



Eagle Scout Service Project Workbook



BOY SCOUTS OF AMERICA®

Eagle Scout candidate's full legal name Milan Chokshi

Please give a name to your project Floating Wetlands Habitat Improvement

Scouts and Parents or Guardians

Please read "Message to Scouts and Parents or Guardians" on pages 5 and 6. This includes excerpts and summaries from the Guide to Advancement that may help ensure requirements are properly administered according to national BSA policies and procedures. Please note, also, that when Eagle Scout candidates submit their project proposal they will promise they have read this entire workbook. Doing so will be important to their success.

Only the Official Workbook May Be Used

Eagle Scout candidates must use the official Eagle Scout Service Project Workbook, No. 512-927, as produced by the BSA and found at www.scouting.org/advancement. Although it is acceptable to copy and distribute the workbook, no council, district, unit, or individual has the authority to produce or require additional forms, or to add or change requirements, or to make any additions, deletions or changes in the text, outlines, links, graphics, or any other elements of the workbook.

Attention: Unit, District, and Council Reviewers

Eagle Scout projects must be evaluated primarily on impact—the extent of benefit to the religious institution, school, or community, and on the leadership provided by the candidate. There must also be evidence of planning and development. This is not only part of the requirement but relates to practicing the Scout motto, Be Prepared. However, in determining if a project meets Eagle Scout requirement 5, reviewers must not require more planning and development than necessary to execute the project. These elements must not overshadow the project itself, as long as the effort was well led and resulted in otherwise worthy results acceptable to the beneficiary.

How to Use This Workbook

This workbook includes valuable information that can help ensure your success. It includes four project forms: a proposal, a plan, a fundraising application, and a report. Following the project report you will find "Navigating the Eagle Scout Service Project," an information sheet that you should provide to the project beneficiary before the beneficiary approves your proposal. You will find it helpful to take the entire workbook—even the parts that have not yet been prepared—with you to all meetings and discussions concerning your project.

Before preparing any of the four forms, read with your parent or guardian, the "Message to Scouts and Parents or Guardians" found on pages 5 and 6. If your project is worthy and meets Eagle Scout requirement 5 as written, the message will help you successfully present your proposal through the approval process.

Preparing the Project Proposal

Your proposal must be completed first. It is an overview, but also the beginnings of planning. Be sure to read "Instructions for Preparing Your Proposal" which appears right after the proposal cover page in this workbook.

The Project Plan

Prepare your project plan after your proposal has been approved, but before you begin work on your project. The Project Plan form is a tool for your use. No one approves it, although your project beneficiary has the authority to review it and require changes in it. Your project plan can also be important in showing your Eagle Scout board of review that you have planned and developed your project as required. And you are strongly encouraged to share your project plan with an Eagle Scout service project coach. Doing so can help you avoid many problems associated with service projects. Be sure to check with the council or district person who approved your proposal to learn how project coaches are designated in your community.

The Fundraising Application

If your fundraising effort involves contributions only from the beneficiary, or you, your parents or relatives, your unit or its chartered organization, or parents or members in your unit, then you do not need a fundraising application. If you will be obtaining money, materials, supplies, or donations from other sources, you may need to submit an application. See "Procedures and Limitations on Eagle Scout Service Project Fundraising," which appears on page B of the fundraising application.

The Project Report

Prepare the project report after the project has been executed. You must sign it to confirm you led and executed the project. Note also, the signature lines for the beneficiary's and your unit leader's approval that your project fulfilled Eagle Scout requirement 5.

Meeting Eagle Scout Requirement 5

Eagle Scout Requirement 5

While a Life Scout, plan, develop, and give leadership to others in a service project helpful to any religious institution, any school, or your community. (The project must benefit an organization other than the Boy Scouts of America) A project proposal must be approved by the organization benefiting from the effort, your unit leader and unit committee, and the council or district before you start. You must use the Eagle Scout Service Project Workbook, No. 512-927, in meeting this requirement.

Project Purpose

In addition to providing service and fulfilling the part of the Scout Oath, “To help other people at all times,” one of the primary purposes of the Eagle Scout service project is to learn leadership skills, or to improve or demonstrate leadership skills you already have. Related to this are important lessons in project management and taking responsibility for a significant accomplishment.

Choosing a Project

Your project must be for any religious institution, any school, or your community. It is important to note, however, that the BSA has defined “your community” to include the “community of the world.” Normally, “your community” would not refer to individuals, although a council or district advancement committee may consider scenarios in which an individual in need can affect a community. It is then a matter of identifying a source representing the “community” who will provide approvals. For more information, see the Guide to Advancement, No. 33088, topic 9.0.2.5.

Your project must present an opportunity for planning, development, and leadership. For example, if a blood drive is chosen and the blood bank provides a set of “canned” instructions to be implemented with no further planning, the planning effort would not meet the test. You may need to meet with blood bank officials and work out an approach that requires planning, development, and leadership. This might involve developing and carrying out a marketing and logistics plan, reaching a challenging collection goal, or coordinating multiple blood collection events.

An Internet search can reveal hundreds of service project ideas. Your project does not have to be original, but it could be. It might be a construction, conservation, or remodeling project, or it could be the presentation of an event with a worthwhile purpose. Conversations with your unit leader, teachers, your religious leader, or the leaders of various community organizations can also uncover ideas. In any case, be sure the project presents a challenge that requires leadership, but also something that you can do with unskilled helpers, and within a reasonable period of time.

Restrictions and Other Considerations

There are no required minimum hours for a project. No one may tell you how many hours must be spent on it.

- Routine labor is not normally appropriate for a project. This might be defined as a job or service you may provide as part of your daily life, or a routine maintenance job normally done by the beneficiary (for example, pulling weeds on the football field at your school).
- While projects may not be of a commercial nature or for a business, this is not meant to disallow work for community institutions, such as museums and service agencies (like homes for the elderly, for example), that would otherwise be acceptable. Some aspect of a business operation provided as a community service may also be considered; for example, a park open to the public that happens to be owned by a business, but primarily benefits the community.
- A project may not be a fundraiser. In other words, it may not be an effort that primarily collects money, even for a worthy charity. Fundraising is permitted only for securing materials and facilitating a project, and it may need to be approved by your council. See “Eagle Scout Service Project Fundraising Application” later in this workbook.
- No more than one Eagle Scout candidate may receive credit for working on the same Eagle Scout service project.
- Projects must not be performed for the Boy Scouts of America, or its councils, districts, units, or properties.

Collecting Service Project Data

The BSA collects information on hours worked on Eagle Scout projects because it points to achievement of our citizenship aim. Please assist with data collection by keeping a list of people who help and the number of hours they work. When you prepare your project report you will need to include this data on page B of the report. Providing accurate information will also help your unit leadership enter your project into the BSA’s Journey to Excellence tracking system.

Message to Scouts and Parents or Guardians

The Eagle Scout service project requirement has been widely interpreted—both properly and improperly. This message is designed to share with you, the Eagle Scout candidate, and your parents or guardians the same information BSA provides to council and district volunteers responsible for project proposal approvals throughout the Boy Scouts of America.

In addition to reading this entire workbook, you and your parents or guardians should consult the Guide to Advancement, No. 33088, beginning with topic 9.0.2.0, “The Eagle Scout Service Project.” The Guide may be accessed at www.scouting.org/advancement.

The current Guide to Advancement, No. 33088, along with the Scouts BSA Requirements book, No. 33216, and this workbook, are the primary official sources on policies and procedures for Eagle Scout service projects. The Guide to Advancement and Scouts BSA Requirements book are available in Scout shops or on www.scoutshop.org. Your local council and district are important resources for information and guidance and can tell you where to submit service project proposals.

The council and district may also establish limited local procedures as necessary. However, all of this must be done in harmony with the official sources mentioned above. Councils, districts, units, and individuals must not add requirements or ask you to do anything that runs contrary to, or that exceeds, the policies, procedures, or requirements of the Boy Scouts of America.

Available from your Scout Shop or on www.scoutshop.org is an Eagle Project plaque to place at your project location at the completion of the project (<https://www.scoutshop.org/catalog/product/view/id/6831>).

