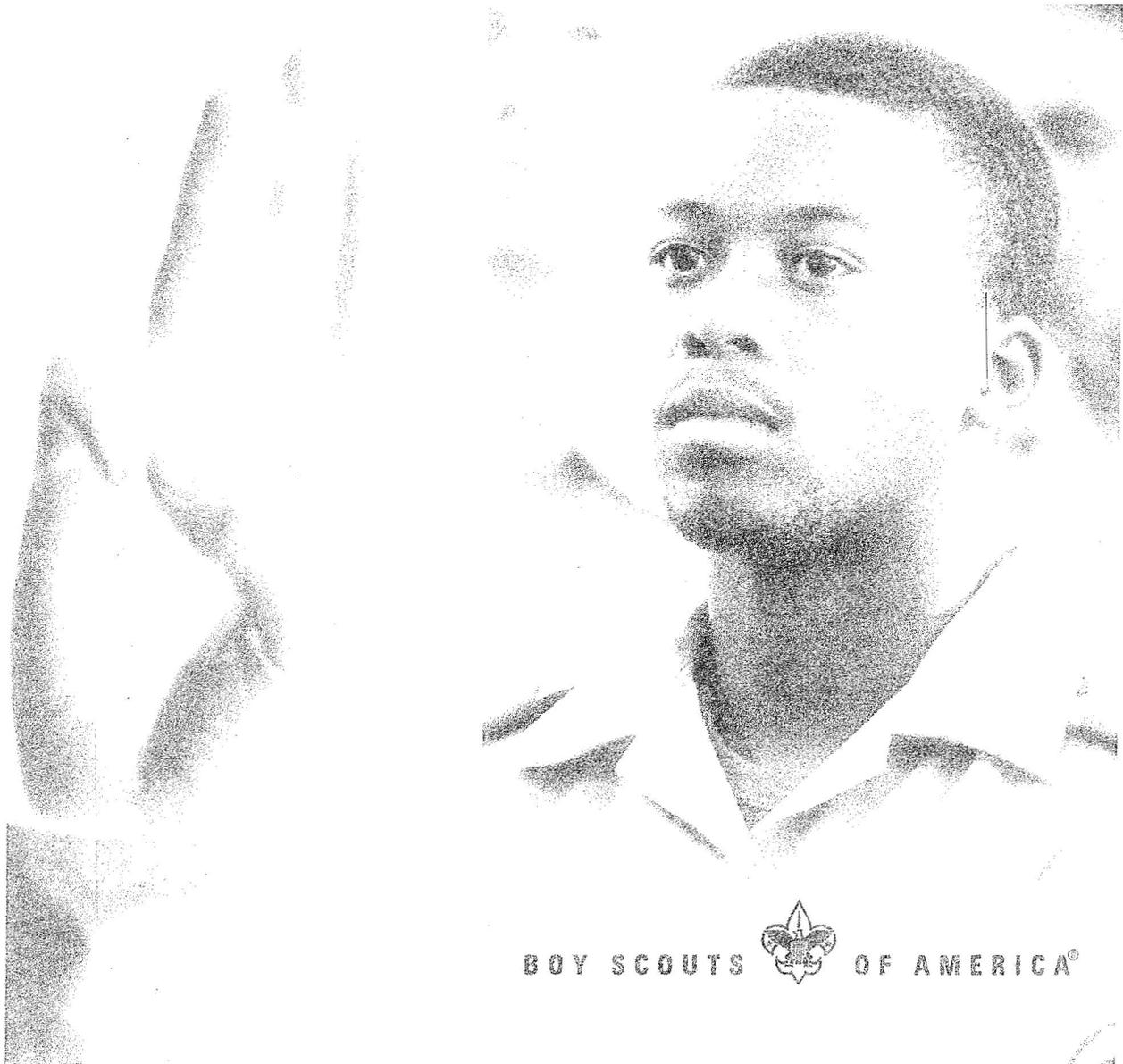


Eagle Scout

Leadership Service

Project Workbook



BOY SCOUTS  OF AMERICA®



BOY SCOUTS OF AMERICA
National Office
1325 West Walnut Hill Lane
P.O. Box 152079, Irving, Texas 75015-2079
972-580-2000

Message from the Chief Scout Executive

Congratulations, Life Scout.

In attaining the rank of Life Scout, you have had the opportunity to learn and master many skills. You've hiked and camped in good and not-so-good weather. You've learned to take care of yourself and others in the out-of-doors, as well as in your home community.

Before you now is the opportunity to master yet another set of skills. These skills are encompassed in the requirements for the rank of Eagle Scout. One of these requirements is your demonstration of leadership skills. You do so by planning and carrying out an Eagle Scout leadership service project.

This Eagle Scout Leadership Service Project Workbook will help you meet this requirement. You will use this workbook to plan, receive the necessary approvals, carry out, and then report on the completion of your project.

After completing your project and all the other requirements for the rank of Eagle Scout, complete the following steps:

1. Review the Eagle Scout Rank Application. Note that you will need to list references of people who will speak on your behalf. You will also need to prepare a statement about yourself.
2. Fill out the Eagle Scout Rank Application. Ask your unit leader and/or unit advancement committee person to assist you.
3. Secure the signatures of your unit leader and unit committee chairman. Their signatures indicate approval and recommendation by your unit.
4. Submit your Eagle Scout Rank Application and the statement about yourself with your Leadership Service Project Workbook to your local council service center.

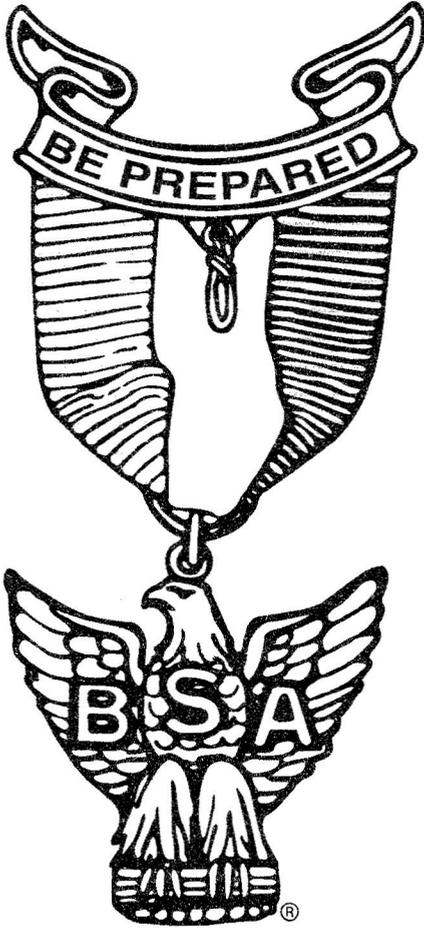
The contents of your application will be certified and the references you have listed will be contacted. After certification and reference verification, you will be contacted by the Eagle Scout board of review chairman, who will set your board of review date.

