

Igiugig News & Notes

Igiugig Village Council

September 1999

Volume 2, Issue 10

1999 Summer Reading Club by Bernadette Andrew

By the time you read this, the 1999 Summer Reading Club will be over. It has been quite a successful year. Our 29 participants had combined to read 907 books with 66,768 pages as of our August 23rd meeting.

Leading in the most books category to this date are:

0 - 4	Shaun Andrew	266
5 - 8	Jeremy Salmon	109
9 - 18	Tanya Salmon	74
19 &	Lydia Olympic	14
	Julie Salmon	14

Leaders in the most pages category to date are:

0 - 4	Shaun Andrew	7920
5 - 8	Jeremy Salmon	3903
9 - 18	AlexAnna Salmon	10,710
19 &	Lydia Olympic	4424

The Banana Split Party will be held at the Back-to-School Potluck on Monday, September 6th at 5:00 PM in the school gym. If you didn't join, you can still get a banana split for \$3.00. Final results of the Summer Reading Club will be announced at this time!

Igiugig Village Council Meeting by Sandy Alvarez

The regular monthly meeting of the Village Council was held on August 18th at 4 p.m. All Council members were present as well as a number of community members and seven village employees who took questions and provided reports to the Board Members.

A review of the work accomplished so far this summer included the completion of a water & sewer connection to one home, with another in progress. One well has already been drilled and another is awaiting more casing to complete. Progress on the new building was also discussed.

Igiugig's three IGAP employees attended a training session in July regarding groundwater and provided information to the Board from that conference.

The Council was also informed that BBNA's Executive Committee will be sending a delegation to lobby in support of legislation that would require villages to contract their BIA programs through a regional organization (such as BBNA). The adverse affects that this

would have on the village and it's ability to accomplish local goals was discussed at length, as were possible options for use of regional organizations other than those based in Dillingham.

The weatherization project to upgrade nine homes in the village is scheduled to begin in late September. There are also some people who will be visiting homes in the next week to do energy assessments and to upgrade our appliances to state of the art energy efficient ones as part of a study in reducing energy consumption in rural Alaska.

A complaint was noted about the way escorts are provided for our elders who have to travel to town for medical attention. The Council will be looking into the policies and working with BBAHC staff in Dillingham to see if there are ways to take better care of our elders.

The next regular meeting of the Council is scheduled for September 22nd at 4p.m.

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Birthdays this month

- September 7
Gary Teague
- September 10
Sandy Alvarez
- September 27
Angel Alvarez

Norway by Ashley Jacobsen

This summer I spent a month with 33 pre-teens (10 – 13) in Northern Norway and Florida. We experienced many unforgettable things, such as the midnight sun, a model of the tabernacle, and the Arctic Circle. These things will always be in our memories. I made several new life long friends, and experienced life and food in a new country.

I spent one week at Boot Camp, which was very hot, humid, and wet. After this week of training in Florida, my team and I

spent three days travelling by bus, train, and plane to the Youth With A Mission base, which was located in Northern Norway.

While in Norway my team and I built three teepees, and planted two lawns. We also spent a day sightseeing a town in Norway.

Altogether my summer was a great and wonderful experience, and I would enjoy going again and working with Teen Mission International on another missionary trip.

Fun Things I Did This Summer by David and Angel Alvarez

David:

- Fishing on my Dad's boat for salmon
- Picking the fish
- Riding my bike up the road and to the school by myself
- Swimming at Boys & Girls club for five hours
- Going to Washington
- Swimming in Lake Whatcom
- Playing the computer when Mom wasn't working
- Playing aliens in space at Thor's house
- Playing croquet
- Going to see Tarzan at the theatre in Anchorage
- Finding that Pokey Gerdis was back (after being lost for three days)

Angel:

- Swimming in Lake Whatcom
- Going to see Tarzan
- Playing on Jill's laptop computer
- Walking with my oxygen bottle at the hospital and looking

- in all the boxes by the stairs
- Watching TV at the hospital
- Playing with my kitty
- Finding out that my sister is going to have another baby
- Getting guppies from Shawna and watching them have babies
- Visiting my cousins in Washington
- Going to Dillingham to see my Molly Mom
- Writing a book that has two pages
- Getting new school shoes and clothes
- Shopping and getting my Winnie the Pooh pillow
- Getting excited for school
- Holding a real live snake and letting it wrap around
- Seeing Grandpa and Grandma and their new motor home with the kitchen that slides out
- Moving into our new house in Naknek and getting my own room again without anyone else going in it.
- Playing with my cousins Shawna and Ceara

Intro to Groundwater Investigations by Lydia Olympic

Kevin, Christi, and I attended the Introduction to Groundwater Investigations class in Silverdale, WA. Joe, George, and Morgan our instructors from Tetra Tech NUS, Inc. were busy from the start cramming all of the subjects into three days.

