Executive Summary
Summer Education Programs at the Prince William Sound Science Center offer participants of all ages exciting opportunities to learn in the field, and increase their understanding of local coastal and marine ecosystems. Our programs incorporate a variety of environmental issues, such as oil pollution, marine debris, resource management and climate change, to raise participants’ awareness of their impact on our environment, and to give them knowledge and tools to become good environmental stewards.

A Science Day Camp was held in partnership with the USFS Cordova Ranger District. The camp had an enrollment of 17 campers. Activities included hiking, canoeing and a sleepover at our field camp on the Copper River Delta.

An overnight Science Camp was held in partnership with Alaska River Expeditions (ARE) and was based out of the ARE campground at Mile 13. The camp had 7 campers from Cordova and Anchorage. Activities included kayaking, glacier trekking and river rafting.

A 10-day “Ocean Science and Leadership Expedition” for high school students was held in August. The course was available for college credit through PWS Community College and included day kayaking trips in Orca Inlet, a three-day kayak expedition in Prince William Sound, and a marine debris cleanup. Lessons and activities focused heavily on oil spill impacts and response. The course had a nearly full enrollment of 9 (out of 10 spaces).

Evaluations completed by Science Camp and Ocean Science and Leadership Expeditions provided valuable information about participants’ experience in the programs. Science Campers rated their experience a 9.5 out of 10; Expedition participants rated their experience as an 8.7 out of 10.
**SCIENCE CAMPS**

**Objectives for 2010:**

- Plan and implement one Science Day Camp program for 8-11 year olds in partnership with the U.S. Forest Service/Cordova Ranger District.
- Plan and implement one overnight Science Camp program for 12-14 year olds.

Grant funds from the Oil Spill Recovery Institute were used to support the development and delivery Science Camp programming related to coastal and marine ecosystems in the Arctic and sub-Arctic as well as oil pollution and transportation issues. These programs complemented camp programs funded by other Forest to the Sea sponsors including the National Fish & Wildlife Foundation, Prince William Sound Regional Citizens’ Advisory Council, BP and ConocoPhillips.

**Day Camp**

Held in partnership with the U.S. Forest Service Cordova Ranger District, Science Day Camp exposed 17 students ages 8 to 11 to a week of learning about local ecosystems. Campers hiked through the rainforest, went canoeing, and took a trip to Childs Glacier to learn about geological forces. On Ocean Day, campers learned about plankton and the very important role plankton play in the marine food web. They made models of plankton in a variety of shapes. On Wetlands Day, campers learned about the salmon life cycle and what conditions are required for healthy salmon habitat. During a canoe paddle and scavenger hunt on Eyak Lake, campers identified components of healthy fish habitat (such as clear water, presence of gravel and macro-invertebrates), as well as several threats. Threats identified by campers included perched culverts, bank erosion, polluted stormwater input and oil pollution from road runoff and boats in the lake. They discussed how oil pollution affects habitat and organisms in both freshwater and marine ecosystems. The group rounded out their last day of camp by reviewing everything they learned in a game of Ecosystem Jeopardy.

**Science Camp**

Seven campers participated in a weeklong overnight Science Camp for 12-14 year-olds. The campers engaged in lessons and active adventures to learn about marine ecosystems, salmon, herring, and climate change.

Staff from the Copper River Watershed Project (CRWP) joined us for two days to teach campers about salmon habitat on Eyak Lake and what activities CRWP is doing to mitigate threats to healthy fish habitat. Students learned that intact riparian zones along the lake shore stabilize sediment and reduce erosion, as well as act as a biofilter, reducing the amount of oil and other pollutants entering the lake from road and storm runoff. The campers discussed how oil pollution affects habitat and organisms in both freshwater and marine ecosystems, and actions people can take to prevent such pollution from entering the environment. CRWP staff taught the campers about how native plants such as willows can be planted to restore impacted shorelines, and led the group in a revegetation project along a section of the lake shoreline.
On Ocean Day, campers explored tidepool habitats and kayaked to Observation Island. Students also learned about the herring research taking place at the Science Center, and brainstormed reasons they thought could be contributing to slow herring recovery after the 1989 Exxon Valdez Oil Spill. They spent the afternoon with Jennifer Todd at the Science Center, who showed them how to use a cast net to catch juvenile herring in the Cordova harbor. She also demonstrated how she processes herring samples for stable isotope analysis in the Science Center lab. In the lab, campers had a chance to dissect herring and look at the otoliths under a microscope.

