

Young salmon risk 'gas bubble trauma' on trip to Pacific Ocean

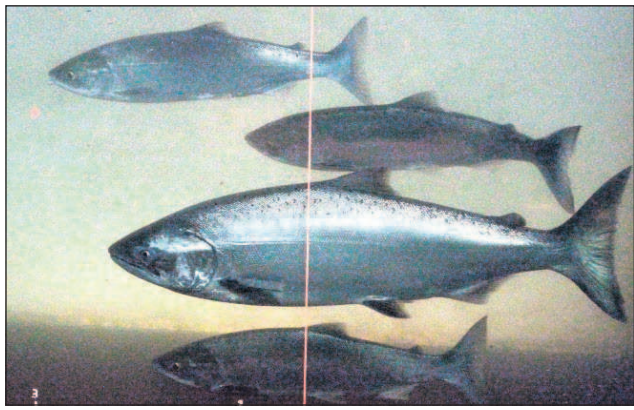
Potentially lethal problem at spillways

By KEITH RIDLER
Associated Press

BOISE, Idaho — Young salmon and steelhead migrating from the Columbia River Basin in unusually high flows face a potentially lethal problem in spillways at dams where increased nitrogen in the water can cause tissue-damaging trauma.

However, managers of fisheries say special features at dams meant to reduce nitrogen will help the fish make it to the ocean, and survival should be about average based on previous high-flow years.

Like natural waterfalls, a dam's spillway increases dissolved gas, including nitrogen, in water when it smashes



AP Photo/Rick Bowmer

A Chinook salmon swims in the Columbia River with sockeye salmon at the Bonneville Dam fish-counting window near North Bonneville, Wash.

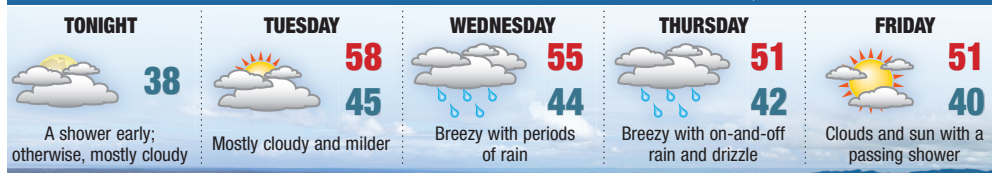
into other water below. The nitrogen can cause bubbles to form inside fish, similar to the condition that human divers experience when they get the bends.

The standard for total dissolved gas considered safe for fish is 110 percent. Dams on the Columbia and Snake riv-

ers have been near or above 120 percent in recent weeks.

"We're seeing elevated symptoms of gas bubble trauma," said Ritchie Graves of the National Oceanic and Atmospheric Administration. "But I wouldn't say something horrible is happening at this stage."

FIVE-DAY FORECAST FOR ASTORIA



ALMANAC

Astoria through Sunday.

Temperatures	
High/low	55°/39°
Normal high/low	56°/40°
Record high	77° in 1959
Record low	32° in 1982
Precipitation	
Sunday	0.20"
Month to date	3.09"
Normal month to date	1.80"
Year to date	35.42"
Normal year to date	26.64"

SUN AND MOON

Sunset tonight	7:56 p.m.
Sunrise Tuesday	6:36 a.m.
Moonrise today	7:35 p.m.
Moonsset today	6:44 a.m.



UNDER THE SKY

Tonight's Sky: The full "pink" moon (11:08 p.m.), will be within the constellation of Virgo.