Our first day we studied the rock cycles, depositional environments, soils, and drilling methods. At the end of the day we tied all of them together to do a problem solving exercise. The cross section was my favorite subject. It was fun and very interesting to determine the types of soils, rocks, and clay in the Colbert landfill site in Spokane, WA. We used a set of six rock/sediment cores to determine the different layers of dirt and rocks. These samples were taken from actual monitoring wells. They represented seven different geological formations encountered during the installation of these wells. We used the cores, the boring logs, and the topographic maps to graph the wells onto the graph paper. This was to determine the wells' elevations and the locations. We sketched in the geological layers, bedrock formations, and groundwater levels, and located the shallow and deep aquifers. This cross section prob-

lem was so much fun and the time just flew.

The study of the interactions of geological materials and processes with water especially groundwater, that is the definition of Hydrogeology. On our second day, Joe (Hydrogeologist) gave us a lecture on this topic. The many uses for water are drinking, irrigation, fisheries, industrial, transportation, and waste disposal. The well installation lecture listed the materials necessary for the installation of a well, wells in an unconfined aquifer or in a confined aquifer. George described the concept behind nested wells and the most common well sampling methods. Following these lectures we did the Hydrogeological exercises. These exercises were the three point problems and the flow net problems. This portion was challenging for me, my math is rusty so I had a hard time computing the gradient using the contour lines of the wells.

On our final day the lectures were on the Vadose Zone, Geophysical methods, Geochemical methods, and the groundwater models. We had our final test from two thirty to five o'clock, which

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Groundwater Investigations by Christina Salmon

From August 3-5, Lydia Olympic, Kevin Olympic, and I were in Silverdale, WA for an Introduction to Groundwater Investigations training.

Our course director was Morgan Button, and the instructors were Joe Wellner and George Ten Eyck, all were from the Tetra Tech NUS, Inc. There were 33 students in this class coming from many different states and tribal organizations.

During our three-day course we covered many different topics. A few of the subjects we covered were the Rock Cycle, Different Soils, and Cross-section exercises. I enjoyed the Cross-section exercises the most. Throughout the course I disliked the Geochemical methods and Geophysical methods the most. I think I disliked these two lectures the least only because

I did not understand them very well. On the last day of training we were to have a final exam. The test was supposed to last for 4 hours, but since we had to be out of the building by 5 P.M. we only had 2.5 hours to complete the test.

The problem we were to investigate was to locate where an oil spill leak was coming from. We were in-groups of six and had to install well filtration systems and do several different ground tests. I was the person in my group who worked the budget. For our final grade we received a 100%, plus a certificate for completing the course. I would recommend this course to anyone interested in a career in groundwater investigations, or geology. It is a good starting off point for a career in the hydrogeological field.

Training in Silverdale by Kevin Olympic

Lydia, Christina and I took a course in Silverdale, WA. We left on the first of August to the seventh. The training was held on the third through the fifth. The three instructors were Morgan Button, Joe Wellner, and George Ten Eyck, who were all from the Tetra Tech NUS, INC. They crammed the whole course in three days.

Day 1 started out with the Introduction, then we discussed Rock Cycles, Depositional Environments, Soils. We had an hour off for lunch, then we returned to Drilling methods, and the last lesson of the day we started the cross-section exercises. The first day was not hard and I understood what they were talking about. The activity I understood most was the cross-section and the drilling methods. Those were the easiest out of the whole training for me to understand.

Day 2 we finished the cross-sections and moved onto the Hydrogeology and Well Installation. Then we took off for

lunch. That afternoon we were working on Hydrogeological exercises: Burettes, 3 point problems, Flow net problems, and the Aquifer Stress test. I struggled with the problems that afternoon, but it was still a good learning experience.

The last day went by fast, except for the final test. That morning we went through the Vadose zone, Geophysical methods, Geochemical methods, and Groundwater investigation methods. After lunch we began our test. We first divided into groups and solved the problem. After the test was complete each group had to present what the assignment was to the whole group.

I liked this class and feel as if I have learned a lot. All of the instructors were helpful, and made sure we all knew what was going on. I especially enjoyed Morgan because he took time to explain everything and added humor to his lectures, which made us feel more comfortable.