Another activity focused on climate change and albedo. Students conducted an experiment and found that while sea ice and land ice both help reflect heat, melting land ice causes sea levels to rise, while melting sea ice does not.

One of the highlights of Science Camp was part of our visit to Childs Glacier. Tribal Biologist Tom Haluska of the Native Village of Eyak (NVE) met the group at the glacier and took campers up the Copper River to see NVE’s Baird Canyon Camp and research fishwheels. At the fishwheels, they saw salmon being scooped out of the silty Copper River and learned how the fishwheels are turned by the river current. Baird Canyon fisheries technicians explained the mark-recapture method used to estimate Copper River salmon recruitment, and demonstrated the process of sampling and tagging King salmon. A few of the campers even got the chance to tag their own salmon!

OCEAN SCIENCE & LEADERSHIP EXPEDITION

Objectives for 2010:

- Plan and implement a 10-day field course for high school students to learn about the ecological, social and economic impacts of environmental issues and resource management in Prince William Sound.
- Combine engaging outdoor activities with hands-on, field based scientific study of the ocean environment and concepts in physical and biological oceanography.
- Educate participants about marine and estuarine resources and their susceptibility to environmental damage from pollution such as marine debris and oil spills, and about oil spill response systems now in place in the Prince William Sound region.

Ocean Science and Leadership Expedition (OSLE)

Nine high school students completed the OSLE, which focused on principles of oceanography and marine environmental issues, especially on oil spills, and developed leadership skills in a wilderness learning environment. Participants came from seven states, with several coming from the Gulf Coast on scholarships awarded through a partnership between PWSSC and Mississippi-Alabama Sea Grant Consortium.

In Cordova, researchers and educators from PWSSC taught the students about concepts in physical and biological oceanography and the science of oil spills through classes and laboratory activities. Students learned the science of how spilled oil behaves in the environment, and the
pros and cons of various cleanup methods. In a hands-on experiment, the students blended motor oil to create an emulsion and compare the consistency of emulsified and regular oil, then used various materials to try to clean up a controlled “oil spill.”

In Valdez, students visited the Prince William Sound Regional Citizens’ Advisory Council to learn about the Exxon Valdez Oil Spill and the activities of the RCAC. The group also toured the Coast Guard Vessel Traffic Center to learn about how oil tankers are monitored as they travel through PWS.

The course included a kayaking trip near Columbia Glacier and along the coast of Valdez Arm. Students conducted a marine debris cleanup on 17 Mile Beach, collecting 202 pieces of trash and producing outreach materials, including an article and a graph representing the types of debris collected, to educate the public about marine debris. The students’ work was compiled and presented as a full-page ad in the Cordova Times (see attached).

The students’ final project was a half-day oil spill scenario, in which they used everything learned during the course to decide how to respond to a mock oil spill in Prince William Sound. Playing roles in the Incident Command System as well as outside stakeholders, the students first used their oceanographic knowledge to forecast the trajectory and impact of the spill, then decided how best to respond. In the midst of making cleanup decisions and assessing shorelines and ecological impacts, the students also had to negotiate contracts with fishermen and issue press releases.

Many of the students were attracted to OSLE by their interest in pursuing careers in marine science, and the course provided opportunities for firsthand interaction with the marine environment. Students were able to earn college credit for the course from Prince William Sound Community College, and gained experiences and knowledge to bring back to their schools and communities. “This trip was like nothing I’ve ever done before and it changed my life,” said Cierra Martin at the end of the course. “I’m so glad that I had this experience, and it’s going to take me so far in life.”

**PROGRAM RECRUITMENT**

Several methods were used to outreach the Summer Education Programs in an effort to recruit participants of all ages.

- **Science Center Website**: the Summer Education Program web pages provide a complete resource for program information and necessary forms.
- **Summer Camp internet sites**: From the Forest to the Sea posts profiles on several summer camp websites offering free listings.
- **Program Brochures**: each year a color brochure is produced and mailed to every family on the camp mailing list as well as junior/senior high schools across the state (approx. 350 mailings). Brochures are also distributed to various locales including the airport, ferry terminal, Chamber of Commerce, program partner offices and locations in Kodiak, Anchorage, Valdez.
List serves and email lists: list serves such as EE News, an online newsletter of the North American Association for Environmental Education, are employed to advertise our programs nationally. In addition to the Science Center Community Education email list, we have established a contact in the Anchorage School District who emails our program information out to all district teachers. Staff also utilize out of state contacts who distribute fliers/brochures in various locations across the United States.

