

# THE KWAJALEIN HOURGLASS



**Maj. Evan Ting, left, commander of the 565th Engineer Detachment, discusses the electrical situation on Ebeye with Tony Loeak, Ebeye Electrical Distribution Manager on April 6. The engineers will survey Ebeye until April 15 to assess the island's infrastructure needs. For more on the team, see Page 3.**

Photo by Dan Adler

# National Financial Literacy Month proclaimed

THE WHITE HOUSE  
Office of the Press Secretary  
For Immediate Release  
April 2, 2010

NATIONAL FINANCIAL  
LITERACY MONTH, 2010

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BY THE PRESIDENT OF THE  
UNITED STATES OF AMERICA  
A PROCLAMATION

In recent years, our Nation's financial system has grown increasingly complex. This has left too many Americans behind, unable to build a secure financial future for themselves and their families. For many, financial literacy can mean economic prosperity and protection against fraud and predatory banking practices. During National Financial Literacy Month, we recommit to teaching ourselves and our children about the basics of financial education.

Our recent economic crisis was the result of both irresponsible actions on Wall Street, and everyday choices on Main Street. Large banks speculated recklessly without regard for the consequences, and other firms invented and sold complex financial products to conceal risks and escape scrutiny. At the same time, many Americans took out loans they could not af-

ford or signed contracts without fully understanding the terms. Ensuring this crisis never happens again will require new rules to protect consumers and better information to empower them.

The new Consumer Financial Protection Agency I have proposed will ensure ordinary Americans get clear and concise financial information. We must put an end to confusing loan contracts, hidden fees attached to mortgages, and unfair penalties that appear without warning on bank statements. The Credit Card Accountability Responsibility and Disclosure Act of 2009 began reining in some of these deceptive tactics when it recently took effect. The President's Advisory Council on Financial Capability is also looking for new ways to help

individuals make informed decisions and to educate our children on core financial competencies.

While our Government has a critical role to play in protecting consumers and promoting financial literacy, we are each responsible for understanding basic concepts: how to balance a checkbook, save for a child's education, steer clear of deceptive financial products and practices, plan for retirement,

and avoid accumulating excessive debts. To learn more, visit: MyMoney.gov or call toll-free 1-888-MyMoney for helpful guidance and resources.

Our Nation's future prosperity depends on the financial security of all Americans. This month, let us each take time to improve our own financial knowledge and share that knowledge with our children. Together, we can prevent another crisis and rebuild our economy on a stronger, more balanced foundation.

NOW, THEREFORE, I, BARACK OBAMA, President of the United States of America, by virtue of the authority vested in me by the Constitution and the laws of the United States, do hereby proclaim April 2010 as National Financial Literacy Month. I call upon all Americans to observe this month with programs and activities to improve their understanding of financial principles and practices.

IN WITNESS WHEREOF, I have hereunto set my hand this second day of April, in the year of our Lord two thousand ten, and of the Independence of the United States of America the two hundred and thirty-fourth.

— BARACK OBAMA

Do you have news you would like to share about your club, private organization or work department? Do you have an interesting story and photos of a vacation trip? How about a scuba dive with great photos you took? Have you got a good fish story? The *Hourglass* welcomes submissions of news articles written by members of the community. You can submit articles to the USAKA Public Affairs Officer, Vanessa Peeden, at [vanessa.peeden@smdck.smdc.army.mil](mailto:vanessa.peeden@smdck.smdc.army.mil)

## Republic of the Marshall Islands driver's license renewal and new issue

Republic of the Marshall Island's Department of Motor Vehicle licensing will process RMI driver's license renewals and new issues, 8 a.m.-noon, April 19, at the RMI Representative' Office located at Building 901.

If you would like to renew or get a new RMI driver's license, please bring a picture-identification and document showing your social security number. Cost of both renewals and new issue is \$20. Questions, please call the RMI Representative to USAKA's office at 53620/3600.

## THE KWAJALEIN HOURGLASS

The *Kwajalein Hourglass* is named for the insignia of the U.S. Army 7th Infantry Division, which liberated the island from the forces of Imperial Japan on Feb. 4, 1944.

The *Kwajalein Hourglass* is an authorized publication for military personnel, federal employees, contractor workers and their families assigned to U.S. Army Kwajalein Atoll. Contents of *The Hourglass* are not necessarily

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At left, Ed McBride, civil engineer and Maj. Evan Ting, 565th Engineer Detachment commander, observe as a leaking water main is uncovered for repair on Ebeye April 6.

*Photos by Dan Adler*

# Army engineers working on Ebeye to assess island's infrastructure need

## Hourglass Reports

The 565th Engineering Detachment Forward Engineer Support Team – Advance, commonly referred to as a FEST team, is based out of Hawaii. The FEST arrived on Kwajalein April 1 to conduct a survey of Ebeye's infrastructure. The team will be on Ebeye until April 15.

The FEST team consists of a Detachment Commander, Senior Non-Commissioned Officer (NCO), and six technical special-

ists. For this mission, the team came with six of their eight team members. The team conducts infrastructure reconnaissance in accordance with Army doctrine. The Army doctrine uses the acronym "SWEAT-MSO" to cover the various aspects of infrastructure survey: Sewer, Water, Electricity, Academics, Trash, Medical, Safety and 'Other' considerations. The infrastructure survey on Ebeye will concentrate on sewer, water, electricity, and trash utilities.

The group came to Ebeye as a

result of discussions between USAKA Commander Col. Frederick Clarke and Lt. Col. Jon Chytka, Commander of the Honolulu District Army Corps of Engineers, in September, 2009.

Maj. Evan Ting, an 18-year veteran of the U.S. Army is the team's Detachment Commander. He explained the purpose of the visit to Ebeye. "We will be conducting an infrastructure reconnaissance in order to

**See ENGINEERS, Page 9**

# April honors sacrifices military children



**Anthony Hoover**  
Age: 11  
Nickname JR

**Born:** Jan. 5, 1999  
**Place of Birth:** Saipan  
**Grade:** Fifth  
**Best subject:** Spelling  
**Favorite subject:** Science  
**Worst subject:** English  
**Favorite food:** Pizza  
**Favorite sport:** Bowling  
**Names of states and or countries lived in:** Saipan, Commonwealth of Northern Marianas Islands, Guam, Hawaii, USA, Missouri. Philippines, Kwajalein, Republic of Marshall Islands.  
**What is your most memorable travel experience?** Riding in business/first class from Kwajalein to Guam and Manila, Philippines.  
**What is your definition of happiness?** Traveling with my parents.  
**If you could be anyone in history, who would it be and why?** Myself because I would like to make history my way.