What an Eagle Scout Candidate Should Expect

The Eagle Scout service project belongs to the Eagle Scout candidate. The candidate's parents and others may help, but the Scout must be the leader. Nonetheless, while working toward completion of the project, especially during the proposal approval process, a candidate has the right to expect the following, as reprinted from the Guide to Advancement, topic 9.0.2.1.

1. Questioning and probing for their understanding of the project, the proposal, and what must be done, shall be conducted in a helpful, friendly, courteous, and kindhearted manner. We will respect the Scout's dignity. Scouts will be allowed, if they choose, to have a parent, unit leader, or other adult present as an observer at any time while they are discussing their proposal or project with someone who is reviewing it.
2. Project expectations will match Eagle Scout requirement 5, and we will not require proposals to include more than described in the Eagle Scout Service Project Workbook.
3. If requested by the Scout or the Scout's parent or guardian, an explanation of a proposal rejection will be provided in writing, with a copy sent to the council advancement chair and staff advisor. It will indicate reasons for rejection and suggestions concerning what can be done to achieve approval.
4. Guidance that maximizes the opportunity for completion of a worthwhile project will be readily available and strongly recommended. Ultimately, however, the responsibility for success belongs to the Scout, and final evaluation is left to the board of review.
5. Candidates who believe they have been mistreated or their proposal wrongfully rejected, will be provided a method of redress. This will include the opportunity for a second opinion and approval, either through another volunteer or professional advancement administrator*, or the Scout executive, as determined by the council advancement committee or executive board.

**An "advancement administrator" is a member or chair of a council or district advancement committee, or a volunteer or professional designated according to local practices, to assist in advancement administration.*

Excerpts and Summaries From the Guide to Advancement

Eagle Scout Service Project Coaches (See the Guide to Advancement, topic 9.0.2.9)

Many units, districts, and councils use Eagle Scout service project “coaches,” because the advice they provide after approval of a proposal can be invaluable as candidates develop their project plan. A coach can help Scouts see that if a plan is not sufficiently developed then projects can fail. Assistance can come through evaluating a plan and discussing its strengths, weaknesses, and risks, but coaches do not have the authority to dictate changes or take any other such directive action. Instead, coaches must use the BSA method of positive adult association, logic, and common sense to help the candidate make wise decisions.

It is up to the council to determine who may serve as project coaches and how they might be assigned or otherwise provided to candidates. Coaches must be registered with the BSA (in any adult position) and be current in BSA Youth Protection training, and may come from the unit, district, or council level. For examples of how a service project coach can assist, please see the Guide to Advancement, topic 9.0.2.9. Note that there should be only one coach that is designated for you by your council or district; but your unit may also provide people to coach you.

What Is Meant by “Give Leadership to Others ...?” (See the Guide to Advancement, topic 9.0.2.4)

“Others” means at least two people besides the Scout. Helpers may be involved in Scouting or not, and of any age appropriate for the work. Councils, districts, and units shall not establish requirements for the number of people led, or their make-up, or for time worked on a project.

Evaluating the Project After Completion (See the Guide to Advancement, topic 9.0.2.13)

Eagle Scout projects must be evaluated primarily on impact—the extent of benefit to the religious institution, school, or community, and on the leadership provided by the candidate. There must also be evidence of planning and development. This is not only part of the requirement, but relates to our motto to, “Be Prepared.” However, in determining if a project meets requirement 5, reviewers must not require more planning and development than necessary to execute the project. These elements must not overshadow the project itself, as long as the effort was well led, and resulted in an otherwise worthy outcome acceptable to the beneficiary.

There may be instances where, upon its completion, the unit leader or project beneficiary chooses not to approve a project. One or the other may determine, for example, that modifications were so significant that the extent of the service or impact of the project was insufficient to warrant approval. The candidate may be requested to do more work or even start over with another project. The candidate may choose to meet these requests or may decide—if he or she believes the completed project worthy and in compliance—to complete an Eagle Scout Rank Application and submit the project workbook without final approval. If requested, the candidate must be granted a board of review. If it is thought a unit board may not provide a fair hearing, a board of review under disputed circumstances may be initiated according to the Guide to Advancement, topic 8.0.3.2.

Risk Management and Eagle Scout Service Projects (See the Guide to Advancement, topic 9.0.2.14)

All Eagle Scout service projects constitute official Scouting activity and thus are subject to Boy Scouts of America policies and procedures. Projects are considered part of a unit's program and are treated as such with regard to policies, procedures, and requirements regarding Youth Protection, two-deep leadership, etc. The health and safety of those working on Eagle projects must be integrated into project execution. Since an Eagle Scout service project is a unit activity, unit leadership has the same responsibility to assure safety in conducting a project as with any other unit activity. The unit leader or unit committee should reject proposals for inherently unsafe projects. The candidate should plan for safe execution, but it must be understood that minors cannot and must not be held responsible for safety concerns. As with any Scouting activity, the Guide to Safe Scouting applies. BSA also expects leaders to use the four points of SAFE when delivering the program. The SAFE Checklist can be found at: <https://www.scouting.org/health-and-safety/safe/>. The most current version of the Guide to Safe Scouting can be found at: <https://www.scouting.org/health-and-safety/gss/>.

Insurance and Eagle Scout Projects (See the Guide to Advancement, topic 9.0.2.15)

The Boy Scouts of America General Liability Policy provides general liability insurance coverage for official Scouting activities. Registered adult leaders are provided primary coverage. Unregistered adults participating in a Scouting activity are provided coverage in excess of their personal insurance. Every council has the opportunity to participate in the BSA Accident and Sickness insurance program. It provides some insurance for medical and dental bills arising from Scouting activities. If councils do not purchase this, then units may contract for it. In some cases, chartered organizations might provide insurance, but this must not be assumed. Most of these programs provide only secondary coverage, and are limited to registered youth and adults and those interested in becoming members.

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Eagle Scout Service Project Proposal



BOY SCOUTS OF AMERICA®

Eagle Scout candidate's full legal name Milan Chokshi

Please give a name to your project Floating Wetlands Habitat Improvement

Instructions for Preparing Your Proposal

Meeting the Five Tests of an Acceptable Eagle Scout Service Project

Your proposal must be prepared first. It is an overview, but also the beginnings of planning. It must show your unit leader, unit committee, and council or district that your project can meet the following tests.

1. ***It provides sufficient opportunity to meet the Eagle Scout service project requirement.*** You must show that planning, development, and leadership will take place; and how the three factors will benefit a religious institution, a school, or your community.
2. ***It appears to be feasible.*** You must show the project is realistic for you to carry out.
3. ***Safety issues will be addressed.*** You must show you have an understanding of what must be done to guard against injury, and what will be done if someone gets hurt.
4. ***Action steps for further detailed planning are included.*** You must make a list of the key steps you will take to make sure your plan will have enough details so it can be carried out successfully.
5. ***You are on the right track with a reasonable chance for a positive experience.***

When completing your proposal you only need enough detail to show a reviewer that you can meet the tests above. If showing that you meet the tests requires a lengthy and complicated proposal, your project might be more complex than necessary. Remember, the proposal is only the beginnings of planning. Most of your planning will come with the next step, preparation of your project plan.

If your project does not require materials or supplies, etc., simply mark those spaces "not applicable." As a reminder, do not begin any work, or raise any money, or obtain any materials, until your project proposal has been approved.

Consider also, that if you submit your proposal too close to your 18th birthday, it may not be approved in time to finish planning and executing the project.

Working with Your Project Beneficiary

On the last two pages of this workbook there is an information sheet called, "Navigating the Eagle Scout Service Project." This is for you to print and give to the religious institution, school, or community that will benefit from your efforts. You should do this as part of your first meeting with your beneficiary and use the sheet to help explain how the Eagle Scout service project works. Be sure to read it carefully so you can explain what it says.

"Navigating the Eagle Scout Service Project" will help you communicate a number of things to your beneficiary. For example, it provides thanks and congratulations for accepting the project; and it gives some background, discusses the requirements, and points out the responsibilities connected with approving your project proposal. It also explains that the beneficiary has the right to review, and also to require changes in your project plan.

Again, be sure to read carefully "Navigating the Eagle Scout Service Project" so you will have a full understanding of the role of your beneficiary.

