February 6 - 8
2015
Seward, Alaska
NOSB SCHEDULE OF EVENTS: February 5 - February 8, 2015

Thursday February 5th

3:00 – 8:00 PM  Team & Art Check-in at K.M. Rae Building, 125 Third Avenue

Friday February 6th - All oral presentations are open to the public

6:30 - 8 AM  Breakfast at American Legion for NOSB teams and volunteers

7:00 AM  Doors open at Seward High School, 2100 Swetman Avenue - Final team check-in, Research Judge check-in.

8:15 AM  Welcome & Introductions

8:15-8:45 AM  1st oral presentation - Mat-Su Career Tech Mat- Tsunamis

8:45-9:15 AM  2nd oral presentation - Juneau-Douglas For All Intensive Porpoises

9:15 - 9:45 AM  3rd oral presentation - Kotzebue Team Kotzebue

9:45 - 10:00 AM  Break & snacks - in Cafeteria & Commons

10:00 - 10:30 AM  4th oral presentation - Kotlik Virtual Sympagic Explorers

10:30 - 11:00 AM  5th oral presentation - Ketchikan Saber-Toothed Salmon

11:00 - 11:30 AM  6th oral presentation - Cordova Perspicacious Dawgsharks

11:30 AM - 12:45 PM  LUNCH in town - teams buy their own lunch

1:00 - 3:00 PM  Alaska SeaLife Center Activity

3:15 - 3:45 PM  7th oral presentation - Seward Sea Bears

3:45 - 4:15 PM  8th oral presentation - Unalaska The Agleam Asteromphalus

4:15 - 4:45 PM  9th oral presentation - Petersburg Eider Do or Don’t

4:45 - 5:00 PM  Break & snacks - in Cafeteria & Commons

5:00 - 5:30 PM  10th oral presentation - Scammon Bay The Freedom Whales

5:30 - 6:00 PM  11th oral presentation - Thunder Mountain Pollock Pastries

6 - 8 PM  Dinner & viewing time at ASLC

7 - 9 PM  Art Show Reception at KM Rae Building - open to the public

8:00 PM  Ocean Connection art show awards announced at KM Rae Building
Saturday, February 7th, 2014 all events are open to the public

6:30 AM  Doors open at Seward High School - 2100 Swetman Avenue
6:30 - 8 AM  Breakfast at Seward High School for NOSB teams and volunteers
8-8:15 AM  Announcements
8:15-8:45 AM  12th oral presentation - Kodiak The Arctic Asteroids
8:15 - 9:00 AM  All quiz volunteers' meeting - SHS Library
8:45-9:15 AM  13th oral presentation - Petersburg Gallifreyan Gastropods
9:00 - 10:00 AM  Quiz officials practice in classrooms
9:15-9:45 AM  14th oral presentation - Juneau-Douglas Zoey and the Zoeae
9:45-10:00 AM  Break & snacks - in Cafeteria & Commons
10:00-10:30 AM  Quiz bowl introduction & rules review
10:30-11:15 AM  Quiz Competition: Round Robin Round 1
11:15-12:00  Quiz Competition: Round Robin Round 2
12:00-1:00 PM  Lunch at Seward High School for NOSB teams and volunteers
1:00-1:45 PM  Quiz Competition: Round Robin Round 3
1:45-2:30 PM  Quiz Competition: Round Robin Round 4
2:30-3:15 PM  Quiz Competition: Round Robin Round 5
3:15-3:30 PM  Break & snacks - in Cafeteria & Commons
3:30 - 4:15 PM  Quiz Competition: Round Robin Round 6
4:15 - 5:00 PM  Quiz Competition: Round Robin Round 7
5:00-6:00 PM  Dinner at Seward High School cafeteria
6:00-9:00 PM  Optional ROV activity
7:00-9:00 PM  Optional Swim Party at Seward High School swimming pool