**Ashley Kutac**  
Age: 12

**Born:** June 16, 1997  
**Place of Birth:** Mississippi  
**Grade:** Seven  
**Best subject:** Geography  
**Worst subject:** I don't have one, I like them all.  
**Favorite food:** Schnitzel  
**Favorite sport:** Basketball  
**Names of states and or countries lived in:** Mississippi Virginia, Texas, Germany, Marshall Islands.  
**What is your most memorable travel experience?** Going to Japan, living in Germany and Kwajalein.  
**What is your definition of happiness?** When I am surrounded by people who make me laugh.  
**If you could be anyone in history, who would it be and why?** I would be Susan B. Anthony because she earned women the right to vote.



**Megan George**  
Age: 14

**Born:** Nov. 24, 1994  
**Place of Birth:** Anchorage, Ak.  
**Grade:** Ninth  
**Best subject:** Spanish  
**Worst subject:** English  
**Favorite food:** Salad  
**Favorite sport:** Basketball  
**Names of states and or countries lived in:** Alaska, Kentucky, Texas, New Mexico, and Kwajalein Atoll and Marshall Islands.  
**What is your most memorable travel experience?** Moving to Kwajalein Atoll.  
**What is your definition of happiness?** The whole family out having a good time together, with no worries.  
**If you could be anyone in history, who would it be and why?** I don't want to be anyone from history because I want to be myself and grow into a strong self-assured woman.

## MILITARY CHILDREN: OUR EVERYDAY HEROES

*The Hourglass will feature USAKA military children during the month of April.*

# make on behalf of parents and the nation



**David Langston-Laurence Stewart**  
Age: 12  
Nickname: Langston

**Born:** Feb. 19, 1998  
**Place of Birth:** Wynn Army Medical Center, Fort Stewart, Ga.  
**Grade in school:** Sixth  
**Best subject:** Spelling  
**Worst subject:** I do not have one.  
**Favorite food:** Pizza  
**Favorite sport:** Soccer  
**Names of states or countries you have lived in:** Georgia Illinois, Alabama, The Netherlands, Marshall Islands.  
**What is your most memorable travel experience?** It would be a tossup between going to Nashville three years ages to see Ted Neely in *Jesus Christ Superstar* and this past December to Las Vegas to see *The Black Eyed Peas*.  
**What is your definition of happiness?** Pursuing what you want to achieve and knowing that you are going to.  
**If you could be anyone in history, who would it be and why?** Dr. Ben Carson has inspired me to become a neurosurgeon because he has successfully helped and healed hurting people with brain injuries and disabilities.



**Heather Ansley**  
Age: 8

**Born:** March 5, 2002  
**Place of birth:** Huntsville, Al.  
**Grade:** Second  
**Best subject:** Spelling/English  
**Worst subject:** Math  
**Favorite food:** Pizza/Tacos  
**Favorite Sport:** Gymnastics and Soccer.  
**Name of states and or countries lived in:** Alabama, California, Virginia, Marshall Islands.  
**What is your most memorable travel experience?** A road trip around the United States last summer.  
**What is your definition of happiness?** My teacher, Ms. Karen.



**Nicole Ansley**  
Age: 10

**Born:** Dec. 1, 1999  
**Place of birth:** Hanau, Germany  
**Grade:** Fourth  
**Best subject:** English/Social Studies  
**Worst subject:** Math  
**Favorite food:** Pomegranate  
**Favorite Sport:** Swimming and Soccer.  
**Name of states and or countries lived in:** Germany, Marshall Islands, Alabama, California, Virginia.  
**What is your most memorable travel experience?** Going to Pohnpei for spring break last year.  
**What is your definition of happiness?** My friends.



**Remember . . .**  
**"Month of the Military Child"**  
**Thank You! Military Kids**



A6M Zero in flight in front of Mt. Fuji.

*Courtesy of WWII Database.com.*

# At least one Japanese Zero lies in Kwaj lagoon's aircraft graveyard

*Editor's note: This is the second in a series on World War II Japanese aircraft in the Kwajalein lagoon aircraft graveyard.*

**By Dan Farnham**  
Contributor

**D**esigned in 1937 and built by Mitsubishi Aircraft Corporation, the A6M was a long range fighter aircraft operated by the Imperial Japanese Navy Air Service from 1940 to 1945. The prototype first flew on April 1, 1939. After several modifications, it was accepted into service in July, 1940. The A6M is universally known as the Zero from its Japanese Navy type designation, 'Type 0 Carrier Fighter,' taken from the last digit of the Imperial year 2600 (1940) when it entered service.

The meaning of the A6M official designation was that 'A' signified a carrier-based fighter, '6' for the sixth such model built for the Imperial Navy, and 'M' for the manufacturer, Mitsubishi.



*Photo by Dan Farnham*

**Front of the Roi Zero.**

*The Kwajalein Hourglass*

The number following the 'M' signified the major production version of the plane, such as the A6M2.

Several variants of the Zero were produced during the war and the A6M5 was the last major version that was produced. Although some people think that the designation 'Zero' was generic to all Japanese fighter planes, the name is properly applied only to the Mitsubishi-designed A6M-series of naval fighters.

Because it was a fighter plane, it was given a male name by Allied Intelligence. Perhaps not surprisingly, the codename chosen for the Zero was 'Zeke.' One version of the Zero, a float-equipped variant built by Nakajima and designated the A6M2-N, was given the codename 'Rufe.' Another variant, the A6M3 Type 32 had squared-off wingtips and was given the codename 'Hamp.' Both planes, when they first made their appearance, were not immediately recognized as being variants of the Zero, but even after the Allies realized this, the codenames stuck.

When it made its appearance early in World War II, the Zero was the best carrier-based fighter in the world, combining excellent maneuverability and very long range. Armament was two 20 mm cannon, two 7.7 mm machine guns and two 70-pound or 130 pound bombs. Later variants carried four 20 mm cannons. It was powered by a 950-horsepower Sakae 21 radial engine. Most of the Zero was made of T-7178 aluminum, a top-secret aluminum alloy developed by the Japanese just for this aircraft. It was lighter and stronger than the normal aluminum used at the time and in addition, the designers left off such items as armor protection for the pilot, engine, and other critical points of the aircraft, and the self-sealing fuel tanks that were becoming common at the time were also left off, reducing the overall weight of the plane even more. These weight-saving measures gave the plane phenomenal performance and range.

The Zero quickly gained a fearsome reputation. It came as a nasty surprise to the Americans, who at the time had assumed that the Japanese could not compete in modern fighter design.