Eagle Scouts are recognized as a group of men who are outstanding in all that Scouting represents. I encourage you to become a member of this elite group.

Sincerely,

Robert J. Mazzuca
Chief Scout Executive

Eagle Scout Leadership Service Project Workbook



Chris (Loucif) Mitchell

Scout's name

13502 SW 21st St. Miramar, Florida 33027

Address

978.399.8939

5/19/1994

Telephone No.

Date of birth

Chris_mitchell.2009@yahoo.com

E-mail (optional)

Ship 814

Unit No.

Seminole

District

Local council

Rich Guertin

Unit leader's name

13502 SW 21st St. Miramar, Florida 33027

Address

954.816.7407

Telephone No.

Kasie Correa

Unit advancement committee person's name

1861 SW 126th Avenue, Miramar, Florida 33027

Address

954-881-6006

Telephone No.

Your Eagle Scout Leadership Service Project

How to Start

You have earned the Life Scout rank and are ready to begin your Eagle Scout leadership service project. This workbook will help you plan and record your progress and complete and submit a final report.

The Requirement

As stated in the *Boy Scout Handbook*: While a Life Scout, plan, develop, and give leadership to others in a service project helpful to your religious institution, school, or your community. (The project should benefit an organization other than the BSA.) The project plan must be approved by the organization benefiting from the effort, your unit leader (Scoutmaster, Varsity Scout Coach, Venturing crew Advisor), unit committee, and by the council or district advancement committee before you start. You must use the Eagle Scout Leadership Service Project Workbook, No. 18-927E, or this online equivalent, in meeting this requirement.

Originality

Does the leadership service project for Eagle have to be original, perhaps something you dream up that has never been done before? The answer: No, but it certainly could be. You may pick a project that has been done before, but you must accept responsibility for planning, directing, and following through to its successful completion.

Limitations

- Routine labor (a job or service normally rendered) should not be considered.
- Projects involving council property or other BSA activities are not acceptable.
- Projects may not be performed for businesses.
- Projects may not be of a commercial nature.
- Projects may not be a fund-raiser. Fund-raising is permitted only for securing materials needed to carry out the project.
- Donors to projects must be made aware of what entity is benefiting from the project, and that it clearly is not the Boy Scouts of America.
- Any funds raised for a project and not used for the purchase of project materials must be returned to the donors.

Size

How big a project is required? There are no specific requirements, as long as the project is helpful to a religious institution, school, or community. The amount of time spent by you in planning your project and the actual working time spent in carrying out the project should be as much as is necessary for you to demonstrate your leadership of others.

Examples

A look at some projects other Scouts have done for their Eagle Scout Award illustrates that your project can be to construct something or can be to render a service. Scouts have

- Made trays to fasten to wheelchairs for veterans with disabilities at a Veterans Administration hospital.
- Collected used books and distributed them to people in the community who wanted and needed, but could not afford, books.
- Built a sturdy footbridge across a brook to make a safe shortcut for children between their homes and school.
- Collected and repaired used toys and gave them to a home for children with disabilities.
- Organized and operated a bicycle safety campaign. This involved a written safety test, equipment safety check, and a skills contest in a bike rodeo.
- Surveyed the remains of an old Spanish mission and prepared an accurate map relating it to the present church.
- Built a “tot lot” in a big city neighborhood and set up a schedule for Boy Scouts to help run it.
- Set up a community study center for children who needed a place to do schoolwork.
- Trained fellow students as audiovisual aides for their school. Arranged for more than 200 hours of audiovisual work.
- Prepared plans for a footbridge on a trail in a national forest. Worked with rangers to learn the skills necessary to build the structure, gathered materials and tools, and then directed a Scout work group to do the construction.

Approvals

Before You Start

The project plan must be reviewed and approved by the beneficiary of the project, your unit leader, the unit committee, and the council or district advancement committee before the project is started.

The following questions must be answered before giving this approval:

- What is the project you are planning?
- Who will benefit from the project?
- How will they benefit?
- What representative of the project’s beneficiary will be contacted for guidance in planning the project?
- What are the project planning details?

Remember, the project must be approved before you begin, so make sure all signatures have been secured before you start the project. You must be a Life Scout before you begin an Eagle Scout leadership service project.

Completion

Although your project was preapproved by the project's beneficiary, your unit leader, the unit committee, and the council or district advancement committee before it was begun, the Eagle Scout board of review must approve the manner in which it was carried out. The following must be answered:

- In what ways did you demonstrate leadership of others?
- Give examples of how you directed the project rather than doing the work yourself.
- In what way did the religious institution, school, or community group benefit from the project?
- Did the project follow the plan?
- If changes to the plan were made, explain why the changes were necessary.

Filling Out the Form

As you plan and carry out your leadership service project, use this workbook to record your plans and progress. Remember that others will be reading these pages. You should print, type, or write legibly using black or blue ink. Complete the form on a computer if you have access to an electronic version. You may add as many pages as needed to thoroughly complete the workbook.

National Eagle Scout Association

The National Eagle Scout Association was created in 1972 with the express purpose of bringing together Eagle Scouts of all ages so that they may be of greater service to themselves, their local councils, and their communities, thereby conserving and developing the human resources potential represented by those who hold Scouting's highest rank.

When you receive your Eagle badge, you will be eligible for membership in this elite association. You should give it serious consideration. Applications are available from your local council service center.

Project Description

Project name: **Reef Expansion at Oleta River State Park**

Describe the project you plan to do.

My Eagle Project is designed to create a new Designed Reef at Oleta River State Park by creating and deploying five reefballs in a cross configuration.

Artificial and Designed Reefs:

The idea of building and placing artificial reef balls has been around for a long time. Most people are familiar with the term “artificial reef”. An artificial reef is a man-made underwater structure, such as a sunken ship, vehicle, concrete blocks, PVC piping, etc. A Designed Reef differs from an artificial reef in that it has gone through a specific design process. As a result of the design process, Designed reefs have greater longevity and meet the specific requirements of the environment without causing more harm (for example, initially people put tires in the ocean to act as artificial reefs. As they eroded they emitted chemicals into the water that caused even more harm).

