



We understand why private investors are motivated to build **student-housing complexes**. College enrollment is predicted to grow and the projects pencil out as profitable even if they are not filled to capacity, particularly if tax breaks are involved. Once built and operating, they can be sold to other big-time investors to cover costs and pocket a few million bucks. But what we don't understand is why they are designed to accommodate only single students for the life of the building, say 40 to 50 years. Building bedrooms around a common kitchen and living room with minimal storage is a very inflexible design. Demographics are changing. College enrollment may be peaking. The housing needs of the future are likely to be for seniors (some in wheelchairs), couples and families. These units with their narrow doors and small rooms cannot be easily converted. Will they become run-down flop houses in 20 years, or bulldozed to build new condos? Good city planning would avoid such mono-housing.

A **Lyme disease support and education group** has formed in Eugene to serve all of Lane County. Lyme Disease Eugene Oregon is organizing public town-hall style meetings and free film showings of *Under Our Skin* and *Emergence*. The group is on Facebook or call 854-5336 to get on an email list for future events.

Free individual job-hunting help will be available from 5 to 7 pm Thursday, Jan. 8, and Thursday, Jan. 22, at the Eugene Public Library, sponsored by the library, Goodwill Industries and United Way. Also at 6 pm Jan. 8 will be "A Quick Look at QuickBooks" with Jodi Reilly of JLK Accounting & Consulting. Sponsored by the library, LCC Small Business Development Center and SCORE. Pre-register for both offerings by calling 682-5450 or see eugene-or.gov/library.

Shmuel Shalom Cohen of Conscious Torah will offer a free class intended to "help you overcome whatever is keeping you from living the life you want" at 6 pm Tuesday, Jan. 6, at Cafe Perugino, 767 Willamette St. Cohen gives classes and does one-on-one tutoring and is starting a monthly series of free drop-in classes and events that will address questions about Judaism as well as "show people a side of traditional Judaism they might not know about," he says. See conscioustorah.com or call 514-2571.

"Lane County's **Greatest Natural Disasters**" will be the topic at GreenLane Sustainable Business Network's monthly member meeting at 11:30 am Wednesday, Jan. 7, at the Eugene Hilton. Author William Sullivan will be the guest speaker, talking about Lane County's 13,000 years of human occupation through floods, earthquakes, forest fires, eruptions and tsunamis. Sullivan will address issues of disaster preparedness and the exacerbations of climate change. Lunch is optional, assuming the Hilton is still standing.

LANE COUNTY AREA SPRAY SCHEDULE

M Three Timber Company, 767-3785, plans pre-harvest hack and squirt, spraying Polaris AC on 31 acres near an unknown fish-bearing stream off of **Lynx Hollow Road**. See ODF notification 2014-781-08761 or call Brian Peterson at 935-2283 with questions.

Compiled by Jan Wroncy and Gary Hale, Forestland Dwellers: 342-8332, forestlanddwellers.org.



NEWS

CLIMATE CHANGE PROJECTED TO MOVE SALMON NORTH

Oregon's salmon might be moving toward Alaska at a rate of about 30 kilometers (19 miles) a decade, according to a study in the January 2015 issue of *Progress in Oceanography*. "Marine life is being affected by changes in ocean conditions resulting from changes in climate and chemistry triggered by combustion of fossil fuels," the study says.

This news comes as Oregon continues to debate the oil trains, coal export and liquified natural gas (LNG) pipeline and export facilities that are jockeying for position throughout the state.

It isn't just Oregon salmon that will be pushed northward by warming waters, according to the study done by scientists from National Oceanic and Atmospheric Administration (NOAA) and the universities of British Columbia and Victoria, other fish species as well as sharks and gray whales will be affected as well. This will mean some fish will disappear from the waters off the coasts of Oregon and California, fishing grounds will shift and fish communities will be altered as species enter new territories.

The study estimated changes in the distribution of 28 near-surface fish species in the northeast Pacific Ocean. The researchers used projected ocean condition changes from three different Earth System Models to forecast "how the distribution of the fish would shift by 2050 as greenhouse gases warm the atmosphere and, in turn, the ocean surface," according to a NOAA press release. Years in which El Niño is in effect and tropical influences temporarily warm the eastern Pacific, "offer a preview of what to expect as the climate warms."

Richard Brodeur, a co-author of the study and a NOAA Fisheries senior scientist, says, "As the climate warms, the species will follow the conditions they're adapted to."

Not only will fish species such as warm-water thresher sharks and chub mackerel become more prominent in the Gulf of Alaska and off British Columbia, the study projects, but also some predators such as sea lions and seabirds may find the fish they

usually prey on moving beyond their usual foraging ranges and far from their rookeries and colonies. Predators and fishermen will either have to go after a different species or shift northwards as the fish move.

According to a September study by Seattle-based think tank Sightline Institute, proposed Pacific Northwest coal, oil and gas exports would have

the carbon equivalent of more than five Keystone XL pipelines.