Next Step: Your Project Plan

Once your proposal is approved, you are **strongly encouraged** to prepare your project plan using the form in this workbook. Doing so increases the likelihood your project will be approved at your Eagle Scout board of review. As you begin preparing it, you should meet with a project coach. Check with the person who handled the approval of your project proposal to learn how coaches are designated in your community.

Your designated coach can help you avoid the common pitfalls associated with Eagle Scout service projects and be a big part of your success. You may also want to talk to your unit leader. There may be adults in your troop who are experts in conducting the kind of project you are planning. It's ok for you to work with them as well. The more coaching you get, the better your results will be.

Beginning Work on Your Project

Once your proposal has been fully approved and you have finished your project planning, only then, may you begin work on your project.

Contact Information

Eagle Scout candidates should know who is involved, but contact information may be more important to unit leaders and others in case they want to talk to each other. While it is recognized that not all the information will be needed for every project, Scouts are expected to provide as much as reasonably possible. Approval representatives must understand, however, that doing so is not part of the service project requirement.

Eagle Scout Candidate

Name: Milan Chokshi	Birth date: 7-25-09		
Email Address: milan.r.chokshi@gmail.com	BSA PID number: 132142189		
Address: 721 Russells Way	City: Warrington	State: PA	Zip: 18976
Preferred telephone(s): 215-501-2091	Life Board of Review date: 12/2/2024		

Current Unit Information

Check One: ☒ Troop ☐ Crew ☐ Ship	Unit Number: 172B
Name of District: Tohickon	Name of Council: WCC

Unit Leader

 Check One: ☒ Scoutmaster ☐ Crew Advisor ☐ Skipper

Name: Bob Smith	Preferred telephone(s): (215) 779-7990		
Address: 7 Meetinghouse Rd	City: Hatboro	State: PA	Zip: 19040
Email Address: smith.robert.g94@gmail.com			

Unit Committee Chair

Name: Doug Traher	Preferred telephone(s): 215-620-7364		
Address: 2413 Cindy Ln	City: Warrington	State: PA	Zip: 18976
Email Address: douglas.traher@gmail.com			

Unit Advancement Coordinator

(If your unit has one)

Name: Porchelvan Jeyaraman	Preferred telephone(s): 203-252-8585		
Address: 2507 Cindy Ln	City: Warrington	State: PA	Zip: 18976
Email Address: porchelvan@gmail.com			

Project Beneficiary

(Name of religious institution, school or community)

Name: Warrington Township	Preferred telephone(s): 215.343.9350		
Address: 852 Easton Road	City: Warrington	State: PA	Zip: 18976
Email Address: aoles@warringtontownship.org			

Project Beneficiary Representative

(Name of contact person for the project beneficiary)

Name: Andrew Oles	Preferred telephone(s): 215.343.9350		
Address: 852 Easton Road	City: Warrington	State: PA	Zip: 18976
Email Address: aoles@warringtontownship.org			

Your Council Service Center

Contact Name: Anna Marie Pepper	Preferred telephone(s): 215-348-7205 x306		
Address: 1 Scout Way	City: Doyelstown	State: PA	Zip: 18901
Email Address: EagleProjects@scouting.org			

Council or District Project Approval Representative

(Your unit leader, unit advancement coordinator, or council or district advancement chair may help you learn who this will be.)

Name: Bob Cull	Preferred telephone(s): 908-432-9404		
Address: 360 Barbertown Idell rd	City: Frenchtown	State: NJ	Zip: 08825
Email Address: bobpcull@gmail.com			

Project Coach

(Your council or district project approval representative may help you learn who this will be.)

Name: Robert Smith	Preferred telephone(s): 215-779-7990		
Address: 7 Meetinghouse rd	City: Hatboro	State: PA	Zip: 19040
Email Address: smith.robert.g94@gmail.com			

Project Description and Benefit

Briefly describe your project

I will build and install a floating wetland platform in a pond at a nearby park for my Eagle Scout project. The location is a Mill Creek tributary, situated near the intersection of Bristol Road and Folly Road. Floating wetlands suspend plants over a body of water, with their roots extending downward into the water. This allows the roots to directly interact with the surrounding water, where they can absorb excess nutrients such as nitrogen and phosphorus.

The water quality will improve over time as these nutrients are removed. Once established, the system will also enhance the surrounding ecosystem by creating additional habitat for local wildlife that depend on wetland environments, including birds, amphibians, and other small aquatic organisms.

The wetland will be constructed using a PVC pipe frame. The PVC will provide a strong, lightweight frame capable of supporting the wetland system. Additionally, extra supports will be installed at key points along the frame to increase stability and prevent warping over time. The frame will serve as the foundation for all other layers of the floating wetland.

The main surface of the platform will be composed of two sheets of plastic tree fence mesh in a crisscross pattern on the bottom of the PVC to create a stable base for the growing medium. This mesh will hold the plants in place while still allowing water to flow freely through the system.

On top of the mesh, a layer of biofilm will be added as the growing medium. It will retain enough moisture to support plant growth while still allowing roots to grow downward into the water, where they can interact directly with the aquatic environment.

The outer layer of the platform will be enclosed with bird netting, which will secure all materials in place and prevent the growing medium, mesh, and plants from shifting or being displaced due to wind, waves, or water movement. This protective layer will help maintain the system's integrity over time and also reduce maintenance requirements after installation.

The wetland will float due to sealed plastic bottles attached to the underside of the PVC frame. To ensure the platform remains stable and level on the water's surface, these bottles will be evenly spaced. This flotation system will also support the additional load as the plants grow and mature. To keep the platform in position, it will be tethered to the shore using rope or nylon line secured to a nearby tree or to a pole driven into the ground near the water's edge. This approach will prevent the platform from drifting while avoiding sediment disturbance in the pond.

Native vegetation will be placed on the surface of the structure, chosen for their ability to thrive in local conditions and support the existing ecosystem.

In addition to the floating wetland itself, the project will include a shoreline trash pickup around the pond area. Volunteers will collect litter and debris from the surrounding park area before installation. An informational sign will also be designed and installed near the pond. The sign will explain what a floating wetland is, how the plants and root system filter the water, and how the structure benefits local wildlife and the broader ecosystem. This sign will help educate park visitors about the environmental value of the project long after it is completed.

Include images on an additional document.

Tell how your project will be helpful to the beneficiary. Why is it needed?

This project helps the beneficiary by providing a natural way to improve the pond with minimal upkeep. Over time, runoff and decaying material add additional nutrients to the pond. If a system has too many nutrients, it can face serious consequences. When there is an excess of certain nutrients, the water can become cloudy, algae can flourish, and the whole ecosystem can become unbalanced.

The floating wetland will help with these issues. As they grow, the plants will pull the same nutrients that lead to negative consequences out of the water, which are the same things that usually cause algae problems. Although it's a slow process, it doesn't require any other materials.

The wetland will also add potential habitats. The roots hanging in the water provide small organisms with a place to live, and the plants above can attract insects and birds.

Additionally, this project requires little maintenance once it's set up. Using native plants will require minimal looking after.

The trash pickup component will improve the immediate appearance of the pond and surrounding park, removing litter that can harm wildlife and make its way into the water. This ensures the environment is healthy and welcoming for both wildlife and park visitors. The informational sign will extend the impact of the project by educating the community about water quality and wetland ecosystems, encouraging stewardship of the pond long after the project is complete.

Overall, the goal is to improve the pond in a way that lasts. It helps clean the water, supports wildlife, and doesn't create extra work in the long term, which is kind of the whole point.

When do you plan to begin carrying out your project?

June, 26

When do you think your project will be completed?

August, 26

Giving Leadership

Approximately how many people will be needed to help on your project?

Where will you recruit them (unit members, friends, neighbors, family, others)?

I'm planning on having somewhere between 8 and 15 volunteers, though that number will depend on who's available on build day and installation day. Most of the help will come from my Scout unit members, since this is an Eagle Scout project and they are already familiar with teamwork and outdoor work. I'll also bring in friends and family, especially for installation, since getting the platform into the water safely takes more hands than the build does. If I'm still short, I'll reach out to neighbors, other Scouts, or adult leaders — mainly for heavier tasks, supervision, or hauling materials to the site. A smaller group of volunteers will also be assigned to the trash pickup effort, walking the shoreline with garbage bags to collect litter before the main installation begins.

What do you think will be most difficult about leading them?

