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THE KWAJALEIN HOURGLASS





PHOTOS BY ANNETTE MONK

COMMUNITY

SPARTAN SUMMER CAMP INSPIRES FUTURE OCEAN STEWARDS THROUGH SCIENCE, CULTURE AND INNOVATION

HOURLASS REPORT

By Annette Monk, Hourglass Story Writer

From snorkeling over vibrant coral reefs for the very first time to piloting drones, mapping islands with Google Earth and learning traditional Marshallese sailing techniques, students at the 2026 Spartan Marine Science Summer Camp experienced a summer unlike any other.

The two-week camp brought together science, technology, environmental stewardship and Marshallese cultural traditions, creating an immersive learning experience for youth ages 9 to 16. The program also welcomed support from U.S. Coast Guard Cadets, Pacific Allies volunteers, KALGOV coordinators and community leaders, all working toward a common goal: empowering

the next generation of Marshallese leaders.

The partnership behind the camp has been years in the making. In 2016, Kwajalein Mayor Hirata Kabua became the first local leader to open the door to Pacific Allies, laying the foundation for what has grown into a long-term collaboration focused on education, environmental stewardship and community resilience. Building on that momentum, Kwajalein Public School System Education Commissioner Jelton Anjain established the Spartan Summer Camp in 2017, creating a program that continues to expand opportunities for Marshallese youth.

According to KALGOV Pacific Allies Director, Dr. Gregg Nakano, this year's curriculum represents much more than a successful summer program.

"The coursework we cov-

ered this summer — including artificial intelligence, drones, Google Earth mapping, Marshallese sailing, amimono, environmental security and marine science — will become the foundation for the first Marshallese Scout merit badges," Nakano said.

That vision is part of a broader initiative to establish a year-round National Marshallese Scout Program, expanding the impact of the annual camp into an ongoing leadership and service program.

Many of this year's innovative educational opportunities were made possible through a partnership with the Pacific Islands Climate Adaptation Science Center (PICASC). Dr. Mari-Vaughn Johnson, PICASC Regional Administrator, created an Oak Ridge Institute for Science and Education (ORISE) fellowship that enabled Na-

kano to lead several emerging technology and environmental initiatives, including drone training, artificial intelligence instruction, Google Earth mapping classes and efforts to confirm local interest in proposed Coastal Scout and Marine Protected Area (MPA) programs. PICASC also stands ready to support weather- and environment-related continuity of operations initiatives prioritized by U.S. Army Garrison-Kwajalein Atoll.

Among the instructors were Coast Guard Cadets, Liliana Feyk and Taylor Schnatz, who volunteered because they were drawn to the humanitarian mission of the Coast Guard and wanted to better understand the relationship between the Republic of the Marshall Islands and the United States.

"One of the best ways to do this is to interact with the



children who live here,” they said. “We hope the students will learn about environmental science, Google Earth and marine science while seeing positive examples of U.S. service members.”

One of the camp’s greatest strengths was its ability to combine modern scientific techniques with traditional Marshallese knowledge.

Feyk and Schnatz said that approach gives students both the tools to understand today’s environmental challenges and the cultural foundation to preserve their heritage for future generations.

“This combination is powerful because many of the islands in the Marshall Islands may become uninhabitable within our lifetime,” they explained. “Teaching science alongside Marshallese culture helps preserve history while helping students understand why these resources are worth protecting.”

The instructors quickly discovered that many campers had never explored the coral reefs surrounding their own

islands.

“The most memorable interaction was taking our first Marine Science class into the water,” they recalled. “None of the kids had ever used a mask and snorkel before, so they had never even seen coral or reef fish underwater. The smiles on their faces were so big, and we considered it a magical moment.”

Those hands-on experiences became some of the camp’s most impactful lessons.

Students investigated coastal weathering and erosion along the shoreline, collected environmental observations, played educational games and explored marine ecosystems firsthand. As the week progressed, even the shyest students became active participants.

“Although they were quiet and timid in the beginning, by the third or fourth day they were fully engaged, asking so many questions,” the instructors said. “If one student struggled, another student was always there to help. Their teamwork was in-

credible.”

Beyond marine science, campers explored emerging technologies that have real-world applications across the Pacific.

Working alongside Pacific Allies and volunteer drone instructor Joshua Hadik, students learned foundational concepts in artificial intelligence, drone operations and Google Earth mapping—skills Nakano believes are among the first of their kind to be taught in the Marshall Islands, if not across the entire Compact of Free Association region.

Those technologies have practical applications ranging from environmental conservation and disaster response to protecting fisheries and supporting search and rescue operations.

“It is important for young people on Kwajalein to develop environmental stewardship because expanding knowledge leads to change,” Feyk and Schnatz said. “Learning about drones and technology can help identify illegal fishing, pollution and assist with search and rescue

efforts.”

The camp also highlighted how technology can support local communities. During their visit, the Coast Guardsmen planned to help update Google Earth Street View imagery of Ebeye, documenting community improvements and recent recovery efforts following the hotel fire.

The broader partnership extends beyond environmental education. Following the camp, volunteers joined Emergency Medical Services professionals Chico Caballero and Kayla Rebluud to provide CPR and basic first aid training, supporting Director Nathan Jacklick’s vision of having at least one CPR-trained individual in every Marshallese household while laying the groundwork for a future national emergency medical technician program.

Looking ahead, organizers envision an even larger program for 2027, marking the 10th anniversary of the KALGOV-Pacific Allies-Spartan Summer Camp partnership. Plans include establishing food security farm islands, expanding marine protected





PHOTOS BY ANJOWEST NAISHER



areas, strengthening partnerships with U.S. Army Garrison-Kwajalein Atoll and creating year-round opportunities for youth through the National Marshallese Scout Program.

For Nakano, the goal reaches far beyond a successful summer camp.

By combining Marshallese traditions with modern technology, environmental stewardship, leadership development and community service, organizers hope to equip the next generation with the knowledge and skills needed to protect their islands while preparing them to become future leaders throughout the Pacific.

As campers surfaced from their first snorkeling experience

with wide smiles and newfound curiosity, it was clear the lessons extended far beyond the classroom. They weren't simply learning about the ocean — they were discovering their connection to it and their role in protecting it for generations to come. ▴



PHOTOS BY ANNETTE MONK





Front Cover: Summer Camp Bliss by Annette Monk

Back Cover: Emon Sunset by Melissa Dethelfsen

The Kwajalein Hourglass is named for the insignia of the U.S. Army's 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 Garrison-Kwajalein Atoll.

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PHOTO BY ISAIAH MATTHEWS

COMMUNITY

HIDDEN HISTORY OF KWAJALEIN: EVERY NAME TELLS A STORY

HOURLASS REPORT

By **Isaiah Matthews**
Hourglass Story Writer

Every community leaves behind reminders of its past. Some stand as monuments. Others fill museum exhibits. On Kwajalein, many of those reminders are woven into everyday life, found on street signs, building entrances and landmarks that residents pass without a second glance.

Children walk into George Seitz Elementary School each morning without wondering who George Seitz was. Travelers arriving at Bucholz Army Airfield are usually focused on reaching their destination, not the Soldier whose name greets every visitor. Families gather at Emon Beach, bike along Lagoon Road and pick up The Kwajalein Hourglass, rarely considering the history behind those familiar names.

The names may be familiar,

but the stories behind them are often forgotten. Each one offers a glimpse into Kwajalein's past, honoring those who sacrificed during World War II, recognizing the people who helped build the community that followed and preserving the Marshallese heritage that has defined these islands for generations.

Together, they tell the story of a place shaped by war, service, resilience and a culture that stretches back centuries.

For nearly everyone who comes to Kwajalein, the journey begins at Bucholz Army Airfield. Whether arriving for a temporary assignment, a permanent move or a brief visit, every passenger passes beneath a name that quietly commemorates one of the island's wartime heroes.

The airfield is named in honor of Pfc. Fred Henry Bucholz, a Soldier with the U.S. Army's 7th Infantry Division

who was killed during Operation Flintlock in the battle for Kwajalein Island. More than two decades later, on Memorial Day 1967, the airfield was officially dedicated in his memory. Today, thousands of travelers pass through its terminal each year, many unaware that the first landmark they encounter also serves as a lasting memorial to a Soldier who gave his life during the campaign that changed the island forever.

The names found across Kwajalein do more than remember the past. They also tell the story of rebuilding.

George Seitz Elementary School is named for Commodore George A. Seitz, who served as the island's chief military government officer from December 1946 through December 1947. His tenure came during the difficult transition from wartime occupation to peacetime development, when military

leaders faced the challenge of transforming a battle-scarred island into a functioning installation capable of supporting future missions.

The school bearing his name stands as a reminder that communities are built not only through military operations, but through education, planning and the people willing to invest in what comes after conflict.

Not every name on Kwajalein belongs to a Soldier or military leader.

The Grace Sherwood Library honors Grace Sherwood, the Rhode Island state librarian whose generous donation of books formed the foundation of the island's library collection. Her contribution helped establish a place where residents could learn, study and gather, proving that building a community requires more than roads and buildings. It also requires opportunities for education

and lifelong learning.

Her story serves as a reminder that lasting contributions are not always measured in concrete or steel. Sometimes they are measured in knowledge shared with future generations.

Long before military installations, airfields or schools existed, these islands already had names.

One of the best-known examples is Emon Beach, whose name comes from the Marshallese word emon, meaning “good.” It is a simple name, yet it reflects the language and traditions of the Marshallese people, whose history on the atoll reaches back centuries before World War II.

Even the name Kwajalein has multiple historical in-

terpretations. Installation histories have described it as referring to abundant material and spiritual blessings, while Marshallese traditions have connected the name to Ri-ruk-jan-leen, commonly translated as “the people who harvest the flowers.” Though the explanations differ, both reflect a history far older than the military installation familiar to today’s residents.

These names remind visitors that Kwajalein’s story did not begin in 1944. It began long before, shaped by generations of Marshallese families whose connection to these islands continues today.

Residents often refer to the installation newspaper simply as The Hourglass, but its title carries its own piece of history.

The newspaper takes its name from the distinctive hourglass-shaped shoulder insignia of the U.S. Army’s 7th Infantry Division, the division that fought during Operation Flintlock liberating Kwajalein island from Japan. What has become a familiar publication title is also a tribute to the Soldiers whose actions became part of the island’s history.

History is often imagined as something preserved behind glass or tucked away in archives. On Kwajalein, much of it is encountered every day.

A child walking into school, a family heading to the beach, an airplane touching down or someone picking up the weekly newspaper all pass names that connect the present with the past. They

honor sacrifice, recognize leadership, preserve Marshallese culture and celebrate the people who helped shape the community residents know today.

The signs themselves may be ordinary. The stories behind them are anything but.

The signs scattered across Kwajalein were never meant to be history lessons. Their purpose is simply to help people find their way. Yet, taken together, they tell the story of an island shaped by sacrifice, service, resilience and culture.

For decades, those stories have been waiting in plain sight, quietly reminding everyone who passes that every name has a history worth remembering. X





📷 COURTESY PHOTO FROM WAAN AELON IN MAJEL

COMMUNITY

WAAN'S LIFELINE: CARVING OUT A SECOND CHANCE

One of the Marshall Islands' largest nonprofits revives a seafaring tradition that once linked Kwajalein and other atolls – and gives young people with closed doors a way forward.

HOURLASS REPORT

By **Anthony Carnelli**,
Hourglass Story Writer

At Waan Aelōñ in Majel (WAM) or “Canoes of the Marshall Islands,” the canoe is not the final product. It is the doorway.

For nearly three decades, the Majuro-based nonprofit, also simply known as WAM has used traditional Marshallese canoe-building to reconnect young people with culture, teach hands-on skills and help them find a route back toward school, work and purpose.

The Highway Between Atolls

WAM is based in Majuro, in the Ratak Chain, about 300 miles east of Kwajalein.

But the tradition it is helping revive — and the young people it serves — extend across the Republic of the Marshall Islands.

Students from Kwajalein Atoll have also participated in WAM's programs, giving the organization a direct connection to communities in the Ralik Chain.