Newspaper and Newsletter articles/advertisements: several articles and advertisements are published in the Cordova Times, the Anchorage Daily News and Coast Magazine, as well as the newsletters of the Science Center and Copper River Watershed Project.

Other local media outlets: including program specific fliers posted on bulletin boards and ads on the GCI cable scanner.

EVALUATION
Science Center Educators employ a variety of evaluation tools to measure the success of all components of our educational programming, including content, delivery and safe facilitation of outdoor activities. Evaluation tools used in summer programs this year included post-camp surveys, concept maps, knowledge games, casual observation, portfolios and evaluation rubrics.

The results are used to determine whether the types of programs we offer are using our physical, human and financial resources efficiently, and whether the programs are meeting the needs and interests of our audience.

After Science Camp, 6 evaluations were completed by participants who gave the camp a average ranking of 9.5 out of 10. Visiting the fishwheel, kayaking, glacier trekking and the herring dissection were named as the students’ favorite activities. A summary of the camper evaluations is attached to this report.

Following the Ocean Science and Leadership Expedition, 8 evaluations were completed by participants who gave the program a ranking of 8.7 out of ten, many noting that the rainy and cold weather during the kayak expedition was the reason for their lower ranking. The student evaluations are attached to this report.

COMMUNITY PARTNERSHIPS
From the Forest to the Sea is a collaborative community-based program. In the 2010 season, we were supported by a number of organizations and agencies through local and regional partnerships, including the U.S. Forest Service/Cordova Ranger District, Alaska Geographic, Copper River Watershed Project, Prince William Soundkeeper, Wrangell Institute of Science and the Environment, National Park Service, Wrangell-St. Elias National Park, Native Village of Eyak and Cordova Arts and Pageants. Our partners made contributions in many forms including in-kind donations of staff time, event organizing, logistical and field trip support and cooperative fundraising.
What are some of your best camp memories?
Seeing seals
Tagging fish
Playing in the mud
Sinking the in mud
Casting a herring net
Eating
Everything! Love Science Camp! There are loads of AWESOME memories!
Going to the fish wheel
Spidance Off
Mud and pudding
G-G-G-G-G-Glacier face

What were your three favorite activities this week?
Visiting the fishwheel (3)
Kayaking (3)
Glacier trekking (3)
S’mores
Herring dissection
Rafting
I can’t choose-all fantastic!

Please comment on the presentations given by staff and guest scientists. Which ones did you enjoy the most? Do you have suggestions to make them more successful in the future?
“All presentations were perfect. Loved it.”
“I loved all of it.”
“Have more games, like making plankton!”
“They were all pretty cool.”
“Alice! Butters! Pete!

What is the coolest thing that you learned this week?
You can eat iceworms!
How to dissect!
Stuff about Cordova
All about the fish wheel
How a glacier is made
How to make a willow revegetation thing
On a scale of 1-10 (10 being the best) how would you rate your experience? Do you have any feedback for the staff? Is there anything we can do to improve the learning or camp experience for participants?
"9. We need more sunny days."
"10. That's all."
"8.5"
"10, always something NEW!"
"10. It was all cool and fun!"
"10!"

Do you have any suggestions or ideas for future camps or field courses?
Visit the fishwheel again (2)
No (2)
Nothing
Nope, can't think of any

Any other comments or suggestions are welcome! Please use the space below.
No. Thanks.
Thank you a lot!!
WEEEEEEE!
😊
That was Epic and awesome!
WONDERFUL!
Congratulations! You've completed a 10-day adventure! We're pleased you participated in the 2010 program. Please take the time to complete this evaluation form. Your feedback is important to us—it will help us understand what things were successful and what things can be improved for future courses. Please be as detailed and specific as possible. Use the other side of the paper if necessary.

On a scale of 1-10 (10 being the best) how would you rate your experience in OSLE?

8

Please describe your overall impression of OSLE. How will you describe it to your family and friends? What were your favorite and least favorite parts of this experience?

