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Kurt Kualii'i, father of Elijah Kualii'i and Arianna Kualii'i, stands with his fellow salt makers, Ivan Kaneko, Tanya Kaneko and their son Taivan Kaneko, for a portrait in front of the Hanapepe salt patch on Thursday, July 13, 2023, in Hanapepe, Hawaii. (AP/Jessie Wardarski)

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On a warm summer afternoon, Tina Taniguchi was on her hands and knees scraping dirt off an oblong depression in the ground. Thick brown hair peeked out from her coconut leaf hat. Splotches of mud stuck to her T-shirt and speckled her smiling face.

Taniguchi smiles a lot when she's working in her corner of the Hanapepe salt patch on the west side of Kauai — a terracotta plot of land about the size of a football field — dappled with elliptical pools of brine, crystallizing in clay beds.

"It's hard work, but for me it's also play," Taniguchi said, adding with a laugh, "I play in the mud all day."

Taniguchi's family is one of 22 who over generations have dedicated themselves to the cultural and spiritual practice of "paakai," the Hawaiian word for salt. This is one of the last remaining salt patches in [Hawaii](#). Its sacred salt can be traded or given away, but must never be sold. Hawaiians use it in cooking, healing, rituals and as protection.

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Over the past decade, this tract has been under constant threat due to development, pollution from a neighboring airfield, sand erosion from vehicle traffic and littering by visitors to the adjacent beach.

In addition, [climate change](#) threatens to obliterate the practice with rising sea levels and modified weather patterns. This year, the salt-making season lasted barely three months from July to September because of above-average rainfall. During a good year, work typically begins in May and ends in November.

Taniguchi drives about an hour to get here. For her, it's church and play rolled into one — the time she forges a spiritual connection to the land.

"This would be a religious practice of mine for sure," Taniguchi said. "My dad raised us saying that these mountains are his church, and the ocean is where you get cleansed."

Malia Nobrega-Olivera's grandfather was instrumental in forming the group of salt-making families called Hui Hana Paakai. She is also an educator and activist who leads efforts to preserve this centuries-old tradition. The organization's goal, she said, is to speak with a collective voice when communicating with the landowner, the state of Hawaii, whenever issues arise. Nobrega-Olivera said the salt patch is part of lands taken away from Native Hawaiians after the U.S.-backed overthrow of Hawaii's monarchy in 1893.



An arial view of the Hanapepe salt patch near Salt Pond Beach Park on Tuesday, July 11, 2023, in Hanapepe, Hawaii. The existence of this salt patch is being threatened by climate change, rising sea levels and pollution. (AP/Jessie Wardarski)

"Regardless of what a piece of paper might say, we are stewards of the area and this land is our 'kupuna' (elder)," she said.

Nobrega-Olivera looks fondly at black-and-white photos of her grandparents, uncles and aunts from about five decades ago, standing near hillocks of shimmering salt.

Back then, they would give away 5-gallon buckets. Today, they hand out salt in sandwich bags. Trading salt for other items continues to this day, she said, adding that her late father once traded salt with a man who was selling piglets on Craigslist.

Born from the need to preserve fish and other meats, the [process of turning sea water into salt](#) can be slow and grueling. The season begins once rain stops and waters recede, exposing the salt beds. Ocean water travels underground and enters the wells. Each family has their own well, known as a "puna." As water enters the well, so do tiny, red brine shrimp, giving Hanapepe salt its unique sweetness, said Nobrega-Olivera.

Eventually, water from the wells is moved into the salt beds, which have been cleaned and lined with rich black clay. There, layers of salt crystals form. Typically, the top layer, which is the whitest, is used as table salt. The middle layer, pinkish, is used in cooking while the bottom layer, with a deep red hue, is used in blessings and rituals.



Malia Nobrega-Olivera shows a photo of her grandparents making Hawaiian salt, or "paakai," while sitting at Salt Pond Beach Park in Hanapepe, Hawaii on Sunday, July

10, 2023. (AP/Jessie Wardarski)

After the [Maui fires](#) in August that claimed 100 lives, spiritual practitioners there specifically requested white Hanapepe salt from Nobrega-Olivera to bless and "calm" the traumatized island, particularly areas that housed makeshift morgues. The salt makers continue to send their salt to survivors who are rebuilding their lives, so they can "make their food delicious and bring some of that joy into their lives," she said.