For generations, Marshallese canoes connected distant atolls through a seafaring network built on navigation, discipline and cultural knowledge. Today, WAM treats that tradition not as a relic, but as a living classroom — one that still has something to offer young people whose paths have been interrupted.

That modern connection echoes a much older one.

Long before the atoll became known for advanced military and space operations, its waters were part of a Marshallese navigation network in which lagoons functioned less like boundaries than like highways between distant communities.

At the center of that network was the Marshallese outrigger canoe, a narrow sailing vessel built to cross open water. Traditionally carved from breadfruit wood, lashed together with coconut-fiber rope and powered by woven sails, it carried navigators who read the stars, waves, birds and swell patterns long before GPS or engines. The canoe was more than transportation; it was a classroom, a lifeline and a vessel for carrying knowledge

across islands and generations.

When the Canoe Became a Classroom

That idea — the canoe as a classroom — stayed with Alson Kelen, WAM's executive director.

Kelen said the program began during a cultural documentation project on an outer island, where he noticed teenagers who were no longer in school. Some had failed exams. Others had dropped out. Many had few options beyond making copra — drying coconut meat for sale.

During the project, the group built and sailed a 40-foot voyaging canoe. For many of the teenagers, Kelen said, it was the first one they had ever seen.

That older role of the canoe

became the key to WAM's modern mission — one that could still teach discipline, identity and skills to young people.

When the project ended, Kelen was asked what he would do next. He said he would return to Majuro and start his own school. It was easier said than done.

"When we got here, we worked as volunteers for three years," he said. Kelen kept the canoes going with broken wood and dried-up glue scrounged from local stores. The turning point came when an Australian ambassador asked to sail in one of them. He listened to Kelen's story for three hours and made an offer: \$10,000, if Kelen would put the idea in writing.

As the program grew, funders began asking a harder question: What happened to the students after they learned to build canoes?

That question pushed WAM from an informal cultural program into a more structured pathway for education and employment. Kelen said the program began pairing canoe-building with classroom support, helping students who were far behind in school rebuild toward a



PHOTOS BY ANTHONY CARNELLI

high school equivalency credential, such as a GED.

Three Ways Forward

The result is a program that is part canoe-building house, part classroom and part vocational bridge.

"The focus of this program is kids who do not have any other opportunities — kids where all the doors are closed," Kelen said.

"Today, we provide three ways out of this place: get a

GED, go to advanced training for a vocation, or get a job," Kelen said.

For students ready to enter the workforce, WAM staff help them take the first steps toward employment. "For kids who want to get a job, we help with applications and make sure they get their first interview. We even go with them," Kelen said.

WAM has also sent young people to Taiwan and other

parts of the Pacific for advanced training, extending the program's reach.

A Way Back In

But for many students, the first step is not across the Pacific. It is simply getting back onto a path that school, poverty or paperwork may have interrupted.

The barriers can be steep. Some students arrive with only a few years of schooling. Others need help establishing basic paperwork before they can enroll.

Even something as simple as a birth date can become a barrier. Kelen said many parents did not know their children's exact birth dates, so a number of students ended up sharing his own.

WAM's support also extends beyond academics and canoe-building. Most staff members have become certified behavioral counselors, Kelen said, and each signs a child protection policy every year. The program also provides lunch, removing another daily obstacle for students who may suffer from food insecurity.

The clearest evidence is in the students who leave the canoe house with a credential, a job interview or a rea-





ABOVE: Alson Kelen, founder of the non-profit Waan Aelon in Majel, speaks to visiting students, walking them through the traditional craftsmanship and cultural significance behind building Marshallese outrigger voyaging canoes.

son to keep going.

From Struggle To Purpose

For former WAM student John Aine, those closed doors were personal.

Before entering the program, Aine had dropped out of school and was struggling to find direction. Although he had a job in Majuro, he said it did not pay enough to live on. He was also struggling with alcohol and marijuana use and described his life at the time as “miserable.”

“I came to WAM to make a change in my life,” Aine said.

At WAM, he participated in life-skills exercises, attended classes and strengthened his literacy and math skills. He also credited the program’s counselors with helping him begin rebuilding his life.

That progress continued beyond the canoe house. Aine later joined the Life Skills Academy in Majuro and spent several years working his way up to assistant director.

ferent future.

Proof Beyond the Canoe House

Aine’s story is one measure of WAM’s reach. A recent class produced 33 graduates, about 90% of whom moved on to the College of the Marshall Islands to work toward a GED.

On a recent trip to Washington state, Kelen said, he met other former WAM students who had built new lives on the U.S. mainland. “Some are welders. Some are working at airlines,” he said. “They are doing something.”

For Kelen, the arithmetic is simple. “To me, changing one person’s life is enough,” he said. “But if you change thousands of kids’ lives, that’s a lot.”

Modernized, Not Westernized

Kelen also feels none of this requires trading away one’s Marshallese identity. “I always tell people the Marshall Islands are one of the richest countries in the world because of three things,” he said: wind, sun and ocean. “We call ourselves ocean people.”

“People talk about getting a yacht or a ship,” he said. “But remember, our ancestors lived on these islands.

The solution has always been here. There’s nowhere else. The solution is here.”

Kelen frames that self-reliance as part of the Marshall Islands’ future, not just its past. “The more we focus on what is available and teach the kids, the more they will grow up and become engineers in sustainable alternative energy,” he said — citing his own daughter who recently earned a bachelor’s degree in energy engineering.

“God built us this way,” Kelen said. “We may not build ships. We may not build planes. But we can build systems — a sustainable lifestyle that fits these oceans and these small islands.”

It is a message he sums up in a single line that has become the heart of WAM’s work: “We don’t have to be Westernized. We can be modernized.”

That same philosophy extends to transportation. With fuel on the outer islands reaching nearly \$20 a gallon, WAM also builds small sailing vessels and sends them out for free.

“One of the projects we’re doing right now is building these yellow boats with kids and sending them to the outer islands, so people can use



them for lagoon transportation,” Kelen said.

Even the materials reflect WAM’s ethic of self-reliance. When development and erosion claim breadfruit trees, WAM salvages logs that would otherwise be burned,

uses them for future canoes, then reinforces the traditional wood with marine plywood and fiberglass so the vessels last.

That same ethic is shaping the campus itself. New buildings are being fitted for so-

lar power, extending WAM’s message of sustainability beyond the canoe house.

The canoe, in the end, is only the doorway. What young people at WAM are really building is a future for themselves, their culture and

their country.



COURTESY PHOTOS FROM WAAN AELON IN MAJEL





PHOTOS BY CYS STAFF

COMMUNITY

MORE THAN CHILDCARE: HOW THE CHILD DEVELOPMENT CENTER PREPARES CHILDREN FOR LIFELONG SUCCESS

HOURLASS REPORT

By Christy Wagon,
Hourglass Story Writer

When many people hear the words daycare or childcare, they picture a safe place where children spend the day while their parents are at work. The USAG Kwajalein Atoll Children and Youth Services Child Development Center (CDC) is something entirely different.

Every classroom, every activity, every routine, and every interaction is intentionally designed to help children build the skills they'll need for kindergarten, and for life. From the moment an infant arrives until a Pre-K student graduates, the focus isn't simply caring for children; it's helping them become curious, confident, independent learners.

As Children and Youth Ser-

vices (CYS) prepares for the 2026-2027 school year, now is the perfect time for families to discover what makes the CDC so much more than childcare.

Serving children 6 weeks through 5 years of age, the CDC offers flexible schedules ranging from one half-day each week to five full days, with programs operating Tuesday through Saturday from 7:00 a.m. to 5:30 p.m. Whether you're looking for full-time care or simply want your child to benefit from a high-quality early learning environment one morning each week, there's a program designed to meet your family's needs. The new school year begins August 11, 2026.

If you've ever thought, "My baby is too little to benefit from preschool," think again. The first three years of life are when the brain develops faster than at any other time.

Every conversation, every song, every story, every smile, and every new experience help build the connections children will use for the rest of their lives. That's why our Infant and Toddler classroom (Baru) is intentionally designed to do so much more than provide care.

Even attending one morning each week gives children opportunities to hear new language, explore new materials, solve simple problems, build relationships with caring adults, and, just as importantly, begin learning alongside other children.

Babies and toddlers learn by watching each other, imitating one another, communicating, sharing experiences, and exploring the world together. Those early social interactions help develop confidence, communication skills, empathy, and independence long before children enter

preschool.

For families considering a half-day schedule, mornings provide the greatest variety of planned learning experiences. Afternoons include an extended nap followed by enrichment activities as children wake, making mornings the ideal choice for children attending part-time.

If you ask almost any family what their child's favorite activity is, chances are they'll say Saturday morning water play. It may look like splashing and having fun, and it absolutely is, but children are also developing coordination, sensory awareness, confidence, early science concepts, and motor skills while making memories they'll talk about all week.

Every day is intentionally planned to expose children to a variety of learning experiences, from early literacy and STEM to art, music, dramat-



ic play, outdoor exploration, physical fitness, character development, and social-emotional learning. Guided by Army Child and Youth Program standards and the nationally recognized Teaching Strategies Creative Curriculum, children build the skills, confidence, curiosity, and independence that prepare them for kindergarten and beyond.

According to CDC Supervisor Katy Hensley, every classroom is designed around the children in it. "At the CDC, every age group follows a curriculum specifically designed for their stage of development through Teaching Strategies. Lead teachers create and adjust daily schedules based on each child's developmental level, interests, and individual needs." In other words, children aren't expected to fit the lesson, the lesson is designed to fit the child.

As children grow into preschool and Pre-K (Bako), mornings emphasize literacy, math, science, language, and critical thinking through hands-on learning and pur-

poseful play. Afternoons expand on those skills with art, music, STEM, dramatic play, outdoor exploration, gross motor activities, and community field trips to places like the library, pool, and bowling center.

But some of the most important learning doesn't happen during circle time.

One of the best examples of intentional child development happens during meals. Instead of adults serving every plate, children practice scooping their own food, pouring their own milk or water, making healthy choices, cleaning up after themselves, and sitting down together for family-style dining. To a visitor, it may look like lunch. To an early childhood educator, it's a lesson in fine motor development, independence, responsibility, patience, conversation, confidence, and social skills, all rolled into one meal. That's what makes the CDC different. Children aren't just playing or eating. They're learning all day long.

"Safety is always our first priority, but our role goes far

beyond providing a safe place for children while parents are at work," Hensley said.

One of the CDC's greatest priorities is helping children develop socially and emotionally. Teachers help children recognize emotions, solve problems, build friendships, cooperate with others, and develop confidence. If a classroom needs additional support with sharing, kindness, or emotional regulation, teachers adjust activities because children's needs, not a rigid lesson plan, come first.

"The friendships, independence, confidence, and love of learning children develop here are just as important as learning letters and numbers," Hensley said. "Our goal is to create a strong foundation that prepares children not only for kindergarten, but for lifelong learning and positive relationships."

Parents are an important part of that process. Families receive regular communication, photos throughout the day, and opportunities to volunteer in the classroom. Parent-teacher conferences are held twice a year, in the fall and spring, giving families dedicated time to discuss their child's progress, celebrate milestones, and learn more about their child's development. When parents and teachers work together, children thrive.

Parents can also feel confident knowing the CDC recently passed its National Association for the Education

of Young Children (NAEYC) accreditation with flying colors and is a CLASS® Certified program, reflecting its commitment to high-quality teaching and meaningful teacher-child interactions.

Families whose children are enrolled in the Strong Beginnings Pre-K program five mornings per week are eligible to participate in the annual Pre-K Graduation ceremony. To qualify, children must be 4 years old by September 1, 2026. Children enrolled only in afternoon programming or part-time schedules are not eligible to participate.

Enrollment for the 2026-2027 school year is now open. Program fees vary based on family income and enrollment schedule. To learn more or register, contact Central Registration at 480-2158, or stop by during our normal business hours.

At the Child Development Center, children aren't simply spending the day, they're building the foundation for everything that comes next. Every story, every science experiment, every conversation, every field trip, every family-style meal, and every splash during Saturday morning water play is another opportunity to learn, grow, and become confident, capable learners.