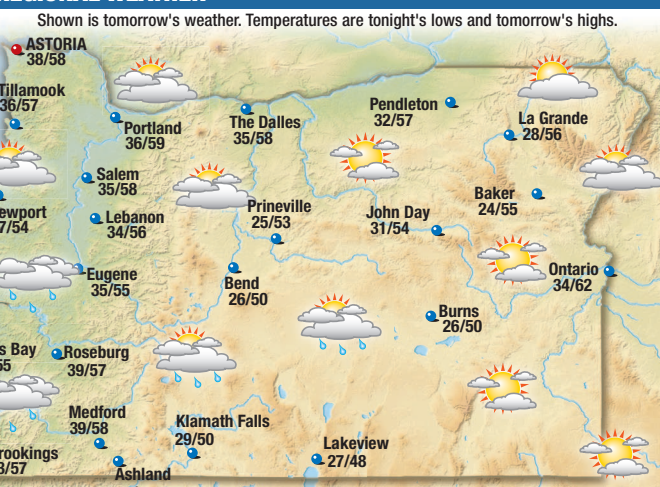
TOMORROW'S TIDES

Time	High	Time	Low
2:10 a.m.	8.8 ft.	8:36 a.m.	0.1 ft.
2:39 p.m.	8.0 ft.	8:39 p.m.	1.1 ft.

NATIONAL CITIES

City	Hi	Lo	W	Tues.
Atlanta	79	56	s	80 60 s
Boston	72	52	s	80 53 s
Chicago	75	44	t	57 39 s
Denver	60	33	s	69 43 s
Des Moines	62	39	pc	59 44 s
Detroit	76	58	pc	64 41 pc
El Paso	81	55	s	84 60 s
Fairbanks	48	21	pc	44 17 s
Honolulu	83	73	pc	84 73 pc
Indianapolis	76	57	pc	67 43 pc
Kansas City	68	39	s	63 46 s
Las Vegas	76	55	pc	82 57 s
Los Angeles	77	53	s	75 55 pc
Memphis	79	63	pc	70 58 t
Miami	81	71	pc	82 71 pc
Nashville	82	59	s	75 56 c
New Orleans	78	64	pc	81 63 c
New York	76	54	s	78 57 s
Oklahoma City	73	45	pc	72 49 s
Philadelphia	81	55	s	84 60 s
St. Louis	77	50	c	67 47 pc
Salt Lake City	58	39	s	63 45 s
San Francisco	64	49	pc	67 56 c
Seattle	51	39	sh	56 44 pc
Washington, DC	83	59	sh	83 62 pc

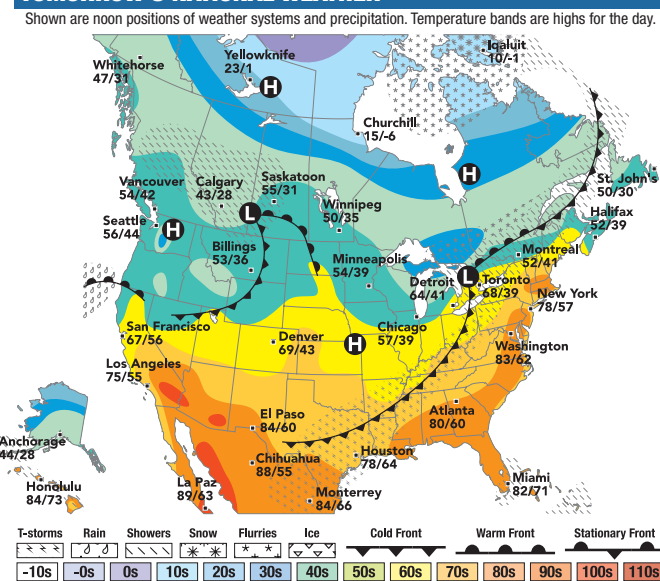
REGIONAL WEATHER



REGIONAL CITIES

City	Hi	Lo	W	Tues.
Baker City	51	24	sn	55 39 c
Bend	49	26	pc	50 37 pc
Brookings	54	43	sh	54 47 r
Eugene	55	35	sh	55 46 c
Ilwaco	50	40	sh	56 46 c
Klamath Falls	52	29	c	50 39 pc
Medford	60	39	sh	58 45 r
Newberg	54	35	sh	58 45 c
Newport	51	37	sh	54 45 c
North Bend	54	41	sh	56 48 r
Olympia	51	33	sh	57 41 pc
Pendleton	54	32	c	57 43 pc
Portland	55	36	sh	59 47 c
Roseburg	58	39	sh	57 48 c
Salem	55	35	sh	58 46 c
Seaside	50	39	sh	56 47 c
Spokane	48	29	sh	52 38 pc
Springfield	55	36	sh	55 46 c
Vancouver	54	36	sh	58 46 c
Yakima	60	30	c	59 43 pc