Nobrega-Olivera believes Hanapepe salt has the power to ward off bad energy.

"When I walk into a difficult meeting, I put a salt crystal on my tongue as a reminder to watch my words."

Many of the salt-making families are Christian. Nobrega-Olivera said reconciling their Christian faith with their spirituality as Native Hawaiians can be challenging, but it happens organically.

"There are some gatherings where we may honor our deities," she said. "Other occasions may call for a Christian prayer in Hawaiian or English, or both. You do what feels right for that space."

Nobrega-Olivera believes Western science and Indigenous knowledge can combine to combat the effects of climate change and save the salt patch. The steps include building up the wells' edges so when [sea levels rise](#), the water won't inundate the area. Another important step: preventing sand dune erosion from vehicle traffic to the beach, which causes the waves to crest and flood the patch.



Malia Nobrega-Olivera, a Native Hawaiian salt maker, holds Hawaiian salt, or "paakai," on Monday, July 10, 2023, in Hanapepe, Hawaii. An important part of this cultural and spiritual practice is that this salt can only be traded or given away, not sold. (AP/Jessie Wardarski)

"Some ask us why we can't move this practice to a different location," she said. "That's impossible because our cultural practice is particular to this land. There are elements here that make this place special for making this type of salt. You cannot find that anywhere else."

Those working on the salt patches enter with reverence. Nobrega-Olivera said menstruating women typically do not come and red clothes are avoided.

Kanani Santos said he removes his shoes before entering because he likes to "be connected to the ground." He enjoys walking there at sunset, when the brick-red patch of land appears bathed in gold and the salt crystals sparkle like magic dust.

"I say a little prayer, ask for blessings to have a good harvest, to have a quiet soul and to embrace the moment," he said.

Kurt Kualii'i, a chef whose family has made salt for 10 generations, choked up when speaking about this as his "kuleana," which means responsibility.

"I get moments of silence here like church," he said. "I believe in akua (god), a higher power. This is where I come to connect with that higher power, teach the children and be with family. There's good energy here."



Roz Choi, left, and friend Eddie Topenio, tend to Choi's family salt beds on Sunday, July 9, 2023, in Hanapepe, Hawaii. The Choi family is one of 22 who over generations have dedicated themselves to the cultural and spiritual practice of "paakai," or Hawaiian salt. (AP/Jessie Wardarski)

Even when rain disrupts an entire day's work, Kualii'i says he knows it's "God telling us it's not time yet, to slow down." The best part of salt making is giving it all away, he said.

"Sharing is Hawaiian. This is something you make with your hands. I may not be the best at everything, but I can make Hawaiian salt."

Kane Turalde has been coming to the salt patch since he was 7. He is 68 now, a Native Hawaiian educator and canoe-racing coach. He has protested in the past to block luxury homes and other development near the salt patch, which he says would have created more traffic and pollution.

"I always come here in the spirit of akua," he said. "Before I leave home, I call my ancestors here so when I arrive, they are here."



Kane Turalde reaches into a salt bed to examine the salt crystals on Friday, July 14, 2023, in Hanapepe, Hawaii. Climate change, air pollution and littering by tourists and visitors are all threats to this practice, but the 22 families who continue this tradition are fighting to keep these threats at bay and pass on this sacred practice to future generations. (AP/Jessie Wardarski)

In his family's home, Turalde's grandmother kept a bowl of salt by the door. Everyone would take a pinch and say a prayer before going out, for protection, he said.

With the resurgence of Hawaiian culture and language on the islands, Nobrega-Olivera said she now thinks about how to transmit this knowledge to younger generations.

One way she honors the Hanapepe salt patch is by composing "mele," or Hawaiian songs and chants. She recently taught some school children one of those chants whose chorus is "aloha aina," which means "love of the land." Her eyes welled up as she saw their enthusiasm to learn the mele.

"Aloha aina captures our philosophy, the reason we do this," Nobrega-Olivera said. "You take care of the land, and the land takes care of you."