That's what makes the Child Development Center much more than childcare, it's an investment in your child's future. ▾





PHOTOS BY ANNETTE MONK

COMMUNITY

CPR TRAINING BUILDS LIFESAVING SKILLS AND STRENGTHENS HEALTHCARE VISION ON EBEYE

HOURLASS REPORT

By Annette Monk, Hourglass Story Writer

Eighty-six Ebeye residents are now better equipped to respond when every second matters, thanks to a week-long CPR and Basic First Aid training that marks an important milestone in strengthening emergency medical preparedness across the Marshall Islands.

The training, led by American Heart Association-certified instructors Chico Caballero and Kayla Rebluud, introduced 86 participants across nine classes including 40 officials, and 25 children to CPR for the first time. Participants learned how to recognize the signs of cardiac arrest, assess an emergency scene, activate emergency medical services, perform high-quality CPR, and use an

automated external defibrillator (AED).

The effort supports Ebeye Hospital Director Nathan Jacklick's vision of ensuring that every household has at least one person trained in CPR and Basic First Aid, creating a community where bystanders can confidently respond during the critical minutes before medical professionals arrive. Nathan Jacklick is a prominent community leader on Ebeye best known for serving as the Branch Coordinator and Manager for the Marshall Islands Red Cross Society. In his role, he frequently spearheads disaster preparedness, community health initiatives, and public awareness campaigns on the island.

"Our vision is simple but powerful," Jacklick said. "If every household has at least one person trained in CPR and Basic First Aid, we can

dramatically improve our community's ability to respond to emergencies before medical professionals arrive. Those first few minutes often determine whether someone survives, and empowering our residents with these skills is one of the best investments we can make in the health and safety of the Marshall Islands."

"Every minute counts during a cardiac emergency," Caballero told participants as the training began. "We're teaching simple skills that can make the difference between life and death."

Caballero introduced Rebluud as the course's primary instructor, recognizing her experience developing emergency medical training throughout the Pacific.

"Our leadership wanted an expert, and Kayla is that expert," Caballero said. "She's here to share that knowledge

with all of you."

Throughout the week, participants alternated between classroom instruction and hands-on practice using CPR mannequins while receiving individual coaching from instructors and volunteers. Training assistants included members of the U.S. Coast Guard, Pacific Allies and the College of the Marshall Islands, whose support allowed each participant to gain practical experience performing lifesaving techniques.

Rebluud emphasized that CPR is a skill anyone can learn.

"You don't need a medical degree to save a life — just two hands and the willingness to act," she told the class. "If you have any questions, please ask. We're here to help you learn."

Using the American Heart Association's Heartsaver curriculum, participants prac-



ticed checking that a scene is safe, determining responsiveness, assessing breathing, calling for emergency assistance and beginning CPR immediately when necessary.

The course reinforced a simple but powerful message: cardiac arrest can happen to anyone, anywhere. Quick action from a trained bystander can dramatically improve a person's chance of survival while emergency responders are on the way.

Hospital leaders say the training is about much more than earning a completion certificate.

It represents another step toward building a stronger emergency response system for the Republic of the Marshall Islands and aligns with Director Jacklick's long-term goal of creating a community prepared to respond to medical emergencies at home, at work and in public spaces.

The program also lays the groundwork for an even broader initiative: establish-

ing a national Emergency Medical Technician (EMT) program in the Marshall Islands.

Caballero and Reblud previously helped establish a national EMT program in Palau before the COVID-19 pandemic, providing a successful model for developing emergency medical services in island nations.

Hospital officials also thanked the U.S. Coast Guard, Pacific Allies, the College of the Marshall Islands and the many volunteers whose partnership made the training possible. Their collaboration reflects a shared commitment to strengthening emergency preparedness and expanding lifesaving education throughout the region.

Looking ahead, Caballero said this week's training is only the beginning.

"Our goal is to come back next year and continue building local capacity," Caballero said. "We want to train in-

structors who can teach others and work alongside local leaders to begin developing a sustainable EMT program for the Marshall Islands. The long-term success of this effort depends on empowering Marshallese men and women to become the next generation of emergency responders."

For many participants, the course was their first experience performing CPR. By the end of the week, they left with practical skills, increased confidence and the

knowledge that one day they may be the person who makes the difference between life and death.

As Ebeye continues expanding healthcare education and emergency preparedness, leaders hope this training will be remembered not only as the first of many CPR courses, but as the beginning of a larger movement to build lifesaving capacity — one trained resident, one household and one community at a time. ▾





PHOTO ILLUSTRATION

COMMUNITY

HOURLASS REPORT

By **Anthony Carnelli**,
Hourglass Story Writer

For Dina Medeiros, stepping into the role of Kwajalein Morale Welfare & Recreation's (MWR) newest events coordinator brings together professional experience and a personal connection to the island. Before joining MWR, she owned a karaoke business, worked as a mobile DJ and karaoke host, and performed as a professional musician.

That background now helps Medeiros support and promote recreational events across Kwajalein. Her connection to the community, however, began long before she joined the MWR team. Medeiros lived on Kwajalein from ages 8 to 15 while her father worked for MIT on Roi-Namur, and she still remembers events such as the annual Shaving Cream Social as highlights of her childhood.

Now back on the island, Medeiros is helping create

and promote the kinds of community experiences she once enjoyed herself. Her day-to-day work centers on MWR's steady calendar of activities, including monthly events at the Ocean View, weekend movies at 7:30 p.m. at the Yuk Theater and recurring training opportunities.

Boat Captain Class

Due to increased attendance, MWR's boat captain license class will now be offered once a month on Kwajalein and every other month on Roi-Namur. Cliff Pryor serves as the course instructor. The course is required for residents who want to operate rental boats through the Small Boat Marina.

The two-day course begins with classroom instruction on the first day, followed by a visit to the Small Boat Marina, where participants become familiar with the boats, marina procedures and the rental process. Participants return on the second day to take the written examination.

Those who pass the written test become eligible to schedule their practical on-the-water

evaluation. The practical test is conducted separately and is not included as part of the two scheduled class days.

The class costs \$40, paid at sign-up through the Small Boat Marina. Dates for upcoming Kwajalein and Roi-Namur sessions will be announced through MWR.

Fitness With Zo

Residents looking to improve their fitness or meet new people can take part in classes led by instructor Alonzo Martin, who goes by Zo. Classes are held in CRC Room 7 and are designed to accommodate a range of fitness levels.

Weekly class schedule

- **Full-Body and Functional Training:** Tuesdays and Saturdays at 10 a.m. and 6:30 p.m.

- **AB Class:** Thursdays at 10 a.m. and 6:30 p.m.

Fitness pass options

- **Annual pass:** Unlimited classes for one year from the date of purchase — \$125

- **Six-month pass:** Unlimited classes for six months from the date of purchase — \$75

- **Punch pass:** Eight classes to be used within 60 days of purchase — \$25

- **Day pass:** Admission to one class with no expiration date — \$5

Fitness passes should be purchased and paid for at the library before attending a class.

However, anyone who has not had an opportunity to visit the library may purchase a \$5 day pass with cash at the class and participate that day.

Fitness instructor Hannah Wheeldon is also expected to add more classes, with details and schedules to be announced.

App And CPR Updates

A couple practical updates round things out:

Boat reservations are now available through the MWR app, using the same system as golf cart reservations.

Residents may have only one active boat reservation at a time, and the same person or boat captain may not reserve both the morning and afternoon boat slots. The captain must complete the entire reservation — includ-

ing taking the boat out and returning it — before making another.

For example, someone could not reserve a boat today for both Friday and Saturday. The person would first need to complete Friday's reservation before attempting to reserve a boat for Saturday, provided one is still available.

The policy helps ensure all residents have a fair opportunity to reserve a boat by preventing individuals from blocking multiple dates or time slots in advance.

- A **basic CPR** certification course will be offered Wednesday, July 29, in CRC Room 6 – taught by Cliff Pryor. Participants may choose

from two class times:

- **Morning session:** 8:30 to 11:30 a.m.

- **Afternoon session:** 1 to 4 p.m.

Advance registration is required. To register, email cliff.ford.pryor@gov2x.com.

Medeiros said some employees may be able to attend at no cost, or have it count toward work hours if it's job-related training, though she recommends checking with a supervisor.

Looking Ahead

Soccer season is the biggest event on MWR's upcoming calendar. Registration opened July 21 and the deadline is Aug 5. The season is scheduled to begin in

mid-August.

Soccer season details:

- **Leagues:** Men's league and women's league

- **Registration fee:** \$100 per team

- **Expected registration deadline:** Aug. 5

- **Season start:** Aug. 18

Events On The Horizon:

- **Karaoke** is held on the first and third Saturday of the month at the Oceanview - the alternate Saturdays are typically themed and vary from month to month.

- **Quizzo** is always held on the second Sunday of each month at Oceanview — Returning in August with themes including "Everything '80s," rock 'n' roll and

television shows.

- **Labor Day:** Expected to bring MWR's next major islandwide event in September.

From new fitness classes and safety training to sports leagues and themed events, MWR continues to give Kwajalein residents opportunities to stay active, learn new skills and connect with the community.

***Roi-Namur MWR** maintains a separate calendar of events and activities for the Roi community. Residents can find the latest schedule and announcements through the **RoiMWR** Facebook group.*

For more information
call 480-3331

2026 SOCCER SEASON

**REGISTRATION NOW OPEN
UNTIL AUGUST 5TH**

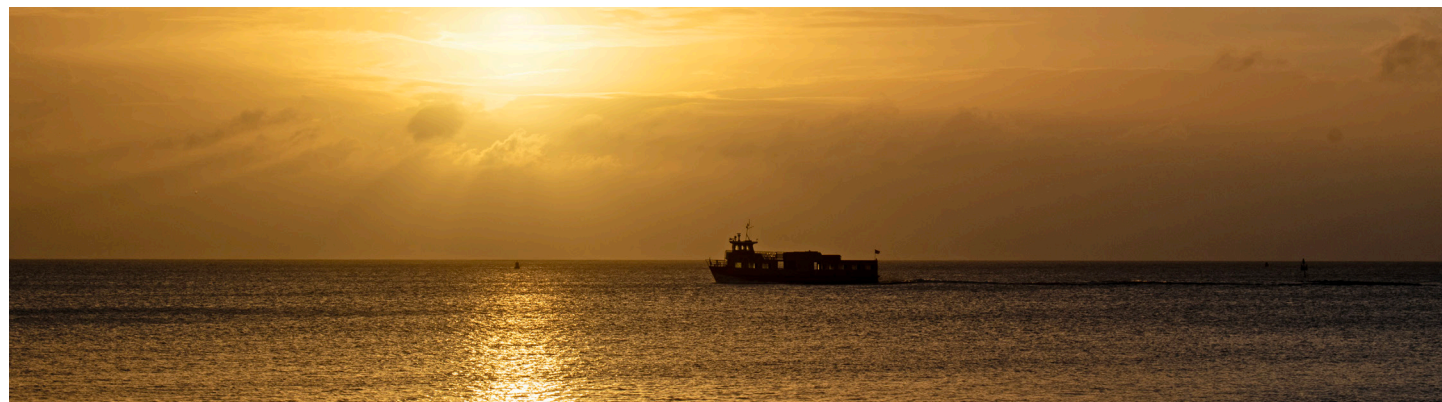
AT GRACE SHERWOOD LIBRARY

**SEASON BEGINS
AUGUST 18**

MEN'S LEAGUE & WOMEN'S LEAGUE

 KWAJALEIN COMMUNITY SPORTS





ROI PUBLIC NOTICE: UXO CLEARANCE OPERATIONS

DATES: MAY - NOV 2026

The UXO Clearance Team will conduct daytime intrusive excavation operations in support of the DP2026-35 UXO Clearance Roi LSA South.