Coordinating people so tasks get done efficiently and safely, especially during installation in the water, will probably be a simple challenge. Each participant needs to take on a clear role without overlap, since not every task requires the same level of skill, strength, or attention.

Keeping everyone on the same page during a hands-on build could also be a simple problem. Conditions like weather and water movement can change, so clear communication and straightforward instructions will matter.

Finally, making sure everyone stays focused and works safely throughout the process will be another simple obstacle. It's easy for people to lose focus or do something incorrectly, so that needs to be managed carefully. This is especially true during the trash pickup portion, where volunteers will be spread out along the shoreline and will need clear boundaries and safety reminders about handling unknown debris.

Materials

Materials are things that become part of the finished project, such as lumber, nails and paint.

What types of materials, if any, will you need? You do not need a detailed list or exact quantities, but you must show you have a reasonable idea of what is required. For example, for lumber, use basic dimensions such as 2x4 or 4x4.

Weatherproof sign board or panel (e.g., aluminum composite or treated wood), approximately 12 × 18 inches
Paint or weatherproof vinyl lettering for the sign text and graphics
Signpost or mounting hardware for installation near the pond

PVC pipe (1 inch diameter, schedule 40), cut to form a 6 ft × 6 ft frame with additional lengths for internal bracing

1 inch PVC connectors (elbows and T joints) for a 6 ft × 6 ft frame with internal support points

Plastic tree fence mesh (two layers), each approximately 6 ft × 6 ft

Coconut coir, enough to cover a 6 ft × 6 ft surface area (about 1–2 inch expanded depth)

Bird netting, approximately 8 ft × 8 ft sheet

Sealed plastic bottles (16–20 oz), distributed under a 36 sq ft frame

Marine grade rope/nylonline (1/4 inch), approximately 20–40 ft total — for tethering the platform to a tree or pole driven near the water's edge

Stakes or a pole (e.g., wooden or metal stake, T post) for driving into the ground near the pond edge as a tether anchor point (if no suitable tree is available)

Native wetland plants (starter plugs or small gallon sized plants)

Tick repellent

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1. Pickerelweed, 2. Broadleaf Arrowhead, 3. Softstem Bulrush, 4. Swamp Milkweed, 5. Blue Flag Iris, 6. Cardinal Flower, 7. Great Blue Lobelia, 8. Tussock Sedge, 9. Creeping Spikerush, 10. American Marsh Pennywort

Supplies

Supplies are things you use up, such as food and refreshments, gasoline, masking tape, tarps, safety supplies and garbage bags.

What types of supplies, if any, will you need? You do not need a detailed list or exact quantities, but you must show you have a reasonable idea of what is required.

PVC primer and PVC cement — used to permanently bond PVC pipe joints for the frame

Zip ties — used to secure mesh layers, netting, and smaller components to the frame

Screws (optional) — used for reinforcing attachment points if needed for added stability

Work gloves — used to protect hands during cutting, assembly, and installation

Safety glasses — used to protect eyes during cutting or drilling PVC and handling materials

First aid kit — used for treating minor injuries during construction and installation

Tarps — used to organize materials, protect parts from dirt/moisture, and lay out components during assembly

Garbage bags — used for collecting packaging waste, keeping the site clean, and collecting litter during the shoreline trash pickup

Measuring tape — used to ensure accurate dimensions for the 6 ft × 6 ft frame and spacing of components

Markers / chalk / string — used for layout marking and alignment during construction

Refreshments (water/snacks) — used to keep volunteers hydrated and energized during long work sessions

Printer paper or stencils — used for planning and laying out the sign design before final production

Tools

Include tools, and also equipment, that will be borrowed, rented, or purchased.

What tools or equipment, if any, will you need? You do not need a detailed list, but you must show you have a reasonable idea of what is required.

PVC pipe cutter or saw — used to cut PVC pipe to the correct lengths for the frame
Measuring tape — used to measure and verify the 6 ft x 6 ft frame and internal supports
Drill (with bits) — used to create holes for zip ties, rope, and assembly points
Rubber mallet — used to help fit PVC joints securely without damaging fittings
Utility knife or scissors — used to cut mesh, netting, and coconut coir to size
Pliers — used to tighten zip ties and secure materials to the frame
Shovels or garden tools — used during installation and site preparation near the pond
Ropes/lines and basic rigging tools — used to guide and position the platform during installation and to set up the tethering system
Post driver or mallet — used to drive a stake or pole into the ground near the pond edge for tethering (if no suitable tree is available)
Wheelbarrow or hand cart (if available) — used to transport materials from staging area to pond site
Work gloves and safety glasses (worn during tool use) — used for personal protection while operating tools
Paintbrushes or rollers — used for applying paint or finish to the informational sign
Level — used to ensure the sign post is installed straight and even

Other Needs

Items that don't fit the above categories; for example, parking or postage, or services such as printing or pouring concrete, etc..

What other needs do you think you might encounter?

Waste disposal services will be needed for the proper disposal of packaging, excess materials, and any construction debris generated during the project. Volunteer coordination such as group messaging platforms will also be used to organize helpers and ensure everyone is informed about work sessions and tasks. Printing services may also be needed to produce a final design layout or stencil for the informational sign. Trash bags and litter pickup supplies will need to be sourced and organized ahead of the shoreline cleanup portion of the project.

Permits and Permissions

Note that property owners should obtain and pay for permits.

Will permissions or permits (such as building permits) be required for your project? Who will obtain them? How long will it take?

Yes, permissions will be required because the project will be installed in a township-owned pond located in a public park. Approval from the township or parks department will be obtained before any construction or installation begins, since any structure placed in the water requires official authorization.

The township or property owner will be responsible for issuing the necessary permission or permit, while I will provide all required project details, plans, and documentation to support the approval process. I will coordinate directly with the beneficiary and my Eagle Scout advisor to ensure all requirements are met.

The approval process is expected to take several weeks, depending on township review procedures, but all permissions will be secured prior to starting the project to ensure full compliance with local regulations.

Approval from Heritage Conservancy will also be obtained for both the floating wetland and the educational sign. Project plans, sign designs, and proposed locations will be submitted early in the planning process to ensure they meet all applicable guidelines and requirements. I will work directly with Heritage Conservancy and the beneficiary to address any feedback and finalize an approved design and installation location before construction begins.

It may also be necessary to obtain clearance from the Warrington Township Public Works Department for the sign and anchor. Any additional approvals required for installation will be secured before project execution.

Preliminary Cost Estimate

You do not need exact costs yet. Reviewers will just want to see if you can reasonably expect to raise enough money to cover an initial estimate of expenses. Include the value of donated materials, supplies, tools, and other items. It is not necessary to include the value of tools or other items that will be loaned at no cost. Note that if your project requires a fundraising application, you do not need to submit it with your proposal.

Enter your estimated expenses below
(include sales tax if applicable)

Materials:	700
Supplies:	85
Tools:	0
Other:	50
Total Costs:	835

Fundraising: Explain how you will raise the money to pay for the total costs. If you intend to seek donations of actual materials, supplies, etc., then explain how you plan to do that, too.

I will raise funds through a combination of direct donations, support from my Scout troop, and potential small fundraising efforts such as asking family, friends, and community members for contributions. I also plan to seek in-kind donations of materials from garden centers or community members when possible, especially for PVC pipe, mesh, and plants. If needed, I may adjust costs by using donated or discounted materials to ensure the project stays within budget.

Project Phases

Think of your project in terms of phases, and list what they might be. The first may be to prepare your project plan. Other phases might include fundraising, preparation, execution and reporting. You may have as many phases as you want, but it is not necessary to become overly complicated; brief, one line descriptions are sufficient. If you have more than 10 phases, attach a separate page with your continued phase list.

1	Phase 1: Project Planning & Approval — Finalize design, get township approval, and complete proposal
2	Phase 2: Fundraising & Donations — Raise money and secure donated materials and supplies
3	Phase 3: Material Procurement — Lead volunteers to collect all needed materials, plants, and supplies
4	Phase 4: Tool & Site Preparation — Gather tools, organize materials, and prepare the work area
5	Phase 5: Frame Construction — Cut and assemble the PVC frame with structural supports
6	Phase 6: Platform Assembly & Installation Prep — Create floating wetland system
7	Phase 7: Sign Construction — Build and finish the informational sign explaining the floating wetland
8	Phase 8: Shoreline Trash Pickup — Volunteers walk the pond perimeter collecting litter and debris
9	Phase 9: Installation — Move the platform to the pond, install and anchor it, and install sign
10	

Logistics

How will you handle transportation of materials, supplies, tools, and helpers?