My overall experience of OSLE is an awesome one! I had so much fun learning about oil spills, the ocean environment, and even a little about myself. I felt that I have broadened my academic and physical horizons during this expedition—that is how I will describe it to my friends and family! My least pleasant experience during OSLE was the camping at Elf Point, but that situation could not have been helped... I have too many “favorite parts” to mention here, however I enjoyed the impromptu Glacier climb, the academic side, the camp-

Please comment on the presentations given by OSLE staff and guest scientists. Which ones did you enjoy the most? Do you have suggestions to make them more successful in the future?

I liked the presentations and classes done by both Rob and Alice. I also enjoyed the guest speakers; my favorite was probably Dr. Scott from Scenario Day. The open environment for questions really made the difference. More Q&A and A type presentation might be beneficial.

Please comment on the assignments and Marine Debris outreach activities. Were these activities beneficial to you? Why or why not?

My marine debris outreach activity was a pie graph with each segment filled in with the material. I found that to be a creative and visually interesting. These outreach activities were beneficial to me in the sense that thinking outside the box is always beneficial.
Please tell us what you thought of the oil spill ICS scenario. Was it a beneficial experience?

I thought that if all the parties involved would have gotten into their roles the scenario would have been more realistic. It was beneficial to me because I have done some of these scenarios before.

What is the coolest thing that you learned during OSLE?

The chemical structure for dispersants is generally unknown to people outside of oil companies.

Please tell us about any parts of the course content that you think should be improved or changed.

- Possibly move free-time
- PLEASE UPDATE WEBSITE!

Please tell us about anything you think the staff should do to improve the learning experience for participants.

- The staff cannot do a single thing to improve the learning experience for participants.

Any other comments or suggestions are welcome! Please write on the back of this sheet.
Congratulations! You’ve completed a 10-day adventure! We’re pleased you participated in the 2010 program. Please take the time to complete this evaluation form. Your feedback is important to us—it will help us understand what things were successful and what things can be improved for future courses. Please be as detailed and specific as possible. Use the other side of the paper if necessary.

On a scale of 1-10 (10 being the best) how would you rate your experience in OSLE?

8

Please describe your overall impression of OSLE. How will you describe it to your family and friends?

What were your favorite and least favorite parts of this experience?

Favorite part was the Glacier

least Favorite was the Coast Guard presentation it was really boring.

Please comment on the presentations given by OSLE staff and guest scientists. Which ones did you enjoy the most? Do you have suggestions to make them more successful in the future?

I thought they were great. I enjoyed talking with Scott and I think he taught us a lot.

Please comment on the assignments and Marine Debris outreach activities. Were these activities beneficial to you? Why or why not.

I do not think the first two assignments of reading and writing summaries were beneficial because we had little time to work on them.
Please tell us what you thought of the oil spill ICS scenario. Was it a beneficial experience?

Yes, I thought it was beneficial because it gave us first hand experience of how confusing and frustrating an actual oil spill is.

What is the coolest thing that you learned during OSLE?

How delicious fresh salmon is!
Also we learned a lot about glaciers.

Please tell us about any parts of the course content that you think should be improved or changed.

I think maybe some more free time would be beneficial for doing assignments, but also I wish I had more time to walk around camp and go hiking or spend time with the other kids.

Please tell us about anything you think the staff should do to improve the learning experience for participants.

No need for improvement.

Any other comments or suggestions are welcome! Please write on the back of this sheet.
Congratulations! You've completed a 10-day adventure! We're pleased you participated in the 2010 program. Please take the time to complete this evaluation form. Your feedback is important to us—it will help us understand what things were successful and what things can be improved for future courses. Please be as detailed and specific as possible. Use the other side of the paper if necessary.

On a scale of 1-10 (10 being the best) how would you rate your experience in OSLE?

8

Please describe your overall impression of OSLE. How will you describe it to your family and friends? What were your favorite and least favorite parts of this experience?

OSLE was extremely fun and a great learning experience. The academics were challenging but not hard to follow or understand. The camping and kayaking, despite a few hiccups, went perfectly well and I always fell asleep satisfied with the day's activities.

The worst part of OSLE was camping at Elf Point, in the rain and mud, and having to sleep in damp, stinking clothes.

My most favorite part of the experience was cooking my own food. It tasted great, and the new dishes were exciting for me.