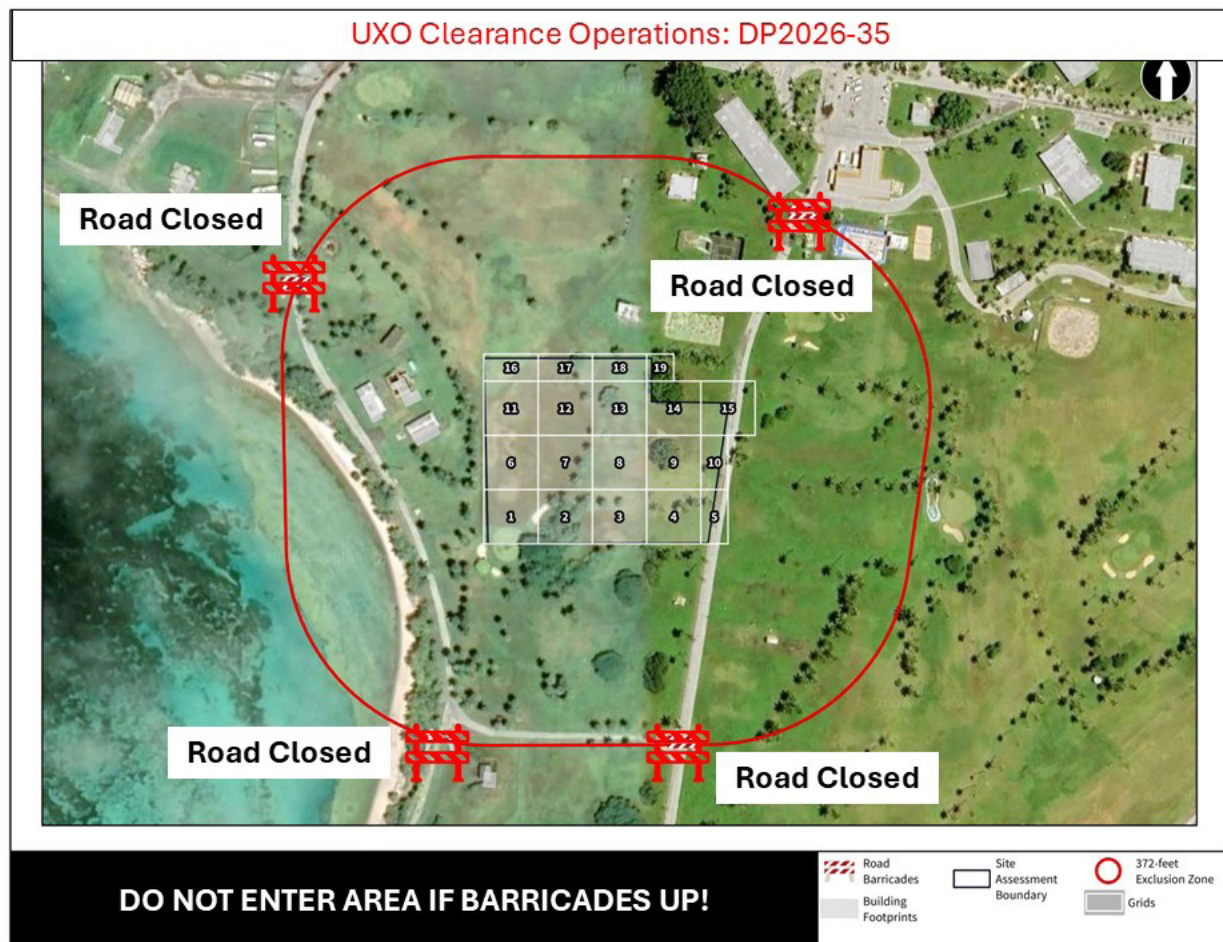
Daily operations: 6:00 AM – 4:30 PM

Schedule: Sunday – Thursday until project completion

Safety Notice:

During these periods, the designated exclusion zone (see accompanying map) will be strictly off-limits to all personnel. Road barricades will mark restricted access points. For your safety: Do not enter or cross any barricaded areas during the specified time frames. Follow all posted signage and instructions from safety personnel. We appreciate your cooperation in maintaining a safe work environment.

Emergency Services can come through exclusion zone, blast horn to notify UXO team.



Water Source

The U.S. Army Garrison - Kwajalein Atoll (USAG-KA) operates drinking water systems on Kwajalein, Roi-Namur, and Meck Islands. Collected & treated rainfall accounts for the majority of the water supplied in all three systems. Additionally, Kwajalein and Roi-Namur have extensive groundwater well systems to supplement the water supply during periods of low rainfall or drought. When necessary, Kwajalein can barge treated water to the other islands, supplementing their drinking water supplies.

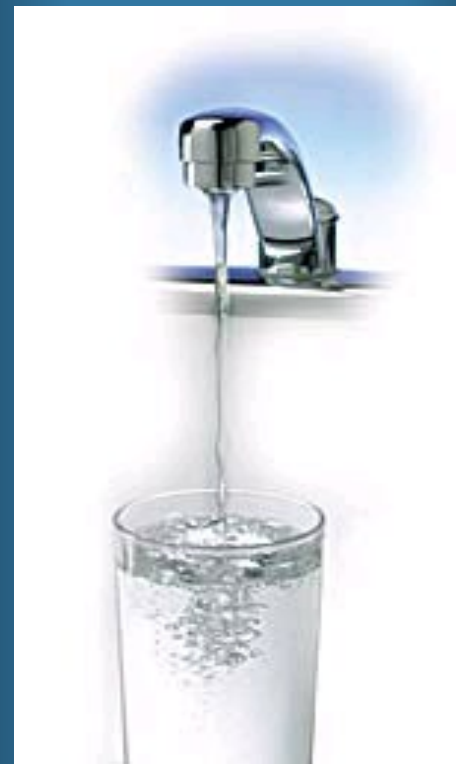
Rainwater is the preferred source of water due to its purity and ease of collection. Kwajalein Atoll averages more than 100 inches of rain a year. The runway and aircraft taxiways on Kwajalein, Roi-Namur and Meck are sloped to drain toward collection sumps that pump raw rainwater to storage tanks for treatment. Rain that falls on the island, but is not collected or diverted to storm drains, percolates through the coral sands of the islands and forms a thin layer (or lens) of fresh water floating atop the saltwater which flows through the islands. The lens is less than 10 feet below the surface. This water is tapped by unique horizontal wells called lens wells that are installed in the centers of both Kwajalein and Roi-Namur Islands where the lens is thickest. The lens well water is pumped and filtered by a Reverse Osmosis (RO) system. Following a 2008 storm event and the resulting saltwater infiltration to the freshwater lens, USAG-KA installed the RO filter on Roi-Namur. This unit makes it possible to treat water with high salinity. Four additional lens wells were installed on Roi-Namur in 2012 and 2013. Baseline monitoring for these wells began in 2014 and finished in 2017.

Granular Activated Carbon (GAC) filtration units are used on Roi-Namur and Meck to filter treated water before it enters the distribution system. A similar unit was installed on Kwajalein in February 2021. All three of the USAG-KA drinking water systems use direct filtration processes to remove harmful particles, dirt, and algae from the water. Kwajalein, Roi-Namur, and Meck installed advanced filtration plants in 1990, 1996, and 2001, respectively. These automated filtration plants employ enhanced mixing, flocculation, and turbidity removal in absorption clarifiers followed by mixed media filters. The turbidity, or cloudiness, of the water entering the plants is monitored continuously and treatment chemicals are adjusted automatically to provide maximum filtering. Following filtration, the water is disinfected with chlorine and placed in covered tanks called 'clearwells' where it is pumped to the distribution system based on consumer demand. Fluoride is added to the treated water on Kwajalein to promote dental health.

The rainwater catchments and the shallow freshwater lens are very sensitive to contamination from spills. Because of this, tight restrictions are placed on airfield activities and a spill prevention program is in place to avoid contamination. Potential sources of contamination are fuel spills from aircraft and vehicles, leaks from sewage lines or septic tanks, and improper management of hazardous materials, wastes, and petroleum products.

ENGLISH U.S. Army Garrison Kwajalein Atoll

2025 Water Quality Report



**Published by
V2X
for U.S. Army Garrison
Kwajalein Atoll
June 2026**

The 2025 Water Quality Report is published in accordance with the USAKA Environmental Standards, which establishes drinking water criteria and requires suppliers to provide drinking water quality information to their customers. It is important that our customers know all the facts about USAG-KA's drinking water. This report, issued each year, includes test results, source water descriptions, an overview of the treatment process and other valuable information relating to the quality of our installation's drinking water supply. If you have any questions regarding this report or your drinking water, contact the Liquid Systems Manager, Stan Jazwinski at 480-4400, or Environmental at 480-0722.

EWOR UKOK IN REPORT IN ILO KAJIN MAJOL (Notice to all Marshallese):

Naan in jiron kein rej kwalok melele ko raurok kin dren in idrak eo ilo USAG-KA in. Ewor ukok in report in ilo kajin majol. Kir lok Environmental Department eo ilo 480-0722 kin melele ko relap lok.

We are pleased to report the drinking water provided by USAG-KA consistently meets or exceeds the established water quality standards (with exceptions noted on the following page) and is, therefore, safe for consumption.

The Utilities Department collects over 10,000 samples annually to ensure water quality. Drinking water regulations require all public water supply systems to test for a variety of contaminants in drinking water. For many of the contaminants, the U.S. Environmental Protection Agency (EPA) has set enforceable standards for the maximum amount of contaminants allowed in drinking water. These standards are based on possible health effects of consuming the water. The standards are known as maximum contaminant levels (MCLs) and are published as national primary drinking water regulations.

MCLs are set at levels where no significant health effects would occur if water was consumed for an entire lifetime. In other words, a person would have to drink 2 liters of water every day at the MCL for a lifetime to have a one-in-a-million increase in the chance of having the described health effect. MCLs are set by the EPA, and then adopted by USAG-KA through the USAKA Environmental Standards (UES). The UES adopts MCL standards at least as stringent as EPA, and in some cases it has adopted more stringent standards. The UES requires USAG-KA to sample as if the size of the served community was 10,000 people. This increased sampling helps to further ensure safe drinking water.

The EPA and the UES also set Action Levels (AL). An AL is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements for water systems. Examples of contaminants subject to an AL include Lead and Copper.

Water served by USAG-KA is tested by the Utilities Department, the Kwajalein Hospital, and by the Defense Centers for Public Health in Aberdeen, Maryland. Also, routine examinations of treatment plant performance are conducted, the distribution systems are routinely tested, and groundwater is tested for saltwater intrusion (which helps manage the thin groundwater lens by protecting it from being mixed with the saltwater on which it floats).

The Utilities Department works hard to provide top quality water to every tap. Please help us protect our water sources by using good water conservation practices and by using effective spill prevention.



Reverse Osmosis



Granulated
Activated Carbon
Filters

Ia Eo Ej Itok Dren Jen E

Dren in idrak eo ion USAG-KA in ej itok jen dren in wot eo emoj ae ion Kwajalein, Roi-Namur, im Meck. Drenin wot ko emoj ae, wunoiki, im kebooje nan aer jerbal ilo ene kein jilu. Ilo ien mora ak anonean, ewor aiboj lal ko relap ilo Kwajalein im Roi Namur im rej kojerbali non ien rot kein. Ilo ien aikuj, Kwajalein emaron bar kanne barge kin drenin drak im jilkinlok nan aeto ko jet rej aikuji.

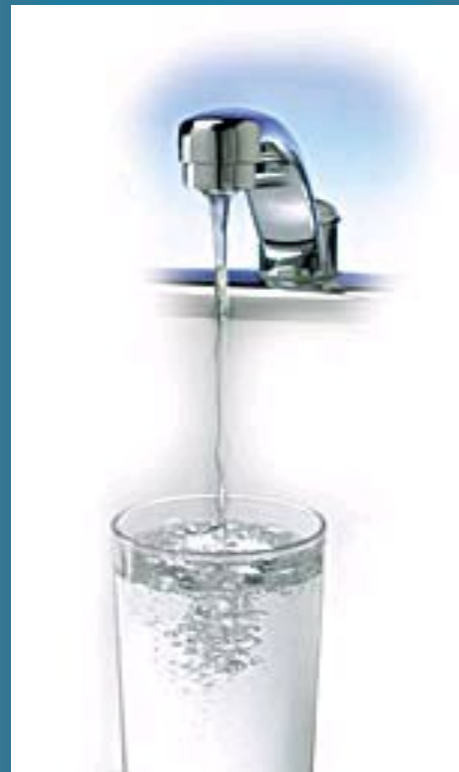
Dren in wot ej dren eo eman tata nan kojerbal ilo USAG-KA itok wot jen an bidodo ae im erre. Ilo juon yio, Kwajalein ej loe tarin 100 inij in wot. Jikin jook an baluun ilo Kwaj, Roi-Namur im Meik rej rejbal nan ae dren in wot. Jen ijon, dren in ej pump lok non tank kan im kottar non ien liklik im komat. Jabdrewot dren in wot ko rejjab collect ilo jikin jook ko an baluun, im rejjab bar drebdreb ilo storm drain ko, rej drebil lok im pepe ion dren in salt, eo ej peddejake aolepen enne kein. Dren in ej drebdreb ilo jikin ko naeter lens well, ko emoj likiti ilo iolap in Kwajalein im Roi-Namur. Lens well kein rej pump jeni im kojerbal kein liklik ak reverse osmosis. Emoj kelaak reverse osmosis ilo Roi-Namur ilo 2008 elkin kar koto im ekar koman an dren in salt drelon ilo lens well ko. Unit in ekoman an bidodo aer treat i dren ko im elap aer salt. Rekar bar kob 4 aiboj lal ilo Roi Namur ilo 2012 im 2013. Jerbal in etale im bukot jonak ko rej aikuj loori (baseline monitoring) renaj jino koman ilo aiboj lal kein ilo 2014 im kotmene bwe en bojrak ilo 2017.

