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the curlew

Special Interest Articles:

- Audubon trail cat removal – in progress!
- Great Back Yard Bird Count goes Global!
- Shoreline management plan updates need your input!
- New information about outdoor cats impact to birds and other wildlife

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Lower Columbia Basin Audubon Society

A Chapter of the National Audubon Society

CASPIAN TERN MANAGEMENT PLAN: Fish vs Birds

Membership Meeting February 26, 2013 7:00 p.m. Kennewick First Lutheran Church, corner of Yelm and Highway 395

The February meeting of LCBAS will feature Tim Fleeger and David Trachtenbarg of the Army Corp of Engineers, Walla Walla District's Plan Formulation Section. The pair will provide an overview of the issues related to Caspian Tern consumption of salmonids listed under the Endangered Species Act, a general overview of the scientific work that has been done to look at the effects of individual colonies of Caspian Terns, and a status update on the Inland Avian Predation Management Plan. After the presentation time will remain for a question and answer period.

Tim Fleeger is a Project Manager with the US Army Corps of Engineers, Walla Walla District's Plan Formulation Section. Prior to coming to the Walla Walla district, Tim spent 10 years with the Omaha District working primarily on Ecosystem Restoration projects on the Missouri River. Tim is a graduate of Pennsylvania State University where he earned a B.S. in Earth Sciences and is also a graduate of the Corps' Planning Associates Program. Prior to his career with the Corps of Engineers, Tim worked briefly as a fisheries research biologist on Lake Erie for the Pennsylvania State Fish and Boat Commission.

David Trachtenbarg is a Fish Biologist with the US Army Corps of Engineers, Walla Walla District's Environmental Analysis Section. David is a graduate of Oregon State University where he earned a B.S. in Fisheries and Wildlife Science. Before coming to the Corps, David worked with

the US Fish and Wildlife Service in Red Bluff, CA conducting salmonid and sturgeon research on the Sacramento River.

Folks interested in this rather controversial subject may want to come and listen as well as ask questions. The meeting begins at 7:00 p.m but the presentation usually begins about 7:45 p.m. after a brief bird ID segment and refreshments. Anyone wishing to contribute cookies or even healthy snacks will be welcomed!



Bateman Island Bird Walk *with Lisa Hill*

Feb 2, 2013

Thin ice covered the west side of the causeway. A small flock of gulls sat preening in the morning sun. The group scanned through them and found the usual four species that can be found in the Tricities – RING-BILLED, CALIFORNIA, HERRING, and

GLAUCOUS-WINGED. Later, on the west side of the island, we had great views of an immature GLAUCOUS GULL, huge and nearly pure white.

An adult NORTHERN SHRIKE, perched atop tree where everybody could see the contrasting white, gray and

black plumage. It sang its strange, gurgling song which is not often heard. Songbirds worth noting were FOX SPARROW and LINCOLN'S SPARROW. No owls were found in the locust grove.

In winter, loons can

Bateman Island Walk *Continued*



"Common Loon"
Photo courtesy Larry
Umthun'

usually be found diving in the Columbia off the north side of the island. Although it is hard to keep track of them as they dive and surface, we found three COMMON LOONS and a very strong likelihood of a PACIFIC LOON. Overall, we found 50 species for the day.

The number could be closer to 60 species at the next Bateman bird walk on Saturday, March 2 at 8am. A few spring migrants should begin showing up by then. Meet in the parking lot of Wye Park above the causeway to the island

President's message *with Robin Priddy*

Greetings:

Thanks to Debbie Berkowitz for bringing the updating of the Richland Shoreline Management Plan to our attention. There is quite a bit going on, and we do have opportunity as individuals and as Audubon to influence this plan. There's an open house on Feb. 13 and another on March 13. Richland has information posted on their webpage at <http://www.ci.richland.wa.us/index.aspx?NID=793>. Through Debbie's efforts LCBAS members are already providing information for the Planning Department and their consultant. They are taking comments and notes; both these open houses will be followed by more detailed discussions in Planning Commission Workshops. Attending the open house and engaging this process with specific comments is a good way to make our presence and our concerns known to the city. Please see if you can make time to attend one of these events.

