

Heat

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"This trend will only further accelerate with global warming," said Thomas Frolicher, a climate scientist at the University of Bern in Switzerland, who led the research.

His team defined marine heat waves as extreme events in which sea-surface temperatures exceeded the 99th

Great Barrier Reef — with significant consequences for other creatures dependent upon the reef.

"One in every four fish in the ocean lives in or around coral reefs," said Ove Hoegh-Guldberg, a marine biologist at the University of Queensland. "So much of the ocean's biodiver-

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percentile of measurements for a given location. Because oceans both absorb and release heat more slowly than air, most marine heat waves last for at least several days — and some for several weeks, said Frolicher.

"We knew that average temperatures were rising. What we haven't focused on before is that the rise in the average comes at you in clumps of very hot days — a shock of several days or weeks of very high temperatures," said Michael Oppenheimer, a Princeton University climate scientist who was not involved in the study.

Many sea critters have evolved to survive within a fairly narrow band of temperatures compared to creatures on land, and even incremental warming can be disruptive.

Some free-swimming sea animals like bat rays or lobsters may shift their routines. But stationary organisms like coral reefs and kelp forests "are in real peril," said Michael Burrows, an ecologist at the Scottish Marine Institute, who was not part of the research.

In 2016 and 2017, persistent high ocean temperatures off eastern Australia killed off as much as half of the shallow water corals of the

sity depends upon a fairly small amount of the ocean floor."

The latest study in Nature relied on satellite data and other records of sea-surface temperatures including from ships and buoys.

It didn't include the recent record-breaking measurements off Scripps Pier in San Diego — which reached 79.5 degrees Fahrenheit on August 9 — but Frolicher and Miller said the event was an example of a marine heat wave.

Miller said he knew something was odd when he spotted a school of bat rays — which typically only congregate in pockets of warm water — swimming just off the pier earlier this month.

Changes in ocean circulation associated with warmer surface waters will likely mean decreased production of phytoplankton — the tiny organisms that form the basis of the marine food web, he said.

Marine biologists nicknamed a patch of persistent high temperatures in the Pacific Ocean between 2013 and 2016 "the Blob." During that period, decreased phytoplankton production led to a cascading lack of food for many species, causing thousands of California sea lion pups to starve, said Miller.



PHOTO BY SUSAN FRIED

South Seattle Police Precinct Picnic

Seattle Police Chief Carmen Best enjoys herself during the South Seattle Police Precinct picnic Aug. 12 at Holly Park Community Church.

Sanctuary

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grants safe from profiling.

Called "Oregonians United Against Profiling," the campaign launched last month to protect the state's sanctuary status from being thrown out if Measure 105 is passed in November.

"The optimism is great, but we need to be cautious with that, because no election result is guaranteed," Andrea Williams, executive director of Causa Oregon, told *The Skanner*. Her organization, which works to protect Latino immigrants' rights, is behind the formation of the new campaign.

"We have to remain very involved because you never want to underestimate the power of your opponents," she continued.

Those opponents include the Repeal Oregon Sanctuary Law Committee which, according to Ballotpedia, has received a total of \$336,582 in contributions. Its top donor is the Federation for American Immigration Reform (FAIR), which pitched in \$177,800.

FAIR, along with measure supporter Oregonians for Immigration Reform (OFIR), have both been identified as "extremist hate groups" by the Southern Poverty Law Center.

Measure 105 was initially proposed by three republican repre-

sentatives — Sal Esquivel (District 6), Mike Nearman (District-23), and Greg Barreto (District 58) — with the intention of removing the sanctuary law through voter approval.

If they're successful, Williams fears that Oregon could become a "show me your papers"

“Williams fears that Oregon could become a 'show me your papers' state

state, where an individual can be stopped, detained or interrogated just because someone else thinks they might be an undocumented immigrant.

Oregon's "sanctuary" law was originally passed in 1987 with the near unanimous support of state republicans and democrats. The sanctuary status delineates between the roles of local and federal law enforcement related to immigration. Moreover, it gives clear guidance to local police on how to handle complex immigration policy.

Simply put, Oregon police and personnel — as well as state funds, equipment and facilities — cannot be used for activities that are the

responsibility of federal immigration agents.

The law was initially approved to cease unfair racial profiling of those presumed to be undocumented individuals residing in Oregon, a practice which put strain on local resources.

"Local police are already stretched too thin, 911 calls in rural communities are going unanswered, and budgets are tight. We shouldn't divert Oregon taxpayer money to do the job of federal immigration enforcement," stated mayor of Silverton Kyle Palmer on the campaign's website.

Advocates maintain that the state's "sanctuary status" does not mean, however, that Oregon law enforcement will turn a blind eye to crimes committed by individuals, including undocumented immigrants.

Instead, the sanctuary law mandates that police cannot arrest someone solely based on suspicions about their immigration status.

"If you read the actual law that was passed... when somebody has actually committed a crime, then local police and federal immigration can work together," Williams said.

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Strong

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before slavery or colonization, and her portfolio includes several African-inspired designs.

That interest intersects with Strong's passion for social justice and for helping marginalized communities. She isn't sure exactly what she wants to do once she's finished with her education.

"I want to be the one to tell people's stories," Strong said. She also wants to highlight images of people and styles that aren't always well represented in high fashion or in mainstream culture, and to find a way to help low-income people, women and people of color. "I think starting with the root of it all is to represent people who are underrepresented."

For now, though, Strong is looking

forward to immersing herself in Italian culture. She leaves in mid-September and classes start at the first of October. The curriculum starts with coursework in sewing and design, and allows

“I want to be the one to tell people's stories

for collaboration between students with different concentrations.

"I kind of don't have an expectation for what I experience, Strong said. "I want to be open and sensitive."

Strong is also not afraid to create art that causes a stir. Her portfolio includes a series of charcoal drawings

focused on childbirth, the first of which was controversial when they were part of a student art display at Clackamas High School. (She later transferred to a virtual academy before enrolling at De La Salle.) The initial kerfuffle made her double down and add to the series; while the scenes show partial nudity, they just portray real life, she said.

"Everything I do kind of stems from that rebellion and pride. I'm very proud of where I come from and who I come from," Strong said.



PHOTO BY CHRISTEN MCCURDY

McKenzie Strong leaves for Florence, Italy in mid-September to begin studying fashion design at Polimoda School this fall. Strong is interested in the intersection between fashion, history, storytelling and social justice.