Transportation of materials, supplies, and tools will be handled by volunteers using their personal vehicles. Larger materials, such as PVC pipe, mesh, and anchors, will be transported in multiple trips if necessary and organized in advance to ensure everything arrives at the site efficiently.

Helpers will coordinate carpooling via group communication so everyone can arrive at the site and the purchasing of materials on time, reducing the number of vehicles needed. Any bulky or heavy items will be loaded and unloaded at a designated staging area near the pond, in accordance with any park or township access guidelines. Trash bags and litter pickup supplies for the shoreline cleanup will also be brought to the site and distributed to volunteers at the start of that phase.

Safety Issues

The Guide to Safe Scouting is an important resource in considering safety issues.

Describe the hazards and safety concerns of which you and your helpers should be aware.

Read the "[Age Guidelines for Tool Usage](#)" at Scouting.org

Safety concerns for this project involve the use of tools, handling materials, and working near or on the water. During construction, tools like PVC cutters, saws, drills, and utility knives can all cause cuts, punctures, or eye injuries if not used properly. To reduce risk, everyone will follow BSA tool guidelines, and safety glasses and gloves will be worn during cutting and drilling. Only Scouts who are trained and approved will use the tools, with adult supervision when needed.

Another major safety concern is working near the pond during installation. This includes risks of slipping on wet or uneven ground, losing balance while moving or positioning the floating platform, and potential accidental entry into the water. Because of this, clear boundaries will be established around the work area, and participants will be instructed to stay within safe zones at all times. Life jackets or other water safety precautions will be used whenever anyone is working near the water's edge or handling the platform during the wetland's placement. Installation will be carefully organized so that lifting and positioning are done slowly and in controlled steps.

There are also risks associated with lifting and transporting materials. The project involves heavy or awkward items such as PVC pipe sections, assembled frames, bricks or concrete anchors, and containers that may become heavier during handling. These materials could cause injuries if not handled correctly. To address this, team lifting techniques will be used. No one will be allowed to lift items beyond a safe weight alone. Tasks will be assigned based on ability and experience to reduce potential injury.

Weather conditions may also introduce hazards. Rain can make surfaces slippery, wind can affect stability when handling large lightweight components like mesh or netting, and extreme heat can cause fatigue or dehydration. For this reason, work sessions will be rescheduled if conditions are unsafe, and hydration breaks will be scheduled during longer work periods.

During the trash pickup phase, volunteers will be reminded not to handle sharp, hazardous, or unidentified objects with bare hands. All participants will wear gloves during the cleanup and will be instructed to use bag tools or sticks to handle questionable items rather than picking them up directly. A first aid kit will be on site throughout all phases of the project.

Project Planning

You do not have to list every step, but it must be enough to show you have a reasonable idea of how to prepare your plan.

List some action steps you will take to prepare your project plan. For example, "Complete a more detailed set of drawings."

Meet with the beneficiary (township/parks department) to confirm project goals, location, and requirements

Visit the pond site to take measurements, assess conditions, and determine installation constraints

Create a detailed design sketch of the 6 ft × 6 ft floating wetland structure

Finalize a materials list with approximate quantities and verify availability of native plants

Obtain necessary township permissions or written approval for installation in the pond

Submit proposed project plan to Heritage Conservancy

Candidate's Promise*		<i>Sign below before you seek the other approvals for your proposal.</i>	
On my honor as a Scout, I have read this entire workbook, including the "Message to Scouts and Parents or Guardians" on page 4. I promise to be the leader of this project, and to do my best to carry it out for the maximum benefit to the religious institution, school, or community I have chose as beneficiary.			
Signed <u>Milan Chokshi</u>		Date <u>06/04/2026</u>	

* Remember: Do not begin any work on your project, or raise any money, or obtain any materials, until your project has been approved.

Unit Leader Approval*		Unit Committee Approval*	
I have reviewed this proposal and discussed it with the candidate. I believe it provides impact worthy of an Eagle Scout service project, and will involve planning, development and leadership. I am comfortable the Scout understands what to do, and how to lead the effort. I will see that the project is monitored, and that adults or others present will not overshadow them.		This Eagle Scout candidate is a Life Scout, and registered in our unit. I have reviewed this proposal, I am comfortable the project is feasible, and I will do everything I can see that our unit measures up to the level of support we have agreed to provide (if any). I certify that I have been authorized by our unit committee to provide its approval for this proposal.	
Signed <u>Robert Smith</u>	Date <u>6/15/26</u>	Signed <u>[Signature]</u>	Date <u>6/22/2026</u>
Name (Printed) <u>Robert Smith</u>		Name (Printed) <u>Doug Traher</u>	

Beneficiary Approval*		Council or District Approval	
This service project will provide significant benefit, and we will do all we can to see it through. We realize funding on our part is not required, but we have informed the Scout of the financial support (if any) to which we have agreed. We understand any fund raising the Scout conducts will be in our name and that funds left over will come to us if we are allowed to accept them. We will provide receipts to donors as required.		I have read topics 9.0.2.0 through 9.0.2.15, regarding the Eagle Scout service project, in the <i>Guide to Advancement</i> , No. 33088. I agree on my honor to apply the procedures as written, and in compliance with the policy on "Unauthorized Changes to Advancement." Accordingly, I approve this proposal. I will encourage the candidate to prepare a project plan and share it with the designated project coach.	
Our Eagle Candidate has provided us a copy of "Navigating the Eagle Scout Service Project, Information for Project Beneficiaries."			
Yes ☒ No ☐			
Signed <u>[Signature]</u>	Date <u>06/23/2026</u>	Signed <u>[Signature]</u>	Date <u>7/4/2026</u>
Name (Printed) <u>Andrew Oles</u>		Name (Printed) <u>Robert P. Cull</u>	

* While it makes sense to obtain approvals in the order they appear, there shall be no required sequence for the order of obtaining those approvals marked with an asterisk (*). Council or district approval, however, must come after the others.



Eagle Scout Service Project Plan



BOY SCOUTS OF AMERICA®

Eagle Scout candidate's full legal name Milan Ronak Chokshi

Eagle Scout Service Project Name Floating Wetlands Habitat Improvement

Planned start date Aug. 10, 2026

Planned completion date Sept 25, 2026

Eagle Scout requirement 5 says you must "plan" and "develop" your service project. Though this project plan is a tool for your use, and is not approved or signed, it is important in helping to show you have done the required planning and development. You should take this project plan with you to your Eagle Scout board of review. Note that you are not required to provide more details than are necessary for the accomplishment of your project.

A Scout who is prepared will complete the project plan, and then review it with the designated project coach before carrying out the project. The council or district representative who approved your project may have agreed to serve as your project coach, or someone else may be designated to take this important role. A project coach's involvement and review of your project plan is optional, but it can help you avoid many problems or mistakes. This can also improve your chances of passing the Eagle Scout board of review.

You should also show your project plan to your beneficiary prior to carrying out the project. This will help ensure your plans agree with the beneficiary's expectations. Remember, the project beneficiary has the authority to require and approve a project plan. Be sure to read "Navigating the Eagle Scout Service Project" at the end of this workbook.

Comments From Your Proposal Review

What suggestions were offered by the council or district representative who approved your project?

For fundraising, since I'm planning to ask retailers, friends, neighbors, and community members for donations, I'll need to submit a Fundraising Application. Mr. Cull gave me specific instructions for it: I need to list every store I might ask, including backups, and note that I'll also be asking friends, neighbors, and organizations. I have to describe any fundraising event, like a car wash, including its date and location, and get my beneficiary's approval on any solicitation language before sending it out, whether that's letters, social media posts, or a GoFundMe. Finally, all donated funds must go straight to the beneficiary or troop treasurer — I can't hold any of it myself or have my family hold it. On safety, he said my risk assessment was thorough. He also attached the S.A.F.E. (Supervision, Assessment, Fitness & Skills, Equipment & Environment) Project Tool Use guidance, which he wants worked into my planning, along with a safety orientation for volunteers.