The attack on Pearl Harbor, and the subsequent battles at the Coral Sea and Midway showed that in experienced hands, the Zero was a deadly opponent and it took a heavy toll on



*Photo by Dan Farnham*

**A view of the Roi Zero from the back of the wreck.**

Allied aircraft whenever they had the misfortune to meet the Zero in combat. At the beginning of the war, Allied aircraft were simply outclassed by the Zero and they fell to the Zero's guns with depressing regularity.

But the Zero failed to achieve complete air superiority due to the development of suitable tactics by the Allies that offset the Zero's advantages.

By 1943, inherent design weaknesses and the increasing lack of more powerful aircraft engines meant that the Zero became less effective against newer Allied fighters that possessed greater firepower, armor, speed and approached the Zero's maneuverability. In addition, the lack of armor for the pilot and engine, and the lack of self-sealing

fuel tanks, meant that the Zero was prone to catching fire and exploding when struck by enemy gunfire. When the powerful F6F Hellcat and F4U Corsair appeared in the Pacific theater, the A6M lost its competitiveness due to its low-powered engine. Additionally, the ever-decreasing number of experienced Japanese aviators became a significant factor in Allied successes.

Nonetheless, right until the end of the war, in competent hands the Zero could still be deadly.

Due to the scarcity of high-powered aviation engines and problems with planned successor fighter types, the Zero remained in production until 1945, with over 11,000 of

**See AIRCRAFT Page 8**

all variants produced.

Several different Zero squadrons were based at Roi during the war, up until American troops seized the atoll in early 1944 during 'Operation Flintlock.'

The first of these units was the 'Chitose Air Group,' which was based at Roi from late August 1941 until December 1942. The 'Chitose Air Group' was initially equipped with the A5M4 'Claude,' which was the direct predecessor to the Zero, but the unit later transitioned to the A6M2 variant of the Zero.

The Chitose Air Group was reorganized as the 201st Naval Air Group on Dec. 1, 1942, and continued to operate A6M2's. In February 1943, the 201st NAG left Roi and returned to Japan.

The 252nd Naval Air Group took over on Roi in February 1943 when the 201st returned to Japan. The 252nd NAG established its headquarters on Roi, and the unit had detachments at Wotje, Taroa, and Eniwetok atolls. The 252nd NAG operated the A6M2 variant of the Zero, and transitioned to the A6M5 in mid to late 1943.

In December 1943, the 252nd was joined by the 281st NAG which was equipped with the A6M2 and both units operated from Roi until their destruction during Operation Flintlock in early 1944.

Other Zero units that operated briefly from Roi were the 'Junyo' Carrier Air Group or CAG, that had a detachment at Roi in the summer of 1943. Also, the 'Shokaku' CAG had a detachment at Roi for two weeks in late 1943. But neither of these units were permanently assigned to Roi like the 252nd and 281st Naval Air Groups.

Following the seizure of the Marshall Islands by American forces, surviving members of the 252nd and 281st were evacuated to Truk and Japan. But some pilots of both units, devoid of their planes which had been destroyed in pre-invasion attacks, fought as ground troops on Roi when the island was assaulted by American troops.

Kwajalein Lagoon contains at least one example of a Zero and it lies just off Roi inside the shipping channel. The plane lies at a depth of 55 feet, and it is a land-based version of the A6M2, easily distinguishable because



*Dan Farnham collection.*

### A6M Zero in flight.

the carrier-related equipment such as the tail hook is not present on the plane. Land-based Zeros had such equipment removed to save weight and the opening for the tail hook was faired over to reduce aerodynamic drag.

I first dived on this plane Nov. 26, 2006, with Rene Prenoveau and Leslie Mead. Since then I've made several visits to the wreck, and it's a great spot for a second dive after making a deep dive elsewhere.

The plane lies upside down, and is broken just behind the cockpit with the tail folded over almost on top of the plane. One of the landing gear struts and pieces of the engine cowling are scattered nearby. The guns are still in the wings, and one access panel is open so that you can see the ammunition drum inside the right wing.

Finding the wreck is easy and my favorite method is to anchor on the coralhead on the south side of the shipping channel, take a bearing from the GPS unit to the wreck and go. It's about a five minute swim from the coralhead. As you approach the wreck, you will usually come to the landing gear first and a line is tied to it that leads around a small coralhead and directly to the front of the plane about 100 feet away.

Over the years, I've heard speculation that the plane was shot down in combat. Another theory has it that the plane was dumped by the Japanese. Yet a third theory has it that the plane crashed accidentally while trying to land, since the wreck lies almost directly in line with the runway as it existed at the time when the

Japanese had their airfield on Roi.

Of those three theories, the physical state of the wreck best supports the accidental crash theory. There is no battle damage on the plane such as bullet holes or signs of fire damage. If the plane had been merely dumped by the Japanese, usable items such as the guns, engine, and other parts would have been cannibalized from the plane before it was dumped. The scattering of debris such as the landing gear and pieces of the engine cowling indicate an impact with the water that was hard enough to break pieces of the plane off, yet not hard enough to totally destroy the plane as a high-speed impact would have been. The propeller blades are not bent, indicating the engine was shut off at the time of impact, which also supports the accidental crash theory, as the plane could have crashed due to fuel starvation or some kind of engine problem.

Unfortunately, we may never know the exact date this plane crashed, or even which unit was operating it at the time it went down, because the Japanese destroyed most of their records and documents on Roi when they realized the island was about to be invaded.

In any case, having an example of Japan's most feared naval fighter of World War II is another reason that diving at Kwajalein Atoll is so great for history buffs. We have a unique opportunity for a close-up look at a plane that struck terror into Allied aircrews in the first years of the war, but was ultimately bested and unable to save Japan from being defeated in World War II.

## ENGINEERS, from Page 3

survey the existing conditions of sanitary sewage and storm water treatment, drinking water supply and distribution, electrical power generation and distribution, and the trash (solid waste management) systems. For this mission, we narrowed our scope to the S-W-E-T of SWEAT-MSO. The academic surveys are typically led by Civil Affairs Units, and the medical surveys by the medical units. As part of the survey, we will identify deficiencies, assess any problems, and make recommendations for improvements to the infrastructure. The goal is to assist the people of Ebeye in improving their quality of life. These utilities are so important in the hierarchy of basic human needs.”