Please comment on the presentations given by OSLE staff and guest scientists. Which ones did you enjoy the most? Do you have suggestions to make them more successful in the future?

I liked the plankton primer given by Rob the best, because I learned so much at a time. Personally, I learn best from slideshows and long speeches so I would like more of those.

Please comment on the assignments and Marine Debris outreach activities. Were these activities beneficial to you? Why or why not.

The assignments and Marine Debris activities were beneficial because even though they took up a lot of time, I learned a lot about everything we did, including marine debris. I had no idea that it was so widespread a problem to be worried about by children on a beach in Alaska.
Please tell us what you thought of the oil spill ICS scenario. Was it a beneficial experience?
It was, in both an academic and a teambuilding sense. I learned a lot about working in a group, and a bit about how oil spills develop and how the ICS works and responds to them.

What is the coolest thing that you learned during OSLE?

The United States cannot be rewritten as "New York and Outlying States."

Please tell us about any parts of the course content that you think should be improved or changed.

Put more oceanography and science in the course.

Please tell us about anything you think the staff should do to improve the learning experience for participants.

n/a

Any other comments or suggestions are welcome! Please write on the back of this sheet.
Congratulations! You've completed a 10-day adventure! We're pleased you participated in the 2010 program. Please take the time to complete this evaluation form. Your feedback is important to us—it will help us understand what things were successful and what things can be improved for future courses. Please be as detailed and specific as possible. Use the other side of the paper if necessary.

On a scale of 1-10 (10 being the best) how would you rate your experience in OSLE?

9½ due to the rain

Please describe your overall impression of OSLE. How will you describe it to your family and friends? What were your favorite and least favorite parts of this experience?

I thought it was an experience of a life time! I will recommend it to my friends and family. My favorite was camping on 17 Mile beach and the Glacier hike. My least favorite thing was just the fact that 70% of the time I was cold &/or wet.

Please comment on the presentations given by OSLE staff and guest scientists. Which ones did you enjoy the most? Do you have suggestions to make them more successful in the future?

I loved learning about the oil spill! I enjoyed the RCAC and Scott P. lecture.

Please comment on the assignments and Marine Debris outreach activities. Were these activities beneficial to you? Why or why not.

I loved the outreach project. It gives us a way to show the importance of keeping the ocean and beaches clean. They were beneficial to me because I love cleaning up the environment.
Please tell us what you thought of the oil spill ICS scenario. Was it a beneficial experience?

I didn't really enjoy the oil spill ICS scenario that much at the time because I wanted to be outside on that beautiful day but looking back it showed me how important oil spills are to everyone and everything. I now understand how badly it effects everyone.

What is the coolest thing that you learned during OSLE?

One of the coolest things I learned was that some oils effect the environment more that others and how dispersants work. Also, that only 20% of oil spills are recoverable.

Please tell us about any parts of the course content that you think should be improved or changed.

MORE SHOWERS!

Please tell us about anything you think the staff should do to improve the learning experience for participants.

Nothing.

Any other comments or suggestions are welcome! Please write on the back of this sheet.
Congratulations! You've completed a 10-day adventure! We're pleased you participated in the 2010 program. Please take the time to complete this evaluation form. Your feedback is important to us—it will help us understand what things were successful and what things can be improved for future courses. Please be as detailed and specific as possible. Use the other side of the paper if necessary.

On a scale of 1-10 (10 being the best) how would you rate your experience in OSLE?

10

Please describe your overall impression of OSLE. How will you describe it to your family and friends?

OSLE was an amazing experience. I learned so much about the ocean, the environment, leadership skills, and myself. My favorite part of the trip was the time we spent on 12 mile beach: rock-o-magic (was amazing). However, 12 mile point was a hellish place to which I hope to never return.

Please comment on the presentations given by OSLE staff and guest scientists. Which ones did you enjoy the most? Do you have suggestions to make them more successful in the future?

All of the classes were interesting, especially the ones over leadership skills. However, the KEAL & coastal guard, while informative, were extremely boring.

Please comment on the assignments and Marine Debris outreach activities. Were these activities beneficial to you? Why or why not.

The first reading assignment was taxing, other than that I think that I benefitted from the assignments, because they really made me think of myself and the course more closely than if I just wrote about it. I think the debris activities were really good, when I went down the path to help pick up the stuff, I got to see more activities.
Please tell us what you thought of the oil spill ICS scenario. Was it a beneficial experience?

