

Scientists crowdsource to stop invasive mussels

By KEITH RIDLER
Associated Press



A group of invasive zebra mussels.

U.S. Department of Agriculture

BOISE — The invasive quagga and zebra mussels have a \$100,000 bounty on their “heads.”

The federal government is offering the six-figure prize for the best suggestion on how to stop their relentless and destructive spread because scientists say they are stumped.

“We might as well give it a try,” said Sherri Pucherelli, a biologist with the U.S. Bureau of Reclamation. “Open water. That’s really where the challenge is. Nothing has been developed right now that causes complete eradication in a large water body.”

The filter-feeders that syphon in water to pluck out microscopic organisms can throw food chains out of balance, and their sheer numbers in attaching to surfaces can clog pipes at reservoirs and damage boat motors. Giant water bodies turning aquamarine blue is a sign that the base of the food chain is being depleted, risking starvation for other species, including sport fish.

Quagga mussels approach

an inch in length while zebra mussels can be about twice that size. The species are native to Russia and Ukraine, and are believed to have arrived in the U.S. in the 1980s aboard ships that released ballast water into the Great Lakes.

They attach to boats and trailers and travel long distances, and their microscopic larvae can survive in water inside a boat or even an angler’s wading boots. Also, the mussels can sense toxins and close their shells.

The Bureau of Reclamation first started dealing with the mussels after discover-

ing them in 2007 in Lake Mead in southeastern Nevada and northwestern Arizona. They’ve multiplied so fast that scientists now estimate the entire volume of the lake is filtered by the mussels every five days.

Federal officials say the only area not yet invaded in the contiguous United States is the Columbia River Basin in the Pacific Northwest. The basin is heavily used for hydroelectric power, and officials estimate it will cost \$500 million annually to prevent the mussels from clogging pipes and infrastructure.

The environmental damage to the food chain could further strain struggling runs of salmon and steelhead in the basin where more than a dozen species are listed under the Endangered Species Act.

The mussels are getting close to the basin. Sampling last fall found larvae of quagga or zebra mussels at Tiber Reservoir in north-central Montana. It was the first positive test in the state.

Federal and state agencies have mostly tried to contain the spread of mussels, typically with boat inspections. The goal of the prize competition is eradicate mussels in large water bodies. The deadline for ideas is Feb. 28.

Specifically, federal scientists are seeking a solution that kills 100 percent of the mussels in large water bodies, is cost-effective and environmentally sound. That means native species must survive whatever kills the invasive mussels.

“We can kill mussels,” said David Raff, science adviser at the Bureau of Reclamation. “Chlorine is very effective. But you can’t dump chlorine into a reservoir.”

Gearhart man accused of child pornography

He allegedly tried to sell the material

By JACK HEFFERNAN
The Daily Astorian

A Gearhart man has been accused of crimes related to child pornography.

Samuel Roy Polan, 39, allegedly compelled a child

to engage in sexually explicit activity and either recorded it or took a photograph. He then allegedly attempted to sell the material.

Polan has been charged with using a child in a display of sexually explicit conduct and first-degree encouraging child sex abuse. Bail has been set at \$500,00. He will be arraigned in Circuit Court on Friday if indicted.

Seaside man arrested after allegedly having sex with minor

By JACK HEFFERNAN
The Daily Astorian

A Seaside man has been accused of having sex three times with a girl under 16.

Anastacia Eugenio Lopez Fabian, 24, allegedly had sex with the girl between summer 2016 and December. He allegedly had sex with her again after she turned 16. Last week, he allegedly assaulted her.

The girl’s mother reported her as a runaway to Seaside police one morning last week.

She had left the house and did not want to go to school after attending a party the night before. Police then found her at Fabian’s home. Police discovered the alleged crimes while interviewing her.

Fabian has been charged with three counts of third-degree rape, contributing to the sexual delinquency of a minor, fourth-degree assault and harassment.

Bail has been set at \$25,000. If indicted, he is scheduled to be arraigned in Circuit Court on Friday.

Washington state officials gave activist’s info to ICE

Woman now facing deportation

By GENE JOHNSON
Associated Press

SEATTLE — The Washington state Department of Licensing gave information to U.S. Immigration and Customs Enforcement about an undocumented immigrant rights activist now facing deportation.

An email obtained by The Associated Press under a public records request shows the state agency sent ICE a copy of the driver’s license and license application for activist Maru Mora-Villalpando on Dec. 7.

Weeks later, ICE ordered her to appear before an immigration judge, even though she said she had not had any contact with law enforcement that might have prompted deportation.