A fellow member of Ship 814, Rebecca Schultz, created and deployed a number of artificial reefballs in numerous locations including Golden Beach and Oleta River State Park. After much experimentation, Rebecca was able to identify both the best materials to make the Designed reef and the most effective configurations of the reefballs (the Cross which is in the shape of an “X”, and the “V” which is the shape of a “V”). She successfully placed Designed reefs at Oleta River State Park. Her project later became a statewide program called Operation Reefball which has been teaching many Venture Crews, Boy Scouts, Girl Scouts and Sea Scouts about the Designed reefs and how they can help and expand the idea of helping the Florida reefs.

I have grown up spending much of my time in the ocean and I am very interested in marine studies and improving the environment. I knew that I wanted my Eagle Project to blend both interests and to make a difference in improving the ocean ecosystem.

During one of our Sea Scout meetings I learned that an artificial reef had been started at Oleta River State Park. My Eagle Project will include creating and expanding the reef at Oleta.

Overview of the Project:

In order to complete the project, I believe we will need approximately 1 initial preliminary dive to assess the site. This dive was completed on August 23rd, 2009. I also estimate that we will need 3 days of work to build the Designed reef balls. Once the reef balls have been built, we will need 2 dives to deploy them.

What group will benefit from the project?

Oleta River State Park

305.919.1844

Name of religious institution, school, or community

Telephone No.

3400 NE 163rd St

Miami

FL

33160

Street address

City

State

Zip code

My project will be of benefit to the group because:

Many people and groups will benefit from my Eagle Project at Oleta River State Park;

- **The Environment** – The ecosystem at Oleta River State Park will be improved by eliminating the debris and by creating a Designed reef that will encourage a healthy environment for fish and wildlife.
- **The Community** – The Eagle Project will provide the community with a new dive site. It will also help the community learn more about ways to improve the environment and to create designed reefs. A more attractive dive site will also increase the number of divers to the area which will help the Oleta River State Park economy.
- **Operation Reefball** – This will continue the mission of Operation Reefball to expand the reef systems in Florida. It will also provide Operation Reefball with publicity for their program. This publicity will encourage people to become more involved with protecting our Florida environment.
- **Ship 814** – This project will provide the Ship with an opportunity to learn more about why it is important to build Designed reefs and will energize scouts to help the environment.

This concept was discussed with my unit leader on:

6/3/09

Date

The project concept was discussed with the following representative of the group that will benefit from the project.

Nancy Pendingo

Representative's name

8/23/09-9/11/09

Dates of meetings

Ranger

Representative's title

305.919.1844

Phone No.

Project Details

Plan your work by describing the present condition, the method, materials to be used, project helpers, and a time schedule for carrying out the project, the estimated cost of the project, and how the needed funds will be obtained. Describe any safety hazards you might face, and explain how you will ensure the safety of those carrying out the project.

If appropriate, include photographs of the area before you begin your project. Providing before-and-after photographs of your project area can give a clear example of your effort.

Present Condition:

Currently Oleta River State Park's Artificial Reef has two sets of reefballs, the cross and the "V". There has been some botanic growth on the reefballs as well as a very small amount of fish, a few of them are tropical reef fish. The new reef I plan to install will encourage additional botanic growth and marine life expanding the habitat in the reef.

Planning and Permitting:

I have met with Rebecca and Elena Schultz to learn about the Designed reef in Oleta River State Park, as well as Rebecca's process for successfully building Designed reefs. The Department of Environmental Resource Management (DERM) currently has permits to place reefballs in Oleta River State Park that would cover my Eagle Project. I completed a diver with DERM on 9/10/09 to identify the best location for my reef balls (coordinates: N 25 degrees 54 minutes 22.9 seconds by W 080 Degrees 08 Minutes 00.3 Seconds) and have received an approval letter from DERM for my Eagle Project (found on the next page). I have discussed the project with a number of rangers from Oleta River State Park and received their approval, as well.



Carlos Alvarez, Mayor

- ADA Coordinator
- Agency Coordination
- Art in Public Places
- Audit and Management Services
- Aviation
- Building Code Compliance
- Building
- Business Development
- Capital Improvements
- Citizen's Independent Representation Trust
- Communications
- County Office Action Agency
- Community & Economic Development
- Community Relations
- Courier Services
- County Parks & Recreation
- Countywide Health and Planning
- Cultural Affairs
- Electricity
- Emergency Management
- Employee Relations
- Enterprise Technology Services
- Environmental Resources Management**
- Fair Employment Practices
- Finance
- Flood Resilience
- General Services Administration
- Historic Preservation
- Homeless Trust
- Housing Agency
- Housing Finance Authority
- Human Services
- Interim and Review Panel
- International Trade Association
- Innovation Assessment Center
- Miscellaneous
- Metropolitan Planning Organization
- Parks and Recreation
- Planning and Zoning
- Police
- Procurement Management
- Property Appraiser
- Public Library System
- Public Works
- Safe Neighborhoods
- Seaport
- Solid Waste Management
- Strategic Business Management
- Team Metro
- Trust
- Urban Riverwalk and Task Force
- Visual Arts and Gardens
- Water and Sewer

Department of Environmental Resources Management
 Ecosystem Restoration & Planning Division
 701 NW 1st Court, Ste-400
 Miami, Florida 33136-3912
 T 305-372-6864 F 305-372-6425

miamidade.gov

September 1, 2009

RE: Chris Mitchell's Eagle Scout Project

To Whom It May Concern:

Chris Mitchell has contacted the Department of Environmental Resources Management (DERM) expressing interest in working on an artificial reef project in the Oleta River Artificial Reef Site for his Eagle Scout Project.

Miami-Dade County DERM holds the necessary permits from local, state, and federal environmental agencies to utilize the Oleta River Artificial Reef Site. As the permit holders, DERM grants Mr. Mitchell authorization to use the Oleta River Artificial Reef Site for his Eagle Scout Project. Mr. Mitchell must coordinate with DERM, specifically the Restoration and Enhancement Section, throughout his project to ensure compliance with the conditions of the artificial reef site permits. DERM biologists will provide guidance to Mr. Mitchell during this process as needed.

Please contact me at (305) 372-6859 or sthanner@miamidade.gov with any questions.

