stream from Man to Stowe. The Little Coal River Project will utilize Natural Stream Design techniques to restore approximately 15 miles of stream when completed.

- Effectiveness of Stream Restoration — Acid mine drainage nonpoint Source projects in Sovern Run, Muddy Creek and Morgan Run in the Cheat River Watershed reduced acidity by an average of 85%, iron by an average of 85%, and aluminum by an average of 80%. Overall these pollutant reductions have helped restore and maintain the tributaries to the Cheat River on which they are located as well as the Cheat Lake fishery. Two acid mine drainage nonpoint source projects on Smooth Rock Lick of the Buckhannon River have completely reduced the acidity, iron and aluminum coming from those abandoned mine lands. These projects will help to restore Smooth Rock Lick as well as contribute to an overall improvement in the Buckhannon River. Evaluation of three sections along the 8.5 mile section of the Little Coal River has shown increased fish habitat quality and bed complexity, increased substrate biodiversity and increased macro invertebrate biomass and diversity.

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

Sincerely,



Thomas L. Clarke, Director  
Division of Mining and Reclamation

TLC/ac

Enclosure

cc: Ashley LeMasters  
Melinda Campbell  
Lewis Halstead  
Craig Hatcher  
Teresa Koon  
Legislative Auditor

**Fund 3349 Stream Restoration (Fiscal Years 1999-2012)**

<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

Commitments: Devils Fork Wastewater Treatment System \$46,166; Evaluation of Mitigation Success \$110,000; WV Watershed Assessment Project \$89,885; Barton Bench Restoration \$214,708; Little Coal River Design \$3,183,366; Lincoln PSD Waterline Project \$2,400,000; Buffalo Creek Watershed Asso. Stream Rest. Project \$500,000; Lamber Run, Sovern, and Multiple Other Projects \$100,816; War Sewer Line Extension Phase One \$1,206,648; Pigeon Creek \$187,992; Monitoring Ashland Wastewater Project \$7,000; UGWA County Wastewater Plan \$5,536; Sovern Run Titchnell & Sands Project \$202,466; West Run AMD Morgantown Airport \$264,685; WVU Research Corp Roaring Creek Mars Portals AMD \$215,302; Herods Run AMD \$257,193; Lamberts Site 7 \$200,000; North Fork Greens Run Railroad Refuse \$111,523; WVU Cane Fork of Cabin Creek AMD Passive Treatment \$100,000 (as of 12/10/12)

**Fund 3349 Stream Restoration Expenditures by Project**

<u>Project</u>	<u>FY02-06</u>	<u>FY2007</u>	<u>FY2008</u>	<u>FY2009</u>	<u>FY2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>Project Totals</u>
Chief Logan Dam	\$1,905,774							\$1,905,774
Dunloup Creek/Kilsyth Sewage Treatment Project	\$80,000		\$235,972	\$9,028				\$325,000
Wallback Dam	\$405,101							\$405,101
Laurel Lake Dredging Project	\$96,820							\$96,820
Ohley Stream Bank Restoration	\$2,354	\$96,419	\$2,694					\$101,467
Devils Fork Treatment System		\$15,487	\$247	\$28,778	\$14,822	\$45,517	\$43,982	\$148,833
Logan Flood Plain Initiative		\$185,000						\$185,000
Summerlee AMD Treatment			\$50,000					\$50,000
Stream Partners Sub-Grants			\$28,344	\$83,802	\$155,134			\$267,280
Evaluation of Little Coal River				\$30,000	\$55,000	\$80,000	\$109,991	\$274,991
Ashland Wastewater Treatment Plant				\$122,706	\$26,421			\$149,127
Lambert Run				\$57,451				\$57,451
Barton Branch						\$634	\$50,520	\$51,154
Nonpoint Source Remediation						\$314,897	\$446,920	\$761,817
Lower Davis Creek Restoration							\$31,885	\$31,885
WV Conservation Agency							\$204,300	\$204,300
Little Coal River Design							\$301,300	\$301,300
Miscellaneous				\$11,466	\$13,237	\$2,577	\$58,545	\$85,825
<b>Totals</b>	<b>\$2,490,049</b>	<b>\$296,906</b>	<b>\$317,257</b>	<b>\$343,231</b>	<b>\$264,615</b>	<b>\$443,625</b>	<b>\$1,247,443</b>	<b>\$5,403,126</b>

<u>Details:</u>								<u>Totals</u>
Design / Monitoring	\$263,275	\$15,487		\$58,778	\$74,981	\$171,234	\$814,367	\$1,398,122
Remediation/ Construction	\$2,226,774	\$281,419	\$317,257	\$272,987	\$176,397	\$269,349	\$374,531	\$3,918,714
Other/Miscellaneous				\$11,466	\$13,237	\$3,042	\$58,545	\$86,290
<b>Totals</b>	<b>\$2,490,049</b>	<b>\$296,906</b>	<b>\$317,257</b>	<b>\$343,231</b>	<b>\$264,615</b>	<b>\$443,625</b>	<b>\$1,247,443</b>	<b>\$5,403,126</b>