On leadership, Mr. Cull reminded me that my job is to lead — planning, directing, and teaching volunteers using the E.D.G.E. method — rather than do the physical work myself, since that's what's actually being evaluated. For adult supervision, two registered adults from Troop 172 (B and/or G) need to be on-site at every workday, with no exceptions.

Project Description and Benefit - Changes from the Proposal

As projects are planned, changes are usually necessary. If they are major, it is important to confirm they are acceptable to the beneficiary. You should also discuss major changes with those who approved your proposal, and also with your coach, to get an idea if the changes will be acceptable to your board of review.

How will your project be different from your approved proposal?

No changes have been made to the scope or function of the project as originally approved. The project will still consist of building a floating platform, furnishing it with vegetation, creating and installing informational signage, and organizing a litter pick-up. The only additions since proposal approval are procedural requirements outlined in the district's approval letter: completion of a Fundraising Application, incorporation of the S.A.F.E. tool-use protocol into work-day planning, and confirmation that two registered adult leaders from Troop 172 will be present at every work session. These do not alter what is being built or delivered.

Will the changes make the project more, or less, helpful to the beneficiary? Explain:

These additions will make the project more beneficial to the Heritage Conservancy, not less. The Fundraising Application ensures all donated funds and materials are properly documented and routed directly to the beneficiary rather than held personally, protecting the organization from any liability tied to how the project was funded. The S.A.F.E. protocol and volunteer safety orientations reduce the risk of injury during construction and installation on the beneficiary's property. Two-deep adult leadership from the troop ensures the project meets Scouting America's official activity standards, preserving its safety and fulfilling possible insurance-related needs of the Heritage Conservancy. These additions are not significant.

Present Condition or Situation *Include "before" photographs to show the board of review as attachments.*

Describe the present condition of the worksite. For an event or activity, describe your biggest obstacles.

The worksite is a pond located within a Warrington Township park near Kings Court. The pond itself is in acceptable condition for the installation of a floating wetland, but the surrounding shoreline is currently overgrown with vegetation, making direct access to the water's edge difficult.

The biggest obstacle is the overgrown shoreline surrounding the pond, which currently limits safe access to the water's edge for volunteers carrying materials, the assembled platform, and equipment. To address this, I will obtain a permit from Warrington Township to have the path to the pond mowed prior to my work sessions, ensuring safe and clear access for construction and installation.

Project Phases

You may have more than ten phases, or fewer, as needed.

Look at the phases from your proposal. Make any changes, then provide a little more detail, including approximate starting and ending dates for each phase. If you have more than 10 phases, attach a separate page with your continued phase list.

1	Project Planning & Proposal Approval. Finalize project design and dimensions. June 20 — End: July 4 (complete)
2	Township Approval. Present project plans to Township, obtain any required permits July 12 — August 18
3	Fundraising & Donations. Raise money through direct donations. August 10- August 17
4	Material Procurement. Lead volunteers to purchase and collect all materials. August 13
5	Site Preparation & Sizing/Layout. Confirm exact platform location and tether point with beneficiary. August 14
6	Frame Construction. Create 6×6 frame with internal bracing with cement cure. August 16 —August 17
7	Flotation Attachment Distribute and secure sealed plastic bottles around the frame perimeter. August 18
8	Platform Assembly. Create using tree fence mesh, coconut coir , with bird netting. August 19 — August 21
9	Planting. Insert native wetland plant plugs through the netting and mesh. August 22 — August 22
10	Sign Construction, Shoreline Trash Pickup, Installation. September 5.

Work Processes

Prepare a step-by-step list of what must be done and how everything comes together: site preparation, sizing, assembly, fastening of materials, finishes to be used (paint, varnish, etc.), uses of supplies and tools, etc. Your project coach may be able to assist.

See attached pdf.

Overview:

Site Preparation

Sizing & Layout

Frame Construction

Flotation Attachment

Platform Assembly

Planting

Sign Construction

Shoreline Trash Pickup:

Installation

Attachments

If you are unable to attach items within this workbook, please put them in separate documents that you may send along with your workbook. Attachments might include such things as additional plans, drawings, diagrams, maps, and pictures that will help you carry out your project. They may also be helpful to your workers, your coach, the project beneficiary, and to your board of review. Drawings, if needed, should be to scale. If you are planning an event or activity, something like a program outline or a script would be appropriate

Permits and Permissions

If you will need permissions or permits*, what is being done to obtain them, and when will they be issued?

1. Access to the pond site to complete the remaining project work, including dropping off the bulky pre-assembled PVC frame near the installation location. 2. A permanent mowed trail so park visitors can walk to the pond and read the informational sign, either from the municipal waste site or as a mowed path around the field.

I have already reached out to my beneficiary contact, Andrew Oles, regarding both of these needs. Since Warrington Township owns and maintains the property, they will be responsible for authorizing and arranging site access and the mowed trail. I expect these permissions to be confirmed before my material procurement and site preparation phases begin, so that safe access is in place ahead of construction and installation.

* Could include building or electrical permits, dig permits, event permits, permission to access property, wilderness or back country permits, etc.

Materials List each item, description, quantity, unit cost, total cost, and source. For donated items show value in cost columns. See example.

Plywood	3/4", 4'x8', B-C interior grade	3	20.00	60.00	ABC Hardware Donation
Item	Description	Quantity	Unit Cost	Total Cost	Source
	See attached pdf				
Total cost of materials:					

Supplies List each item, description, quantity, unit cost, total cost, and source. For donated items show value in cost columns. See example.

Plastic tarp	9' x 12', 2mil think	2	4.00	8.00	ABC Hardware
Item	Description	Quantity	Unit Cost	Total Cost	Source
	See attached pdf				
Total cost of supplies:					

Tools

List tools and equipment that must be purchased or rented; with quantity, unit cost, total cost, source, and who will operate or use it. See example.

Circular power saw*	1	0.00	0.00	Mr. Smith	Mr. Smith
Tool	Quantity	Unit Cost	Total Cost	Source	Who will operate/use?
See attached pdf					
Total cost of tools:					

Other Needs

List each item, description, quantity, unit cost, total cost, and source. For donated items, show value in cost columns. See example.

Printing	Marketing brochure	2000	0.01	20.00	ABC Hardware
Item	Description	Quantity	Unit Cost	Total Cost	Source
	See attached pdf				
Total cost of other needs:					

Expenses

Item	Projected Cost
Total materials (from above)	\$569.89
Total supplies (from above)	\$92.65
Total tools (from above)	\$0.00
Total other (from above)	\$105.30
Total cost	\$813.88

Revenue

Total to be raised: \$

Contribution from beneficiary: \$

Describe how you will get the money for your project. Include what any helpers will do to assist with the effort and also any requests you will make for donations of supplies, materials, etc.

See attached pdf

Giving Leadership

Fill out the chart below, telling about specific jobs that need to be done, the skills needed to do them, whether they must be adults or may be youth, how many helpers are needed, and how many you have so far (if any). For example:

Work at car wash	Able to drive or wash cars	Adult drivers/supervisors, youth to wash	2 adults, 10 youth	1 adult, 5 youth
Job to Be Done	Skills Needed (if any)	Adult or Youth	Helpers Needed	Helpers So Far
Cut and assemble PVC frame	Basic tool use	1 adult, 4 youth	5	2
Attach flotation, mesh, netting, and biofill	None	1 adult, 6 youth	7	2
Plant native vegetation	None	4 youth	4	2
Build and finish informational sign	Basic painting/assembly	1 adult, 3 youth	4	2
Shoreline trash pickup	None	2 adult, 8 youth	10	2
Transport and launch platform onto pond	Team lifting	2 adult, 6 youth	8	2
Anchor/tether platform	Basic knot tying	1 adult, 3 youth	3	2
Site preparation and	None	1 adult, 3 youth	4	2
Transport materials, supplies, and tools	Valid driver's license	3 adult	3	2

What are your plans for briefing helpers, or making sure they know how to do what you want them to do?

I will hold a brief safety orientation at the start of every work session, explaining that day's tasks, assigning specific roles to each volunteer, and demonstrating proper tool use before anyone begins work. I will also walk through the S.A.F.E. guidelines relevant to that day's activity.