It was a really hard activity. I really didn't think much of it but all of us were really happy with the result. I think we should think about it more. Did I get much out of it? I don't really think so. I think it was really good, but not enough.

What is the coolest thing that you learned during OSLE?

Plastic never biodegrades. I didn't know it could be cool but it's interesting.

Please tell us about any parts of the course content that you think should be improved or changed.

I think it could have been simpliified a bit. It felt like the class schedule kept us from learning. You need a variety of new things if you do.

Please tell us about anything you think the staff should do to improve the learning experience for participants.

Rob. I don't think we did our students' best establish a relationship with you and for you to feel safe. So we need to think this out.

Extra. You should always be the best. I think something of your mind. Go back over this. It's better for you. I'm back some feeling.

Hic. Have a course of your mind. Don't be sorry, over it.

Any other comments or suggestions are welcome! Please write on the back of this sheet.
Congratulations! You’ve completed a 10-day adventure! We’re pleased you participated in the 2010 program. Please take the time to complete this evaluation form. Your feedback is important to us—it will help us understand what things were successful and what things can be improved for future courses. Please be as detailed and specific as possible. Use the other side of the paper if necessary.

On a scale of 1-10 (10 being the best) how would you rate your experience in OSLE?

8

Please describe your overall impression of OSLE. How will you describe it to your family and friends? What were your favorite and least favorite parts of this experience?

My overall impression of this expedition is extremely positive. I can’t wait to go home to my family and friends and share my experiences with them. How many people get to say they’ve climbed a glacier or caught a salmon with their bare hands?! My favorite part of the trip was because I have so many unforgettable experiences here. Some of the highlights of the trip for me were camping on 17 mile beach, glacier hiking, and the oil spill simulation. My least favorite part of the trip was the weather. I will admit I was sleeping in a wet, cold sleeping bag or attempting to kayak with frozen fingers. However, I enjoyed every other part of the trip and am so thankful I was chosen to participate in this experience.

Please comment on the presentations given by OSLE staff and guest scientists. Which ones did you enjoy the most? Do you have suggestions to make them more successful in the future?

I really enjoyed Alice and Ron’s teaching style. I especially enjoyed talking with Scott Regan from the OSRI because he didn’t teach at us but engaged us in a stimulating conversation about oil spills. The Coast Guard’s RCHC presentation was a little dry and dry, but I still learned a lot. Sometimes, I appreciated his use of visual aids.

Please comment on the assignments and Marine Debris outreach activities. Were these activities beneficial to you? Why or why not.

Yes, I really enjoyed all the assignments. Because they really aided in the marine education portion of the trip, which was something I really wanted to get out of the expedition. I especially loved being able to speak about marine debris to the public even though it was a small group because it was great to get practice public speaking about something I care about.
Please tell us what you thought of the oil spill ICS scenario. Was it a beneficial experience?

I really enjoyed this scenario. It really gave me a better perspective of how a community must work together to respond to a natural disaster, and allowed me to see how difficult it can be to reach an agreement. I definitely think the situation was confusing and frustrating with the clashing ideas & opinions of the opposing groups. I would suggest the updates not have these decisions be made by the students themselves.

What is the coolest thing that you learned during OSLE?

The coolest thing I learned during OSLE was probably everything involving oil spills. I really wanted to learn as much as I could about oil spills and how to properly respond; and I believe that I came out of this experience with a greater knowledge about oil spills than I ever could have imagined! 😊

Please tell us about any parts of the course content that you think should be improved or changed.

I definitely think that students should have the opportunity to take more showers or at least be aware of the rugged situation they will be placed in when they are camping. For example, I had no idea that we would be camping the entire ten days of the trip; rather I thought we would only be in rugged conditions only during the expedition. It would have been beneficial to know this information beforehand as opposed to entering the camp blindly.

Please tell us about anything you think the staff should do to improve the learning experience for participants.

NOPE! You guys did a great job! Thank you so much for this great experience! 😊

Any other comments or suggestions are welcome! Please write on the back of this sheet.
Congratulations! You've completed a 10-day adventure! We're pleased you participated in the 2010 program. Please take the time to complete this evaluation form. Your feedback is important to us—it will help us understand what things were successful and what things can be improved for future courses. Please be as detailed and specific as possible. Use the other side of the paper if necessary.