Sunday, February 8th, 2014 - All events are open to the public

6:30 - 8 AM  Breakfast at American Legion for NOSB teams and volunteers
7:00 AM  Doors open at Seward High School, 2100 Swetman Avenue
8:00 AM  Announcements
8:15-9:00 AM  Quiz Competition: Elimination Round 8
9:00-9:45 AM  Quiz Competition: Elimination Round 9
9:45-10:30 AM  Quiz Competition: Elimination Round 10
10:30-11:15 AM  Quiz Competition: Round 11 - Championship
11:15 AM- noon  Guest speaker
NOON - 1 PM  Lunch at Seward High School for NOSB teams and volunteers
1- 3 PM  Awards ceremony - Seward High School auditorium
The Tsunami Bowl is Alaska’s regional version of the National Ocean Sciences Bowl, a nation-wide academic competition for high school students that encourages learning about all aspects of marine science. The program began in 1998 and is hosted each year by the Seward Marine Center and the University of Alaska Fairbanks School of Fisheries and Ocean Sciences. The Tsunami Bowl strives to develop relationships between researchers, students, and teachers. The competition and related activities during the three day event encourage students to continue to study fisheries and marine science during their post-secondary education, and to consider a career in a marine-related occupation.

Once again, included in the 2015 Tsunami Bowl is the research component of the competition, in which teams of four or five students prepare a 15-page research paper that is submitted in December and present a 20-minute oral presentation at the Tsunami Bowl in Seward. For the 2015 research project students were asked to consider a major reduction in Arctic sea ice as it relates to habitat loss and focus either on the impact on Arctic Biology or the impact on a global scale. The research paper score will be used to seed the quiz competition round robin divisions. The total research project score, a combination of paper score and oral presentation score, will be used along with the round robin quiz results to seed the final championship and consolation quiz brackets. The final quiz competition will determine the overall Tsunami Bowl Champion.

In the quiz competition, students must be the first to “buzz-in” for the opportunity to answer a multiple-choice or short-answer question. The game is organized as a series of matches in a round-robin/elimination format. In each match, two teams compete against each other and the clock, trying to be the fastest to answer the toss-up questions. Team challenge questions, more complex questions which require critical analysis and written answers, test students’ critical thinking skills.

The winning team of the 2015 Tsunami Bowl will have all expenses paid to travel to Ocean Springs Mississippi April 23 – 26 to compete against other regional winners from across the United States.

To encourage participation by students of a more artistic persuasion, the Tsunami Bowl includes an optional art show. The NOSB Ocean Connection Juried Art Show is open to all "ocean-theme" artwork created by high school students (grades 9–12) from schools participating in the NOSB competition. Students with art entries do not have to be members of an NOSB team to submit art. The show will be on display at the K.M. Rae Marine Education Building during the Tsunami Bowl.

For more information about past, present and future Tsunami Bowls, please check out the web site at: http://seagrant.uaf.edu/nosb/index.html
Thank you to all of our wonderful 2015 Tsunami Bowl Volunteers!

We couldn't do this without your help.

Aaron Poe  Jennifer Elhard  Mary Miller
Albert Csaszar  Jennifer Harris  Mason Elhard
Alexander Havens  Jim Herbert  Pam Parker
Alicia Chryss  Jim Pfeiffenberger  Pam Toumi
Allyson Chryss  John Hagan  Pat Church
Amber Stephens  John Skinner  Peggy Hamner
Arne Hatch  Jonathan Whitefield  Renee Elhard
Bonnie Moore  Josh Ashline  Phyllis Shoemaker
Carol Fairfield  Judy McDonald  Richard Hocking
Cathy Byars  Justine Pechuzal  Rebecca Chryss
Cathy Hart  Karissa McLane  Robyn Audette
Charlotte Regula-Whitefield  Karl Wuoti  Rowan Bean
CJ Rea  Kate Morse  Ron Wille
Cole Petersen  Katrina Counihan  Russ Andrews
Courtney Shuert  Kimberley Hellmers  Sadie Ulman
Dan Oliver  Kris Holderied  Sandy Stolle
Dana Nelson  Laura Morse  Sarah Bondareff
David Leech  Laurie Marrow  Sarah Gerken
Dean Stockwell  Leah Sloan  Savannah Lewis
Deanna Trobaugh  Leah Thon  Scott Pegau
Deborah Mercy  Leslie Jacoby  Serena Sweet
Doug Burn  Linda Corbin  Shannon Atkinson
Edward Decastro  Linda Lasota  Stephanie Kuhns
Eric Downey  Linda Robinson  Sue McClure
Ethan Roth  Lisa Matlock  Susan Sugai
Hillary Bean  Lori Polasek  Susan Swiderski
Jacqueline Ramsay  Mabel Baldwin-Schaeffer  Tahzay Jones
Jake Sweet  Maddy Rea  Tim Wilkie
Jan Kristenson  Mark Chryss  Valerie Cole
## 2015 Alaska Tsunami Bowl Teams

**Alaska Region National Ocean Sciences Bowl**

Asterisks (*) denote returning coaches and students. Multiple asterisks signify multiple years' participation.