What is your plan for communicating with your workers to make sure they know how to get to the site and where to park, that they will be on time and they will have with them what they need?

I will use Remind to share the work schedule, site address, parking instructions, and a reminder of what to bring (water, gloves, sunscreen) 24–48 hours before each work session. I will confirm headcounts in advance so I know how many helpers to expect each day.

Logistics

How will the workers get to and from the place where the work will be done?

The pond site is about 10 minutes from the troop's regular meeting place. Volunteers will carpool or be driven by a parent/guardian directly to the site, with drop-off and pick-up handled by parents or registered adult leaders.

How will you transport materials, supplies, and tools to and from the site?

Materials and tools will be brought to a staging area by personal vehicle, then a truck will transport them down to the pond for the work day.

How will you assure the tools used are in good condition, that clearance and barriers needed between users are considered, and that the tools are properly used and stored?

All tools will be inspected before each work day for damage or wear. Work will be organized into separated bay/quadrant zones so volunteers aren't working on top of each other, with clear spacing maintained around anyone using a drill. Power tools (drill) will only be operated by registered adult volunteers following S.A.F.E. protocol; hand tools will be distributed and collected at a central tool station and stored there when not in use, then packed up at the end of each work day.

How long will your helpers be working each day? (Recommend no more than eight hours per day)

Work Day 1: 8/29, 4–7 PM (3 hours). Work Day 2: 9/6, 4–7 PM (3 hours).

How will the workers be fed?

Food will be provided for volunteers, purchased by me leading the project.

Where will restrooms be located?

The nearest restrooms are about a 5-minute car ride from the site.

Safety

Will a first aid kit be needed for this project? If so, where will it be kept?

Yes, a first aid kit will be on-site during all phases of the project. It will be kept at the entrance.

Will any hazardous materials or chemicals be used? If so, how will you see that they are properly handled?

PVC primer and cement will be used during frame construction. These will be handled only by adult-supervised volunteers, used in a well-ventilated outdoor area, and stored securely when not in use, following manufacturer safety instructions on the product label.

List hazards you might face. These could include severe weather, wildlife, hazardous tools or equipment, overhead or underground utilities, sunburn, etc. What will you do to prevent problems? For example, "Hazardous tools will be operated by adults only."

Potential Hazard	What will you do to prevent problems?
Cuts/injuries from tools	Hazardous tools will be operated by trained Scouts only, under adult supervision.
Slipping or falling near the water's edge	Clear work-zone boundaries will be established;
Accidental entry into the water	Life jackets or water safety precautions will be used by anyone working near the water's edge
Heat, sun exposure, and dehydration	Water breaks scheduled regularly; sessions rescheduled if extreme heat is forecast

How do you plan to communicate these safety issues and hazards to your helpers?

I will review the relevant hazards and precautions during the in-person safety briefing held at the start of each work session, tailored to that day's specific tasks.

What personal protective equipment or supplies may be needed? (For example, gloves, goggles, hardhats, etc.)

Work gloves, safety glasses, sunscreen, and water/hydration supplies. Life jackets or water safety gear will be used during platform installation.

When will you hold a safety briefing? At the start of each work session Who will conduct it? Milan Chokshi

Who will be your first-aid specialist? registered adult leader present

How may emergency vehicles access the site? Emergency vehicles can access the site through the entrance on Kings Court.

Contingency Plans

What would cause postponement or cancellation of the project? What will you do should this happen?

Severe weather, such as thunderstorms, high winds, or extreme heat, could make work near the pond unsafe and would require rescheduling that session to the next available date.

Insufficient volunteer turnout could also delay a work day if there are not enough hands to safely complete the planned tasks; in that case, I would either reschedule or adjust the day's tasks to match the volunteers available.

A delay in receiving the necessary permits from Warrington Township — for pond site access and the mowed trail — could also push back my timeline, since safe access to the site depends on both. If this happens, I will stay in contact with my beneficiary, Andrew Oles, to get an updated timeline for approval, and adjust my phase schedule accordingly while keeping my Project Coach informed of any resulting changes.

If a shortage of funds or donated materials threatens the project's completion, I will scale back non-essential elements only after discussing the change with my beneficiary and district approval representative, since any change in scope must be reported before proceeding.

In all cases, I will communicate any delays to my volunteers through Remind, and I will notify my beneficiary and Project Coach of any timeline changes to ensure the project's completion.

Comments From Your Project Coach About Your Project Plan

A project coach's comments can be extremely helpful in assuring your project is successful.

Eagle Scout Service Project Fundraising Application

Before filling out this application, it is important to read "Procedures and Limitations on Eagle Scout Service Project Fundraising." This can be found on the next page: "Fundraising Application Page B." Once completed, you must obtain approval from the project beneficiary and your unit leader, and then submit the fundraising application to your council service center at least two weeks in advance of your fundraising efforts. You will be contacted if it cannot be approved or if adjustments must be made. Use this form, not the Unit Money-Earning Application.

Eagle Scout Candidate

Name: Milan Ronak Chokshi		Preferred telephone(s): 215-501-2091	
Address: 721 Russells Way		City: Warrington	State: PA Zip: 18976
Email Address: milan.r.chokshi@gmail.com			
Check One: ☒ Troop ☐ Crew ☐ Ship		Unit Number: 172 B	
Name of District: Tohickon		Name of Council: WCC	

Project Beneficiary

(Name of religious institution, school or community)

Name: Warrington Township		Preferred telephone(s): 215-343-9350	
Address: 852 Easton Road		City: Warrington	State: PA Zip: 18976
Email Address: aoles@warringtontownship.org			

Project Beneficiary Representative

(Name of contact person for the project beneficiary)

Name: Andrew Oles		Preferred telephone(s): 215-343-9350	
Address: 852 Easton Road		City: Warrington	State: PA Zip: 18976
Email Address: aoles@warringtontownship.org			

Describe how funds will be raised:

Funds will be raised through the online fundraising platform, GoFundMe. The GoFundMe will be handled by St. Paul's UMC, the charter organization of Scouts BSA Troop 172B. Funds will be dispersed to my Eagle project benefiting Warrington Township EAC. Any amount received in excess of expenses will be given to the township.

Proposed date the service project will begin: Aug. 29

Proposed dates for the fundraising efforts: Aug. 15-26

How much money do you expect to raise? \$850.00

If people or companies are asked for donations of money, materials, supplies, or tools, how will this be done and who will do it?*

Monetary donations will be requested from family, friends, and community members through a GoFundMe campaign shared by me, my parents, and troop members via email, text, and social media. For materials, I personally reached out to Beautiful Acres Nursery and received a discount on plants for the project. No further material donation requests from businesses are planned.

*You must attach a list of prospective donor names and what they will be asked to donate. This is not required for an event like a car wash.

Are any contracts to be signed? No If so, by whom? n/a

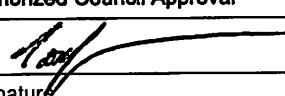
Contract details:

n/a

Caution: Using an Adobe or other PDF reader to insert a "signature" can cause this entire document's contents to be locked preventing future edits; make sure you save a copy if any signatures will be inserted digitally.

Approvals

The beneficiary and unit leader sign below, in any order, before authorized council approval is obtained.

Beneficiary	Unit Leader	Authorized Council Approval*
Andrew Oles 8/13/2026	Robert Smith 8/12/26	 8/13/26
Signature Date	Signature Date	Signature Date



Eagle Scout Service Project Report



BOY SCOUTS OF AMERICA®

Eagle Scout candidate's full legal name Milan Ronak Chokshi

Eagle Scout Service Project Name Floating Wetlands Habitat Improvement

Project start date 8.29.26

Project completion date 9.06.26

This report is to be prepared after your service project has been concluded. It is not necessary to provide lengthy answers. Be prepared to discuss your project and this report at your board of review.

Project Execution:

Once planning was completed, when did the work begin? 15 days

When was it finished? 24 days

Project Description

Please provide a brief description of your project and the impact it will have.