"Groundwater is one of the Nature's most valuable resources. It is the source of about 40% of the water used for all purposes exclusive of hydropower generation and electric power plant cooling."

Ralph C. Heath

Take Me out To the Ball Game by Christina Salmon

Oh say can you see... Robert Clemens, Derek Jeter, Alex Rodriguez, Ken Griffey Jr., Bernie Williams...

The evening was warm and humid, Safeco Field was packed full with 45,190 screaming fans. At first I felt uncomfortable being one of the few New York Yankees fans in the Mariners field, but I soon became accustomed to the odd looks I would receive when I screamed and clapped for the Yankees.

We arrived at the stadium during the bottom of the third inning. We had to catch the ferry from Bainbridge Island, and then run six blocks to the field. We heard the fans before we even saw the stadium. Once there we had to ask for assistance to get to our seats. We had awesome seats too. Lydia,

Kevin and I had right field seats. You could see the rise in the pitchers mound, but you couldn't make out the players' faces very well.

After the seventh inning stretch, many Seattle residents left to beat after game traffic. There were several open seats by the rail and I went down to sit in one. I met a girl there originally from Nome. We started talking about Alaska and then she let me use her binoculars. I was so excited to see Derek Jeter up close. I was ecstatic when he was looking around the field, I had a perfect view of his face.

This was my first time ever attending a professional baseball game, and I am now obsessed with the boys of summer.

DID YOU KNOW?

Sewer lines and landfills are two of the routes by which hazardous wastes can contaminate drinking water.

The Natural Resources Defense Council tested more than one thousand bottles of 103 brands of bottled water, and about one-third of the waters tested contained contaminants.

You could refill an 8-oz. glass of water approximately 15,000 times for the same cost as a six pack of soda pop, and water has no sugar or caffeine.

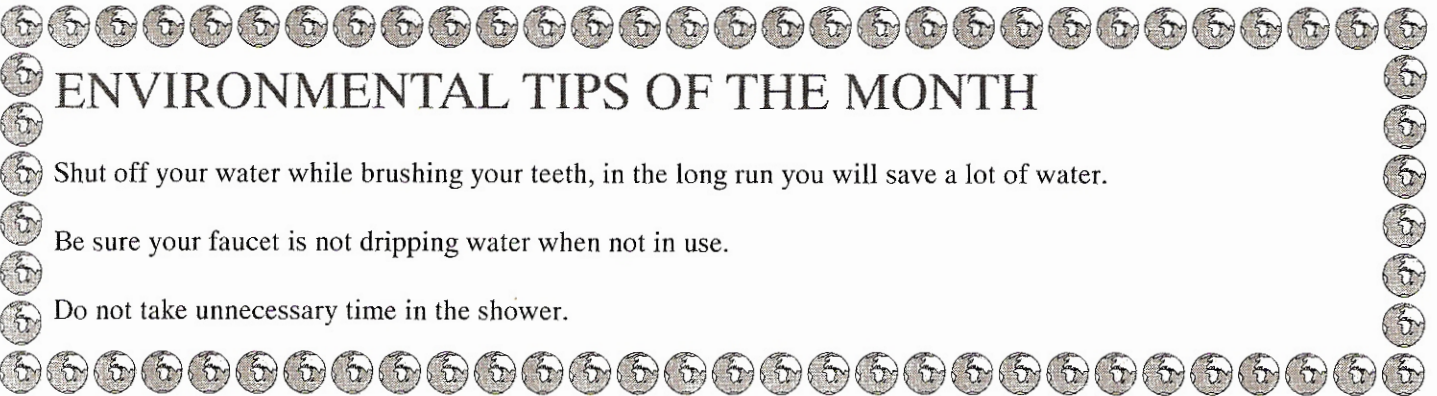
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involved solving a groundwater investigation problem. We had to figure out the culprit behind the oil spill using all the clues. We had to do cross section maps, a groundwater plume, and installed a few well monitors to determine where the oil spill was coming from. The investigation had to be under the budget too. We were divided into groups. My group passed with the lowest score of ninety percent.

There were thirty-five people in this class. About seventy percent of the class came up to me. They commended on how mature the interns carried themselves and how well they behaved. Several people wanted information on how to start a program like this in their high schools and their communities. Christi was the youngest person ever to participate in the Introduction to Groundwater Investigations class. Kevin, Chris, and I sat in the front row. They were asking questions, answering questions, making comments, and participating at all levels. At the end of class I personally thanked the instructors. When Christi went to shake their hands and to thank them for doing such a wonderful job, she shocked one of the instructors speechless.