<table>
<thead>
<tr>
<th>Team Name</th>
<th>School</th>
<th>Project</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Perspicacious Dawgsharks</strong></td>
<td>Cordova High School –</td>
<td>The Effects of Sea Ice Loss On Harp Seals</td>
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<td>Prince William Sound</td>
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<td>Science Center</td>
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<td></td>
<td>Sarah Hoepfner***,</td>
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<td>Lindsey Hammer***,</td>
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<td>Robin Pegau**,</td>
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<td></td>
<td>Katie Bailer**,</td>
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<td></td>
<td>Gabrielle Brown</td>
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<tr>
<td>Cara Goodwin, coach &amp;</td>
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<td>Lance Westing***** assistant</td>
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<tr>
<td>coach</td>
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| **Bristol Bay Waves**            | Dillingham City High School | quiz only                                                               |
|                                  | Britney Dray, Sonia-Monique Garcia, Analouise Hoseth, Sue Lee, Chenita Sorensen |                                                                         |
| Tara Kregar, coach               |                           |                                                                         |

| **Fairbanks Foraminifera**       | Hutchison High School, Fairbanks | quiz only                                                               |
|                                  | Mathias Capp, Phelan Green*, Jake Kelly, Kiana Wood |                                                                         |
| Megan McCarthy****, coach, and   | James Savereide**, assistant coach |                                                                         |
| James Savereide** |                                                                         |

| **For All Intensive Porpoises**  | Juneau-Douglas High School | Effects on Bivalves and Associated Ecology in the Chukchi Sea Due to Changing Sea Ice |
|                                  | Johnny Elliot**, Elias Antaya*, Macleod Morehouse*, Duncan Smith, Abigail Taylor-Roth** |                                                                         |
| Ben Carney**                     |                           |                                                                         |

| **Zoey and the Zoeae**           | Juneau-Douglas High School | The Effects of Sea Ice Reduction on the Subsistence of Arctic Char (Salvelinus alpinus), Dolly Varden (Salvelinus malma) and Arctic Cisco (Coregonus autumnalis) |
|                                  | Derek Dzinich, Demaris Oxman, Wenshi Fraser, Zoey Kriegmont, James Cheng |                                                                         |
| Ben Carney**                     |                           |                                                                         |

| **Saber-Toothed Salmon**         | Ketchikan High School     | Arctic Ice Melt and the Ivory Gull                                     |
|                                  | Micah Briola**, Autumn Davis, Ben Guevara, Keenan Sanderson** |                                                                         |
| Julie Landwehr***** coach        |                           |                                                                         |

| **The Arctic Asteroids**         | Kodiak High School        | A sustainability plan for the Arctic with a focus on the role of diatoms |
|                                  | Lars Bodnar*, Annie Looman*, Lance Peterson, Devin Shannon Aguirre, Elizabeth Spivey |                                                                         |
| Switgard Duesterloh** coach, and | Jane Eisemann****, assistant coach |                                                                         |
| Jane Eisemann**** |                                                                         |
### Virtual Sympagic Explorers
Kotlik School, Lower Yukon School District  
Taezon Akaran, Donovan Okitkun, Wilona Okitkun, Cheyanne Prince, Roy Prince  
Raphia Maglinao, coach  
**Project:** *Ringed Seal (Phoca hispida) And The Shrinking Arctic Sea Ice*

### Kotzebue
Kotzebue Middle/High School  
Qaulluq Henry, Alysha Owens, Nyla Ivanoff, Roquel Mills-Bain, Tristan Ferguson  
Amy Mecher, coach and Adam Hrnicek, assistant coach  
**Project:** *Arctic Sea Ice Decline and its effects on the Arctic Charr and Ice Algae*

### Mat-Tsunamis
Mat-Su Career & Technical High School, Wasilla  
Joshua Hartman, Lucas Arthur, Jacob Cucinello, Ariel Hasse, Cade Johnstone  
Tim Lundt, coach  
**Project:** *Algal Populations as an Indicator of a Shifting Arctic Ecosystem*

