

State gives OSU core sample collection

By HILLARY BORRUD
Capital Bureau

Oregon State University researchers received an unusual gift in July — nearly 20 pallets of rock and sediment samples drilled at sites around the state.

The core samples came from the Oregon Department of Geology and Mineral Industries, which researches geologic hazards such as earthquakes and also regulates mining and drilling. Officials looking for budget savings decided to seek a new home for the rock and sediment samples, which state geologists had collected over decades of regulating.

Scientists at the agency and Oregon universities said it was an important step to preserve geologic records for future research and mineral exploration.

The University of Oregon paid the cost to move the core samples from Albany to the core sample warehouse at Oregon State University in Corvallis.

Mark Reed, a professor of geology at the University of Oregon, researches ore deposits and geothermal energy. Reed said he would be particularly interested in the samples drilled by companies exploring for geothermal energy.

"I'd be thrilled to have access to a core like that," Reed said.

Significant investment

Clark Niewendorp, industrial minerals geologist at the Oregon Department of Geology and Mineral Industries, said drilling core samples is a significant investment.

"An oil well costs a couple hundred thousands of dollars to drill," Niewendorp said. "(A core sample) has value in the future of just a storehouse of geologic information. It's

a shame to throw that stuff out the door."

Reed said the cost to produce a new core sample can range "from hundreds of thousands into several millions, depending on how deep the hole and what the setting is."

"As scientific specimens, core is really valuable in that sense," Reed said. "Now the question is, would anybody ever want to look at it again? If the answer is no, then you're wasting your time storing it."

Nick Piasis, emeritus professor of oceanography at Oregon State University and former director of its core laboratory, said there is significant demand from researchers who want samples of the cores. The university's core warehouse — which historically held mostly samples from beneath oceans and lakes — is funded by the National Science Foundation.

"In a good year, we've given out 15,000 samples," Piasis said. "We have samples that were taken in 1966, so they're 50 years old plus or minus and people still are using these samples. So it's a resource for people who are asking scientific questions about the environment and about the earth."

Collection has grown

Since 1972, Oregon mine reclamation regulations required operators to submit a well record "that included coring cuttings as they were gathered," Niewendorp said. The materials remain confidential for four years if they are from oil and gas well, and five years if they are from geothermal wells. For example, Niewendorp said cores from geothermal exploration at Newberry Volcano in central Oregon will soon become public records if the company that drilled them offers them to the state.

The Capital Bureau is a collaboration between EO Media Group and Pamplin Media Group.

Moratorium lifted today on Columbia River sturgeon fishing

The Daily Astorian

OLYMPIA, Wash. — Fishery managers in Washington state and Oregon have rescinded a moratorium on sturgeon fishing in the Columbia River Basin.

Water temperatures have now returned to normal, ending the warm-water conditions that

killed more than 80 sturgeon on the Columbia River and threatened many more, said Guy Norman, region manager for the Washington Department of Fish and Wildlife.

"The extreme conditions that was subjecting sturgeon to stress have passed," Norman said in a statement. "We believe it's safe to reopen fishing

in areas of the river closed since mid-July."

Due to the states' action, anglers may again catch and release sturgeon on the Columbia River and its tributaries above Bonneville Dam. However, anglers must release any sturgeon they catch for now, because no scheduled sturgeon-retention seasons are open, Norman said.

OBITUARIES

Edwin John Boyer Astoria

Dec. 26, 1979 — Aug. 25, 2015

Edwin John Boyer, 35, died in Astoria, Ore., on Tuesday, Aug. 25, 2015.

Edwin was born in Corvallis, Ore., to Deborah Boyer and Edwin Hepfner, and was later adopted by Daniel Boyer. He was raised in the Astoria and Seaside area. He was the younger of two children.

Edwin met the love of his life, Katy, in 2013 and they were married June 3, 2014, in Tillamook, Ore.

In addition to his wife, he is survived by his parents; his children, Dallas, Kaitlynn, Emma and Jakob; his sister, Paula Ramirez; numerous aunts,



Edwin Boyer

uncles, nieces, nephews and cousins; and his best friend, Chris Fitzpatrick.

Edwin loved the outdoors; he loved fishing and hiking, working on cars and bikes. He loved spending time with family and friends, and was always willing to help anyone in need. Edwin will be remembered by his loving, caring personality, and his amazing sense of humor.

A celebration of life will be held at a later date.

Please visit www.hughes-ransom.com to sign guest book.