Sincerely,

Thanner,
Sara (DERM)

Digitally signed by Thanner, Sara
 (DERM)
 DN: cn=Thanner, Sara (DERM)
 Date: 2009.09.01 12:00:24 -04'00'

Sara Thanner
 Environmental Resources Project Supervisor

Approved for Signature: Sara Thanner

[Signature]

Method:

Preliminary Work: Personal Skill Development (Timeframe August 2008 – July 2009)

Over the last year, I have been building my own personal skills in preparation for my Eagle Project. In January 2009, I received training on how to create reefballs and learned how to do water testing at Camp Sawyer. In addition, I took an AP Environmental Science course at school last year and also attended a year-long class at the New England Aquarium. As a Presidential Scholar, I selected and attended the Presidential Classrooms on Energy and the Environment as well as the Science and Technology course. Finally, I became a certified diver this summer in preparation for my Eagle project.

Preliminary Work: Assessing the Site (Timeframe August 23rd 2009 – September 10th, 2009)

On August 23rd, 2009 I completed a preliminary dive, with my dive team, on the Oleta site to find a new dropsite to place the new reefballs. On September 10th, 2009, I confirmed this location during my dive with DERM. I anticipate that the reefballs will be placed at the following coordinates: N 25 degrees 54 minutes 22.9 seconds by W 080 Degrees 08 Minutes 00.3 Seconds. During my dive on August 23rd, I utilized a 4 person dive (including myself). We will carpool to the site with our gear. The gear required is 2 tanks, 2 BCs, 2 regulators, 2 weight belts and required weights for users, and 2 mask/snorkel sets, and 1 underwater cameras, first aid kit, 1 dive flag, 1 GPS, and 1 Dingy. All of this gear is currently available from Ship 814.

Once at the site, we will set up the gear (that includes assembling the gear and testing to make sure the gear is working properly). We will load the gear onto the dingy with three people, Myself (Open Water Diver), Michael Guertin (Advanced Diver, and Mr. Dennis Metzger (who is a master instructor). The fourth, Mr. Rich Guertin, will stay on shore on standby in case of an emergency. Then we will drive the dingy out to the dive site and put on our gear. I anticipate that the first dive will last for 35 minutes and Mr. Dennis will take pictures as we look for a new reefsite and review the current state of the reefballs already placed there

Once the site has been assessed, we will break down the gear, and transport ourselves and the gear back to our homes. I will then use the information acquired from the dive to finalize my plan to build and deploy reefballs.

I utilized this same process for the September 10th, 2009 dive. In addition to my team, DERM also dived on this date and provided all their own equipment.

Step I: Build the Designed Reef Balls (Timeframe: April 2010)

In Step 1 of my Eagle Project, I will be building the reefballs. Rebecca Schultz has agreed to be my technical advisor for building the reefballs. My team and I will meet at my house with our materials. I anticipate that I will need 8 participants to help build the reefballs. The materials required include: wooden pallets, small reefball molds, rubber balls, concrete mix, and a container to hold the mixed concrete, mixers, sand, sugar water, and sprayer to apply the sugar water. Currently, Rebecca has the wooden pallets, molds, rubber balls, and sprayer in her possession. For the rest of the materials, I will be seeking donations from home improvement stores such as Home Depot, Lowes, etc.

Once at our build site, we will set up the molds by:

- Placing sand at the bottom of the molds - this will make sure the concrete doesn't stick to the wooden pallets holding the molds together.
- Setting up the rubber balls inside of the molds - this adds chambers that the fish and wildlife can live/hide in.
- Coating the inside of the molds and the rubber balls with the sugar water. The sugar water serves two purposes, 1: to act as a "Pam" for the reef balls so that the concrete doesn't stick to the balls or molds. 2: the sugar water gives the reef balls a rougher texture which allows coral and plants to attach themselves to the reefballs with greater ease.
- Mixing Concrete.
- Cleaning materials. Letting concrete cure.

The next day my team and I will meet up at the build site and take apart the molds by:

- Removing bolts holding molds together
- Tapping on molds very gently with mallet to loosen concrete
- Pull molds apart very carefully
- Remove rubber balls
- Clean off materials

We will then repeat this building process for 2 days, each day producing 3

reefballs. At the end of the 2 days, my team and I will clean off materials and put them away and then put the reefballs in my homes garage for storage.

| <i>Style</i> | <i>Width</i> | <i>Height</i> | <i>Weight</i> | <i>Concrete Volume</i> | <i>Number of Holes</i> |
|--------------|--------------|---------------|---------------|--------------------------|------------------------|
| Oyster | 1.5 Feet | 1.5 Feet | 30-45lbs | Less than one 50lbs Bag | 6-8 Holes |
| Lo Pro | 2 Feet | 1.5 feet | 80-130lbs | Less than two 50lbs bags | 6-10 Holes |

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Step II: Deploy Reefballs (Timeframe June 2010)

This is the 3rd and final step of my Eagle Project. In Step 3, I will be transporting the reefballs to Oleta with our gear. I anticipate the reefballs will be placed at Coordinates: N 25 degrees 54 minutes 22.8 seconds by W 080 Degrees 07 Minutes 5.4 Seconds. The gear required is as following:

- Scuba tanks
- BC's
- Regulator Setups
- Mask/Snorkel Kits
- Weights/Weight Belts
- Fins
- Scuba Watches
- Dive Light (Only for Cave diver)
- Tablets (used to write detailed messages underwater)
- Dive Flag
- Lift Bag (used to reef balls lower the reefballs slowly)
- Underwater cameras
- Dingy (tired divers can climb aboard and rest, has first aid kit, and occupants can take pictures of any surface work)
- First Aid Kit

- Gloves (to protect hands from rough concrete surface of the reefballs)

The scuba gear BC's, tanks, fins, mask/snorkel kits, dive flag, camera, lift bag and dingy are in the possession of Ship 814 and dive instructors. Air for the tanks will have to be purchased. I will be seeking donations to lower the cost.