Ting added, “There are eight FEST-A teams nationwide. Our primary mission is to support combatant commanders in theatres of operation such as Iraq and Afghanistan. We support combatant commanders with technical combat engineer resources that they don’t have organically. Most Army units at brigade level and higher have combat heavy engineers that conduct horizontal and vertical construction. They also have light engineers, commonly referred to as “Sappers” that closely support the Infantry with mobility, counter mobility, and survivability. We’re the engineers that bring the technical skillset of engineering to a combatant command. Some of our



**Aerating rotors are used to oxygenate sewage for proper functioning of sewage treatment plants.**

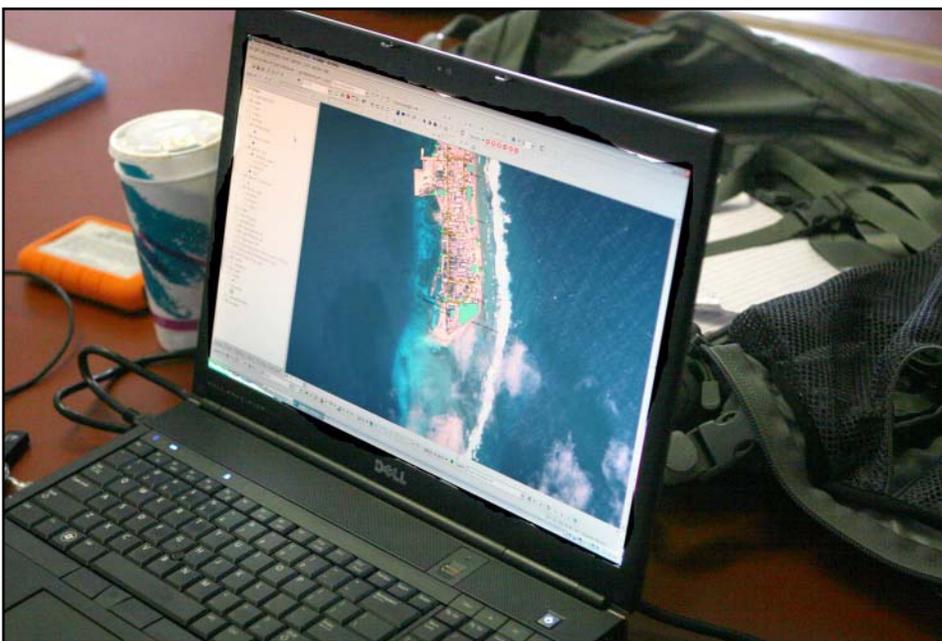
expertise outside of infrastructure reconnaissance include: route reconnaissance, construction management, design/planning of construction projects, quality control and assurance, restoring essential services, and contingency contracting support.”

Six members of the team are Department of the Army Civilians. “Majority of our team members are military or have prior military experience. This is beneficial since our mission is to support military units,” said Ting. “All team members have an individual technical skill set that puts them into a specialized role on the team. The technical specialties include: a civil

engineer, a mechanical engineer, an electrical engineer, an environmental engineer, a cartographer/GIS specialist, and a contingency contracting officer. Our Detachment NCO is a senior construction supervisor, and it just so happens that the Detachment Commander is a civil engineer. We’re all very specialized.”

The active duty FEST teams are a fairly new concept in the Army. Their latest team member just came aboard in September, and the team has really only been together for seven months. The team is training for their next deployment cycle which is in the very near future.

Ting said, “The Army likes to train phases using the crawl, walk, run method. Our team has been blessed with some great opportunities to train. We’ve had a natural disaster exercise in Hawaii to respond to, as well our first major joint exercise, Balikatan, in the Philippines. As part of our crawl phase of training, we conducted a technical route reconnaissance in Palau on a 52 mile stretch of road. Then as part of our walk phase of training, we deployed to Thailand to participate in the Cobra Gold exercise conducting infrastructure recon on previously constructed Humanitarian Civil Assistance projects. This mission took our team all across the countryside of Thailand to conduct engineering surveys, to include structural assessments of schools. I consider the Ebeye infrastructure recon as our run phase of training. This survey is more technically challenging



**Infrastructure locations on Ebeye are overlaid onto satellite images for future reference.**

## ENGINEERS, from Page 9

then our previous training. It will definitely test our METL. Much of the infrastructure on Ebeye is in various states of disrepair. The storm sewers are not functioning, and neither is the sewage treatment plant. Electricity has been unreliable in the past, with rolling brown outs and power outages. Potable water is a commodity that is often hard to come by. This mission is a win-win opportunity where our team gets real world training, supports USAKA, and in one way or another assist the people of Ebeye by partnering our experts with theirs. Helping people in need is the best reward our team could ask for.”

According to Ting, all of the team’s survey and assessment activities up to now have been training exercises in preparation for their future deployment to Iraq or Afghanistan, and for rapid response to worldwide natural disasters.

As with all complex operations, advanced planning was crucial to the team’s Ebeye assignment. Planning started nearly four months ago according to Ting. The team meticulously studied previous reports and the existing infrastructure on Ebeye. The team scrutinized satellite imagery of Ebeye and all known sewer, water, electrical, trash, and other like infrastructure were overlaid onto the satellite image by Dave Hinkle, the team’s cartographer and map maker. Team members will conduct site visits all over Ebeye performing their survey of utilities. If they discover

changes or additions differing from what is overlaid on the satellite image, the team will make those changes on the overlays. The final utilities map will be provided to the Kwajalein Atoll Joint Utility Resources (KAJUR) and Ebeye’s Public Works personnel since they do not have current maps or record drawings of their infrastructure.

“In addition to studying satellite imagery the team also contacted Rod Nakamura, General Manager of Kwajalein Atoll Joint Utility Resources, who is working closely with the team members. “He and his staff have been a great asset to us,” said Ting. “They have proactively assisted us with access to facilities, transportation around Ebeye, and have conducted numerous interviews with our team members since day one. Sure, we could do it on our own, but it sure makes life easier and our work more efficient having their assistance. It’s definitely been a partnership.”

While in the KAJUR offices, some plans and drawings were found which can be invaluable to the team in locating manholes, water lines, sanitary sewer and storm drain lines. The plans and drawings are from 1979 and 1983, many things may have changed and the team members have to physically go to the sites to ascertain whether



**Clogged storm drains could cause localized flooding.**

the infrastructure is still the same as indicated on the plans and drawings. If not, the change(s) would need to be indicated on the new overlays being produced by the team.

“We’re going to need to work efficiently these two weeks because the field work is fairly intensive,” said Ting.

