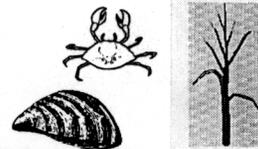


NUISANCE NOTES

Spring, 1998

Western Update, No.6



WESTERN REGIONAL PANEL ON AQUATIC NUISANCE SPECIES - SACRAMENTO MEETING

Members of the Western Regional Panel (WRP) met in Sacramento in conjunction with the 8th International Zebra Mussel and other ANS Conference on March 18, 1998. The Panel adopted the 1998 Workplan and administrative protocols. Workplan actions include; development of a western region ANS fact book, distribution of a western region activities survey, development of outreach materials, economic analysis and pathways risk assessment. The fall WRP meeting is planned for September 23 and 24 in Denver, CO. For more information contact Linda Drees, WRP coordinator @785-539-3474 X20 or Linda_Drees@fws.gov

WRP WEB PAGE

The WRP now has a web page, courtesy of the Bureau of Reclamation. The web page can be accessed at <http://www.wrp-ans.org> Special thanks to Andrew Montano BOR for working on the page. To provide publications or information for the page contact Andrew at amontano@do.usbr.gov The page is an excellent mechanism for communicating issues and species of concern to the western region.

THE 100TH MERIDIAN INITIATIVE

The 100th Meridian Initiative will be kicking off this Memorial Weekend. The Initiative was created to address overland boating traffic identified as major pathway by which zebra mussels will be spread into the West. Boater education stations will be strategically located to enhance the effectiveness of the inspection effort. Boater education sites will be located throughout 100th Meridian States including; Cabela's outfitters in Sydney, NE, Belle Plain Visitor Center on Interstate Highway 35 and strategic sites in Oklahoma and TX. A comprehensive information and education campaign is planned by Boat U.S.A. within and to the east of the 100th Meridian. Training for Boater education station staffers will occur in Sydney, NE on May 28th and in Tulsa, Oklahoma in June. For more information contact Bob Pitman USFWS 580-384-5710.

STATE UPDATE

ALASKA Unidentified crab(green?) and mussels(Manilla?) found near Ketchikan, Monitoring occurring to ascertain species and extent. Western Governor's Association to meet in AK, invasives may be discussed. ANS management plan being drafted at those WRP State Contact Bob Piorowski (907465-6150).

ARIZONA Arizona is joining with Nevada and Wyoming to develop a ANS regional management plan for the Colorado River Basin. State WRP Contact Joe Janisch, AGFD (602-789-3258).

CALIFORNIAN In a recently released biological opinion, the USFWS approved use of Sonar, Komeen and Diquat for the California Department of Boating and Waterways to control introduced aquatic weed, *Egeria densa*, in field test situations in the Sacramento-San Joaquin Delta. The Service is concerned that dense weed growths are impacting critical habitat for delta smelt and splittail. State WRP Contact Randy Brown CA Dept of Water Resources (916)227-7531.

COLORADO WRP on ANS meeting being planned for Denver, CO State WRP Contact Chuck Loeffler Colorado Division of Wildlife (303)291-7451.

GUAM Brown tree snake control and monitoring program in place. WRP Contact Michael W. Kuhlmann (671-734-3942).

HAWAII WZMTF Contact Myron Isherwood, Department of Agriculture Fax (808-973-9613).

IDAHO First State Weed Summit held in Idaho in June. State WZMTF Contact Bill Horton, Idaho Fish and Game Department (208-334-3791).

KANSAS A 100th Meridian boater education station will be located at the Belle Plain Visitor Station on Interstate Highway 35 near Winfield, KS. Patrick Cassidy, Board of Public Utilities (913-573-9856) or State WRP Contact Tom Mosher 316-342-0658.

MONTANA State WZMTF Contact Tim Gallagher, Montana Department of Fish, Wildlife and Parks (406-444-2448).

NEBRASKA Nebraska Game and Parks Commission will be conducting a 100th Meridian Boater Education Station at Cabela's Sport Store with support from Cabela's and Sportsman Quest. State WZMTF Contact Steve Schainost Nebraska Game and Parks(402-471-5443).

NEVADA Nevada Department of Wildlife working with WY and AZ on developing Colorado River Basin regional ANS management plan. State WRP Contact Jon Sjoberg, NDW (702-486-5127). Salt cedar biocontrol meeting June 2 & 3rd in Reno, NV for information contact Scott Stenquist USFWS 503-231-6172.