The Seattle Times last month reported that the Department of Licen-



AP Photo/Elaine Thompson

Maru Mora-Villalpando, a longtime activist for illegal immigrants in the Northwest, says she herself is now facing deportation.

ing had shared information with immigration authorities despite promises by Democratic Gov. Jay Inslee that state officials would not enforce immigration laws. Inslee ordered the practice halted immediately and the deputy director of the department resigned. Activists have said the department’s director, Pat Kohler, should also step down.

“For me, this validates what we’ve been saying for

years: that DOL was giving information to ICE,”

Mora-Villalpando said Friday. “This agency willingly collaborated with ICE without asking any questions.”

The removal proceedings against Mora-Villalpando and other immigrant-rights advocates around the country have drawn criticism from United Nations human rights experts, who on Wednesday called on the U.S. to protect immigrant rights activists from deportation, saying they’re concerned about a pattern of intimidation and retaliation.

“People working legitimately to protect migrants’ rights must not be restricted or silenced,” said the statement from the Geneva-based

U.N. Office of the High Commissioner for Human Rights.

ICE has repeatedly denied targeting anyone for political reasons.

“Ms. Mora-Villalpando is a Mexican national who violated the terms of her nonimmigrant status in the United States,” agency spokeswoman Yasmeen Pitts O’Keefe said in an email. “All those in violation of the immigration laws may be subject to enforcement proceedings, up to and including removal from the United States.”

Mora-Villalpando, an activist for immigrants held at the privately run Northwest Detention Center in Tacoma,

has been in the U.S. continuously since 1996.

In response to The Seattle Times story, the Department of Licensing said it would no longer release personal information to federal immigration authorities without a court order unless required by law. The department had been handing over personal information to federal authorities 20 to 30 times a month.

Washington is one of about a dozen states that issue licenses without proof of legal U.S. residency. Authorities on the state argue that illegal immigrants are likely to drive anyway, and it’s safer for everyone if they’re enrolled in the licensing system.