Heidi Newsome gave us information on "Team Naturaleza" which has done some pretty amazing work connecting the Latino community with long-term Citizen Science bird monitoring programs and habitat conservation in the Wenatchee River Basin. <http://www.fws.gov/fieldnotes/regmap.cfm?arskey=33200> is a link about this program. At the same time National

Audubon has launched its "Audubon Espanol" web site, as an outreach to the Spanish speaking communities in North, Central, and South America. The Flyway model that National now uses to connect birds, chapters, land, and people reaches all through the Americas. Cherie Beaudrand's Junior Audubon has a good deal of participation from Spanish speakers and we're considering ways we can outreach and connect to our local community. This is an interesting opportunity to connect birds with even more people in the Columbia Basin.

Ed Rykiel has gotten a lot of older issues of the "Curlew" on our webpage, along with new bird lists. He's also gotten us a QR code which is now attached to our space on the kiosk at Badger, the sign on Bateman and the Audubon Trail. Ed has also compiled photographs from several local members to create a new poster for our space on the Badger Mountain Kiosk!

I'd also like to mention that National Audubon is having a National conference - the first in years - at Skamania (just east of Portland) in July. Look at their website as information develops; it's quite an opportunity to have this conference so close by.

Thank you as always, for the privilege of serving as President this year.



**Lower Columbia Basin
Audubon Now Has it's own
QR Code!!**

The code is now attached to our space on the kiosk at Badger, the sign on Bateman and the Audubon Trail! Scan the code above with your mobile device, and you will go directly to our webpage and have instant access to information on programs, bird sightings, field trips, fundraisers and more!

Conservation Engagement - Please give Input on Shoreline Management Plans for Richland, West Richland and Benton County!

Do you love walking along the river and looking for birds? Do you love access to wild nature within the city limits? Well you can make your voice heard!

Richland held its first Open House on Jan. 23 to share information about its shoreline management plan (SMP) update. There will be at least two more Open Houses, one on Feb. 13 from 5 to 6:30 PM and the other on Mar. 13, most likely at the same time.

The location is Richland City Hall, 505 Swift Blvd., in the Council Chambers. These are opportunities to hear what is being planned and to give your input about Columbia River and Yakima River shoreline ecology, land use, and public access in Richland. Information can be found at <http://www.ci.richland.wa.us/index.aspx?NID=793> or you can contact SMP Manager Rick Simon at rsimon@ci.richland.wa.us for more information.

West Richland, Benton County, and Benton City are also updating their shoreline management plans and have also recently held open houses. More information can be found on their websites: (West Richland: <http://www.westrichland.org/SMP.cfm> ; Benton County <http://www.co.benton.wa.us/pView.aspx?id=2480&catid=45> ; Benton City <http://ci.benton-city.wa.us/SMP%20Page.htm>).

Please show up, provide comments and be the voice for the birds we all care about!



Great Backyard Bird Count Goes Global in 2013

*Bird watchers worldwide can take
part for the first time*

After 15 years of success in North America, the Great Backyard Bird Count (GBBC) will open up to the entire world for the first time in 2013. Anyone, from anywhere on earth, can participate by visiting www.birdcount.org and reporting the kinds and numbers of birds they see during the 16th annual count, February 15–18, 2013.

A joint project of the Cornell Lab of Ornithology and National Audubon Society, with partner Bird Studies Canada, the four-day count typically receives sightings from tens of thousands of people reporting more than 600 bird species in the United States and Canada alone. "This year's count will give us a whole new perspective as sightings pour in from around the globe in real time," said Marshall Iliff at the Cornell Lab of Ornithology. "Millions of people encounter birds every day all over the world. Imagine what scientists will learn if each one of us shares observations from our own area!"

During the 2012 count, participants reported 17.4 million bird observations on 104,000 checklists. Snowy Owls thrilled many participants when these striking birds-of-prey ventured south from the Arctic in record numbers. In 2013,

scientists predict that U.S. and Canadian bird watchers will see an influx of Red-breasted Nuthatches and winter finches (such as Pine Siskins) because of scarce food supplies on their northern wintering grounds.

"The GBBC is an ideal opportunity for young and old to connect with nature by discovering birds and to participate in a huge science project," said Gary Langham, Audubon's Chief Scientist. "This year, we hope people on all seven continents, oceans, and islands, will head out into their neighborhoods, rural areas, parks, and wilderness to further our understanding of birds across the hemispheres."

Participating is easy. Simply watch birds for at least 15 minutes at the location of your choice on one or more of the count days. Estimate the number of birds you see for each species you can identify. You'll select your location on a map, answer a few questions, enter your tallies, and then submit your data to share your sightings with others around the world.