After the first two days on Ebeye, Ting said, “The infrastructure is in poor condition and it is adversely affecting the quality of life of the residents. The salt air and ocean environment is extremely corrosive and harsh on equipment. Without regular preventive and proper maintenance, equipment lifespan is significantly reduced. The sewer piping and pumps are rusted and corroded through. Original equipment has been replaced with temporary fixes. There is a lack of supply parts and tools to maintain equipment which has prevented necessary maintenance to many of these facilities.

He listed some of the issues the team has found to include one with the potable water that is produced by three reverse osmosis desalination units. Majority of the time, two of three units are operational, leaving the system operating at 67 percent capacity.”

Another area of focus are clogged storm drains, which in heavy rains causes flooding on Ebeye. The salt water feed to the water filtration unit (used to producing potable fresh water) is limited due to the lack of adequate pumps. Pumps and piping are corroded, and spare parts are limited or non-existent. If water can’t be pulled into the RO machines, water can’t be made even if the machines are working at full capacity.

A particularly positive point of the survey is the electrical generation and distribution. According to Lu Tran, the team’s electrical engineer, the transformers, generators



**Tony Loeak, Ebeye electrical distribution manger, left, and Lu Tran, electrical engineer, inspect a transformer on Ebeye April 6 during the survey of Ebeye.**

electrical connections, grounding and cables all appear to be in good operating condition. Tran also said there is very little rust and the type of transformers used on Ebeye are very safe to work with. After inspecting each transformer, it is marked on a map, located with GPS coordinates, and given a condition rating, which is all put into a GIS database.

In addition to the generating and distribution system being in good shape, the RMI Government is making strides to reduce energy consumption by replacing inefficient HQI street lights with energy saving LED lights. The LED lights being installed use far less power than the current ones. The RMI is also trying to acquire funding for solar panels to generate electricity for the street lights on Ebeye.

Other members of the team are Jon Hosaka, mechanical engineer who surveyed the fresh and salt water distribution lines, water supply, as well as the water treatment plant. Ismael Delgado is the team's environmental engineer who is responsible for surveying the solid waste management on Ebeye, as well as assisting Jon Hosaka with the water survey.

The team's "battle rhythm" consists of some doing physical training (PT) early in the morning, prior to heading out to Ebeye for daily site surveys. The surveys typically take the majority of the day. After each day's work, the team meets at the USAKA Command Building for a staff meeting to discuss what was completed in the past 24 hours, and what the plan of action is for the next day. The team members share what they surveyed for cross dissemination and to give other team members situational awareness.

At survey's end, an out briefing will be given to Col. Clarke.

"We'll provide a final report that lists our findings and our recommendations," said Ting. "The report will be staffed through the Honolulu District Corps of Engineers prior to being submitted to USAKA for dissemination to the RMI Government, the U.S. Embassy on Majuro, and the Department of Interior. In addition, this report will likely be submitted to the United States Army Pacific (USARPAC) and the Pacific Command (PACOM). Our team is blessed to have this opportunity to support USAKA and the people of Ebeye, while receiving real world training to prepare us for our future deployments."

Saturday, April 10, 2010



Members of the FEST-A survey team, left to right, Ed McBride, civil engineer, Lu Tran, electrical engineer, Maj. Evan Ting, detachment commander, Ismael Delgado, environmental engineer, Jon Hosaka, mechanical engineer and Dave Hinkle, cartographer/GIS specialist.



Ed McBride, left, and Maj. Evan Ting review utility drawings of Ebeye from 1979 and 1983.

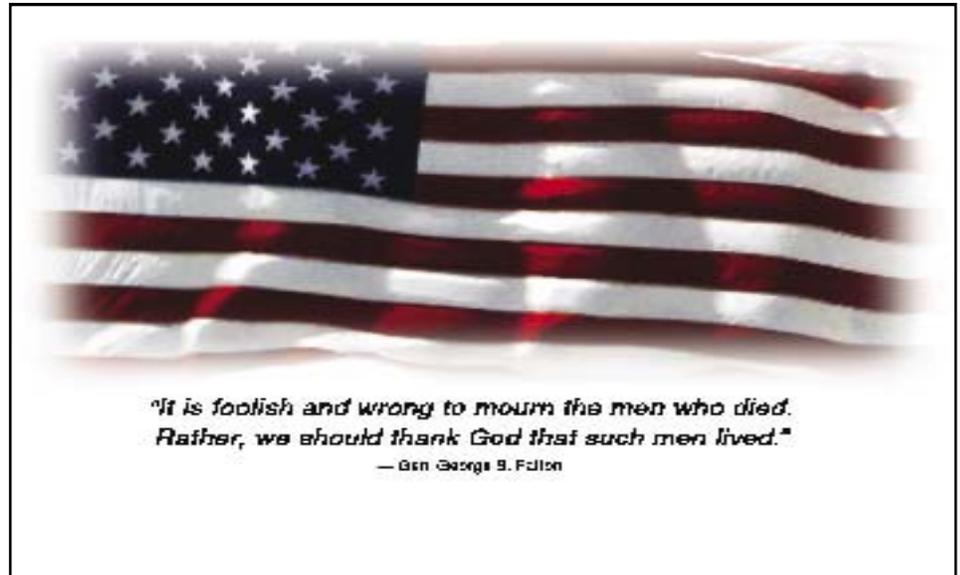
# Seven servicemembers die in Iraq, Afghanistan

**Spc. James L. Miller**, 21, of Yakima, Wash., died March 29 in Dashat, Afghanistan, of wounds suffered when insurgents attacked his vehicle with an improvised explosive device. He was assigned to the 4th Battalion, 23rd Infantry Regiment, 5th Stryker Brigade Combat Team, 2nd Infantry Division, Joint Base Lewis-McChord, Wash.

**Staff Sgt. Scott W. Brunkhorst**, 25, Fayetteville, N.C., died March 30 in the Arghandab River Valley, Afghanistan, of wounds sustained when enemy forces attacked his unit with an improvised explosive device. He was assigned to 2nd Battalion, 508th Parachute Infantry Regiment, 4th Brigade Combat Team, 82nd Airborne Division, Fort Bragg, N.C.

**Pfc. Raymond N. Pacleb**, 31, of Honolulu, Hawaii, died March 29 in Baghdad, Iraq, of injuries sustained from a non-combat related incident. He was assigned to the 1st Battalion, 487th Field Artillery Regiment, Wahiawa, Hawaii.

**Lt. Miroslav Zilberman**, 31, of Columbus, Ohio, died after his E-2C Hawkeye crashed into the Arabian Gulf on March 31, 2010. The recovery effort was abandoned on April 2, 2010 and his body was not



recovered. Zilberman was assigned to Carrier Airborne Early Warning Squadron (VAW) 121.