Filter unit ko ak kein drebdreb etoon ko naetan Granular Activated Carbon (GAC) rej jerbal ion Roi-Namur im Meck nan bour etton ko ilo dren eo mokta jen an etal nan jikin komman dren eo. Ewor juon unit kaal emoj kolaake ilo Kwajalein February 2021. Aolep jikin koman dren kein jilu ilo USAG-KA rej kojerbal jokjok in likilik dren eo rej nae etan direct filtration process nan karreoki dren jen etoon im kij ko. Rekar kelaak kein liklik dren ilo enne kein ilo: Kwajalein 1990; Roi-Namur 1996; im Meck 2001. Kein liklik dren in idrak eo ej karreo im kojerbal jerajko non mane kij im jabdrewot etoon ko ie mokta jen likiti ilo tank ko naetaer "clearwells", ijo rej bed ie non tore eo jej aikuji. Rej bar kobaik fluoride nan dren nan kakajoor ni.

Ijoko rej ae dren in wot im aiboj lal rejjab mulal (rejjab mulal lak jen 10 ne) rebidodo an kare dren eo ne elon lutok. Emenin aurok bwe en wor buntan ko kab jokjok ko rej walok elane enaj wor lutok ko rejidrimkij an men ko rekauwotata, einwot fuel, oil, gas im bareinwot kwobej ko rekauwatata im petroleum products.

MARSHALLESE U.S. Army Garrison Kwajalein Atoll

2025 Water Quality Report



**Published by
V2X
for U.S. Army Garrison
Kwajalein Atoll
June 2026**

Ilo 2025 Water Quality Ripoot eo ej koman ekkar non kakien ko emoj karroki ilo USAKA Environmental Standards (UES) eo, eo ej kamelet bwe ro rej leto-letak dren in idrak (aiboj) ren loori jonak ko emoj karroki im bareinwot tilmake melele ko raurok non ro rej idrak jen aiboj eo. Ilo melele kein, ebareinwot koba result in teej ko, jikin ko aiboj in ej itok jeni, im wawein process e aiboj in, im bar melele ko jet. Elap an aurok bwe ro rej idrak jen aiboj in ren jela im melele kin aiboj eo rej idrake jen USAG-KA. Elane ewor am kajitok ak abnono kake melele kein ilo ripoot in ikkijeen aiboj eo kwoj ilimi, jouj im kebak e lok Stan Jazwinski ilo 480-4400, ak komaron in bar bojrak lok ilo Utilities Department eo elane jab, ekwe call e Environmental ilo 480-0722.

EWOR UKOK IN RIPOOT IN ILO KAJIN BELLE:

Naan in karon kein rej kwalok melele ko raurok kin dren in idrak eo ilo USAG-KA. Ewor ukok in ripoot in ilo kajin belle. Kir lok Environmental Department eo ilo **480-0722** kin melele ko relap lok.

Emenin utiej buru non kwalok ke dren in idrak eo letok in USAKA ej tobare jonok ko emoj karroki non dren in idrak kin men in, ejjelok uwota ilo ilimi dren eo jen aolep bojet in dren in idrak ko.

Aolep yio, Utilities Department eo ej boke tarin 10,000 sample in dren in idrak eo ilo USAG-KA in non lolorjake bwe tiljek in komane aiboj in jej idrak jene en erre. Kakien ko rej kipel bwe ro rej leto-letak dren in idrak ren teej e dren eo non lale ewor ke jabdrewot men ko retoo ie, ko me remaron in bed ilo dren in idrak eo. Result in teej ko an dren ko rej bedbed wot ion jonak ko emoj an U.S. Environmental Protection Agency (PA) eo karroki. Jonak kein rej naetaer Maximum Contaminant Levels ak MCLs.

MCLs ko rej bedbed wot ion jonak ko me rejjab maron in kwalok naninmij non armij. Juon armij emaron idraak e ruo liter in dren ilo aolepen mour eo an im jab naninmej jen e, ak emaron lon an juon mottan juon million ien bwe en ione naninmij. Jonak kein rej itok jen EPA innem USAG-KA ej loori ikijen USAKA Environmental Standards (UES) ko. UES kein rej bedbed ion karrok ko an MCL, im jet ien emaron laplok aer pen jen karrok ko an EPA. UES kein rej bareinwot konan bwe USAG-KA en komman jonan jambol ekkar nan an maron lelok nan 10,000 armej. Jonan lap im jambol in enaj jiban elon armej im kokmanmanlok drenin drak eo.

Emoj an EPA im UES karrok jet bunten ko naetan Action Level (AL). AL in ej jerbal non lale jonan etoon ko ilo dren eo, bwe ne relaplok jen jonak eo emoj karroke innem renaj aikuj in treat i im karreoik

dren eo ekkar nan kakien ko. Waan jonak in etoon ko remaron loi ej enwot lead im koba (copper).

Utilities Department, USAG-KA Hospital, im Defense Center eo nan Public Health ilo Aberdeen, Maryland ej droulul ko jilu rej teej e aiboj in idrak eo ion USAG-KA. Ibben jikin jerbal kein jilu, USAG-KA ej bareinwot make etale tiljek in an jikin kein koman dren eo jerbal, koman teej ko remakijkij non lolorjake erre eo an dren in idrak eo ej driwojlok, im bareinwot lale bwe jool en jab tobare aiboj lal eo.

Jikin koman dren eo ej jerbal non letok dren in idrak eo etiljek im erre. Jiban kejbarok dren in idrak eo nimed. Jukjuk in bed in ad, mour kein ad, kab an ro nejid rej bedbed ion kejbarok in am. Bok konam; kejbarok dren in idrak eo ilo wawein ko rekkar.



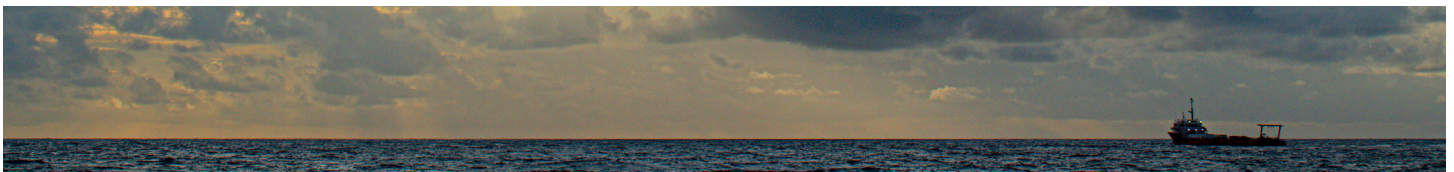
Reverse Osmosis Units



Granulated
Activated Carbon Filters

Kwajalein Reclaimed Water Standard Violation

The Reclaimed Water System Document of Environmental Protection (DEP) requires public notification when the standards for reclaimed water are not met. On 15 May 2026, the minimum chlorine residual concentration at the entry point to the reclaimed water distribution system dropped below the 1 mg/L standard (0.9 mg/L). Chlorine is added as a disinfectant at the Point of Entry (POE) into the Reclaimed Water System. On 7 May 2026, the turbidity level at the POE exceeded the standard of 5.0 Nephelometric Turbidity Units (NTU) at 6.63 NTU. During 6-18 May 2026, the 7-day rolling turbidity average in the reclaimed water distribution system measured above the 2.0 NTUs standard. Turbidity is the cloudiness or haziness of a liquid caused by particles that are generally invisible to the naked eye. **No health-based restrictions on the normal use (irrigation, vehicle washing, etc) of reclaimed water are necessary.** There were no threat to public health or the environment resulting from the exceedances. Questions? Contact V2X Environmental at 480-0722.



Jorraan Eo Ilo Reclaimed Water System Eo Ion Kwajalein

Ekkar non Reclaimed Water Document eo an Environmental Protection/ak naetan (DEP) aikuj bwe en karon jukjuk in ped elane ewor jorraan ko rejolet dren eo ion Kwajalein. Kar 15 May 2026, dreton chlorine residual concentrato in ilo an dreton tok ilo jikin dren eo ekar walol lok kin 1 mg/L dretton in (0.9 mg/L). . Rar bar ilik chlorine non karreoiki lok non jonon in ej delon ilo Reclaimed Water System eo. Ilo kar 7 ran in May 2026, level in tubidity ilo POE ekar tobare dretton in 5.0 Nephelometric Turbidity Units (NTU) ilo 6.63 NTU. Ilowan 6-18 May 2026. , 7-ran rolling turbidity average in the reclaimed water distribution system eo ej kalok ke ej ilon lok 2.0 NTU Standard. Menin ekomman bwe en laplok an tap ak ettoon dren in ilo an koman kiiij ko jeban loi. **Ejjab jelet ejmour non karon im rejan ikkijeen kojerbal dren in (non wutdrikdrik, kwali waa ko, im jerbal ko eirlokwt) non aikuij ko jet. Ejelok wewein ko earmon jelet t ejmour ak jukjuk bed ilon alik kar ilo ekotak kein. Kajitok kir V2X Environmental ilo 480-0722.**

Drinking Water Standard

The turbidity inline continuous monitoring systems at the Kwajalein and Roi-Namur Water Treatment Plants are inoperative and operators are collecting manual grab samples for analysis every 4 hours. Repair or replacement projects for the monitoring systems are being evaluated. Turbidity is the cloudiness or haziness of a liquid caused by particles that are generally invisible to the naked eye and by itself does not cause microbiological contamination. Drinking water from several distribution sites are analyzed weekly by the Kwajalein Hospital Laboratory for microbiological contaminants. There is no threat to public health or the environment resulting from the inoperative inline monitoring equipment.

No health-based restrictions are necessary for the normal use of drinking water.

Questions? Contact V2X Environmental at 480-0722.

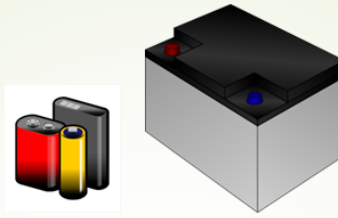


Jorraan Eo Ilo Drinking Water Standard

Rijerbal in dren ro rekar wonmanlok wot im ebok dren nan kamelmel im lale elane elap ejake eo an lum ilo dren ko. Kilen kakomanman lak im tiljek lok jirik kon dren ko ekar bok jikin nan lale im kajeon kajako lum ko ilo dren iumwn kajojo 4 awa. Ejjelok joraan elap im kauwotata enaj jelet ejmour eo ilo juon kabijuknen eo elane ej koman katak kein jen kein jermal ko an lale dren eo.

Ejjab jelet ejmour non karon im rejan ikkijeen kojerbal dren in non aikuij ko jet.

Elane ewor am Kajitok kir V2X Environmental ilo 480-0722.



E-WARENESS

Disposal Batteries

Tape over terminals to cover electrodes. Smaller batteries may be dropped off at the AAFES Shoppette. Folaser batteries, call V2X Environmental @ 0722.