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TV SCHEDULE

THE DAILY ASTORIAN

Evening listings TUESDAY

TUESDAY EVENING		A - Charter Astoria/ Seaside - L - Charter Long Beach										FEBRUARY 20	
A	L	6 PM	6:30	7 PM	7:30	8 PM	8:30	9 PM	9:30	10 PM	10:30	11 PM	11:30
2	KATU	(2) KATU News at 6 (N)		Jeopardy! (N)	Wheel Fortune (N)	The Bachelor Winter	The 26 singles from around the world look for love. (N)	Saves the World "Old Friends" (N)	KATU News (N)	(3:5) Jimmy Kimmel			
5	KOMO	(4) KOMO 4 News (N)		Wheel Fortune (N)	Jeopardy! (N)	The Bachelor Winter	The 26 singles from around the world look for love. (N)	Saves the World "Old Friends" (N)	KOMO 4 News (N)	(3:5) Jimmy Kimmel			
6	KING	(5) (5:00) PyeongChang 2018 Winter Olympics Alpine Skiing (W) Downhill Final, Figure Skating (W) Short, Bobsleigh (W), Snowboarding (M) Big Air (L)		NCIS "Fake It 'Til You Make It"	Bull "Play the Hand You're Dealt"	NCIS: New Orleans "The Asset"	KIRO News (N)	(3:5) Colbert					
6	KOIN	(6) KOIN Local 6 (N)	Evening News (N)	Extra	Ent. Tonight	NCIS "Fake It 'Til You Make It"	Bull "Play the Hand You're Dealt"	NCIS: New Orleans "The Asset"	KIRO News (N)	(3:5) Colbert			
7	KIRO	(7) KIRO 7 News (N)	Evening News (N)	Ent. Tonight	NCIS "Fake It 'Til You Make It"	Bull "Play the Hand You're Dealt"	NCIS: New Orleans "The Asset"	KIRO News (N)	(3:5) Colbert				
8	KGW	(3) (5:00) PyeongChang 2018 Winter Olympics Alpine Skiing (W) Downhill Final, Figure Skating (W) Short, Bobsleigh (W), Snowboarding (M) Big Air (L)		NCIS "Fake It 'Til You Make It"	Bull "Play the Hand You're Dealt"	NCIS: New Orleans "The Asset"	KIRO News (N)	(3:5) Colbert					
9	KRCW	(3) Modern Family	Modern Family	The Goldbergs	The Flash "The Trial of the Flash"	Black Lightning "The Resurrection"	News at 10 (N)	Friends	Two and a Half	Two and a Half			
10	KOPB	(10) Ask-Old House	Business (N)	PBS NewsHour (N)	We'll Meet A "Freedom Summer" (N)	Frontline "Bitter Rivals: Iran and Saudi Arabia" 1/2 (N)	The March						
12	KPTV	(12) 6 O'Clock News (N)		Family Feud	Family Feud	Lethal Weapon "Fools Rush In"	LA to Vegas	The Mick	10 O'Clock News (N)	News (N)	Page Six TV		
13	KPDx	(2) Mike & Molly	Mike & Molly	Big Bang Theory	Big Bang Theory	FOX 12's News (N)	9 O'Clock News (N)	Family Guy	American Dad!	The Game	The Game 2/2		
13	KCPQ	(13) Modern Family	Modern Family	Big Bang Theory	Big Bang Theory	Lethal Weapon "Fools Rush In"	LA to Vegas	The Mick	Q13 News at 10 (N)	Q13 News (N)	The Simpsons		
20	TBS	(20) Family Guy	Family Guy	Big Bang Theory	Big Bang Theory	Big Bang Theory	Big Bang Theory	Big Bang Theory	The Detour (N)	Conan			
22	KZJO	(22) Friends	Friends	Mom	Modern Family	Mom	Modern Family	Q13 News at 9 (N)	Big Bang Theory	Big Bang Theory	Two and a Half	Two and a Half	
29	ESPN	(29) NCAA Basketball (L)		SportsCenter (N)		SportsCenter (N)		SportsCenter With Scott Van Pelt (N)	SportsCenter (N)		SportsCenter (N)		
30	ESPN2	(30) NCAA Basketball (L)		College Basketball	NFL Live A weekday NFL news and information show.	Jalen & Jacoby	E:60	Fresh Prince	Fresh Prince	Friends	Friends		
31	NICK	(31) Henry Danger	Henry Danger	Paradise Run	The Thundermans	Full House	Full House	Full House	Full House	Gravity Falls	Gravity Falls	Andi Mack 2/2	Stuck in Middle
32	DISN	(32) Jessie	Jessie	Bunk'd	Bunk'd	Andi Mack	Stuck in Middle	Bizaardvark	Raven's Home	Gravity Falls	Gravity Falls	Andi Mack 2/2	Stuck in Middle
34	FAM	(34) *** Definitely, Maybe (2008, Comedy/Drama) Elizabeth Banks, Isla Fisher, Ryan Reynolds.		*** The Age of Adaline (2015, Drama) Michiel Huisman, Harrison Ford, Blake Lively.		*** 13 Going on 30 '04 Mark Ruffalo, Jennifer Garner.		*** The Age of Adaline (2015, Drama) Michiel Huisman, Harrison Ford, Blake Lively.		*** A Good Day to Die Hard '13 Bruce Willis.		*** UNREAL (N) (1:10) Married	
35	FMC	(35) (1:15) *** The Other Woman (2014, Comedy) Nikolaj Coster-Waldau, Leslie Mann, Cameron Diaz.		*** Married! First Sight "Honeymoons" 2/2	Married! First Sight	Married at (N)	Married "In-Laws and Friends" (N)	This Time "New Year, New Me" (N)	(5:05) UNREAL (N) (1:10) Married				