Two Marines died April 1 while supporting combat operations in Helmand province, Afghanistan. Killed were: **Lance Cpl. Tyler O. Griffin**, 19, of Voluntown, Conn. and **Sgt. Frank J. World**, 25, of Buffalo, N.Y. Griffin was assigned to 1st Battalion, 2nd Marine Regiment, 2nd Marine Division, II Marine Expeditionary Force, Camp

Lejeune, N.C. World was assigned to 2nd Light Armored Reconnaissance Battalion, 2nd Marine Division, II Marine Expeditionary Force, Camp Lejeune, N.C.

**Lance Cpl. Curtis M. Swenson**, 20, of Rochester, Minn., died April 2 while supporting combat operations in Helmand province, Afghanistan. He was assigned to 1st Battalion, 3rd Marine Regiment, 3rd Marine Division, III Marine Expeditionary Force, Kaneohe Bay, Hawaii.

## Lead levels above drinking water action level on Meck

The Meck Island water tests performed during first quarter FY08 showed lead levels in the water above the limit, or "action level". This is not an emergency and the high levels of lead detected were either due to the water in the building plumbing remaining stagnant because of decreased usage on Meck and/or water plumbing containing lead components. As a precautionary measure, run the water for 1-2 minutes prior to utilizing it for consumption. As a result, the environmental department increased monitoring of Lead and Copper from annually to every 6 months, investigated the need for a corrosion control treatment, and performed additional source water and water quality parameter monitoring. The analytical results from the water samples taken during the third quarter of FY08 showed lead levels below the action levels, however, lead levels were detected above the action level in first and third quarters FY09. Lead and copper samples will continue to be collected at Meck on a semi-annual basis until two consecutive six month monitoring periods demonstrate lead levels below the lead AL.

If you have any further questions, please contact Anne Robinson at 58301.

Elap Jonan Lead eo ilo Dren in Idrak eo ilo Meck

Ilo 1st Quarter in FY08 eo, ar komon teej ko non lale jonan lead eo ilo dren in idrak eo ilo Meck. Im rar loe ke jonan lead eo ar bed ilon in "action level" (15 parts per billion [ppb]). Ejjab menin idin im uwota kin an le jen jonok in "action level" eo an lead ilo tore in. Unin an wor lead ilo teej ko ej kinke dren eo ilo building eo ejjab toor ak ej bed wot ilo pipe kin an driklok operation ilo Meck. Naan in kakkol bwe mokta jen am ilimi dren eo ilo Meck, kotlok bwe en toor 1-2 minute aetok. Im kin un in, enaj laplok im emakijkij lok an department eo an environmental etale im teej e jonan Lead im Copper eo, laplok jen 1 katen ilo 1 yio non aolep elikin 6 alon. Result ko jen teej ko komon ilo kota jilu ilo FY08 rar kwalok ke lead eo ar bed ilal in "action level" eo, ijoke teej ko jen kota juon im jillu ilo FY09 rar laplok im le ilon in action level eo. Sample in lead im copper renaj wonmanlok im komon ilo Meck ruo kotan lokin aolep yio mae ien level in lead eo ebed lalin action level eo ilo ruo jijino allon period.

Elane ewor am kajitok, kiir Anne Robinson ilo 58301.



*Photos courtesy of Bob Sholar*

Jeffrey Fluhrer finishes the Driftwood Classic in 42 minutes and 45 seconds making him the overall winner.

# 2010 Driftwood Classic run Monday

**By Bob Sholar**  
Kwajalein Running Club President

The 2010 Driftwood Classic 10K Road Run drew 39 participants, which is the highest participation for this event since the early 1990s. Thanks to the many walkers for joining this year.

It only takes an hour and a half to two hours to walk the Kwajalein Island perimeter and take in both the Lagoon and Ocean sides of this beautiful Micronesian environment in the process.

Conditions were better than average with some high cloud cover during much of this commonly wilting 6.2-mile run.

Congratulations go to overall winner Jeffrey Fluhrer lowering his time by three and a half minutes from last year to 42:45. His intense training is clearly paying off in performance dividends. Runner-up Jon Jahnke improved by 30 seconds to 43:28.

With an even larger time improvement, Paula Fluhrer ran 53:55 compared to 58:17 in 2009.

First for the ladies this year was Christi Cardillo in 51:17.



Wesley Huff participates in the Driftwood Classic Monday afternoon.

**KRS and CMSI Job Listings for On-Island Positions will be available at the Kwajalein, Roi-Namur and Ebeye Dock Security Check Point bulletin boards, the bulletin board by the Continental Travel Office, the Roi-Namur Terminal/Post Office bulletin board and at Human Resources in Building 700. Job Listings for Contract Positions will be available at [www.krsjv.com](http://www.krsjv.com), on the bulletin board by the Continental Travel Office and on the Roi-Namur/Post Office bulletin board. Full job descriptions and requirements for Contract openings are located online at [www.krsjv.com](http://www.krsjv.com).**

NEED EXTRA MONEY? KRS employment applications are continually accepted for Casual Positions in the Community Services Departments, Medical Department and the HR Temp Pool. Some of the Casual positions are: Recreation Aides, Medical Office, Media Services Specialist, Substitute Teacher, and HR Temp Pool Office Support. Questions? Call 54916.

**WANTED**

SCRABBLE PLAYERS. Call 53279, home or 53607, work.

KARAOKE PARTNER. Call Rob, at 53279 or BQ Surf #221. Karaoke is every Friday at 8 p.m.

**Religious Services**

Catholic

9:15 a.m., Sunday, in Island Memorial Chapel.

Protestant

Sunday

8 and 10:45 a.m., on Kwaj and Roi-Namur service at 4 p.m.

Baptist

9:40 a.m., Sunday, in elementary school music room.

Latter-day Saints

10 a.m., Sunday, in

Corlett Recreation Center, Room 3.

Jewish services

Last Friday of the month in the Religious Education Building. Times will vary. Contact the Chaplain's office, 53505, for more information.

CHILD'S 18-inch bike to borrow or buy. Call Kim, 52680.

AEROBICS STEP, 40 inches wide model wanted. Call 52642.

BEACH CHAIRS WITH adjustable back in good condition. Call 55590, after 5 p.m.

**LOST**

BLUE STADIUM seat on March 27 between BQs and Emon Beach. Call 52853.

**PATIO SALES**

MONDAY, 6:30-11:30 a.m., Quarters 138-F. Pre-PCS sale. Household goods, kitchen appliances, baking pans, lamps, artificial plants, computer software, women's clothes and tools.