The global capacity for the count will be powered by eBird, an online checklist program for all of the world's 10,240 bird species. Participants will be able to view what others are seeing on interactive maps, keep their own records, and have their tallies recorded for perpetuity.

"The popularity of the Great Backyard Bird Count grows each year," said Dick Cannings, Senior Projects Officer at Bird Studies Canada, "and with the new features, participation will be even more exciting."

The Great Backyard Bird Count is sponsored in part by [Wild Birds Unlimited](#).

A MESSAGE FROM BLUE MOUNTAIN WILDLIFE

Blue Mountain Wildlife-Benton City is seeking dedicated volunteers. As awareness in the greater Tri-Cities area of our existence has increased, so has the need for volunteers. In the past, Marilyn Hayes has picked up a huge portion of the load, running all over picking up birds and providing transport. Les and Diane Wulff and Warren and Sue Terrell have been providing long distance transport to WSU when needed. We are having an **organizational meeting** on **February 23, 2013 at 2:00 p.m.** at the Tri-Cities Cancer Center, 7350 W Deschutes Ave, Kennewick to discuss what volunteer needs there are. Please join us. For further information call Laurel at 366-5777 or Michele at 366-0888.

Cat Feeding At Audubon Nature Trail

The dumping of unwanted cats and subsequent feeding of them inside Columbia Park at the Audubon Nature Trail area has significantly decreased the areas value to birds and other Wildlife. The LCBAS Board of directors has been working with the City of Kennewick to try to come up with a solution to this on-going problem. The city parks department has decided to help us and has posted new signs and is working with Animal control to remove the cats! Special thanks to President Robin Priddy for continuing to work on this issue.



Burrowing owls in Winter

A small number of burrowing owls do stay around the Mid-Columbia Region during the winter months. This month an owl was observed using a pipe at a construction site in West Pasco. Although somewhat concerning, the owl could fly and will likely be moving through the area before he picks a home for spring. The owl is likely looking for areas of easy hunting and a cleared construction zone provides just that!



Outdoor Cats: Single Greatest Source of Human-Caused Mortality for Birds and Mammals, Says New Study

A new peer-reviewed study authored by scientists from two of the world's leading science and wildlife organizations – the Smithsonian Conservation Biology Institute and the U.S. Fish and Wildlife Service (FWS) – has found that bird and mammal mortality caused by outdoor cats is much higher than has been widely reported, with annual bird mortality now estimated to be 1.4 to 3.7 billion and mammal mortality likely 6.9 – 20.7 billion individuals.

The study, which offers the most comprehensive analysis of information on the issue of outdoor cat predation, was published in the online research journal *Nature Communications* and is based on a review of more than 90 previous studies. The study was authored by Dr. Peter Marra and Scott Loss, research scientists at the Smithsonian Conservation Biology Institute and by Tom Will from the U.S. Fish and Wildlife Service's Division of Migratory Birds. It is available at http://www.abcbirds.org/abcprograms/policy/cats/pdf/Loss_et_al_2013.pdf.

According to Dr. George Fenwick, President of American Bird Conservancy, "This study, which employed scientifically rigorous standards for data inclusion, demonstrates that the issue of cat predation on birds and mammals is an even bigger environmental and ecological threat than we thought. No estimates of any other anthropogenic (human-caused) mortality source approach the bird mortality this study calculated for cat predation."

The study's estimate of bird mortality far exceeds any previously estimated

U.S. figure for cats. In fact, this magnitude of mortality may exceed all other direct sources of anthropogenic bird and mammal mortality combined. Other bird mortality sources would include collisions with windows, buildings, communication towers, vehicles and pesticide poisoning.

"The very high credibility of this study should finally put to rest the misguided notions that outdoor cats represent some harmless new component to the natural environment. The carnage that outdoor cats inflict is staggering and can no longer be ignored or dismissed. This is a wake-up call for cat owners and communities to get serious about this problem before even more ecological damage occurs," Fenwick said.

The study estimated that the median number of birds killed by cats annually is 2.4 billion and the median number of mammals killed is 12.3 billion. About 69 percent of the bird mortality from cat predation and 89 percent of the mammal mortality was from un-owned cats. Un-owned cats are defined to include farm/barn cats, strays that are fed but not granted access to human habitations, cats in subsidized colonies, and cats that are completely feral.