NEW MEXICO Nonnative crayfish *Oreocoenetes virilis* Identified in N.M. Species being monitored for impacts to native populations. Exotic coordinator position with NMGFD slated for elimination. State WRP Contact Brian Lang, New Mexico Game and Fish Department (505-827-9904).

NORTH DAKOTA 100th Meridian Boater Education Stations proposed for operation July, 1998. State WRP Contact Terry Steinwand North Dakota Game and Fish Department (701-328-6313).

OKLAHOMA 100th Meridian Boater education stations identified on highways and Arkansas River. WZMTF Contact Everett Laney, USACOE (918-669-7411).

OREGON State and Federal agencies in the Pacific Northwest have jointly funded a Coordinator for ANS prevention and management in the region. The Coordinator will facilitate information exchange in the Region and work on regional integration of State Management Plans. Recent efforts have focused on facilitating a Coast Guard-funded survey of ANS in the Columbia River and development of a list server on ANS. For additional information contact Mark Sytsma, sytsmam@pdx.edu. State Contact Andrew Schaedel Oregon Department of Environment 503-229-6121 Reports of the Japanese varnish clam, *Nuttallia obscurata*, continue to appear in Oregon. Species reported in five estuaries (Nehalem, Nestucca, Tillamook, Netarts, and Alsea). The populations appear to be well established. This clam was introduced to the eastern Pacific from southern Japan and therefore is expected to spread far to the south of Oregon.

SOUTH DAKOTA WRP Contact Dennis Unkenholz-605-733-6770 South Dakota Game, Fish and Parks Department

TEXAS Hydrilla increasing resource problem. Governor Bush has addressed hydrilla in recent press conference. State management plan on hydrilla being developed. State WRP Contact Larry McKinney 512-389-4394.

UTAH Utah Division of Wildlife has organized an interagency working group to address prevention and control of ANS. Lake Powell NRA will be providing intensive boater education on ANS prevention and control to visitors. Contact Randy Radant, Utah Division of Wildlife Resources (801-538-4812).

WASHINGTON WA Senate Bill 6114 passed mandating prevention and control of zebra mussel and green crab and calling for formation of a green crab and zebra mussel task force. State ANS management plan submitted for public review. Several exotic species educational materials are nearing completion. These include a flyer to be distributed to customers of pet/aquaria stores dealing with what to do when a small pet is no longer wanted, a poster describing exotic species issues and pathways and European green crab identification material. The Washington Sea Grant Program is producing this material. The material will be generic enough that it should be useful throughout the Pacific Northwest and California and in other states as well. British Columbia and Washington agency representatives are actively exploring ways to become more involved in each other's committees which address the import and movement of non-native species into the shared waters of Puget Sound and the Georgia Basin. Contact Scott Smith WDFW (360-902-2328)

WYOMING Wyoming Game and Fish Department (WGFD) has drafted a regional ANS management plan on behalf of the Colorado River Fish and Wildlife Directors Council. This plan will include CO, UT, CA, WY, NV, NM WRP Contact Mike Stone, WGFD (307-777-4559).

TRIBAL UPDATE

INLAND TRIBES Contact Michael L. Durglo, Jr. (406-675-2700)

ALASKA NATIVES Contact Adelheid Hermann, AL Board Member of NAFWS (907-246-8332)

COASTAL TRIBES Contact Derrick Tobba (360-651-4480)

PROVINCIAL UPDATE

ALBERTA Contact Rob Burland, Alberta Environmental Protection (403-382-4015)

BRITISH COLUMBIA Contact Bob Truelson British Columbia Ministry of Environment, Land, and Parks (250-387-9492).

MANITOBA Monitoring efforts indicate that zebra mussels have not established in Manitoba. Efforts continue towards public information and education regarding zebra mussel prevention in the province. Copies of the report "Zebra mussel colonization potential in Manitoba, Canada" can be obtained by contacting Wendy Ralley, Manitoba Environment, (204) 945-8146 Contact Dwight Williamson, Manitoba Dept of the Env. (204-945-7030).

SASKATCHEWAN Contact Rick Sanden, Saskatchewan Department of Environment and Resource Management (306-787-7812).