We had an awesome time during our timeout from class. We took the ferry to Seattle to do some shopping downtown at

Niketown, Levi's store, Old Navy, and the Rainier Shopping Center. We had dinner at the Planet Hollywood. I went to BJ's to play bingo and came pretty close to winning big. We went to the movies. The highlight of the trip for me was the Seattle Mariners and New York Yankees baseball game. We went to the newly opened Safeco Field. There were 45,190 people in attendance. The atmosphere was simply out of this world. We had the greatest seats out in the right field area and it was on the first level. The bases were loaded when Ken Griffey Jr. came up to bat. I got the goosebumps just anticipating the grand slam, which was not to be. Jr. hit a sacrifice fly and the Mariners went up 4 to 2. We drove to Portland, Oregon to visit Michelle, Veronica, and Scott. We drove to the most beautiful Oregon Coast. Christi and I were brave enough to put our toes into the cold waters of the Pacific Ocean. We toured Cannon Beach and visited all the neat little shops. Along the way we stopped at the local produce stand. We all pigged out on the local sweet blueberries and raspberries. The weather was sunny and in the eighties. During the night we had severe thunderstorms. The lightning looked like fireworks in the sky. I felt like I was in a whirlwind while I was down there. We were on the get go from day one. It was a grand time but, it was good to come home and sleep.



ENVIRONMENTAL TIPS OF THE MONTH

Shut off your water while brushing your teeth, in the long run you will save a lot of water.

Be sure your faucet is not dripping water when not in use.

Do not take unnecessary time in the shower.

WHY NOT DUMP IT IN THE WATER?

Ocean, river, and lake dumping works only for small amounts of organic waste that decomposes quickly. Food scraps and animal wastes easily decompose into nutrients, which are readily consumed by plants and animals. When nutrients are too concentrated in water, natural balances are upset. When plant flourish, they deplete the oxygen. Fish suffocate without oxygen. Low concentrations of some metals in the water provide necessary nutrition, but too high concentration becomes unhealthy. Plastic trash accumulates to the surface and washes up on beaches as litter. Some chemicals accumulate in fish and birds, we eat these fish and birds and consume the chemicals also. Dilution only works when the capacity of the natural system is not exceeded.



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Environmental Workshop

by Christina Salmon

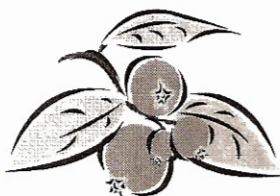
On August 23-24th, Lydia Olympic, Kevin Olympic and I were in Newhalen for the Nilavena Tribal Consortium Environmental Workshop. There we listened to lectures on how pollutants harm our environment, presentations were made about different grant opportunities, and we watched an instructor demonstrate how oil, gas, and sewage leak into our water wells. Jean Gamache reported on the proper ways to fill out our quarterly reports and budget summary. A lot of the information we were given at this workshop we had previously learned in Seattle, but the reinforcement was good and we got to listen to other grant recipients ideas and challenges, similar to our area of work.

"The science of hydrology would be relatively simple if water were unable to penetrate below the Earth's surface."

Harold E. Thomas

Recipe Corner

Here is a new section to watch for in our newsletter. If you have a recipe of any sort and would like to have it published in our newsletter, please submit it to Bernadette, our very own editor.



Blueberry Dessert

Blueberries Ahoy! I love these yummy berries. Blueberry pancakes, muffins, pies, syrup, jams and jellies, cakes, akutaq, buckle, and dessert.

Here is one way to prepare this tasty berry.

Base

½ cup flour

½ stick of margarine or butter

2 cups chopped pecans

Mix ingredients in a 13" x 9" pan. Pat it into the pan and bake until golden brown at 350 degrees.

Layer Two

1 package prepared Dream Whip

1 cup powdered sugar

1 8 oz. package cream cheese

Mix Dream Whip, sugar, and cream cheese in a small bowl. Place layer two onto cooled base.

Layer three

3 cups blueberries

2 cups granulated sugar

3 cups cornstarch

2 cups water (optional)

Cook blueberries, sugar and water in a medium saucepan over a medium heat gradually adding cornstarch until mixture is thick. Pour this over the second layer.

Layer four

1 package prepared Dream Whip

Spread the whipped topping over the third layer. Refrigerate for a few hours before serving and enjoy!