MONDAY, 8 a.m.-noon, Quarters 486-B. Women's and men's clothes, misc. items.

**FOR SALE**

GE MICROWAVE, works great, \$30. Call 53921.

FENDER HOTROD DELUXE guitar amp with new celestron vintage 30 speaker, Gibson ES-335 faded cherry, Fender American deluxe 62 Strat reissue, all \$2,500. Call 53329, after 5 p.m.

L&R SOLID STATE Ultrasonic T-14B cleaner, \$15; five-shelf bookcase, \$15; white three-shelf rolling cart, great for bathroom, \$10; set of dumbbells, 10, 15 and 20 pounds with stand plus 35-pound dumbbells, all for \$35; American Tourister black rolling duffel bags, \$25 each and 4-foot by 6-foot blue kitchen rug, thin knap for easy cleaning, \$25. Call 50936, days, or 54538, evenings.

XBOX 360 games: Fallout 3 (game of the year edition), Wet and Fairytale Fights, \$60 for all. Call 50894.

27-FOOT CROWN LINE fishing cruiser, 350 mercruiser, plus 15-horsepower, boathouse #309 and trailer, reduced, \$17,900 and 21-foot fiberglass high performance boat, 225-horsepower Johnson plus eight-horsepower, boathouse #800 and trailer, reduced, \$5,700. Call 59662 or e-mail: [hammerhead herb@hotmail.com](mailto:hammerhead herb@hotmail.com).

HUGE NEW PATIO umbrellas from Target, \$250 or best offer and patio carpet, \$20. Call 52640.

XBOX 360 and Wii games: Big Beach Sports, Surfs Up, Sonic the Hedgehog, Wii Play, Arcade Games and Sega Super Star Tennis. Call 51427

PROM DRESSES, black with accents size 9-10, black mermaid style halter bead encrusted, size 11-12; size 8 1/2-9 women's K2 roller blades with all padding and maintenance supplies, all for \$125 or reasonable offer.

Call 51597.

SPACE SAVER (for bathroom), 63-inches high by 29-inches wide by 9.5-inches deep, brand new still in box, from Bed, Bath and Beyond, satin white painted finish, satin nickel finish hardware, two adjustable shelves, \$75. Call 51129.

BOATHOUSE #9 on covered lot, high clearance, solid roof, good neighbors. \$1,500. Call 53100 or 52793.

RECLINER CHAIR, light brown/beige cordoroy fabric, excellent condition, \$65; Sauder entertainment center, light wood. glass door with three shelves, four cupboards underneath door and large space for TV, shelves on side for videos/DVDs, plus shelves for CDs, excellent condition, 95. Call 53759 and leave a message.

WHITE CRIB, \$150; crib bedding, \$15; white baby rocker (detaillier glider/rocker), \$250; seven-foot by five-foot area rug, \$25; large white lamp, \$30; small white lamp, \$20; plants of all sizes, \$10 to \$20 and white outdoor round table, Kwaj condition, \$5. Call 58121.

20-GALLON AQUARIUM with all the accessories to run it to include stock of fish food, \$50. Call 54798.

PULSE KICK'N GO nitrous scooters, one is Pearl Night and the other is Black slime, designed for children ages five and older, uses a unique chain driven kick lever propulsion system. three months old, like new. \$65 each and Sun female three-speed bike with gooseneck \$150. Call 52642.

NEW STAINLESS steel gas barbecue burner kit \$20 and universal fit for two control knobs, 20-inches long by 4-inches wide. Call 51061.

ASSORTMENT OF LARGE and small plants for sale. Call 52608 or stop by Quarters 228-B.

SHOP AND OWNER'S manual for Honda five-horsepower, four-stroke engine, \$35. Call 52526.

NEPTUNE SPACE full face mask, black/medium, complete with DVD, \$400. Call Joe at 52222 or 52585.

**COMMUNITY NOTICES**

THE JIMMY BUFFET Parrot Head party is at 3 p.m., April 11, at Camp Hamilton. Games start at 5 p.m. and 'Cheeseburgers in Paradise' starts about 6:45 p.m. There will be live music of course. Mostly Jimmy Buffett — after all it is a Jimmy Buffett party. A word of warning though, if you can't dress up, don't bother coming because that means you're probably a boring person. At least wear an aloha shirt. Lei's will be supplied.

THE KWAJ RUNNING CLUB is holding a Fun Run/Walk at 5:30 p.m., April 12. Meet at the library. Walkers are highly encouraged to participate.

*Café Pacific*

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	April 17
Carved top round	Stuffed pork chops	Minute steak	Greek chicken breast	Pork carnitas	Spaghetti	Swedish meatballs
Oven fried chicken	Lemon basil chicken	Turkey stir-fry	Sautéed liver	Chicken chimichangas	Italian baked chicken	Fish sandwich
Cheese quiche	Huevos rancheros	Mac and cheese	Couscous	Tacos	Pasta bar	Turkey stir-fry
Grill: Brunch station open	Grill: Brunch station open	Grill: Pizza burger	Grill: Grilled cheese	Grill: N/A	Grill: N/A	Grill: Ham and cheese

Tonight	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
Grilled short ribs	Barebecued pork butt	Salisbury steak	Kwaj fried chicken	Carved top sirloin	Stir-fry to order	Pot roast
Broiled fajita chicken	Chicken supreme	Tuna casserole	Mahi mahi	Whole roast chicken	Charisu spareribs	Chicken adobo
Tex-Mex stir-fry	Baked tofu/cabbage	Pork pimento	Chinese beef	Ratatouille casserole	Egg foo yung	Chef's choice

BARIATRIC SURGERY support group will meet at 7 a.m., April 13, in the hospital conference room.

NEED TO TALK, empathize with other women on island? Drop by the Woman's Support Group beginning at 7:30 p.m., April 16, in the Hospital Conference Room. Group will meet alternating Fridays and Tuesdays.

THE YOKWE YUK Women's Club would like to invite island newcomers to be our guests for a casual social, 7-9 p.m., April 16, at Quarters 241. A Bargain Bazaar Fashion Show will be held that evening. The JineTipTip Club is also invited.

R.D.S KARAOKE is hosting karaoke night April 17, at the Veteran's Hall.

MURDER IN SIN CITY, an interactive murder mystery game, will be held at 6 p.m., April 17. Cocktails at 6 p.m. with dinner at 7 p.m. at the Country Club. Bus Service Provided. Tickets on sale now in the Community Activities office, Building 805. \$30 per person. Limited tickets available. Everyone has a part to play; a piece of the action on this evening of secrets, sleuthing and other shocking behavior. Come enjoy a night of casino games, being a character in the murder mystery and catered dinner.