ACCUWEATHER® FORECAST FOR ASTORIA

Astoria 5-Day Forecast

Tonight
Mostly cloudy with a little rain
51°

Shown is tomorrow's weather. Temperatures are tonight's lows and tomorrow's highs

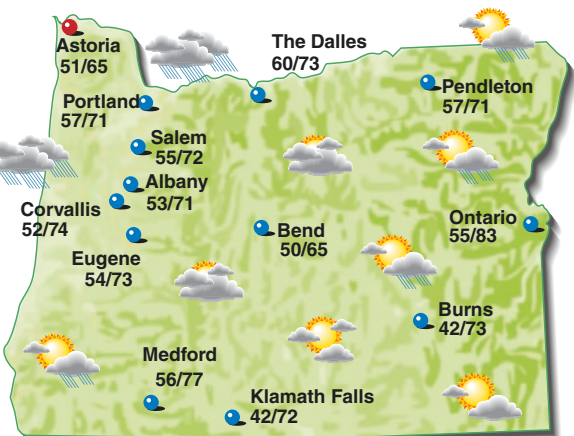
Wednesday
Mostly cloudy with a bit of rain
65° 48°

Thursday
Clouds and sun with a shower
65° 47°

Friday
Mostly cloudy with a passing shower
67° 48°

Saturday
Pleasant with partial sunshine
69° 50°

Oregon Weather



Forecasts and graphics provided by AccuWeather, Inc. ©2015

Almanac

Astoria through Monday.

Temperatures

High	67°
Low	61°
Normal high	69°
Normal low	52°

Precipitation

Yesterday	0.08"
Month to date	1.25"
Normal month to date	1.16"
Year to date	29.03"
Normal year to date	38.10"

Sun and Moon

Sunset tonight	7:55 p.m.
Sunrise Wednesday	6:36 a.m.
Moonrise today	9:42 p.m.
Moonset today	10:16 a.m.



Regional Cities

City	Hi	Lo	W	Wed.	Hi	Lo	W
Baker City	84	43	pc	70	40	pc	
Bend	77	50	pc	65	36	c	
Brookings	68	55	c	66	51	pc	
Eugene	77	54	sh	73	46	r	
Ilwaco	63	55	r	64	53	r	
Klamath Falls	81	42	s	72	39	pc	
Medford	87	56	pc	77	49	pc	
Newport	64	52	c	63	48	r	
North Bend	70	55	c	65	50	c	

City	Hi	Lo	W	Wed.	Hi	Lo	W
Olympia	65	49	r	65	46	r	
Pendleton	79	57	pc	71	48	pc	
Portland	74	57	sh	71	53	r	
Roseburg	80	58	c	73	51	c	
Salem	75	55	sh	72	48	r	
Seaside	64	54	r	65	52	r	
Spokane	72	54	c	68	44	c	
Vancouver	73	55	sh	70	51	r	
Yakima	80	52	c	74	42	c	

Under the Sky

Tonight's Sky: Neptune is at opposition, with the distance of 2.6 billion miles away from earth, at faint magnitude 9, located in Aquarius due south.

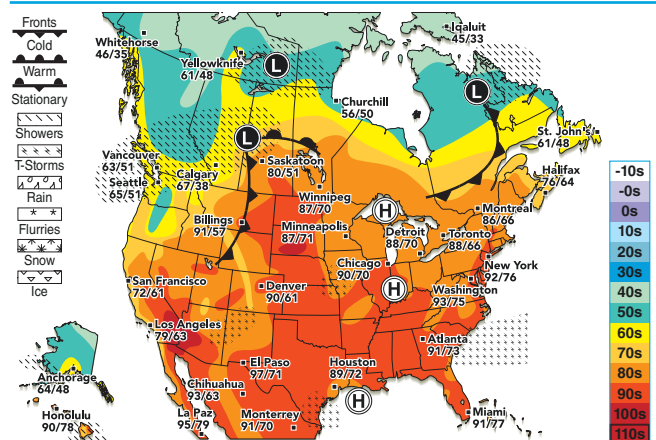
Tomorrow's Tides

Astoria / Port Docks	Time	High	Time	Low
	4:34 a.m.	8.1 ft.	10:39 a.m.	-0.1 ft.
	4:48 p.m.	8.9 ft.	11:24 p.m.	-0.5 ft.