Marshallese Translation:

Tape ii ion terminals ko nan cover e electrodes ko. Battery ko redrik remaronnin bulklak nan AAFES Shoppette. Nan battery ko rekillep, call e lak V2X Environmental ilo 0722.

MWR PROGRAMMING CALENDAR JULY 2026

SUN	MON	TUE	WED	THU	FRI	SAT
250th 1776-2026 ANNIVERSARY UNITED STATES OF AMERICA			1	2	3	4th OF JULY Celebration & Fireworks KARAOKE at OCEANVIEW MOVIE night DOL LEAGUE OF SUPER-PEPS (2022) (RATED PG • 98 MIN)
5 MOVIE night DOCTOR STRANGE IN THE MULTIVERSE OF MADNESS (2022) (RATED PG-13 • 126 MIN) at the YUK THEATER	6	7	8	9	10	11 COWBOY NIGHT at OCEANVIEW MOVIE night MINIONS: THE RISE OF GRU (2022) (RATED PG • 87 MIN)
12 QUIZZO at OCEANVIEW MOVIE night FIRESTARTER (2022) (RATED R • 94 MIN)	13	14	15	16	17	18 KARAOKE at OCEANVIEW MOVIE night PAWS OF FURY: THE LEGEND OF HANK (2022) (RATED PG • 98 MIN)
19 MOVIE night JURASSIC WORLD: DOMINION (2022) (RATED PG-13 • 147 MIN) at the YUK THEATER	20	21 REGISTRATION OPEN FOR SOCCER LEAGUES	22	23	24	25 TOP 100 DJ HITS at OCEANVIEW MOVIE night LYLE, LYLE, CROCODILE (2022) (RATED PG • 106 MIN)
26 MOVIE night PLATOON (1986) (RATED R • 120 MIN) at the YUK THEATER	27	28	29	30	31	



Fogging Schedule

- 5:30-7:30 P.M.
- Roi Namur: July 31, 2026
- Kwajalein: July 22-23, 2026 and July 29-30, 2026
- Weather dependent
- Avoid fogged area for ~30 minutes

Fogging with Eco-friendly EcoVia EC Insecticide

- Liquid botanical oil insecticide
- Active ingredients include Thyme Oil & Rosemary Oil
- Safe to use in and around homes and near water
- Safe to use around children and pets



Do your part to eliminate mosquitoes:

- Check for standing water where mosquitoes breed
- Dump any accumulated water at least weekly
- Manage vegetation and eliminate accumulated leaves

Do your part to eliminate flies:

- Do not add food waste directly into open trash cans such as the Emon Beach trash containers, large black trash cans, or residential green trash receptacles.
- Always seal food and animal waste inside trash/plastic bags before adding to trash cans.
- Periodically clean outdoor trash receptacles.

Dump standing water





Community Notice

Kwajalein Atoll Divers:
The dive limit from
July 23-27

will be limited to
50 feet for the
Meram Cable Survey
project.

Thank you for your cooperation.



KWAJ EYECARE IS COMING TO THE ISLAND

July 28th – Aug 18th
Schedule now

 Kwajalein Hospital 480-2223

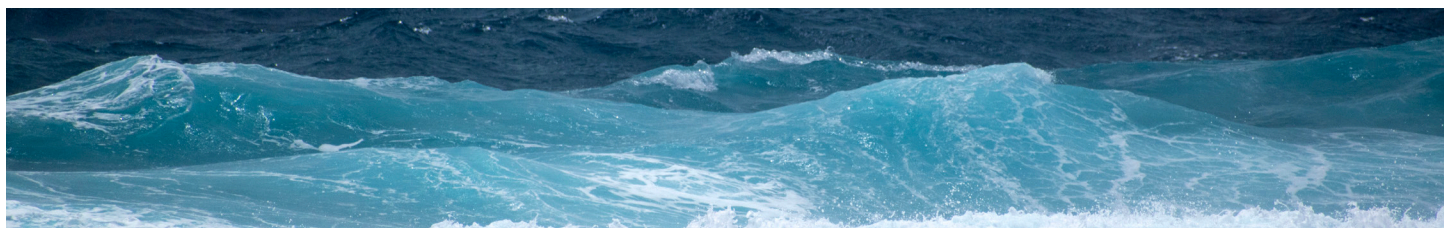
**Scan QR code to schedule
your appointment!**



www.kwajeyes.com



• Comprehensive Eye Exams • Treatment of Dry Eyes • Red Eyes • Management of Eye Disease • Computer glasses • Sunglasses
• Contact lenses (including multifocal options) • Safety glasses



UNITED



Kwajalein (KWA), Republic of the Marshall Islands

DAY OF WEEK FLIGHT NUMBER	SUNDAY NO FLIGHT	MONDAY UA155	TUESDAY UA154	WEDNESDAY UA133	THURSDAY UA132 UA155		FRIDAY UA154	SATURDAY NO FLIGHT
ARRIVING FROM		Guam, Chuuk, Pohnpei, Kosrae	Honolulu, Majuro	Guam, Chuuk, Pohnpei	Honolulu, Majuro	Guam, Chuuk, Pohnpei, Kosrae	Honolulu, Majuro	
DEPARTING TO		Majuro, Honolulu	Kosrae, Pohnpei, Chuuk, Guam	Majuro, Honolulu	Pohnpei, Chuuk, Guam	Majuro, Honolulu	Kosrae, Pohnpei, Chuuk, Guam	
CHECK-IN TIME		2:30PM ⬇	10:30AM ⬇	2:15PM ⬇	11:00AM ⬇	2:30PM ⬇	10:30AM ⬇	
		4:50PM	11:10AM	4:15PM	11:40AM	4:50PM	11:10AM	
ARRIVAL TIME		5:40PM	12:00PM	5:00PM	1225PM	5:40PM	12:00PM	
CHECK-IN COUNTERS CLOSES NINETY (90) MINUTES PRIOR TO SCHEDULED DEPARTURE								
BOARDING		As soon as Cabin Inspection is complete						
DEPARTURE TIME		6:20PM	12:40PM	5:45PM	1:10PM	6:20PM	12:40PM	
AIRCRAFT TYPE		B737-800						
SECURITY SCREENING CHECKPOINT CLOSES SIXTY (60) MINUTES PRIOR TO SCHEDULED DEPARTURE								
CARGO HOURS		9:30AM-2:30PM 6:00PM-6:30PM	9:00AM-10:45AM 1:30PM-4:30PM	9:30AM-11:00AM 1:00PM-2:15PM 5:45PM-6:00PM	9:00AM-11:00AM 1:30PM-4:30PM	9:00AM-11:00AM 1:30PM-2:30PM 6:00PM-6:30PM	9:00AM-10:45AM 1:30PM-4:30PM	9:30AM-11:00AM 2:00PM-4:30PM

Cargo bookings must be made 48 hours prior to the day of tender for United Airlines and APA flights

Asia Pacific Airlines (APA) operates Wednesdays & Saturdays ETA 1:00PM / ETD 2:00PM. For flight schedule updates, visit APA's website
www.asiapacificairlines.com

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The **My Army Post App** keeps **Kwajalein Hourglass** connected, informed, and prepared.



My Army Post
KWAJALEIN HOURGLASS



WEATHER UPDATES
Real-time conditions and
Air Quality Index



FERRY AND FLIGHT INFO
Departure and
arrival times



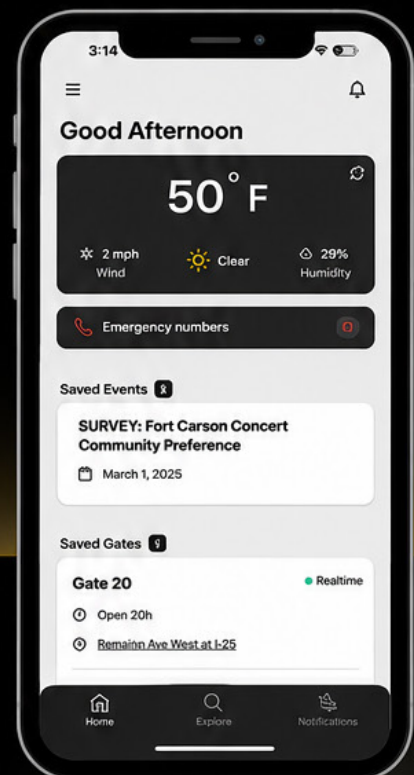
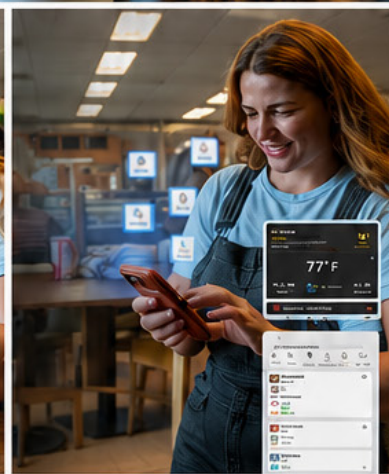
COMMUNITY EVENTS
Stay up to date on happenings
around the island



EMERGENCY INFO
Quick access to important
contacts and alerts



SUPPORT & RESOURCES
Find services, programs,
and assistance



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Your essential guide to life on Kwajalein Hourglass.



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Stay connected.
Stay informed.
Stay Kwaj.

ALWAYS CALL...

...if your
building's
Fire Alarm
is sounding



ALCOHOLICS ANONYMOUS

YOU DON'T HAVE TO WALK THIS PATH ALONE.

MEETING SCHEDULE:

EVERY FRIDAY, SATURDAY & SUNDAY

7:00 PM-8:00 PM

LOCATION:

2ND FLOOR, ROOM 214 at the R.E.B. (BLDG 671)

For more information or to speak with someone:

Email: kwajchapel@gmail.com

Phone: 480.3505/480.2116

Kwajalein to Ebeye Ferry Schedule



1. **C-BADGE WORKERS** have priority, EXCEPT on the following runs:
 - 0650 run (arriving at Ebeye at 0715) High Schools students have priority ridership
 - 0720 run (arriving at Ebeye at 0745) and the 1600 run (departing from Kwaj) Kwajalein School Guest students have priority rider-ship.
2. On Stevedoring days, workers involved with cargo operations have priority on the 2000 ferry.
3. SMOKING, TOBACCO, CHEW, BETEL NUT, EATING and DRINKING ARE PROHIBITED ON ALL FERRIES.
4. Boats will not be overloaded: Maximum capacities are 150 passengers (CATs and ferries) and that number may be reduced during inclement weather or at the Captain's discretion due to safety concerns.
5. Meck catamarans may operate on a dynamic schedule and will be available by calling Meck Management.
6. **SATURDAY ONLY – THERE WILL NOT BE A 2130 FERRY INSTEAD THE FERRY WILL DEPART AT 2200.**

EBEYE – Tuesday to Saturday

EBEYE – Sunday & Holiday

ETD	ETA	ETD	ETA	TYPE	ETD	ETA	ETD	ETA	TYPE
	EBEYE	EBEYE	KWAJ	VESSEL	KWAJ	EBEYE	EBEYE	KWAJ	VESSEL
0245	0310	0315	0340	FB N/1	0400	0425	0430	0455	FB N/1
0420	0445	0450	0515	FB 1	0500	0525	0530	0555	FB 1
0450	0515	0520	0545	FB 2	0600	0625	0630	0655	FB 1
0520	0545	0550	0615	FB 1	0830	0855	0900	0925	FB 1
0550	0615	0620	0645	FB 2	1140	1205	1210	1235	FB 1
0620	0645	0650	0715	FB 1	1530	1555	1600	1625	FB 1/N
0650	0715	0720	0745	FB 2	1700	1725	1730	1755	FB N
0720	0745	0750	0815	FB 1	2000	2025	2030	2055	FB N
0900	0925	0930	0955	FB	2200	2225	2230	2255	FB N
1140	1205	1210	1235	FB 2/A	Holidays only ADD extra run below				
1300	1325	1330	1355	FB	1830	1855	1900	1925	FB N
1440	1505	1510	1535	FB A	Monday				
1600	1625	1630	1655	FB A	0315	0340	0345	0410	FB N/1
1700	1725	1730	1755	FB A	0500	0525	0530	0555	FB 1
1730	1755	1800	1825	FB N	0600	0625	0630	0655	FB 1
1800	1825	1830	1855	FB A	0720	0745	0750	0815	FB 1
1830	1855	1900	1925	FB N	0830	0855	0900	0925	FB 1
1900	1925	1930	1955	FB A	1140	1205	1210	1235	FB 1
2000	2025	2030	2055	FB N	1440	1505	1510	1535	FB 1/N
2130	2155	2200	2225	FB N	1645	1710	1715	1740	FB N
(TUESDAY-FRIDAY) 2130 is final run of day					1745	1810	1815	1840	FB N
2200	2225	2230	2255	FB N	1900	1925	1930	1955	FB N
SATURDAY - No 2130 ferry; 2200 is final run of day					2000	2025	2030	2055	FB N
FB = Ferry Boat					2130	2155	2200	2225	FB N



Roi-Namur / Enniburr Ferry Schedule



Tuesday to Saturday

Run Number	ETD Roi-Namur	ETA Enniburr	ETD Enniburr	ETA Roi-Namur	Vessel
1	0520	0535	0555	0610	FB
2	0730	0745	0805	0820	FB
3	1250	1305	1325	1340	FB
4	1715	1730	1750	1805	FB
5	1940	1955	2015	2030	FB

Sunday-Monday-Holiday

Run Number	ETD Roi-Namur	ETA Enniburr	ETD Enniburr	ETA Roi-Namur	Vessel
1	0650	0705	0725	0740	FB
2	0940	0955	1015	1030	FB
3	1450	1505	1525	1540	FB
4	1940	1955	2015	2030	FB

FIRST PRIORITY: BADGE WORKERS

Passengers are to board and disembark ONLY at the gangway area. As deemed by the Captain, any passengers, who are unruly and pose a safety hazard to the crew, other passengers, or vessel will not be allowed to ride the ferry. Maximum passenger load is 150 passengers.