My Eagle Scout project is a Floating Wetlands Habitat Improvement at a pond in Warrington Township, PA, done in partnership with Warrington Township and the Heritage Conservancy. I also created an informational sign and did a police line for any trash at the site. I designed and built floating wetland platforms using PVC pipe frames, plastic bottles for flotation, tree frame, growing medium, and native wetland plants. These platforms will improve water quality by filtering nutrients and pollutants, provide habitat and food sources for local wildlife, and add a lasting, low-maintenance ecological improvement to the pond for the township and conservancy to maintain going forward.

Describe what you did after your proposal was approved to complete the planning of your project.

After my proposal was approved, I finalized the construction design, deciding between flotation options and settling on PVC pipe frames with bottles for flotation. I contacted plant vendors, including Jeremy Fly at Bountiful Acres and nursery contact Randy, to source native plants, and coordinated with Aquascapes Unlimited for the remaining plantings. I also worked with my Scoutmaster and district contacts to confirm the build schedule, organized volunteers and workdays, and drafted fundraising materials, including a GoFundMe campaign, to cover material costs.

Observations

What went well?

The build process itself went smoothly — assembling the PVC frames, securing the bottles for flotation, attaching the tree frame, and planting the native species all came together efficiently once we had our materials and volunteers on-site. Volunteer turnout for both workdays was solid, with friends and troop members showing up and helping the work move quickly. Both workdays also finished roughly on schedule, which kept the project on track.

What was challenging?

One of the main challenges was transporting materials to the project site. I had requested a mowing permit to create a clear path to the pond, but the permit didn't come through in time (and ultimately wasn't approved), which made it much harder to carry the PVC frame, bottles, and plants to the location. I had to find alternative ways to get materials to the site without the mowed access path I had planned on.

It was also challenging working in and around the water while wearing hiking boots, since our shoes and feet would get wet, which made it uncomfortable and awkward to move around the site while placing the platforms and plants.

Changes

Many successful projects require changes from the original proposal. What significant changes did you make and why did you make them (be brief)?

Many aspects of the build changed from my original plan as I ran into real-world constraints. Originally, I planned to fill the platform with a solid sheet of dirt to hold the native plants. After thinking it through further, I realized this would create two problems: the dirt would be far too heavy for the platform to support, and since the platform sits directly on the water, the soil would quickly become waterlogged and unstable. To fix this, I switched to using individual plant baskets instead, which hold each plant separately, drain properly, and keep the overall weight manageable.

I also had to change how I attached the flotation bottles to the PVC frame. My original design called for the bottles to sit directly underneath the frame for flotation, but once I had the actual PVC assembled, I realized the perimeter of the frame wasn't large enough to fit the bottles that way. Instead, I redesigned the flotation system to attach bottles along both sides of the PVC pipe, which still provided enough buoyancy to support the plants and growing medium while working with the frame's actual dimensions.

Leadership

In what ways did you demonstrate leadership?

I demonstrated leadership by taking ownership of every stage of the project, from planning through execution. I coordinated with Warrington Township, the Heritage Conservancy, and plant vendors like Bountiful Acres and Aquascapes Unlimited to plan the build, and worked with my Scoutmaster to keep the project on track. I organized both workdays, assigned tasks to volunteers like assembling PVC frames, attaching flotation, and planting, and directed the work on-site so everything moved efficiently. I also led the fundraising effort, drafting materials to make sure I had the resources needed to finish the project, and made key design decisions on my own when problems came up, like redesigning the flotation and planting methods.

What was most difficult about being the leader?

The most difficult part was managing the logistics and unexpected problems on my own, like when the mowing permit didn't come through and I had to figure out an alternative way to get materials to the site. As the leader, it was on me to solve problems like that quickly, without slowing down the volunteers who had shown up to help, while still keeping everyone organized and motivated. It was also hard directing my friends. Since we're used to being equals, it was hard at times to give them instructions and keep the work on track without it feeling awkward or like I was ordering them around. I had to find a balance between being clear and directive as the leader while still keeping things comfortable and respectful of our friendship.

What was most rewarding about being the leader?

The most rewarding part was seeing a project I designed and planned come together through the effort of people I'd organized — watching the platforms take shape on the workdays and knowing that the finished result would benefit the pond and community for years. It was rewarding to see volunteers trust my direction and to know the project's success came from decisions I made along the way.

What did you learn about leadership, or how were your leadership skills further developed?

I learned how much leadership depends on clear communication and delegation. Directing volunteers on the workdays taught me how to explain tasks clearly so people with different skill levels could jump in and contribute effectively. I also developed my ability to communicate with adults in professional settings, like coordinating with the township, the conservancy, and vendors, which was different from working with friends and troop members. Overall, I learned that a big part of leadership is keeping people organized and motivated, and making sure everyone understands their role in the bigger picture of the project.

Materials, Supplies, Tools, Other

Were there significant shortages or overages of materials, supplies, tools, and other? If so, what effect did this have?

There were a few notable shortages and overages during the project. I ran short on flotation bottles, since my original estimate didn't account for the extra bottles needed once I redesigned the frame's flotation setup, so I had to source more before finishing construction. On the other hand, I ended up with leftover soil after the final workday, since switching to plant baskets meant I needed less than my original solid-dirt design — I'll be able to return the unused soil. I also had extra food from feeding volunteers, which I offered to them to take home. Overall, these were minor adjustments that didn't significantly affect the project's budget or timeline.

Entering Service Project Data

The BSA collects information on the hours worked on Eagle Scout service projects* because it points to achievement of our citizenship aim. To assist with the data collection, please refer to your list of people who helped and the number of hours they worked. Then please provide the information requested below. Include hours spent doing planning under Total Hours Worked.

Be sure to include yourself, and the time spent on planning.

	Number of Workers	Total Hours Worked
The Eagle Scout Candidate - Planning Hours	1	60
The Eagle Scout Candidate - Execution Hours	1	15
Registered BSA youth members	7	21
Other youth (brothers, sisters, friends, etc., who are not BSA members)	2	6
Registered BSA adult Scouting volunteers and leaders	3	15
Other adults (parents, grandparents, etc., who are not BSA members)	2	20
Grand Total of Hours (enter here and on your Eagle Scout Rank Application)		137

***There is no requirement for a minimum number of hours that must be worked on an Eagle Scout service project.**

If you have been told you must meet a minimum number of hours then you may lodge a complaint with your district or council. If you have given leadership to an otherwise worthy project and are turned down by your board of review solely because of a lack of hours, you should appeal the decision.

Funding Summary

Describe how you obtained money, materials, supplies, and other needs (including donations) for your project.

I obtained funding for my project mainly through a GoFundMe campaign, which I set up and coordinated with my troop leadership to reach out to family, friends, and the community for donations. For materials and supplies, I sourced native wetland plants from vendors including Bountiful Acres (working with contact Jeremy Fly) and Aquascapes Unlimited, and purchased PVC pipe, plastic bottles for flotation, tree mesh, growing medium, and bird netting for the platform construction.

How much was collected?

How much was spent?

If your expenses exceeded funds available, explain why this happened, and how excess expenses were paid.

My expenses exceeded my fundraising goal by about \$100, mainly because I needed extra flotation bottles after redesigning part of the build to fit the PVC frame's actual dimensions. I covered this difference out of my own pocket to complete the project without delay.

If you had money left over at the end of your project, did you turn it over to the project beneficiary? If "No," when will that be done, or if your beneficiary is not allowed to accept the left over funds, which charity will receive them?

n/a

How were the donors thanked?

I thanked my donors on the GoFundMe campaign page, posting a message of appreciation at the end of the project to let them know their contributions helped make it a success and to update them on the completed work.

Photos and Other Documentation

If you have them, submit photographs taken before, during and after project completion on a separate document. You may physically attach letters, maps, handouts, printed materials, or similar items that might be helpful to your board of review.

Caution: Using an Adobe or other PDF reader to insert a "signature" can cause this entire document's contents to be locked preventing future edits; make sure you save a copy if any signatures will be inserted digitally.

Candidate's Promise Sign below before you seek the other approvals.

On my honor, I was the leader of my Eagle Scout service project and executed it as reported here

Milan Chokshi

Signature *M. Chokshi*

Date 9.9.26

Approvals

In my opinion, this Eagle Scout service project meets Eagle Scout requirement 5, as stated on page 3 of this workbook.

Beneficiary name:		Unit leader name:	Robert Smith
Signature	Date	Signature <i>Robert Smith</i>	9/9/26 Date