Project Helpers:

Overview of the Dive Team Skill Set

| Type of Diver: | Number of Divers: | Diver Purpose: |
|--|--------------------------|---|
| Master Instructor Diver/ Cave Diver | 1 | Offers assistance and expertise as needed (cave diver expertise if visibility is significantly reduced) |
| Master Diver | 1 | Has Extra Diving Experience |
| Rescue Diver | 3 | In case of emergency can provide assistance. One will be a CPR Certified Diver |
| Advanced Diver | 2 | Has Extra Diving Experience |

Dive Team

| | Buddy Team 1 | Buddy Team 2 |
|--------------------|------------------------------------|----------------------------------|
| Reefball Drop Crew | 1 Rescue Diver 1 Advanced Diver | 1 Rescue Diver 1 Master Diver |
| Boat Crew | 1 Rescue Diver 1 Advanced Diver | |

(Note: Master Dive Instructor does not need a buddy)

Once we arrive at the dive site, we will set up our gear (that includes assembling the gear and testing to make sure the gear is working properly). I will give a brief recap of the dive plan (several days before the dive I would have given a detailed dive plan. During the briefing, I will assign 2 teams of 2 divers per reefball to float

a reef ball out to the dive site and carefully lower them down to the reef site. A surface team will be assigned to take pictures of our work and to maintain the dingy, they will also be ABC Certified to be able to operate the Dingy in Florida waters). The dingy will be anchored next to the drop site and will have a first aid kit and act as a place for any tired divers to rest as well as to hold equipment. We will then begin our work dive.

I expect the reef ball deployment will require 2 dives, and that each dive to be 35 minutes long. Each team of 3 will float the reef balls out to the dive site, where we will slowly lower them down and into formation by letting the air out of the lift bag slowly. There will be a 45 minute surface time to eat lunch and rest between the two dives.

After our second dive, we will break down and wash off the gear and transport ourselves and our gear back to our homes.

Detail of Project Helpers

| Description | Number of Helpers | Time (hours) | Total |
|--|-------------------|--------------|-------|
| PRE-PROJECT | | | |
| Planning and Research | 1 | 180 | |
| Dive Certification | 3 | 26 | |
| Recon Dive | 4 | 3.4 | |
| Fundraising | 3 to 7 | | |
| Purchase Materials | 3 | | |
| Preliminary dive | | | |
| Transport Crew and gear to Oleta | 4 | 1 | |
| Set Up Gear | 4 | 0.2 | |
| Enter water and recon the site | 4 | 0.5 | |
| Take Pictures of site | 1 | 0.2 | |
| Exit Water | 4 | 0.1 | |
| Break Down Gear | 4 | 0.2 | |
| Wash gear off | 4 | 0.2 | |
| Transport gear back home | 4 | 1 | |
| | | | 3.4 |
| STEP 1 | | | |
| Explain Build Process | 1 to 2 | | |
| Build reef balls | 6 | | |
| Put Materials away | 6 | | |
| Take apart reef balls | 6 | | |
| Clean Materials | 6 | | |
| Build Reef balls | 6 | | |
| Put Materials away | 6 | | |
| STEP 2 | | | |
| Transport Gear/Reef balls to Oleta | 7 | | |
| Set up Gear | 7 | | |
| Set up Flotation devices for Reef balls | 7 | | |
| Enter water and float reef balls to Drop Site for Drop site Dive 1 | 7 | | |
| Lower reef balls into formation | 7 | | |
| Take Pictures | 1 | | |
| Break for Lunch | 7 | | |
| Set Up flotation devices for reef balls | 7 | | |
| Enter water and float reef balls to Drop Site for Drop site dive 2 | 7 | | |
| Lower reef balls into formation | 7 | | |
| Take Pictures | 1 | | |
| Exit Water | 4 | | |
| Break down gear | 4 | | |
| Clean Gear/ Materials | 4 | | |
| Transport gear and materials back home | 4 | | |

Safety Precautions:

There are several safety precautions that need to be taken into effect for my project:

Diving Safety Precautions

- Scuba Divers must follow the BWARF safety check:

B stands for BCD/buoyancy: check that everything is connected (buckles, air inflator hose, etc.). Make sure the dump valves are working, the BC holds air (no leaks/tears) and the tank is securely fastened.

W stands for weights: make sure the weight belts are on or are secure in their pockets if you have an air integrated BC. Also check that weight belts are set for right hand releases.

A stands for Air: double check your air (and your buddies) is on. Check how much pressure is in the tank. Check the air to both the primary regulator and octopus.

R stands for Releases: check the releases (BCD, tank strap, attached equipment, etc.) - where they are how they come undone and are they properly buckled before the dive. You need to be aware of how it works for your buddy in case of an emergency.

F stands for Final OK: Do a final head to toe check. Are the mask and fins on, does anything not look right on your buddy?

- Scuba Divers must have a buddy at all times.
- Do not at any time be under the reefballs as they floating or being lowered into position.
- Wear gloves at all times while diving to protect your hands.

Concrete Safety Precautions

- Begin each session by wearing clean clothing and conclude each session with a shower.
- Wear waterproof gloves and long sleeve shirt, full length trousers and proper eye protection (goggles or safety glasses) when handling the concrete.
- Provide clean water at the job site and wash concrete and cement mixture from your skin immediately. The best way to avoid skin irritation is to wash with a ph neutral soap and clean water.
- Should concrete get in your eyes, immediately flush your eyes for 15 minutes with clean water, then consult a physician.
- Seek immediate medical attention if contact with wet cement causes severe or persistent discomfort.

Fundraising:

The two methods I will be using for fundraising are:

-Direct Mailing to friends and family along with follow up calls

-I also plan to visit local businesses with my Eagle Proposal and ask for donations.

For example, I will be visiting: ProDiver, Lowes, Homedepot, ect.