National Cities

City	Hi	Lo	W	Wed.	Hi	Lo	W
Atlanta	89	72	pc	91	73	pc	
Boston	79	66	s	88	70	s	
Chicago	89	70	pc	90	70	pc	
Denver	88	59	t	90	61	pc	
Des Moines	90	72	pc	88	70	pc	
Detroit	87	70	pc	88	70	pc	
El Paso	98	71	t	97	71	pc	
Fairbanks	52	31	pc	59	41	s	
Honolulu	91	78	sh	90	78	t	
Indianapolis	87	69	t	90	70	pc	
Kansas City	89	71	pc	89	71	s	
Las Vegas	100	75	pc	99	74	s	
Los Angeles	82	65	pc	79	63	pc	
Memphis	93	75	pc	95	75	pc	
Miami	92	78	pc	91	77	t	
Nashville	90	70	pc	93	72	pc	
New Orleans	93	76	pc	91	76	t	
New York	92	75	s	92	76	s	
Oklahoma City	92	71	pc	92	71	s	
Philadelphia	93	73	s	94	76	s	
St. Louis	93	74	pc	94	75	pc	
Salt Lake City	92	70	pc	93	69	s	
San Francisco	72	61	pc	72	61	pc	
Seattle	67	53	r	65	51	r	
Washington, DC	93	75	s	93	75	pc	

Tomorrow's National Weather



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Lotteries

OREGON

Monday's Pick 4:
1 p.m.: 6-4-5-2
4 p.m.: 4-4-6-5
7 p.m.: 9-5-9-0
10 p.m.: 8-6-6-3
Monday's Megabucks: 4-13-19-29-32-48
 Estimated jackpot: \$1.4 million.

WASHINGTON

Monday's Daily Game: 4-6-7
Monday's Hit 5: 03-08-13-25-34
 Estimated jackpot: \$100,000
Monday's Keno: 01-02-06-07-16-21-31-33-39-42-47-49-51-57-59-61-69-73-74-80
Monday's Lotto: 03-06-12-13-23-31
 Estimated jackpot: \$3.3 million
Monday's Match 4: 02-04-06-19

Deaths

Aug. 31, 2015

HARRISON, Catherine T., 88, of Astoria, died in Astoria. Caldwell's Luce-Layton Mortuary in Astoria is in charge of the arrangements.

SMITH, Alfred Glenn, 79, of Dallas, formerly of Astoria, died in Salem. A private celebration of life will be held at a later date. Farnstrom Mortuary in Independence is in charge of the arrangements. An online guest book may be signed at www.FarnstromMortuary.com

On the record

Assault

Late Friday, Seaside Police arrested Eva Guzman, 34, on one count each of fourth-degree assault and harassment.

Around 8 p.m. Sunday, Seaside Police arrested Jarrod Klassen, 28, on one count each of fourth-degree assault, harassment and strangulation.

Tuesday morning, Seaside Police arrested Logan Douglas Holt, 27, on one count each of fourth-degree

assault, disorderly conduct, harassment and strangulation.

Tuesday morning, Seaside Police arrested Lynn Brent Schafer, 66, on one count each of fourth-degree assault, harassment and strangulation.

DUI

At 11:49 p.m. Saturday, the Oregon State Police arrested Richard L. Vandenburg, 58, for driving under the influence of intoxicants.

At 1:17 a.m. Sunday, the Astoria Police Department arrested Jesse Alan Kinman, 25, for driving under the influence of intoxicants at 16th Street and Marine Drive.

Guiding without license

Monday afternoon, the Clatsop County Sheriff's Office arrested Jackson Lee Chapman, 69, for guided fishing without a guide regulation.

Public meetings

TUESDAY

Seaside Community and Senior Commission, 10 a.m., Bob Chisholm Community Center, 1225 Avenue A, Seaside.

Seaside Library Board, 4:30 p.m., Seaside Library, 1131 Broadway, Seaside.

Port of Astoria Commission, 5 p.m., workshop, 422 Gateway Ave., Suite 100.

Cannon Beach City Council, 6 p.m., City Hall, 163 E. Gower St., Cannon Beach.

WEDNESDAY

Warrenton administrative hearing, 5 p.m., Oregon LNG, Warrenton Community Center, 170 S.W. Third St., Warrenton.

Clatsop County Board of Commissioners, 6 p.m., special meeting, interim county manager, Judge Guy Boyington Building, 857 Commercial St.

Gearhart City Council, 7 p.m., City Hall, 698 Pacific Way, Gearhart.

CORRECTION

Boat misidentified — The U.S. Coast Guard motor lifeboat Triumph rolled over while towing a

fishing vessel on Jan. 12, 1961, killing five Coast Guardsmen. The name of the boat was incorrect in

a photo caption on page 16 of a special section on the Coast Guard published Friday.

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www.dailyastorian.com

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