SMOKING, TOBACCO CHEWING, BEETLE-NUT, EATING and DRINKING ARE STRICTLY PROHIBITED ON ALL FERRIES.

The clock kept by the ferry Captain is the official time. Departure times from Roi-Namur are mandatory times. Return times to Roi-Namur may change slightly due to the offloading of water at Enniburr.

Any questions? Please call the Port Captain in Kwajalein, 480-2173.

USAG-KA

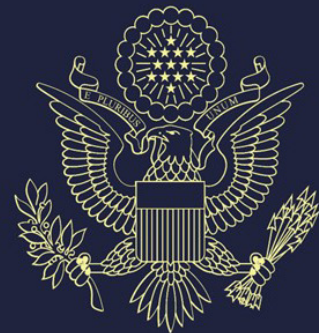
Passport Services on Kwajalein

USAG-KA Passport Appointments will be open for Thursday, July 30th on Kwajalein from 0900 -1200 and 1300-1630 at garrison HQs.

To schedule an appointment email: usarmy.bucholz.usarpac.mbx.kwaj-passport-applications@army.mil

Passport Photos can be obtained via the studio at:

Kwajalein, Bldg. 730, Room 127



*United States
of America*



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Kwajalein



MIA Project

NEVER FORGET.

<https://kwajaleinmiaproject.us/>

COMMUNITY CLASSIFIEDS

Submit Announcements to the Roller Channel and The Kwajalein Hourglass

OPEN CALL FOR ANNOUNCEMENTS
The island community is invited to submit listings for events and for sale items; announcements; department trainings; safety updates; public service messages; and thank-you messages.

Preparing Your Message

For questions about your messaging, please reach out to the USAG-KA Public Affairs Office at 480-4848.

Ads should always include a point of contact, phone number and/or email address.

Private parties, fundraisers and events requesting and/or accepting donations are typically not allowed for publication per AR 360-1. Fundraisers and support activities for private and schools-based organizations, scouting groups, civic clubs and other listings may be subject to a legal counsel review to determine their eligibility for publication.

Formatting Your Listings

It is recommended that graphical advertisements and announcements intended for the Hourglass and the AFN Roller Channel be formatted as PowerPoint slides.

Graphic designers are asked to maintain a generous margin (.75-1-inch) around all sides and to size fonts no smaller than pt. 20.

If your Roller Channel advertisement requires a special expiration date, please note this for the Roller team in the body of your message.

Deadlines for Submissions
Send advertisements for the Kwajalein Hourglass and the AFN Roller Channel to kwajaleinhourglass@gov2x.com on Wednesdays by close of business/Thursday morning.

Roller Channel ads are accepted on a rolling basis by 4 p.m. for a mid-week and late-week update. Ads received after 4 p.m. will be loaded in the next update. Please ensure you submit ads in good time to ensure timely upload.

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For more information, reach out to the USAG-KA Command team through the USAG-KA Facebook page.

ANNOUNCEMENTS

AFH Construction Is Ongoing. Nan, Inc. Construction is scheduled to commence the telecommunication scope of work for the Kwajalein Army Family Housing project in our community. Residents and commuters should be aware of possible changes in traffic patterns and to plan their routes accordingly. Nan, Inc. Construction is committed to minimizing any inconveniences, and we will strive to ensure a smooth and efficient construction process.

ArMA. Log in to ArMa, the Army Maintenance Application, to report issues for all buildings maintained by the Department of Public Works. Contact Public Works at 480-3550.

CAC Office. Before your visit to the Common Access Card Office, ensure all paperwork is completed by your human resources representative before making an appointment. Bring two forms of government-issued IDs with you. Walk-in appointments are welcome, but there may be a wait. CAC Office Hours, Bldg. 835, are Tuesday – Saturday, 8 a.m. – 4 p.m.; (Lunch: noon - 1 p.m.). Call 480-8496.

Demolition at the Capt. Louis S. Zamperini Dining Facility. Phase three of the Zamperini DFAC demo has begun and is projected to be finished March 2026 for the dining and serving area. Be careful around the dining facility during the phases.

Do Not Take Cultural Artifacts. It is illegal to remove cultural resources from the atoll. This includes any protected species, unexploded ordnance, WWII-era artifacts and ancient Marshallese artifacts. These resources are protected under U.S. federal and RMI law. Contact the Kwajalein Archaeology Office at 480-8867.



Contact the USAG-KA Sexual Harassment/ Assault Response and Prevention Victim Advocate

Captain Tameka Edmonson
SHARP Victim Advocate
Work: 480-1419 or

Major Matthew DeMartino
Work: 480-1402

USAG-KA SHARP

Pager: 808-580-3241
DOD SAFE Helpline: 877-995-5247

Emergency Management. Visit the USAG-KA Emergency Management webpage, <https://home.army.mil/kwajalein/index.php/my-fort/EM>; 2) Click on "Mass Notification"; 3) Follow the registration instructions.

E-Wareness: It is each driver's responsibility to ensure vehicles are not leaking fluids other than air conditioning condensate. Call 911 to report spills and arrange with automotive for routine maintenance. Please call Environmental at 480-0722 with questions. Ej an ri-kator eo eddo non lolorjake bwe wa eo ejjab leak jabdewot oil ijelak in drennin air condition eo jen wa eo. Ne elon jabdewot leak/lutok in oil jen wa eo, Kiir 911 non report- e lutok eo. Ak kiir Environmental ilo 480-0722 non kajitok.

Fire Safety Tips. Some pets are chewers. Watch pets to make sure they don't chew through electrical cords. Pets are curious. They may bump into, turn on, or knock over cooking equipment. Keep pets away from stoves and countertops. Make sure pets are included in your family's fire evacuation plan. Build an evacuation kit for each pet in your household.

Flights. Please note that all flights are subject to change. For the latest update on your flights on United, ATI or Air Marshall Islands: ATI: 480-2169; AMI: 480-3469; United: 480-4852 or 1-800-UNITED1; Air Terminal Services: 480-2660; Flight Information Recording: 480-3589

UA Schedule Effective Now: Monday and Friday—UA 155 (HNL); Check-in 2 – 4:50 p.m.;

Wednesday—UA 133 (HNL); Check-in 2 – 4:15 p.m.; Tuesday and Saturday—UA 154 (GUM); Check-in 10:45 – 11:15 a.m.

FlyRoi Reservations. To schedule reservations and for correspondence related to flights, email LCVKwajaleinFlyRoi@versar.com.

How to dress in the RMI. Out of respect for the Marshallese culture, residents are asked to dress appropriately when visiting Ebeye, Third Island, or anywhere within Kwajalein Atoll. Women should wear clothing to cover shoulders and knees. None are permitted to wear shorts when visiting churches on Ebeye. Men should wear long slacks to church.

Kwaj Small Boat Marina hours are 7:30 a.m. – 6 p.m. Friday through Monday, and on holidays, excluding Thanksgiving and Christmas. Morning boat reservation times are from 7:30 a.m. – noon. Afternoon boat reservations are from 1 – 5 p.m.

Not Feeling Well? Call 480-2223 to make an appointment for a COVID-19 test, Tuesday through Saturday from 7:30 a.m. – 4:30 p.m. If you are not feeling well, please wear a mask when you are around others in the community.

Operational Security. See something, say something. All employees on USAG-KA are required to receive annual Threat Awareness and Reporting Program training provided by KRO; Reporting: Report suspicious activities to the Kwajalein Resident Office at 480-9859/1293/8006 at Bldg. 1163.

PCS & Vacation Tips. Notify the post office before leaving for 30 days or PCS'ing. Per DOD 4525.6-M, mail is only allowed to be held for 30 days with or without prior notice. Mail is considered unclaimed on day 31 and will be returned to the sender. Email the post office to authorize pick up for your mail and packages. When PCS'ing, provide a forwarding address. Contact Jose Burgos-Rivera with questions at 480-3461 and Jose. Burgos-Rivera@gov2x.com.

Salon Walk-Ins. Surfside Salon Walk-In Appointments are available on Fridays from 1:30 - 6 p.m.

Smoking. USAG-KA, smoking is permitted in designated smoking areas only. Smoking and cigarette butt receptacles must be at least 50 feet from the entrance of facilities.

Taxi Service. Call 480-TAXI (8294) or 3341 to

book your ride at least 24 hours in advance of check-in time.

Millican Family Pool Hours. Closed for cleaning on Thursdays. Open noon to 5 p.m. Tuesdays, Wednesdays, Fridays and Saturdays. Open 11 a.m. to 5 p.m. Sundays and Mondays.

The NEC Testing Center Is Open to the Community - Giving you the head start you need to thrive! - Open Tuesday through Saturday by appointment
Authorized Pearson VUE Test Center. Schedule A test Today!
NEC testing Center, 480-4344, FN 1008-131
ACUITY International

Kwajalein / Roi Namur Licensing
Classes on Kwajalein are every Wednesday @0900 Marshallese @1245 Expats (by appointment only as class side is limited)
Classes are in Bldg. 856 Rm 101, Vehicle Maintenance Compound
Roi classes every 2nd Friday in Bldg. C, timed based on flight schedule
No registration needed for Roi classes.
To register, send email to either of the following:
George.Parker@gov2x.com
Wilson.Kaisha@gov2x.com
...or stop by Bldg. 856, Rm 101

HELP WANTED

For employment with contractors
within the
U.S. Army Garrison - Kwajalein Atoll
please check
contractor company
websites
for employment opportunities.