Estimated Costs of the Project and Materials Required to Complete the Project

| Type of Material | Amount of Material | Method of Obtaining | Cost of Material |
|---------------------------|---------------------------|----------------------------|-------------------------|
| Lo Pro Reefball: | | | |
| Bladder A-2 | | 1 Borrow | |
| Panels (Molds) | | 3 Borrow | |
| Hold Down Bar | | 2 Borrow | |
| Short Pins | | 9 Borrow | |
| Wedges | | 9 Borrow | |
| Assorted Balls | | 6 Borrow | |
| Tether Balls | | 2 Borrow | |
| Washers | | 15 Borrow | |
| Base Plates (Pallets) | | 3 Borrow | |
| 50lbs Bag of Concrete Mix | | 2 Purchase/Donate | \$8.38 |
| Mixing Container | | 1 Borrow | |
| Concrete Mixers | | 2 Borrow | |
| 50lbs Bag of Sand | | 2 Purchase/Donate | \$4.88 |
| Sugar | 1 Container | Purchase/Donate | \$2.87 |
| Sprayer | | 1 Borrow | |
| Lift Bag | | 1 Borrow | |
| Oyster Reefball: | | | |
| Bladder A-0 | | 1 Borrow | |
| Panels (Molds) | | 2 Borrow | |
| Hold Down Bar | | 1 Borrow | |
| Short Pins | | 6 Borrow | |
| Wedges | | 6 Borrow | |
| Assorted Balls | | 1 Borrow | |
| Tether Balls | | 10 Borrow | |
| Base Plates (Pallets) | | 3 Borrow | |
| 50lbs Bag of Concrete Mix | | 3 Purchase/Donate | \$16.76 |
| Mixing Container | | 1 Borrow | |
| Concrete Mixers | | 2 Borrow | |
| 50lbs Bag of Sand | | 3 Purchase/Donate | \$4.88 |
| Sugar | | 1 Purchase/Donate | \$2.87 |
| Sprayer | | 1 Borrow | |
| Lift Bag | | 1 Borrow | |
| For The Dives | | | |
| Scuba Tanks | | 7 Borrow/Bring Your Own | |
| Fin Sets | | 7 Borrow/Bring Your Own | |
| Mask/Snorkel Kit | | 7 Borrow/Bring Your Own | |

| | | | | |
|-----------------------|-----------------------------|---|---------------------------------------|---------|
| Regulator Setups | | 7 | Borrow/Bring Your Own | |
| Weights | As much needed per person | | Borrow/Bring Your Own | |
| Weight Belts | | 7 | Borrow/Bring Your Own | |
| Underwater Cameras | | 1 | Borrow | |
| SCUBA Gloves | | 7 | Purchase/Donate/Borrow/Bring Your Own | \$11.95 |
| Tablets | | 7 | Purchase/Donate/Borrow/Bring Your Own | \$35.00 |
| Air for Tanks | 3,000 psi per tank, 7 Tanks | | Purchase/Donate | \$63.00 |
| BC | | 7 | Borrow/Bring your own | |
| Scuba Watches | | 7 | Borrow/Bring Your Own | |
| Dive Flag | | 1 | Borrow | |
| First aid kit | | 1 | Purchase/Donate/Borrow | \$11.99 |
| Dingy | | 1 | Borrow | |
| Tarp | | 1 | Purchase/Donate/Borrow | \$5.89 |
| Gas For Dingy | 5 Gallon Tank | | Purchase/Donate | \$14.40 |
| Gloves (For Concrete) | Box Contains 100 Gloves | | Purchase/Donate | \$11.97 |
| | | | Total: | 194.84 |

“Before” Photographs

My Site:



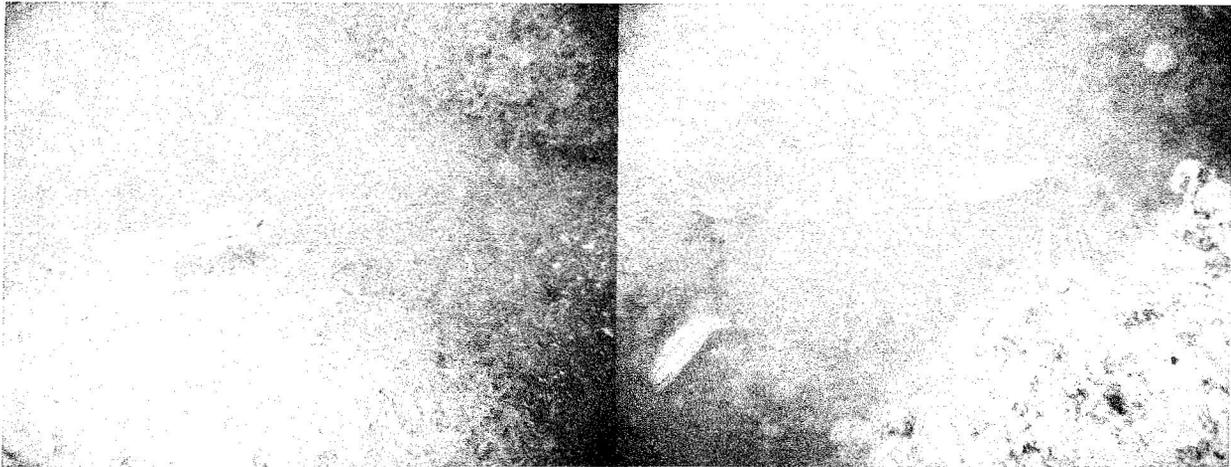
View of Site from plane

Previous Reefball deployment:

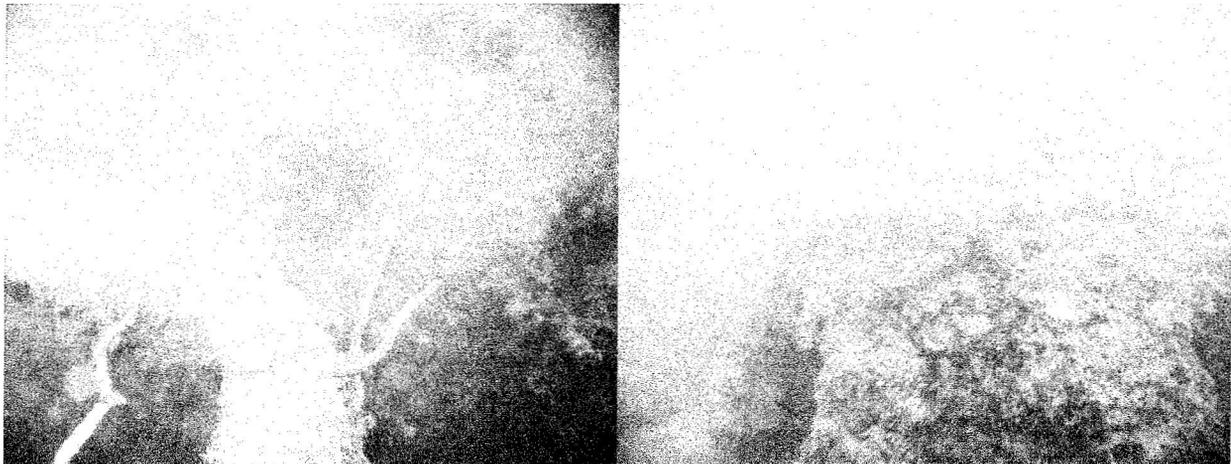


Deployment of Reefballs

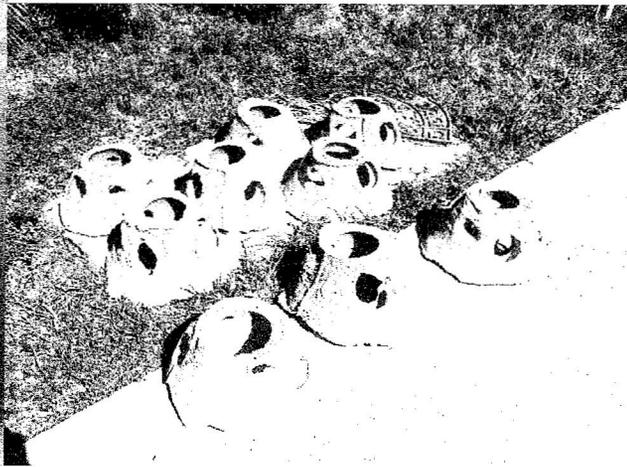
Preliminary Dive August 23, 2009:



As the pictures above show, the reefballs have successfully encouraged aquatic life.



During my preliminary dive, I observed coral growing on the reefballs that were previously deployed.



A reefball being lowered by a lift bag & several oyster reefballs



Second Preliminary dive with DERM to confirm location of reefballs (9/10/09)



PRESENT CONDITION OF LOCATION FOR MY REEF BALLS AS MARKED BY A SCUBA WEIGHT (coordinates : N 25 degrees 54 minutes 22.9 seconds by W 080 Degrees 08 Minutes 00.3 Seconds)

Planning Log

| Date | Activity | Time Spent (Hours) |
|---------------|--|-----------------------|
| 12/28/2008 | Learned How to create reefballs | 3 |
| 1/2/09-1/4/09 | Learned How to create reefballs | 72 |
| 6/14/2009 | Emailed Rebecca Schultz for Oleta Pix | 0.1 |
| 6/21/2009 | Pool Session For Scuba Certification | 8 |
| 6/21/2009 | Emailed Rebecca Schultz for Oleta Pix/Information On Reefballs | 0.2 |
| 7/3/2009 | Beach Dive 1 of 4 for Scuba Certification | 5 |
| 7/10/2009 | Beach Dive 2 &3 of 4 | 6 |
| | Taught how to create reefballs at girlscout camporee | 8 |
| 7/22/2009 | Helped Scout Create Reefballs for Eagle | 8 |
| 7/23/2009 | Helped Scout Create Reefballs for Eagle | 8 |
| 7/25/2009 | Beach Dive 4 of 4, Certified to Be a Open Water Diver | 7 |
| 8/1/09-8/3/09 | Created First Draft of Eagle Proposal | 30 |
| 8/4/2009 | Emailed Elena Schultz about Meeting to Discuss Project | 0.1 |
| 8/6/2009 | Emailed Rich Guertin and Elena Scultz first draft of Eagle Proposal | 0.1 |
| 8/6/2009 | Called Brad Capuozzo to set up meeting with Eagle Council | 0.3 |
| 8/7/2009 | Emailed Elena Schultz about Meeting to Discuss Project | 0.1 |
| 8/7/2009 | Emailed Brad Capuozzo to set up meeting with Eagle Council | 0.1 |
| 8/10/2009 | Rich Guertin & Elena Schultz send feedback on Eagle Proposal. Thank You Email Sent to Rich Guertin & Elena Schultz | 0.1 |

| | | |
|-----------|--|-----|
| 8/10/2009 | Emailed Brad Capuozzo to set up meeting with Eagle Council | 0.1 |
| 8/11/2009 | Changes to Project Made | 4 |
| 8/12/2009 | Conference Call with Rebecca Schultz to Discuss Proposal | 3 |
| 8/13/2009 | Changes to Project Made based on conference call results | 2 |
| 8/14/2009 | Email To Todd Barber to set up conference call on 8/19/09 | 0.1 |
| 8/18/2009 | Rich Guertin sends contact information for David Brown and Derek Cordle. Thank you email sent | 0.1 |
| 8/18/2009 | Email sent to Derek Cordle, David Brown & Brad Capuozzo to set up meeting with the Eagle Council | 0.2 |
| 8/18/2009 | Derek Cordle suggests talkin to Brad Capuozzo. Thank you email sent | 0.1 |
| 8/20/2009 | Email to Mike Kraus and Brad Capuozzo to Set up meeting with Eagle Council | 0.1 |
| 8/23/2009 | Meeting with Elena Schultz | 1 |
| 8/25/2009 | Eagle Proposal Sent to Rich Guertin for review | 0.1 |
| 8/25/2009 | Email Sent to Todd Barber requesting conference call | 0.1 |
| 8/25/2009 | Call to Todd Barber, conference call moved to 8/26/09 due to an unexpected meeting Mr. Barber needed to attend | 0.2 |
| 8/25/2009 | Call to Gary Milano, left voicemail | 0.1 |
| 8/25/2009 | Email to Mike Kraus and Brad Capuozzo to Set up meeting with Eagle Council | 0.1 |
| 8/25/2009 | Project sent to Ranger Steven Dale at Oleta | 0.1 |

| | | |
|-----------|---|-------|
| 8/26/2009 | Steven Dale responds and sends project to Chief Biologist for approval, thank you note is sent | 0.1 |
| 8/26/2009 | Call to Todd Barber, voicemail left | 0.2 |
| 8/26/2009 | Call to Gary Milano, left voicemail | 0.2 |
| 8/26/2009 | Call to Gary Milano | 0.1 |
| 8/28/2009 | Call to Gary Milano | 0.1 |
| 8/28/2009 | Call to Todd Barber | 0.1 |
| 8/29/2009 | Call to Gary Milano | 0.1 |
| 8/29/2009 | Call to Todd Barber | 0.1 |
| 8/31/2009 | Call from Gary Milano, Directs me to Sara Thanner | 0.2 |
| 8/31/2009 | Call to Sara Thanner | 0.3 |
| 8/31/2009 | Email to Elena Schultz, Rich Guertin & Rebecca Scultz | 0.1 |
| 9/2/2009 | Call to Sara Thanner to thank for getting approval letter from DERM on 9/1/09. Possible Dive date suggested | 0.1 |
| 9/2/2009 | Call With Dennis Metzger, talked about dive date with DERM | 0.2 |
| 9/2/2009 | Email with Sara Thanner, dive date confirmed | 0.1 |
| 9/2/2009 | Edits to Eagle Proposal | 7 |
| 9/3/2009 | Edits to Eagle Proposal | 4 |
| 9/10/2009 | Dive With DERM | 3 |
| | | 183.5 |

Changes

List any changes made to the original project plan and explain why those changes were made.