The study charges that "Despite these harmful effects, policies for management of free-ranging cat populations and regulation of pet ownership behaviors are dictated by animal welfare issues rather than ecological impacts. Projects to manage free-ranging cats, such as Trap-Neuter-Return (TNR) colonies, are potentially harmful to wildlife populations, but are implemented across the United States without widespread public knowledge, consideration of scientific evidence or the environmental review processes typically required for actions with harmful environmental consequences."

BIRD SIGHTINGS FOR JANUARY 2013

North Richland and Leslie Groves Park

Jane and Keith Abel reported Common Redpolls and Red Crossbills throughout the month and on the 5th a Spotted Sandpiper walking the shoreline near Anthony's Restaurant. Mary and Mike Lilga had twenty Red Crossbills at their birdbath and have a resident Varied Thrush as well. Ivar Husa photographed a Townsend's Solitaire and a Merlin in his yard. James Cleaver spotted 3 Common Redpolls mixed in with American Goldfinches and Pine Siskins. On the dock at Howard Amon Park he reported a Mew Gull (uncommon) mixed in with the Ring-billed, California, Herring and Glaucous-winged (both uncommon). Alisa Haller reported a Downey Woodpecker in the trees along the nature trail at Battelle. Bob and Pat Woodley spotted one Eurasian Wigeon off Leslie Groves along with 4 Canvasbacks, 6 Redheads and 2 Barrow's Goldeneyes. Laurie Ness reported a Townsend's Solitaire on Somerset and Davison Avenue. At the corner of Montgomery Court and Spring Street she spotted a Bohemian Waxwing among many Cedar Waxwings, American Goldfinches, a few Pine Siskins, a Varied Thrush and a Golden-crowned Kinglet.

West Richland and Horn Rapids Area

Laurie Ness reported a Prairie Falcon (uncommon resident) actively hunting on the corner of W. Lattin Road and Watkins Way.

Yakima Delta and Bateman Island

On the 5th, the sightings of rare gulls began with Rich Barchet's report: an immature Glaucous Gull (rare in winter) and a few Glaucous-winged Gulls (uncommon in winter) seen during the bird walk on Bateman Island. Later that morning the die-hard birders viewed the gulls resting on the ice from the Wye Natural area. They got a great look at a Lesser Black-backed Gull (accidental in winter) and two mature Glaucous Gulls! Herring (uncommon in winter), California, and Ring-billed were also seen. On the 13th James Cleaver spotted 5 gull species on the roof of the boat shelters, adding a first cycle Thayer's

Gull (rare, winter) to the mix. Bob and Pat Woodley noted that the Lesser Black-backed Gull was still present on the 14th. James Cleaver noted a single first year Golden-crowned Sparrow hanging with the White-crowned Sparrows on Bateman Island on the 18th and on the 27th saw a Western Gull and a Pacific Loon (both rare). Ivar Husa reported a Hooded Merganser and a Hermit Thrush.

Rancho Reata Area and Amon Creek

Neil and Sharon Ofsthun's yard list included a Great Blue Heron, Varied Thrush, Downey Woodpecker, Red-winged Blackbirds, Sharp-shinned and Cooper's Hawks, a Northern Harrier and a Eurasian Collared-Dove which showed up for 3 days and then returned with a second dove.

W.E. Johnson Park, South Richland and Badger Mountain

Chris and Riley started off the year on the 2nd at Johnson Park. Their list included hawks, Northern Flickers, Dark-eyed Juncos, and Great Horned Owl. They stopped to watch a Ring-necked Pheasant making an interesting call when they realized it was also being watched by a Bobcat! The Bobcat was about 25 feet in front of them on the path and crouched on the path for about 30 seconds. Lezlie and Dan Couch live in the Country Ridge area. They photographed a regular yard visitor—a Barred Owl (considered an "accidental" visitor in winter)! Jim Criddle reported a dozen Chukar near the Lake Lewis Marker on the Shockley Road side of the mountain in the late afternoon on the 29th.

Kennewick

Bob and Pat Woodley started the year off at Columbia Park. In the river they saw 1 Pacific Loon (rare in winter), 3 Pied-billed, 4 Horned, and 2 Western (uncommon resident) Grebes in the Columbia River. On Jan 2 Rich Barchet took his first-ever hike up Zintel Canyon and found lots of American Robins and Varied Thrushes, Song and White-crowned Sparrows, Dark-eyed Juncos, Northern Flickers, Yellow-rumped Warblers, 2 Spotted Towhees and lots of Mourning Doves. Red-tailed and Cooper's Hawks and

American Kestrel were also seen as were 30 Mallards. On the 13th James Cleaver reported a Harris's Sparrow (uncommon, winter) feeding on the ground with the Dark-eyed Juncos west of the Columbia Park golf course. Across the street was a small flock of Golden-crowned Kinglets (uncommon, winter). He also reported seeing the Peregrine Falcon that hangs out by the Cable Bridge. The Woodleys saw 2 Peregrines there on the 19th. Jane and Keith Able reported Harris's and White-throated Sparrows (both uncommon) in Columbia Park on the 24th.