On a scale of 1-10 (10 being the best) how would you rate your experience in OSLE?

7

Please describe your overall impression of OSLE. How will you describe it to your family and friends? What were your favorite and least favorite parts of this experience?

1. It was fun, but a bit boring during lectures.
2. The icebergs were awesome, so was echosounding software.
3. But I didn't like the mist (not that you could control it).

Please comment on the presentations given by OSLE staff and guest scientists. Which ones did you enjoy the most? Do you have suggestions to make them more successful in the future?

The plankton presentation because it had pictures.

Please comment on the assignments and Marine Debris outreach activities. Were these activities beneficial to you? Why or why not.

Assignments: no, definitely not. I just don't do homework in the summer. The outreach did help though and showed me just how much junk is on shore.
Please tell us what you thought of the oil spill ICS scenario. Was it a beneficial experience?

It was fun and very educational but would make more sense if the decisions made actually influenced the updates.

What is the coolest thing that you learned during OSLE?

about how the whole seed is a gene.

Please tell us about any parts of the course content that you think should be improved or changed.

more outside learning. more from the media.

Please tell us about anything you think the staff should do to improve the learning experience for participants.

Any other comments or suggestions are welcome! Please write on the back of this sheet.
Congratulations! You've completed a 10-day adventure! We're pleased you participated in the 2010 program. Please take the time to complete this evaluation form. Your feedback is important to us—it will help us understand what things were successful and what things can be improved for future courses. Please be as detailed and specific as possible. Use the other side of the paper if necessary.

On a scale of 1-10 (10 being the best) how would you rate your experience in OSLE?

Please describe your overall impression of OSLE. How will you describe it to your family and friends? What were your favorite and least favorite parts of this experience?

Well describing this OSLE expedition, the adjective I always use is insane. I loved the trip and I wanted so much. I'm going to tell everyone that this trip was life changing. My favorite part of the trip was sea kayaking, the 1st kayaking trip and all of the ocean ecosystem. My least favorite part of the trip was planting the mangroves. I hated that very much but I loved Kayaking by the tee.

Please comment on the presentations given by OSLE staff and guest scientists. Which ones did you enjoy the most? Do you have suggestions to make them more successful in the future?

I really enjoyed the speech by [insert name]. I felt like I came off as well prepared and on fire and confident that I could actually do something. I really liked all of the speeches and in lectures, but had difficulty with some of ROV's classes.

Please comment on the assignments and Marine Debris outreach activities. Were these activities beneficial to you? Why or why not.

Yes. I think all assignments were beneficial. I loved my marine debris work. It was a great challenge and I feel like I can actually use that back in [insert location]. I kept having 2 daily meetings so it was a lot to manage. It was tedious, but I should have only done...
Please tell us what you thought of the oil spill ICS scenario. Was it a beneficial experience?

I really enjoyed the ICS Scenario. It was a little long, but it really opened my eyes to how serious a situation (if we ever are) it also got to see the more
front line side of it all. In real life, it’s not realistic for everything to turn
out right. Before the exercise I painted a lot of fingers around the ‘weg chairs’. I still don’t agree with anything they do, but I have respect for the
direction of the people they hold.

What is the coolest thing that you learned during OSLE?

Everything about the ICS! I loved that it’s not really a big deal anyway
some of the stuff aren’t as important as they can be,

Really though, I learned so much more concerning dignitary and that’s
what I had.

Please tell us about any parts of the course content that you think should be improved or changed.

Virtually not (sic). I had a great experience, and I feel we were much better
at it. (2003) was a much harder and more

Please tell us about anything you think the staff should do to improve the learning experience for participants.

There is nothing I can really think of. I had about four classes at the
Nowhere Area, but I hadn’t been exposed to those before. I could tell they were basic, but a solid base on some fundamentals.

Any other comments or suggestions are welcome! Please write on the back of this sheet.
I just wanted to say thank you for filling this expedition. This trip was the first major trip that I have ever done before, and it changed my life. I'm just so glad that I had this experience, and it's going to take me so far in life. I would love some personal feedback though; I am not sure if it's just all toyota, or if there was anyway to just give me some constructive criticism. I'll be so appreciative.

Take a great time,

Gino