FEDERAL UPDATE

U.S. FISH & WILDLIFE SERVICE ANS coordinators are available to provide technical assistance to state, federal, and private interests in regard to ANS. Region 1 (CA, OR, WA, ID, NE, HI) - Chuck Dunn, Portland, OR (503-230-5973), Region 2 (TX, NM, OK, AZ) - Bob Pitman, Tishomingo, OK (405-384-5710), and Region 6 (MT, WY, UT, CO, ND, SD, NE, KS) - Linda Drees, Manhattan, KS (785 539-3474X20). Natl ANS Coord. Arlington, VA - Bob Peoples (703-358-1718).

BUREAU OF RECLAMATION The Bureau of Reclamation WZMTF homepage can be accessed at <http://www.usbr.gov/zebra/wzmtf.html>. The Western Regional Panel on Aquatic Nuisance Species Page can be accessed at <http://www.wrp-ans.org> For information contact Tracie Greene (303-445-2205).

NATIONAL BIOLOGICAL SERVICE Southeastern Biological Science Center The Center maintains a nonindigenous aquatic species geographic information system and current zebra mussel location maps. World Wide Web server (<http://www.nfrcg.gov>) or contact Amy Bensen (904-378-8181).

SEA GRANT The National Sea Grant College Program New York Sea Grant maintains a aquatic nuisance species information clearinghouse and publishes an information review, *Dreissena polymorpha*. A corbicula library is now being developed. Contact Charles O'Neill, Jr. (716-395-2638). Minnesota Sea Grant publishes and distributes information, training packets and videos on zebra mussels and other exotic species, including the updated instructor notebook "western edition" and packet "Mussel Menace". The western edition includes materials and resources of interest to the western region. Contact Doug Jenson (218-726-8712). California Sea Grant will be funding the following studies; 1. Eradicating *Arundo donax* from California Ecosystems: >Establishing the Most Effective Timing for Mechanical and Chemical Procedures 2. Contrasting Effects of Ecosystem Alteration by Two Exotic Wetland Invertebrates 3. Containment of Sabellid Pests of California Abalone: Assessment of Habitats and Hosts at Risk of Infestation 4. Safety and Efficacy of Green Crab Biological Control 5. Settlement, Survival, Growth, and Reproduction of the Nonindigenous >Mussel (*Musculista senhousia*): Effects of Eelgrass For information contact Jodi Cossel CA Sea Grant (650-871-7559)

U.S. ARMY CORPS OF ENGINEERS North Pacific Division is monitoring for zebra mussels in the Columbia River Basin. To date no z.m. have been identified. Risk assessments for fish passage facilities and anadromous fish hatcheries being developed. Contact Jim Athern (503-808-3935).

PUBLICATIONS

1. **ANS Digest** provides information on "many aspects of the aquatic nuisance species problem including, policy and management issues, current research efforts, and descriptions of specific species." Contact *ANS Digest*, Spring Hill Center, 725 County Road Six, Wazata, MN 55391 (612-449-0092).

2. Cohen, A. N. and A. Weinstein. The Potential Distribution and Abundance of Zebra Mussels in California. A report for CALFED and California Urban Water Agencies, San Francisco Estuary Institute, Richmond CA. Reprints available by contacting Gabriel Marek <gabbi@sfei.org>

3. Biological Invasions (a new journal): Call For Papers. For information about the scope of the journal and the suitability and types of papers being sought please contact James T. Carlton Editor-in-Chief, email: jcarlton@williams.edu telephone: 860- 572-5359

4. Information available on the National Invasive Species Initiative including Secretary Babbitt's comments at <http://www.blm.gov/weeds/sympos98>

MEETINGS

The Aquatic Nuisance Species Task Force will meet in Arlington, VI on July 22, 1998. For information contact Bob Peoples at (703-358-1718)

The 1998 Brown Tree Snake Research Symposium - Waikiki, Hawaii, July 27- 29, 1998. For information contact Dr. Earl Campbell (808-961-9471).

The Western Regional Panel will hold its fall meeting on September 23 and 24, 1998 in Denver, CO at the Bureau of Reclamation on the Federal Center. For information contact Linda Drees at 913-539-3474 X20.

FOR MORE INFORMATION OR TO CONTRIBUTE INFORMATION TO "NOTES", CONTACT LINDA DREES, USFWS (785-539-3474X20), 315 Houston St. Suite E, Manhattan, KS 66502. Nuisance Notes will be published twice yearly: fall and spring.