

Lebanon Valley Conservancy, Inc.
770 Cumberland St. Suite A
Lebanon PA 17042
717-273-6400

July 15th, 2022

RA-EPSCROWATERSHEDGR@pa.gov
William Severs, Watershed Manager
Department of Environmental Protection
South-central Regional Office
909 Elmerton Avenue | Harrisburg, PA 17110

Subject: C990000639, Submission of Quarterly Work Progress Report

RE: Project Progress Quarterly Report for the 2nd Quarter 2022, Grant Document/Contract Number C990000639, Water Quality Improvement Grant, "**Snitz Creek No. 2, Quittapahilla Watershed**", Lebanon Valley Conservancy, Inc.

Dear William Severs:

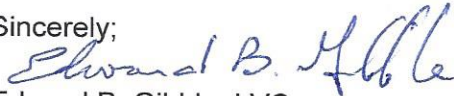
Enclosed please find our 2nd Quarter 2022 Project Progress report for our Grant. Report is for the period 04/01/22 to 06/30/22.

The report and includes the following form and documents:

- DEP Work Progress Form Report
- Clear Creeks Consulting Project Progress Narrative
- Project Schedule for completion (Revised 04/26/22)

If you have any questions, please contact me at 717 821 2021 or email me.

Sincerely;


Edward B. Gibble, LVC

Work Progress Report (Complete for Each Deliverable – Including those with no activity)

DEP Project Advisor: William Severs Report Period: 04/01/22 to 06/30/22
Grantee: Lebanon Valley Conservancy Inc. Document Number: C990000639
Project Name: Snitz Creek No. 2, Quittpahilla Watershed
This Progress Report completed by: (name): Edward Gibble

Deliverable #: 1 Deliverable Title: Snitz Creek Project #2-Design and Permitting
Deliverable % Complete and Status:

Deliverable % complete: 67%. Task 1, Existing Conditions Survey and Base Map is 100% complete this report. Task 2, Hydraulic and Hydraulic Analysis, utilizing HEC-HMS model for peak discharge and calibrated, has been run. Task 4, Preliminary Design, plans have been presented to Landowners with no outstanding issues. Meetings were held

Deliverable #: 1 continued Deliverable Title: Snitz Creek Project #2-Design and Permitting
Deliverable % Complete and Status:

with community and landowners channel changes and property lines were accepted. Task 5, Final Design, plans are being completed expected end of June. Task 6, Local, State and Federal Permitting, Pre-application walk through with Army C of E and Lebanon County CD was completed.

Deliverable #: N/A Deliverable Title: _____
Deliverable % Complete and Status:

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Deliverable % Complete and Status:

**If the project has more than four deliverables, this page may be duplicated.

Proposed Activities for Next Quarter: Finish Task 2, Hydraulic and Hydraulic Analysis. Continue on Task 5 Final Design and Construction Docs. Work on Task 6, Local, State and Federal permit Applications.



CLEAR CREEKS CONSULTING

1317 Knopp Road, Jarrettsville, Maryland 21084

(410) 692-2164

July 1, 2022

Mr. Ned Gibble
The Lebanon Valley Conservancy
752 Willow Street, Suite E
Lebanon, PA 17046

Re: Snitz Creek 2 Stream Restoration Project Status Report

Dear Mr. Gibble:

As indicated in my last Status Report, after a two and one half year delay, the Cornwall Borough acquired the land needed for the project from the Krall Family. As a result, my team restarted work on the project in late January of this year. This Status Report will update you on the work completed for the period including, April 1 through June 30, 2022. The attached invoice shows services provided and percent completed. The following is a summary of tasks completed as reflected on the invoice.

Task 2.0 – Hydrologic and Hydraulic Analysis

1. Utilizing the 1-, 2-, 10-, 50 and 100-year flows developed from the hydrologic analysis and Final Design Plans, a proposed conditions hydraulic analyses is being conducted for the project reaches. The HEC-RAS model is used to approximate and model existing water surfaces and hydraulic parameters associated with these flow events. If the model raises stability concerns, the Final Design Plans will be adjusted to address these concerns.

Task 4.0 – Preliminary Design

1. The Preliminary Design Plans were presented to the landowners along the project area to ensure there were no outstanding issues from their perspective. In addition to a Community Meeting, several meetings were held with individual landowners, particularly those where the design channel alignment and associated grading extended into their property. In preparation for these meetings a review of the Lebanon County Tax Assessment records indicated that one of the properties had changed ownership. This required not only introducing the new property owners to the project but obtaining all of the necessary landowner approval forms. After flagging the new project limits in their yards, making minor adjustments to the proposed grading on theirs and an adjoining property and the addition of larger caliper trees to the planting plan, all landowners indicated their acceptance of the preliminary plans.

Task 5.0 – Final Design

1. Prior to initiating work on the Final Design Plans a site visit was conducted to the Stoner and Krissinger Properties in order to GPS both public and private utilities (sanitary sewer connection, power and internet cable) that were installed across the channel. After adding these utilities to the plans, it was evident that adjustments to the proposed channel profile were necessary to avoid impacting them. Those adjustments were made, and the Final Design Plans are being completed.
2. Initiated preparation of the Final Design Report that summarizes the results of the field studies, existing/proposed conditions hydrologic and hydraulic analysis, and supporting engineering computations for the restoration/stabilization of Snitz Creek project reach.