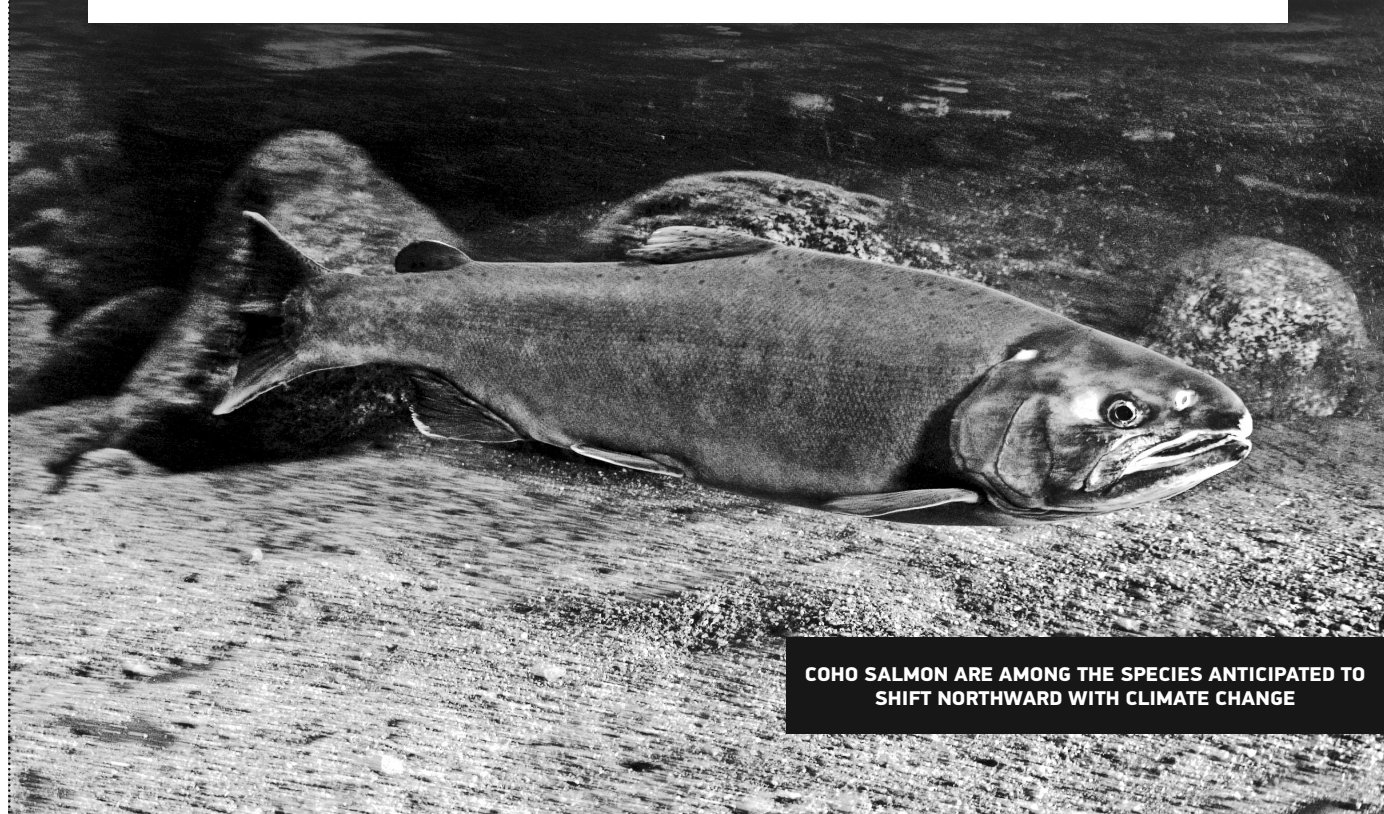
On Dec. 29, the Oregon Department of Environmental Quality announced the extension of the public comment period for the Jordan Cove Energy Project (an LNG facility) "401 water quality certification." A 401 water quality certification is required from DEQ for any federally licensed or permitted projects that may result in a discharge into navigable waters. The comment period will now close at 5 pm on Friday, March 13, 2015. For more information go to wkly.ws/1vh.

The draft environmental impact statement for the Pacific Connector Pipeline associated with Jordan Cove was released Nov. 7, and the comment period on that ends Feb. 13, 2015, go to wkly.ws/1vi to file comments. — *Camilla Mortensen*

**'As the climate warms,
the species will follow
the conditions they're
adapted to.'**

— RICHARD BRODEUR, NOAA
FISHERIES SENIOR SCIENTIST

PHOTO CREDIT: NMFS/SOUTHWEST FISHERIES SCIENCE CENTER; SALMON ECOLOGY TEAM



COHO SALMON ARE AMONG THE SPECIES ANTICIPATED TO SHIFT NORTHWARD WITH CLIMATE CHANGE