TOMORROW'S NATIONAL WEATHER



Cannon Beach considers time limits on parking

Details still under review

By BRENNIA VISSER
The Daily Astorian

CANNON BEACH — Looking to make more efficient use of parking spaces downtown, Cannon Beach may set time limits.

The City Council voted last week to change the wording of an ordinance to clarify that a driver moving a car within the same block or parking lot does not count as starting over with a new time limit. The old language was less specific, and defining it allows the city to enforce parking rules, City Manager Brant Kucera said.

"It basically prevents musical cars," he said.

The change, which was passed unanimously on Tuesday, was inspired by a goal in the city's strategic plan to create 50 parking spaces

downtown.

The solution to that, Kucera said, is contracting out a parking study to evaluate the percentage of time parking spaces are vacant. A consulting firm already has started counting cars on Spruce and Hemlock streets between First and Third avenues.

"What will happen is by timing parking we will create more spaces. It will be a more effective and efficient use of space," Kucera said.

A report is expected by mid-May outlining an accurate picture of how parking is used downtown. Then a calculation factoring the difference between the occupancy without timed parking versus occupancy in a timed space will determine the vacancy rate, which translates into the number of new parking spots created.

The cost of the study is capped at \$13,700.

"We look at this problem

often anecdotally, but until you count cars you can't say empirically what kind of parking problem we have," Kucera said.

Where timed parking will be located, how long it will be and whether or not it will be applied seasonally just for the summer months are still all options to be discussed after the study. Parking enforcement would still be under the jurisdiction of the Cannon Beach Police Department.

"All this ordinance does is allow us to explore what works and what doesn't," Mayor Sam Steidel said during the City Council meeting.

City Councilor Nancy McCarthy voted to adopt the ordinance, but requested the council be a part of the discussion on exactly where and when rules would be implemented.

"I think there needs to be a lot of notice for the public," she said.

Warrenton man allegedly recorded young women

The Daily Astorian

A Warrenton man has been arrested in connection to a series of "peeping Tom" incidents at the Surf Pines gated community.

Beginning in January 2016, Kirk Richard Caze, 55, allegedly peered into bedrooms of multiple young women. He also allegedly recorded the women as they dressed, slept and engaged in personal activities. Of the five total alleged victims,

three are under 18 years old.

The Clatsop County Sheriff's Office has responded to nine reports in connection to the case.

Caze was arrested in February after a resident turned in video footage from a surveillance system, which allegedly revealed he was looking into windows. That same week, a resident reported confronting a person who appeared to be Caze in their backyard.

He was arrested for two counts of criminal trespass

and released.

Following his latest arrest Friday, Caze has been charged with numerous counts of invasion of personal privacy, using a child in a sexually explicit display, encouraging child sex abuse, criminal trespass and stalking.

The case is still being investigated, and anyone with information can call Detective Ryan J. Humphrey at 503-325-8635 or rhumphrey@co.clatsop.or.us.

Salty Talks presents 'Secret Life of Crabs'

The Daily Astorian

ILWACO, Wash. — Salty Talks presents "Secret Life of Crabs" at 6:30 p.m. Wednesday at the Salt Hotel & Pub, 147 Howerton Ave.

Curtis Roegner, a National Oceanic and Atmospheric Administration research fishery biologist, discusses the results of a research group's findings in a study of Dunge-

ness crabs, and presents video and animation of recent experiments in the nearshore zone of the Columbia River.