36	LIFE	(36) Grey's Anatomy "Suicide Is Painless"	Married! First Sight "Honeymoons" 2/2	Married! First Sight	Married at (N)	Married "In-Laws and Friends" (N)	This Time "New Year, New Me" (N)	(5:05) UNREAL (N) (1:10) Married					
38	ROOT	(38) NCAA Basketball New Mexico vs. Wyoming (L)		Mark Fw	DFL Soccer								
39	FS1	(39) UEFA Soccer Champions League Barcelona vs. Chelsea		Speak for Yourself		TMZ Sports (N)	Skip and Shannon: Undisputed Opinions on the biggest sports topics of the day.	NASCAR Race Hub					
43	SPIKE	(43) Ink Master "Divine Proportion"	Ink Master "Step It Up"	Ink Master		Ink Master (N)		The Hangover (2009, Comedy) Ed Helms.					
44	COM	(44) The Office	The Office	The Office	The Office	Drunk History	Drunk History	Drunk History	Drunk History	Another Period (N)	The Daily Show (N) Opposition (N)		
45	HIST	(45) Curse of Oak Island "Moving Targets"	Curse of Oak Island "A Key to the Mystery"	Curse of Oak Island "Unhinged" (N)	The Curse of Oak Island (N)	(5:05) Hunt Hitler "Hitler's Last Will" (N)	(5:05) The Curse of Oak Island	Undercover High "Stage Fright" (N)	(5:05) Intervention				
46	A&E	(46) The First 48 "The Ties That Bind"	Intervention	Intervention		Undercover High "Stage Fright" (N)	(5:05) Intervention	Undercover High "Stage Fright" (N)	(5:05) Intervention				
47	TLC	(47) I Was Pregnant "I Was Pregnant"	My Big Life "A Sobering Reality" (N)	Big Fat Fabulous Li. "Aloha Buddy" (N)	(5:05) Jazz "Nothing is set in Stone" (N)	(10) SeekSisterWife "13 is Enough!" (N)	(10) Big Fat Fabulous Li. "Aloha Buddy"						
48	DISC	(48) Mshiner "Curse of the Blown Cover"	Moonshiners "Fire and Rain"	Moonshiners: Cuts "From the Flames"	To Be Announced								
49	NGEO	(49) Landoficear "U.S. of Animals"	Extreme Alaska "Denali National Park"	Life Below Zero "The Intruder"	Life Below Zero "The Tipping Point" (N)	Life Below Zero "Forged in Ice"	Life Below Zero "The Intruder"						
50	TNT	(50) (5:00) Red (2010, Action) Bruce Willis.	(15) *** Red 2 (2013, Action) Helen Mirren, John Malkovich, Bruce Willis.	(15) *** War (2007, Action) Jason Statham, John Lone, Jet Li.									
51	AMC	(51) (5:45) *** Uncle Buck '89, Com) Amy Madigan, Jean Louis Kelly, John Candy.	*** Problem Child (1990, Comedy) Michael Oliver, Michael Richards, John Ritter.	Chrysler Knows "Chrysler Knows"	Chopped "The Light Stuff" (N)	Chopped "Clean Eatin'"							
52	USA	(52) NCIS "Heartland"	NCIS "Collateral Damage"	WWE Super Smackdown	Chopped "Amped For Ramps"	Chopped "House Hunters (N)	House Hunters	House Hunters	House Hunters	House Hunters	House Hunters	House Hunters	House Hunters
53	FOOD	(53) Chopped "Branch Boxes"	Chopped "Dread and Breakfast"	Chopped "Healthy Rivalry"	Chopped "Amped For Ramps"	Chopped "House Hunters (N)	House Hunters	House Hunters	House Hunters	House Hunters	House Hunters	House Hunters	House Hunters
54	HGTV	(54) Fixer Upper "The Floating Fixer Upper"	Fixer Upper	Fixer Upper	Fixer Upper (N)	Baskets (N)	Baskets	Baskets	Baskets	Baskets	American Reunion		
56	FX	(56) (4:00) Mission: Impossible - Ghost Pr...	*** Mission: Impossible - Rogue Nation (2015, Action) Simon Pegg, Jeremy Renner, Tom Cruise.	CNN Tonight With Don Lemon	CNN Tonight With Don Lemon	Anderson Cooper 360	Anderson Cooper 360	Anderson Cooper 360	CNN Tonight With Don Lemon				
57	CNN	(57) Anderson Cooper 360	The Ingraham Angle	Fox News @ Night	Tucker Carlson Tonight	Hannity							
58	FNC	(58) Hannity											
61	CNBC	(61) Shark Tank	PyeongChang 2018 Winter Olympics Ice Hockey (M) Quarter-final (L)	The Profit									
63	BRVH	(63) Beverly Hills "Birthday Fever"	Beverly Hills "Petty Mess"	Beverly Hills Social (N)	Beverly Hills (N)	Beth-Fredrik (N)	Bethenny-Fredrik	WatchWhat (N)	Beverly Hills				
64	TCM	(64) (5:00) Viva Zapata ('52) Marlon Brando.	*** A Thousand Clowns ('65) Barbara Harris, Martin Balsam, Jason Robards.	(15) *** All the President's Men ('76, Docu-Drama) Dustin Hoffman, Jack Warden, Robert Redford.									
65	SYFY	(65) *** Salt (2010, Action) Liev Schreiber, Chiwetel Ejiofor, Angelina Jolie.	Futurama	Futurama	Futurama	Futurama	Futurama	Futurama	Futurama	Futurama	Futurama	Futurama	Futurama
66	RFD	(66) (5:30) Cattlemen	Women's Rodeo	Horse: "Titan: A Legend in the Making"	Chris Cox	Rural Eve. News	Ag PhD	Cattlemen to Cattlemen	Women's Rodeo	Product Showcase			