Finley Area

Kris Keating tallied up lots of raptors in her neighborhood: Red-tailed Hawk, Northern Harrier, American Kestrel, Bald Eagles, Barn Owls and a Great Horned Owl. Speaking of owls...many people reported on the Snowy Owls (rare, winter). One reader even called me at home to thank you all for your specific directions on how to find them. She was thrilled with a close-up fly-by and landing. Early on the 13th Tony Greager found 3 Snowys. One was very distant in a field but the other two were sitting on the roads—one on Mills and one on Nine Canyon! On the same day Ron Louderback reported one on Mills Road on a fence post and James Cleaver found one off Nine Canyon and Mills Road. On the following day 2 Snowy Owls were spotted by Kris Keating, Ivar Husa, and Bob and Pat Woodley. Ron and Carole Louderback saw 3 in the same area on the 15th.

Other Finley action: James Cleaver reported a Black-crowned Night Heron roost on Yew Street just north of 10th Avenue and some Green-winged Teal in the canal beside them. Bob and Pat Woodley spotted a lone drake Eurasian Wigeon (rare, winter) among the American Wigeons on the lawn at Two Rivers Park on the 14th. They reported about a dozen Black-crowned Night Herons at the roost on Yew Street (and 24 on the 19th) and a moderate-sized flock of Horned Larks as they approached the Snowy Owl area. On the 19th the Woodley's spotted a Great Egret

in Finley. Tony reported several Rough-legged Hawks south of Finley. Dennis Rockwell is seeing lots of kinglets and Brown Creepers in Two Rivers Park.

McNary NWR and West Walla Walla County

On the 5th Bob Woodley saw many Red-winged Blackbirds, 5 Yellow-headed Blackbirds, and 1 Brewer's Blackbird at McNary NWR. James Cleaver reports that as of the 13th the Red-breasted Sapsucker is still present at Hood Park. He also saw both Tundra (uncommon, winter) and Trumpeter (accidental, winter) Swans at the McNary NWR. Jordene Lucas reported 5 Mountain Chickadees (rare, winter), one Black-capped Chickadee and a Ruby-crowned Kinglet at the North End of Two Rivers Unit headed in the direction of Quarry Pond. At the entrance of the Headquarters they spotted an active Pacific Wren.

North Franklin and Pasco Area

Kevin Black reported a female Anna's Hummingbird (rare, winter) which has been visiting a West Pasco feeder daily since Thanksgiving. Near Osprey Point he saw 1 Eared Grebe (uncommon, winter) among the Horned Grebes and one Redhead Duck. He reported a Merlin near the intersection of Wehe and Court Streets. At the Humane Society: 1 Great Egret, 6 Black-crowned Night Herons and 1 Sharp-shinned Hawk. At Sacajawea Park he photographed 2 female or immature Purple Finches (rare, winter). James Cleaver birded Sacajawea on the 18th and found Golden-crowned Kinglets, Ruby-crowned Kinglets, Brown Creepers, and a Marsh Wren. He heard Virginia Rails and saw a Sora (rare, summer, winter) out in the open!

Possibly the biggest news for Franklin County was the American Dipper (accidental) initially spotted on the 19th by Tom Mansfield who was visiting in Pasco. Gretchen Graber and Ivar Husa viewed it on the 20th. It was 3.1 miles north of Taylor Flats Road on Ringold

Road. Check the inflow on the south side of the bridge. (It was still present on the 27th). Tom and Kevin birded the Ringold Fish Hatchery Ponds finding Red-winged Blackbirds, Hooded (uncommon) and Common Mergansers and Cedar Waxwings. In our Pasco yard a Brown-headed Cowbird (rare in winter) joined Red-winged Blackbirds doing some ground feeding. On the last day of the month Marissa McNeal sent Charlotte Reap a photo of a Burrowing Owl (rare in winter) that was in a construction area south of Burden Avenue.