### Cthulhu
Mat-Su Career & Technical High School, Wasilla  
Drake Ballais, Keefer Brown, Hector Campbell, Soneeta Vue  
Tim Lundt, coach  
**Project:** *The Effects of Declining Sea Ice on Narwhals*

### Palmer
Palmer High School  
Kimberley McDowell, Bricen Sorrell, Shaelyn VanAusdal, Gabriel Warren, Chloe Wixon  
Cheryl Williams, coach  
**Project:** *Decreasing Arctic Sea Ice Through the Eyes of Spectacled Eiders*

### Eider Do or Don’t
Petersburg High School  
Kyle Hagerman, Tucker Hagerman, Summer Morton, Chauncy Sandhofer  
Joni Johnson, coach, and Sunny Rice, assistant coach  
**Project:** *The Effects of Declining Sea Ice on Narwhals*
2015 Alaska Tsunami Bowl Teams
Alaska Region National Ocean Sciences Bowl

Asterisks (*) denote returning coaches and students. Multiple asterisks signify multiple years' participation.

The Freedom Whales
Scammon Bay School (Lower Yukon School District)
Harry Bill, Helen George*, Rhea Kaganak, Kimberly Tomaganuk, Tom Tomaganuk
Max Rotenberry, coach, and Mary Cook, assistant coach
**Project:** Melting Arctic Ice and its Possible Impacts on Humans

Sea Bears
Seward High School
Jeremy Anderson, Elena Hamner, Madelynne Katsma, Roma Hamner*, EmmaLee Moore
Shoshannah Brasher***, coach, and Benjamin Pister*, assistant coach
**Project:** Interactions of the Arctic Fox and Sea Ice in a Changing Arctic Ecosystem

Siphonophoric Swashriders
South Anchorage High School
Joyce Kim, Ben Lacey, Shane Ohms, Connor Settle, Austin Williams
Chris Backstrum****, coach
quiz only

Pollock Pastries
Thunder Mountain High School, Juneau
Siena Hanna, Cahal Morehouse, Medora Rorick, Laurel Sheufelt, James Whitney
Brian Stoody*, coach
**Project:** The Population of Pollock Under Climate Change as Determined by Age, Distribution, and Prey Energy Content