(This box may be adjusted to fit your description.)

“After” Photographs

Including photographs of your completed project (along with the “before” photographs) helps present a clearer overall understanding of your effort.

Approvals for Completed Project

Start date of project:

Completion date of project:

The project was started and has been completed since I received the Life Scout rank, and is respectfully submitted for consideration.

.....
Applicant's signature

.....
Date

This project was planned, developed, and carried out by the candidate.

.....
Signature of Scoutmaster/Coach/Advisor

.....
Date

.....
Signature of the representative of religious institution, school, or community

.....
Date

The 12 Steps From Life to Eagle

The following 12 steps have been outlined to ensure a smooth procedure for the Scout, the unit leadership, the local council, and the volunteers who are to conduct the board of review. Eagle candidates should share these steps with their unit leader so that they can fully understand the procedures that must be followed.

1. In order to advance to the rank of Eagle, a candidate must complete all requirements of tenure; Scout spirit; merit badges; positions of responsibility; while a Life Scout, plan, develop, and provide leadership to others in a service project; and the Scoutmaster conference.
2. Using the Eagle Scout Leadership Service Project Workbook, the candidate must select his Eagle service project and have the project concept approved by his unit leader, his unit committee, and the benefactor of the project, and reviewed and approved by the council or district advancement committee. This workbook must be used in meeting this requirement.
3. It is imperative that all requirements for the Eagle Scout rank except the board of review be completed prior to the candidate's 18th birthday. When all requirements except the board of review for the rank of Eagle, including the leadership service project, have been completed, the Eagle Scout Rank Application must be completed and sent to the council service center promptly. (Youth members with disabilities should meet with their unit leader regarding time extensions.)
4. The application should be signed by the unit leader at the proper place. The unit committee reviews and approves the record of the Eagle candidate before the application is submitted to the local council. If a unit leader or unit committee fails to sign or otherwise approve an application, the Eagle candidate may still be granted a board of review. The failure of a unit leader or unit committee to sign an application may be considered by the board of review in determining the qualification of the Eagle candidate.
5. When the completed application is received at the council service center, its contents will be verified and the references contacted. The council advancement committee or its designee contacts the person listed as a reference on the Eagle Scout Rank Application either by letter, form, or telephone checklist. The council determines the method or methods to be used. The candidate should have contacted those individuals listed as references before including their names on the application. The candidates should not be involved personally in transmitting any correspondence between persons listed as references and the council service center.
6. The Eagle Scout Leadership Service Project Workbook, properly filled out, must be submitted with the application.
7. After the contents of an application have been verified and appropriately signed, the application, Eagle Scout Leadership Service Project Workbook, and references will be returned from the council service center to the chairman of the Eagle board of review so that a board of review may be scheduled. Under no circumstances should a board of review be scheduled until the application is returned to the chairman of the Eagle board of review. Reference checks that are forwarded with the application are confidential, and their contents are not to be disclosed to any person who is not a member of the board of review.
8. The board of review for an Eagle candidate is composed of at least three but not more than six members. One member serves as chairman. Unit leaders, assistant unit leaders, relatives, or guardians may not serve as members of a Scout's board of review. The board of review members should convene at least 30 minutes before the candidate appears in order to review the application, reference checks, and leadership service project report. At least one district or council advancement representative must be a member of the Eagle board of review if the board of review is conducted on a unit level. A council or district may designate more than one person to serve as a member of Eagle boards of review when requested to do so by the unit. It is not required that these persons be members of the advancement committee; however, they must have an understanding of the importance of the Eagle board of review.
9. The candidate's unit leader introduces him to the members of the board of review. The unit leader may remain in the room, but does not participate in the board of review. The unit leader may be called on to clarify a point in question. In no case should a relative or guardian of the candidate attend the review, even as a unit leader. There is no set of questions that an Eagle candidate should be asked. However, the board should be assured of the candidate's participation in the program. This is the highest award that a Scout may achieve and, consequently, a thorough discussion of his successes and experiences in Scouting should be considered. After the review, the candidate and his unit leader leave the room while the board members discuss the acceptability of the candidate as an Eagle Scout. **The decision must be unanimous.** If the candidate meets the requirements, he is asked to return and is informed that he will receive the board's recommendation for the Eagle Scout rank. If the candidate does not meet the requirements, he is asked to return and told the reasons for his failure to qualify. A discussion should be held with him as to how he may meet the requirements within a given period. Should the applicant disagree with the decision, the appeal procedures should be explained to him. A follow-up letter must be sent to the Scout confirming the agreements reached on the action(s) necessary for the advancement. If the Scout chooses to appeal, the board should provide the name and address of the person he is to contact. (See "Appealing a Decision" in the *National BSA Policies and Procedures*, No. 33088D.)
10. Immediately after the board of review and after the application has been appropriately signed, the application, the service project report, references, and a properly completed Advancement Report are returned to the council service center.
11. When the application arrives at the council service center, the Scout executive signs it to certify that the proper procedure has been followed and that the board of review has recommended the candidate for the Eagle Scout rank. This workbook and references are retained by the council. The workbook may be returned to the Scout after council approval.
Only the Eagle Scout Rank Application is forwarded to the national Eagle Scout Service.
12. The Eagle Scout Service screens the application to ascertain information such as proper signature, positions of responsibility, tenure between ranks, and age of the candidate. Any item not meeting national standards will cause the application to be returned for more information. If the application is in order, the Scout is then certified as an Eagle Scout by the Eagle Scout Service on behalf of the National Council. Notice of approval is given by sending the Eagle Scout certificate to the local council. The date used on the certificate will be the date of the board of review. The Eagle Award must not be sold or given to any unit until after the certificate is received by the council service center. The Eagle Scout court of honor should not be scheduled until the local council receives the Eagle Scout rank credentials. After earning the Eagle Scout Award, a Scout may work to earn Eagle Palms. An Eagle Palm or Palms must be earned before the Scout's 18th birthday. Palms must be earned one at a time, in the order of Bronze, Gold, and then Silver. Each Palm level can only be earned after a three-month tenure since earning the last Palm and by satisfactory completion of all of the other requirements for the next Palm.