Task 6 – Local, State and Federal Permitting

1. A pre-application site walk was conducted with the US Army Corps of Engineers, PA Department of Environmental Protection and Lebanon County Conservation District staff on June 13, 2022, to present the Preliminary Design Plans. We were informed by the DEP representative that in order for the Cornwall Borough to obtain MS4 credits for the project they must be the permit applicant. After the site walk, I contacted Cody Rhoads, Borough Manager to inform him of this requirement.

With this invoice of \$46,130.70 Clear Creeks Consulting has billed a total of \$98,963.32 or 65.5% of the total Design and Permitting Phase budget for services for the Snitz Creek 2 Stream Restoration Project.

Please let me know if you have any questions.

Sincerely,



Rocky Powell

Enclosure: Invoice #2022-07

Snitz Creek 2 Project Team Schedule
(Revised April 26, 2022)

Task	Schedule	Status
Topographic Survey	May 28 – June 28, 2019	Completed
Base Map Preparation	June 28 – July 19, 2019	Delayed
Geomorphic Assessment	May 28 – June 7, 2019	Completed
Environmental and Cultural Assessments	June 27 – July 20, 2019	Completed
Kralls refuse to sign Landowner-Grantee Agreement (LOA)	July 8, 2019	
PADEP notifies LVC Project is On Hold since signed LOAs had not been submitted	July 30, 2019	
Borough makes formal compensation offer to Kralls	February 14, 2020	
Kralls sign LOA. However, they want Borough to purchase the restoration easement area.	March 29, 2020	
PADEP informed LVC they had not received the Krall LOA nor had they received the LOAs for the other landowners along Snitz Creek. Project On-Hold	June 2020	
PADEP notifies LVC that all signed LOAs received and Project no longer On Hold	August 11, 2020	
Cody Rhoads, Borough Manager, informs us Kralls are delaying the Borough's acquisition of the land necessary to implement the project.	October 8, 2020	
Kralls agreed to accept the Borough's offer to purchase restoration easement area. Borough is surveying the property and will finalize the purchase of the land sometime in the next month.	April 11, 2021	
LVC Submits formal request for grant extension. DEP grants extension until December 31, 2022.	May 3, 2021	
Sales agreement for Kralls land signed 01/4/22 for closing 04/22/22	January 14, 2021	
Base Map Preparation	January 31 – February 11, 2022	Completed
Hydrologic Analysis (Clear Creeks & EPR)	January 31 – February 11, 2022	Completed
Design Criteria (Clear Creeks & EPR)	February 15 - 18, 2022	Completed
Draft Preliminary Design (Clear Creeks)	February 18 - 28, 2022	Completed
Preliminary Design CAD (EPR)	April 25 – 28, 2022	Completed
Present Preliminary Design to Landowners	May 26, 2022	Completed
Pre-Application Site Visit with Agencies	June 13, 2022	Completed
Draft Final Design Plans (Clear Creeks)	June 13-17, 2022	Completed
Final Design Plans (EPR)	June 20-24, 2022	90% Complete
Hydraulic Analysis (EPR)	June 27-July 8, 2022	In Progress
Final Design Report including H&H and Environmental & Cultural Assessment Narratives and exhibits (Clear Creeks & EPR)	July 11-22, 2022	In Progress
Draft Erosion and Sediment Control Plans (Clear Creeks)	June 6 - 10, 2022	Completed
Erosion and Sediment Control Plans (EPR)	June 13 - 24, 2022	Completed
Construction Documents including construction specifications; materials (wood, rock and plants) quantities; and structure tables (Clear Creeks)	June 27 – July 15, 2022	In Progress
Construction Documents including earthwork (cut & Fill) quantities; geometry coordinates (plans, line & curve tables and cross-section stakeout points) (EPR)	June 27 – July 15, 2022	
Engineer's Review and Seal	July 15 – July 29, 2022	
LCCD E&S Permit Application (Clear Creeks & EPR)	August 1 – 12, 2022	
LCCD E&S Permit Application Submitted (Clear Creeks)	August 12, 2022	
LCCD Review and Approvals	August 15 – 30, 2022	
State and Federal Permit Applications including Joint	August 1 – 12, 2022	

Permit application for PADEP Chapter 105 and USACOE 404 permits; 105 environmental assessment form (Clear Creeks & EPR)		
Permit Applications Submitted (Clear Creeks)	August 12, 2022	
Local, State and Federal Permit Reviews and Approvals ¹	August 15 – January 2023	

Notes:

1. Contract Deliverables – Final Design Plans and Construction Documents; Local, State and Federal Permit Applications.
2. Clear Creeks Consulting Contract Deliverables will be completed with submission of Permit Applications to Permitting Agencies. We will close out our contract with a final billing at that time. However, Clear Creeks will continue to track and address any agency comments until all permits obtained. Given our experience with previous projects we anticipate having District approval within 2 – 3 weeks; US Army Corps approval within 45 – 60 days and PADEP approval within 6 – 8 months.
3. LVC WQ Improvement Grant # C990000639 for Snitz Creek 2 Design and Permitting (Project # 201806207885) deadline is December 31, 2022