ATTENTION CYSS School Age Parents: Open Recreation Event " Ice Cream Social " will be 6-8 p.m., April 17. Register at CYSS Central Registration Office between April 6-10. Space is limited. For more information call 52158.

SPRING ARTS and Craft Fair is 10 a.m.-2 p.m., April 19, in the multi-purpose room. The craft show will feature more than thirty tables of crafts unique to Kwaj. All residents and visitors to the photo exhibit may vote for their favorite photos in each of several categories. Winners may be part of the next Kwaj calendar! Questions? Call Jayne Cavender, 54643.

THE NEXT SCHOOL ADVISORY Council meeting is at 7 p.m., April 21, in the Elementary School Coconut room. The public is invited to attend. Your input is always appreciated.

Tennis Courts are reserved 7-8 p.m., Wednesdays. Until April 28 for continued support of youth tennis. Parents and assistant coaches of the recent CYS Youth Tennis Program are providing continued support for interested youths and tennis practice. We appreciate the communities support with this activity as our youth would like to continue with their tennis get-togethers.

COME TO THE Ocean View Club for Karaoke at 8 p.m., Friday nights. Questions? Call Erik Wills, 53338.

A REMINDER that glass is not permitted at the beaches or in the water. Broken glass in the area is unsafe and bottles can litter the lagoon. Stay safe and be a good steward of our environment.

# Bike Safety Awareness

In preparation for the upcoming RustMan event, all USAKA residents and visitors are reminded that bicycles are the primary mode of transportation on USAKA. They must be operated in a safe and proper manner. Bicyclists must obey all traffic signs and markings just as operators of motor vehicles are required to do. At some locations, specific bicycle signs will provide traffic control guidance. Where such specific bicycle signs are not present, normal traffic signs shall apply.

All bicyclists on USAKA are encouraged to wear bike helmets and maintain their bikes in working order. All bicycles doing "lap" training around the airfield or participating in the RustMan event will wear a bicycle helmet.

All bicyclists riding their bicycles during periods of darkness will operate their bicycles in compliance with USAKA 190-5 which states, "It is recommended that a headlight or flashlight be used at all times during periods of darkness. Use of the light is required when traveling in all areas of Kwajalein south of 9th Street and along the entire perimeter unpaved road during the hours of darkness. The hours of darkness are 30 minute after sunset to 30 minutes before sunrise." In addition light color or reflective devices such as vests or belts are highly encouraged.

Each bicyclist will operate the bicycle at a speed that is reasonable and prudent under existing conditions. No bike training will be allowed in any area other than around the airfield. Always be alert for pedestrians.

## SCRABBLE

Mondays in May

Competitive Scrabble play 6-10 p.m., at the ARC, every Monday in May. For more information, call Robb, 53279.

### Café Roi

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	April 17
Barbecued ribs	Roast chicken	Sausage hoagies	Reuben sandwich	Chicken turnovers	Turkey sandwich	Chicken sandwich
Barbecued chicken	Sausage/black beans	Chicken cacciatore	Beef stew	Meatloaf	Beef Stroganoff	Boiled brisket
Eggs Parisienne	Crab cake Benedict	Lentil stew	Chickpea stir-fry	Pasta primavera	Panko fish filets	Potatoes
Tonight	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
N/A	Seafood pasta	Carved roast beef	Szechuan chicken	Grilled steaks	Fried chicken	Pork ribs your way
	Cabbage rolls	Stuffed chicken breast	Beef/potato curry	Huli huli chicken	Philly cheese steak	Turkey casserole
	Eggplant Napoleons	Pasta del giorno	Spicy tofu stir-fry	Sautéed noodles	Stuffed eggplant	Chickpea/yam stew

# Easter Egg Hunt



Photos by Dan Adler

Dozens of Kwajalein children join in the great Easter Egg Hunt sponsored by Community Activities April 4 at Emon Beach.

## Weather courtesy of RTS Weather

Sunday: Mostly sunny, 10 percent showers. Winds: NE-ENE at 13-18 knots.  
 Monday: Partly sunny, 10 percent showers. Winds: ENE at 13-18 knots.  
 Tuesday: Partly sunny, 10 percent showers. Winds: ENE at 15-20 knots.  
 Wednesday: Partly sunny, 10 percent showers. Winds: ENE at 15-20 knots.  
 Thursday: Partly sunny, 10 percent showers. Winds: ENE-E at 15-20 knots.  
 Friday: Mostly sunny, 10 percent showers. Winds: ENE at 13-18 knots.

Annual total: 10.85 inches  
 Annual deviation: -3.60 inches

Call 54700 for updated forecasts or visit [www.rts-wx.com](http://www.rts-wx.com).

	Sunrise/set	Moonrise/set	High Tide	Low Tide
Sunday	6:42 a.m./6:59 p.m.	4:07 a.m./4:22 p.m.	2:48 a.m., 3.3' 2:54 p.m., 3.7'	8:43 a.m., 0.3' 9:05 p.m., 0.0'
Monday	6:41 a.m./6:59 p.m.	4:44 a.m./5:06 p.m.	3:14 a.m., 3.8' 3:23 p.m., 3.9'	9:18 a.m., 0.0' 9:30 p.m., -0.1'
Tuesday	6:41 a.m./6:59 p.m.	5:23 a.m./5:51 p.m.	3:39 a.m., 4.1' 3:51 a.m., 4.1'	9:43 p.m., -0.3' 9:55 p.m., -0.5'
Wednesday	6:40 a.m./6:59 p.m.	6:02 a.m./6:19 p.m.	4:06 a.m., 4.4' 4:19 p.m., 4.1'	10:17 a.m., -0.5' 10:20 a.m., -0.6'
Thursday	6:40 a.m./6:59 p.m.	6:45 a.m./7:26 p.m.	4:44 a.m., 4.6' 4:47 a.m., 4.0'	10:47 a.m., -0.7' 10:47 p.m., -0.6'
Friday	6:40 a.m./6:59 p.m.	7:30 a.m./8:22 p.m.	5:01 a.m., 4.7' 5:17 p.m., 3.8'	11:18 p.m., -0.5' 11:14 p.m., -0.5'
Apr. 17	6:39 a.m./6:59 p.m.	8:20 a.m./9:18 p.m.	5:31 a.m., -0.6' 5:49 a.m., 3.6'	11:51 p.m., -0.5' 11:43 p.m., -0.1'