The Agleam Asteromphalus
Unalaska City High School
Brian Conwell, Taylor Holman*, Bridget Nalam, Amelia Napper
David Gibson***, coach, and Melissa Good*, assistant coach
**Project:** The Effects of Sea Ice Volume on Algae in the Chukchi Sea
<table>
<thead>
<tr>
<th>Round / time</th>
<th>ROOM 102</th>
<th>ROOM 201</th>
<th>ROOM 202</th>
<th>Room 203</th>
<th>Room 204</th>
<th>ROOM 208</th>
<th>ROOM 212 (Music)</th>
<th>Auditorium</th>
<th>BYE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Round 1 / 10:30 am</td>
<td>Mat-Su Mat-Tsunamis VS. Hutchison Fairbanks Foraminifera</td>
<td>Ketchikan Saber-Toothed Salmon VS. Kodiak Arctic Asteromphalus</td>
<td>Scammon Bay Freedom Whales VS. Mat-Su Chthulu</td>
<td>Cordova Perspicacious Dawghsharks VS. Dillingham Bristol Bay Waves</td>
<td>Juneau-Douglas For All Intensive Porpoises VS. Petersburg Gallifreyan Gastropods</td>
<td>Thunder Mountain Pollock Pastries VS. Seward Sea Bears</td>
<td>Petersburg Eider Do or Don’t VS. Juneau-Douglas Zoey and the Zoeae</td>
<td>Kotlik Virtual Symaptic Explorers VS. South Anchorage Siphonophoric Swashriders</td>
<td>Kotzebue, Unalaska Agleam Asteromphalus, Kodiak Arctic Asteroids</td>
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<tr>
<td>Round 3 / 1:00 pm</td>
<td>Juneau-Douglas For All Intensive Porpoises VS. Unalaska Agleam Asteromphalus</td>
<td>Kotzebue VS. Hutchison Fairbanks Foraminifera</td>
<td>Thunder Mountain Pollock Pastries VS. Mat-Su Chthulu</td>
<td>Kodiak Arctic Asteroids VS. South Anchorage Siphonophoric Swashriders</td>
<td>Petersburg Eider Do or Don’t VS. Scammon Bay Freedom Whales</td>
<td>Cordova Perspicacious Dawghsharks VS. Mat-Su Mat-Tsunamis</td>
<td>Dillingham Bristol Bay Waves VS. Palmer</td>
<td>Petersburg Gallifreyan Gastropods, Kotlik Virtual Symaptic Explorers, Ketchikan Saber-Toothed Salmon</td>
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<tr>
<td>Round 4 / 1:45 pm</td>
<td>Juneau-Douglas For All Intensive Porpoises VS. Kotlik Virtual Symaptic Explorers</td>
<td>Hutchison Fairbanks Foraminifera VS. Palmer</td>
<td>Unalaska Agleam Asteromphalus VS. South Anchorage Siphonophoric Swashriders</td>
<td>Ketchikan Saber-Toothed Salmon VS. Kotzebue</td>
<td>Mat-Su Mat-Tsunamis VS. Dillingham Bristol Bay Waves</td>
<td>Petersburg Gallifreyan Gastropods VS. Kodiak Arctic Asteroids</td>
<td>Juneau-Douglas Zoey and the Zoeae VS. Scammon Bay Freedom Whales</td>
<td>Seward Sea Bears VS. Mat-Su Chthulu</td>
<td>Cordova Perspicacious Dawghsharks, Petersburg Eider Do or Don’t, Mat-Su Chthulu</td>
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<tr>
<td>Round 5 / 2:30 pm</td>
<td>Petersburg Eider Do or Don’t VS. Mat-Su Chthulu</td>
<td>Thunder Mountain Pollock Pastries VS. Scammon Bay Freedom Whales</td>
<td>Kodiak Arctic Asteroids VS. Kotlik Virtual Symaptic Explorers</td>
<td>Juneau-Douglas For All Intensive Porpoises VS. South Anchorage Siphonophoric Swashriders</td>
<td>Ketchikan Saber-Toothed Salmon VS. Cordova Perspicacious Dawghsharks</td>
<td>Mat-Su Mat-Tsunamis VS. Kotzebue</td>
<td>Hutchison Fairbanks Foraminifera VS. Dillingham Bristol Bay Waves</td>
<td>Petersburg Gallifreyan Gastropods VS. Unalaska Agleam Asteromphalus</td>
<td>Palmer, Juneau-Douglas Zoey and the Zoeae, Seward Sea Bears</td>
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<td>Round 6 / 3:30 pm</td>
<td>Ketchikan Saber-Toothed Salmon VS. Hutchison Fairbanks Foraminifera</td>
<td>Petersburg Eider Do or Don’t VS. Seward Sea Bears</td>
<td>Kotzebue VS. Dillingham Bristol Bay Waves</td>
<td>Cordova Perspicacious Dawghsharks VS. Palmer</td>
<td>Unalaska Agleam Asteromphalus VS. Kotlik Virtual Symaptic Explorers</td>
<td>Juneau-Douglas Zoey and the Zoeae VS. Mat-Su Chthulu</td>
<td>Petersburg Gallifreyan Gastropods VS. South Anchorage Siphonophoric Swashriders</td>
<td>Juneau-Douglas For All Intensive Porpoises VS. Kodiak Arctic Asteroids</td>
<td>Mat-Su Mat-Tsunamis, Scammon Bay Freedom Whales, Thunder Mountain Pollock Pastries</td>
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<tr>
<td>Round 7 / 4:15 pm</td>
<td>no game</td>
<td>Cordova Perspicacious Dawghsharks VS. Kotzebue</td>
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<td>Ketchikan Saber-Toothed Salmon VS. Dillingham Bristol Bay Waves</td>
<td>Mat-Su Mat-Tsunamis VS. Palmer</td>
<td>no game</td>
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<td>Hutchison Fairbanks Foraminifera</td>
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### 2015 Tsunami Bowl Blue Division

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<thead>
<tr>
<th>Team Name</th>
<th>Cordova Perspicacious Dawgsharks</th>
<th>Dillingham Bristol Bay Waves</th>
<th>Hutchison Fairbanks Foraminifera</th>
<th>Ketchikan Saber-Toothed Salmon</th>
<th>Kotzebue</th>
<th>Mat-Su Career Tech Mat-Tsunamis</th>
<th>Palmer</th>
<th>TOTAL POINTS*</th>
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<tbody>
<tr>
<td>Cordova Perspicacious Dawgsharks</td>
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<td>Dillingham Bristol Bay Waves</td>
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<td>Hutchison Fairbanks Foraminifera</td>
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<td>Ketchikan Saber-Toothed Salmon</td>
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<td>Kotzebue</td>
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<td>Mat-Su Career Tech Mat-Tsunamis</td>
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<td>Palmer</td>
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* Teams get 2 points for a win, 1 point for a tie & 0 points for a loss