**OPSEC
IS NOT
RETROACTIVE.**

**THINK BEFORE
YOU SHARE
INFORMATION.
ONLINE AND OFFLINE.**



JULY MOVIES

★ AT THE YUK THEATER ★



 SATURDAY JULY 4	 DC - LEAGUE OF SUPER PETS (2022) PG • 105 MIN	 SUNDAY JULY 5	 DOCTOR STRANGE IN THE MULTIVERSE OF MADNESS (2022) PG-13 • 126 MIN
 SATURDAY JULY 11	 MINIONS - RISE OF GRU (2022) PG • 87 MIN	 SUNDAY JULY 12	 BULLET TRAIN (2022) R • 127 MIN
 SATURDAY JULY 18	 PAWS OF FURY: THE LEGEND OF HANK (2022) PG • 98 MIN	 SUNDAY JULY 19	 NOPE (2022) R • 130 MIN
 SATURDAY JULY 25	 LYLE, LYLE CROCODILE (2022) PG • 106 MIN	 SUNDAY JULY 26	 THE SHINING (1980) R • 146 MIN

★ **ALL SHOWTIMES BEGIN AT 7:30 PM** ★



WEEKLY TROPICAL WEATHER THREAT OUTLOOK

RTS WEATHER STATION STAFF

WEATHER DISCUSSION

Relatively dry and doldrum-like conditions are set to wrap up the workweek across Kwajalein Atoll as multiple circulations help to disrupt trade flow across the RMI. One of the low pressure circulations off to our east-northeast will begin to affect the region by Monday as it inches closer to the atoll, likely passing well to the north of Kwajalein. Isolated shower activity is possible Sunday during the late afternoon into Monday as winds begin to pick up out of a northwesterly direction and enhance low-level convergence. By the start of the workweek, wind speeds will likely increase further into the low teens out of a westerly direction. Depending on the exact track and strength of this low-pressure system and its associated westerly wind, a West Wind Swell Warning (WWSW) may have to be issued as early as Tuesday morning. The magnitude of this west wind event remains uncertain. Winds are likely to peak in the upper teens on Wednesday and Thursday along with the highest cov-

erage of shower activity. RTR weather will be watching this system closely and will be updating the forecast as necessary.

SATURDAY

Partly sunny with stray showers. Winds light and southwesterly with periods of clam and higher gusts near showers.

SUNDAY

Partly sunny with isolated showers and a possible stray thunderstorm. Winds light and northwesterly with periods of clam and higher gusts near showers.

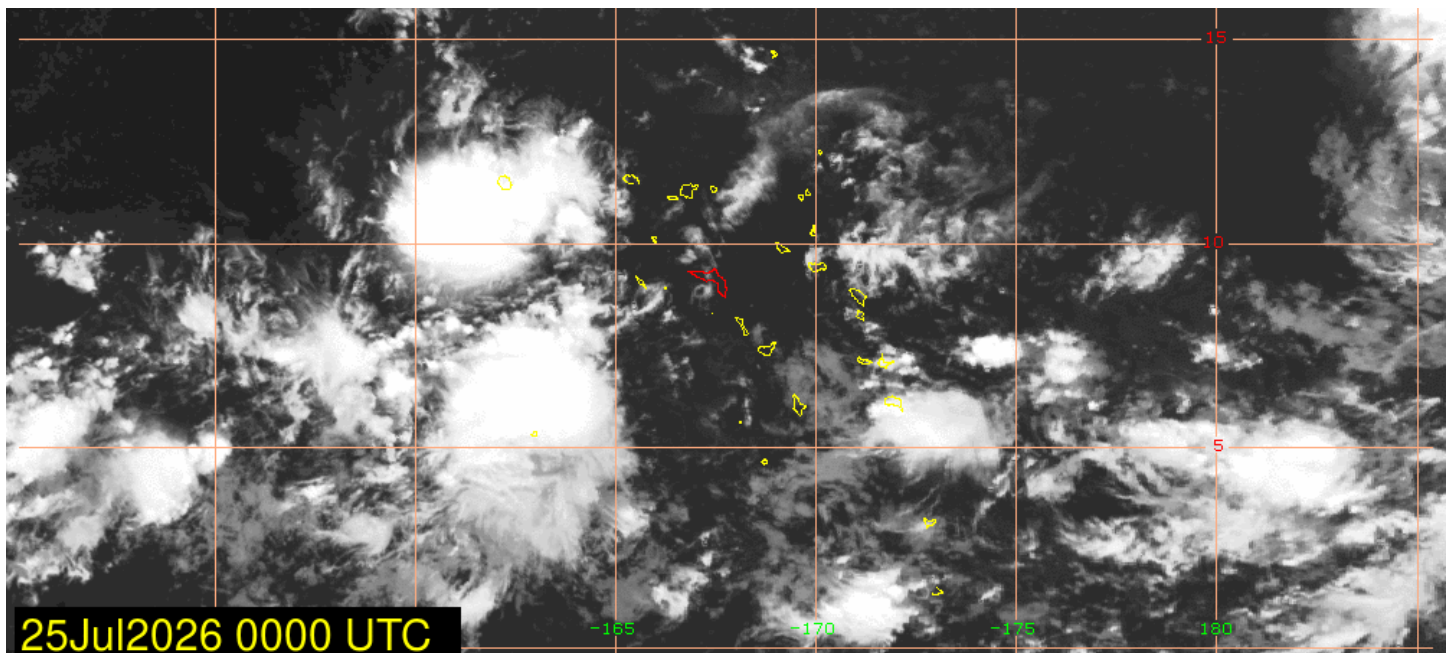
MONDAY

Partly sunny with stray to isolated showers and a possible stray thunderstorm. Winds NW-N at 3-8 knots with higher gusts possible near showers.

NEXT WEEK

Tracking potential impacts from a tropical system passing to our north with increased shower activity and westerly winds for much of the workweek.

 SUN-MOON-TIDES				
	SUNRISE SUNSET	MOONRISE MOONSET	HIGH TIDE	LOW TIDE
SUNDAY	6:40 a.m. 7:12 p.m.	4:32 p.m. 3:27 a.m.	2:23 a.m. 3.3' 3:03 p.m. 2.5'	9:11 a.m. 0.6' 8:37 p.m. 0.8'
MONDAY	6:40 a.m. 7:11 p.m.	5:23 p.m. 4:18 a.m.	3:05 a.m. 3.6' 3:38 p.m. 2.8'	9:43 a.m. 0.3' 9:17 p.m. 0.4'
TUESDAY	6:40 a.m. 7:11 p.m.	6:12 p.m. 5:10 a.m.	3:40 a.m. 3.9' 4:08 p.m. 3.1'	10:12 a.m. -0.0' 9:52 p.m. 0.2'
WEDNESDAY	6:40 a.m. 7:11 p.m.	6:58 p.m. 6:02 a.m.	4:12 a.m. 4.2' 4:36 p.m. 3.3'	10:39 a.m. -0.2' 10:24 p.m. -0.1'
THURSDAY	6:40 a.m. 7:11 p.m.	7:41 p.m. 6:53 a.m.	4:42 a.m. 4.4' 5:05 p.m. 3.5'	11:06 a.m. -0.4' 10:55 p.m. -0.2'
FRIDAY	6:40 a.m. 7:11 p.m.	8:22 p.m. 7:41 a.m.	5:11 a.m. 4.5' 5:33 p.m. 3.7'	11:33 a.m. -0.4' 11:25 p.m. -0.3'
AUGUST 1	6:40 a.m. 7:10 p.m.	9:02 p.m. 8:29 a.m.	5:40 a.m. 4.6' 6:01 p.m. 3.8'	12:00 p.m. -0.4' 11:56 p.m. -0.2'



WEEKLY TROPICAL WEATHER THREAT OUTLOOK

RTS WEATHER STATION STAFF

Discussion:

SSo far in July, we have received 8.81" of rain putting us at 21.8" above normal with 21.5" above normal for the year at 66.2". The greatest shower coverage looks like Saturday morning and Tuesday into the first part of the workweek. The weekend will see isolated showers more so in the morning. We experienced no lightning days last week. A thunderstorm day is defined by an "in situ" lightning strike, meaning lightning is observed or thunder is heard within five miles of the Kwajalein airfield. The lightning risk will be slightly elevated on Tuesday night. The Madden-Julian Oscillation's (MJO) is diminished as sort of a background state because of the Super El Nino event building over the tropical Pacific as westerly wind bursts (kelvin waves) dominate south of the RMI. The Intertropical Convergence Zone (ITCZ) is diminished terminating east of the Date Line. Monsoon Trough (MT) is becoming more tropical

circulation induced across the RMI for the coming seven days. MTs have the tendency to be more conducive to

tropical cyclone formation. El Nino Southern Oscillation (ENSO) is now in a super El Nino phase. This will have the impact of bringing above normal shower coverage until October when it will actually bring lower than normal precipitation. There will be an elevated west wind concern and augmented tropical cyclone risk over the RMI for the rest of the year.

Tropical Cyclones:

Moderate for the RMI. We have 93W a bit east of Majuro. It will eventually track to the west, but no real development is expected in the next 24 hours. We are watching Wake Island on the 29 for the Date Line crossing tropical cyclone that will be inducing our west winds to come very close to Wake.

Damaging West Winds / Westerly Swell:

We are anticipating west winds starting in the afternoon of Tuesday the 28th and will most likely violate the warning threshold on the 29th and 30th as the circulation of a tropical storm passing between Kwajalein and Wake Island induce a

west-southwest flow into its center as it moves west. The west wind threat will be higher this wet season due to the super El Nino.

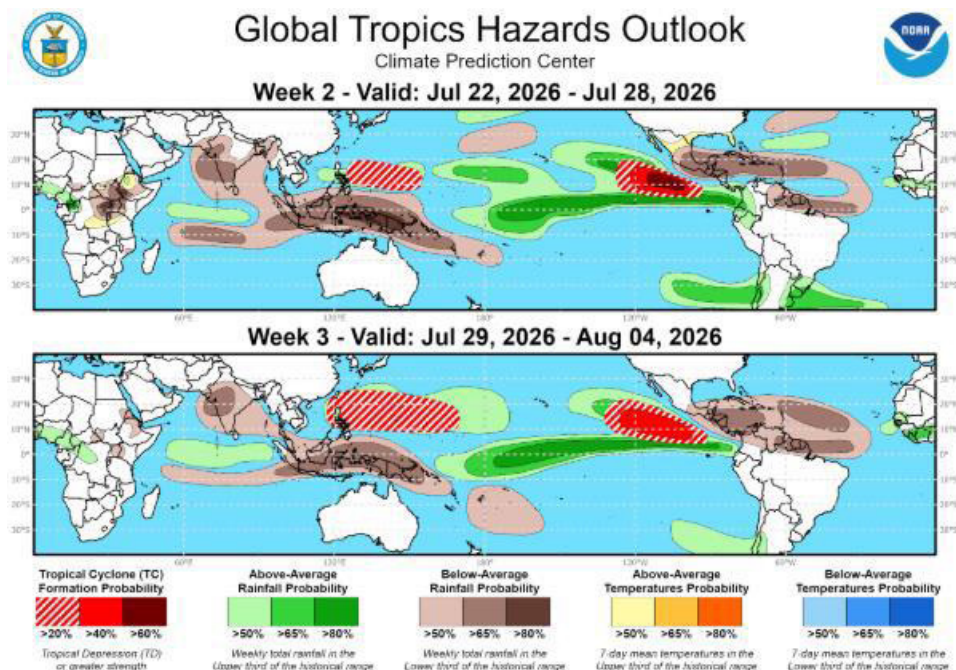
Swell / Tide Inudation For Kwajalein Atoll and Wake Island and Winds:

We are moving toward a full moon on the 29th with associated high tides of about 4.5 feet around that time. Winds: Today represents the start of a long period of light winds mostly in the single digits to calm doldrum levels at times meandering winds. Look for Monday to see a bump to the upper single digits and lower teens. These low winds are due to a series of circulations that are spinning up in the ocean between the Marshall Islands and Hawai'i. These circulations, and one in particular that may affect Wake Island, are disrupting an already El Nino hobbled trade-wind flow. A Small Craft Advisory (SCA) is not anticipated for the next seven days except for the possibility of a short issuance during periods of gusty outflow near any heavy showers. Boats should be secure on their mooring and any small ves-

sels tied to docks will be at risk of damage during west winds sustained at or over 10 knots. A High Surf Advisory (HSA) is not expected in the classical sense, but we are expecting lagoon side high surf having an adverse effect on the SBM the boat ramp and Emon Beach on the 29th for possibly more than 48 hours.

Purpose:

This weekly briefing is delivered Thursday mornings to island leadership. The intention of this briefing is to provide situational awareness of weather events that may interrupt operations and transportation around Kwajalein, to/from Hawaii and Guam, and in the Wake vicinity. The main threat assessed in this brief is existing and potential development of tropical cyclone activity. This brief also provides an outlook of abnormal winds, sea state, and precipitation guidance for next 7 days around the Kwajalein Atoll. The distribution list will also receive updates on any developing tropical cyclone activity in the Kwajalein region that occur between the weekly outlook products.



Until Next Week!