Rattlesnake Mountain Area / Western Benton County

Kerry Turley reported a Western Scrub Jay (accidental) in Prosser on the 16th. Tom Mansfield, who first reported the American Dipper in Franklin County also located one in the southern most spillway of the Yakima River at the dam in Prosser. Gretchen Graber photographed it on the 19th above the bridge. On the 25th the Abels, Larry Unthum and Lisa Hill saw 2 American Dippers and Scrub Jays in Prosser.

Thanks for posting your sightings on LCBirds2, e-mailing them to me (lanirock@charter.net) or calling them in (545-4898). Comments, suggestions, and corrections are always welcome. – Lannie Smith

EAlert Update

If you supply our organization with an email for receiving your “Curlew” newsletter, we also provide you EAlerts! EAlerts allow us to send out up to the minute information about events, conservation issues, and volunteer opportunities.

If you haven't received e-alerts and would like to be included on our list, please contact membership@lcbas.org. To opt out, either contact this address or reply to an e-alert requesting to be removed from the list. If you have any comments or suggestions about our e-alerts, please contact Debbie Berkowitz at 375-4740 (secretary@lcbas.org).

Pacific Island Paradise: Wildlife of Johnston Atoll!

Intermountain Alpine Club (IMAC) Annual Dinner and fundraiser has engaged Lindsey Hayes, the former wildlife biologist and manager of the Johnston Atoll National Wildlife Refuge in the central Pacific Ocean, to give a presentation. Although the atoll was placed under U.S. Navy control in 1934, it retained its status as a refuge. Today Johnston Atoll is an unincorporated territory of the U.S. It remains a National Wildlife Refuge and is home to more than 300 species of fish, 34 species of coral, 15 species of seabirds, and four or five U.S. Fish and Wildlife Service employees or volunteers. Lindsey will tell us all about his experiences on the island along with showing stunning pictures of its wildlife!

Non-IMAC members may attend for an additional fee – see below.

Contact: Please RSVP to Laura Connolly, 946-1749 or

email emilysarasammy@yahoo.com

Location: Bella Italia (7000 West Okanogan Pl., Kennewick)

Time: Social starts at 6:00 P.M., dinner at 6:30 P.M.; presentation after dinner

Cost: \$20 per person for I-MAC members; **\$25 per person for non-members**

Sign-up: Required by Monday, February 25, before 8:30 P.M. with your menu choice (contact Laura for choices)

Winter Birds

Saturday February 23 9- 12 Noon & Friends' Annual Meeting, 12 Noon-1 PM

McNary Environmental Education Center

Join us to learn more about the birds of the Mid-Columbia. Blue Mountain Wildlife of Pendleton will be at McNary with live raptors. Other indoor and outdoor activities are being planned. Afterward, join the Friends of the Mid-Columbia River Wildlife Refuges for their Annual Meeting. Food and beverages will be provided and the meeting will conclude by 1:00 PM. Check for updates on the Friends website www.friendsofmcrwr.org, Facebook or Twitter.

The 16 th Annual Othello Sandhill Crane Festival!

Where: Columbia National Wildlife Refuge and greater Othello area

When: April 5, 6 and 7, 2013

Experience the beauty and wonder of wildlife, highlighted by the return of Sandhill cranes to the Channeled Scablands. This three-day community event features a variety of activities from tours and lectures on the area's natural and cultural heritage to an art contest and children's activities. An admission fee is charged. For more information look online:

www.othellosandhillcranefestival.org

The Curlew

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Audubon Membership Information

Please Note: LCBAS Chapter Benefits (includes a year's subscription [10 issues] to *The Curlew*) this is an additional cost to membership in National Audubon Society.

\$20. for annual membership benefits dues or
 \$10. for full time students.

Please make check payable to **LCBAS**. I can help with an additional donation of \$_____

Send *The Curlew* to my email address listed below. All my dues will go towards supporting LCBAS in local education and conservation efforts. _____

I want to be on your Environmental Alert e-mail list to receive timely notices about issues/work parties. (Your e-mail address will not be shared.)

National Audubon Society Membership (includes annual subscription to *Audubon Magazine*)

\$20. for one year new membership in the NAS. This payment includes membership in the local chapter (LCBAS) but does not include a subscription to *The Curlew*

Please make check payable to **National Audubon Society**. Please do not send renewals for NAS to LCBAS.

For any of the options above check the appropriate boxes, clip the form and mail it with your check(s) to:

Lower Columbia Basin Audubon Society, P. O. Box 1900, Richland, WA 99352

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