### 2015 Tsunami Bowl Red Division

<table>
<thead>
<tr>
<th>Team Name</th>
<th>Juneau-Douglas Zoey and the Zoeae</th>
<th>Mat-Su Career Tech Cthulhu</th>
<th>Petersburg Eider Do or Don’t</th>
<th>Scammon Bay Freedom Whales</th>
<th>Seward Sea Bears</th>
<th>Thunder Mountain Pollock Pastries</th>
<th>TOTAL POINTS*</th>
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<tr>
<td>Juneau-Douglas Zoey and the Zoeae</td>
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<td>Mat-Su Career Tech Cthulhu</td>
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<td>Petersburg Eider Do or Don’t</td>
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<td>Scammon Bay Freedom Whales</td>
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<td>Seward Sea Bears</td>
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### 2015 Tsunami Bowl Green Division

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<thead>
<tr>
<th>Team Name</th>
<th>Juneau-Douglas For All Intensive Porpoises</th>
<th>Kodiak Arctic Asteroids</th>
<th>Kotlik Virtual Sympagic Explorers</th>
<th>Petersburg Gallifreyan Gastropods</th>
<th>South Anchorage Siphonophoric Swashriders</th>
<th>Unalaska Agleam Asteromphalus</th>
<th>TOTAL POINTS*</th>
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<tr>
<td>Juneau-Douglas For All Intensive Porpoises</td>
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<td>Kodiak Arctic Asteroids</td>
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<td>Kotlik Virtual Sympagic Explorers</td>
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<td>Petersburg Gallifreyan Gastropods</td>
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<tr>
<td>South Anchorage Siphonophoric Swashriders</td>
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<td>Unalaska Agleam Asteromphalus</td>
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* Teams get 2 points for a win, 1 point for a tie & 0 points for a loss
Championship Round # & time:  
round 8 at 8:15 AM  
round 9 at 9:00 AM  
round 10 at 9:45 AM  
round 11 at 10:30 AM  

<table>
<thead>
<tr>
<th>Rank</th>
<th>Team Name</th>
<th>Match</th>
<th>Room</th>
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1st place: L#8  
2nd place: L#7  
3rd place: L#3  
4th place: L#2  
5th place: L#4  
6th place: L#1  
7th place: L#5  
8th place: L#6
2015 Tsunami Bowl Scholarship Application

To apply for a $5,000 Tsunami Bowl Scholarship please fill out this form, attach your essay and grade report, and return by email or US Mail to the address below. If you are chosen for this scholarship the funds can be used at any University of Alaska campus to cover costs such as tuition, books, or other supplies. Three scholarships are available.

**DEADLINE:** Please return your application and attachments by email or US Mail (postmarked) by **MONDAY, April 6, 2015.**

Full legal name: ____________________________________________________________

Gender: [ ] Female  [ ] Male  Date of birth: ________________________________

Academic area of interest: ______________________________________________________

Name of High School: _________________________________________________________

UA ID# (if applicable): ________________________________________________________

Mailing address: ______________________________________________________________

____________________________________________________________________________

____________________________________________________________________________

Email address: ________________________________________________________________

Home phone: ________________________  Cell phone: _________________________

In an essay attached to this application please tell us about yourself, your college plans, the subject area you wish to study, and describe your need for these funds (very important). You must have at least a 2.5 GPA to apply for this scholarship and participate on a team for the 2015 Tsunami Bowl.

Please attach your most recent grade report.

Return this form, your essay and grade report to: Phyllis Shoemaker

Regional Coordinator, Alaska Tsunami Bowl
UAF-Seward Marine Center
PO Box 730
Seward, AK 99664
[phyllis.shoemaker@alaska.edu](mailto:phyllis.shoemaker@alaska.edu)

For questions please call: 907-224-4312

Receipt of all applications will be acknowledged by email and all applicants notified of the decision of the selection committee by April 20, 2015.

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