Roegner studied oysters at the Virginia Institute of Marine Science for his master's degree, and studied clams at Dalhousie University for his Ph.D. He has been working at Northwest Fisheries Science Center's Point Adams research station since

July 2001.

There is no cost for this event. Salty Talks are presented in partnership with the Salt Pub & Hotel, Columbia Pacific Heritage Museum, Washington State Parks and Recreation Commission, Lewis and Clark National Historical Park, and with support from the Friends of Columbia River Gateway, and the Port of Ilwaco.

DEATHS

April 7, 2017

LEPPINEN, Eleanor Marie, 90, of Longview, Washington, formerly of Astoria, died in Longview. Caldwell's Luce-Layton Mortuary in Astoria is in charge of the arrangements.

April 5, 2017

SHAFFER, Edward Andrew, 29, of Astoria, died in Astoria. Ocean View Funeral & Cremation Service of Astoria is in charge of the arrangements.

PUBLIC MEETINGS

MONDAY
Youngs River Lewis & Clark Water District Board, 6 p.m., 34583 U.S. Highway 101 Business.
Cannon Beach Rural Fire Department Board, 6 p.m., Fire-Rescue Main Station, 188 Sunset Ave.
Jewell School Board, 6 p.m. special meeting, Jewell School Library, 83874 Oregon Highway 103.
Seaside City Council, 7 p.m., City Hall, 989 Broadway.

TUESDAY
Clatsop County Planning Commission, 10 a.m., Judge Guy Boyington Building, 857 Commercial St., Astoria.
Warrenton City Commission, 5 p.m., work session on asset sales, 6 p.m., regular meeting, City Hall, 225 S. Main Ave.
Cannon Beach City Council, 5:30 p.m., work session, City Hall, 163 E. Gower St.
Clatsop Community College Board, 5:30 p.m. Patriot Hall tour, 6:30 p.m. regular meeting, Columbia Hall Room 219, 1651 Lexington Ave., Astoria.
Lewis & Clark Fire Department Board, 7 p.m., main fire station, 34571 Highway 101 Business.
Warrenton-Hammond School Board, 7 p.m., Warrenton High School library, 1700 S. Main Ave.

LOTTERIES

OREGON
Sunday's Pick 4:
1 p.m.: 9-7-6-8
4 p.m.: 7-9-0-6
7 p.m.: 6-8-0-0
10 p.m.: 8-4-2-9
Saturday's Megabucks: 4-5-8-13-36-47
 Estimated jackpot: \$3.4 million
Saturday's Powerball: 23-36-51-53-60,
 Powerball: 15
 Estimated jackpot: \$60 million
Saturday's Pick 4:
1 p.m.: 4-8-6-4
4 p.m.: 0-0-9-5
7 p.m.: 3-5-6-8
10 p.m.: 5-4-8-0
Friday's Pick 4:
1 p.m.: 3-7-7-8
4 p.m.: 2-4-9-0
7 p.m.: 3-5-3-3
10 p.m.: 4-8-1-5
Friday's Mega Millions: 30-33-43-47-69,
 Mega Ball: 15
 Estimated jackpot: \$25 million

WASHINGTON
Sunday's Daily Game: 8-0-4
Sunday's Keno: 02-03-05-07-11-12-17-19-31-32-39-45-46-54-57-62-63-72-77-78
Sunday's Match 4: 08-09-11-23
Saturday's Daily Game: 5-9-1
Saturday's Hit 5: 02-24-32-33-35
 Estimated jackpot: \$240,000
Saturday's Keno: 08-13-14-16-17-20-23-34-36-40-44-51-57-61-62-63-67-75-77-80
Saturday's Lotto: 07-08-13-29-31-45
 Estimated jackpot: \$4.6 million
Saturday's Match 4: 04-15-19-21
Friday's Daily Game: 9-1-5
Friday's Keno: 02-11-14-22-24-25-27-33-37-38-39-42-43-46-48-49-58-65-74-75
Friday's Match 4: 15-19-21-24

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