

CONSERVATION QUARTERLY

SPRING 2023

EN ESPAÑOL:
CASCADIACD.ORG

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LANDOWNER SPOTLIGHT: CARRYING ON LEGACY AT WARMAN ORCHARD

Written by Marcy Bartelheimer, edited by The Warman's

The Warman Orchard is five generations strong and remains part of the legacy of the pioneer Paton family. Allan Paton Warman's great-great grandparents settled in Mission (now Cashmere) and purchased the original 160 acres in 1896, establishing the pear and apple orchard around 1900. Though Allan grew up on the orchard, he and Cassie have only recently retired from their desk jobs to live in the original, but recently remodeled, farmhouse in Cashmere. They've been managing the orchard since 2014 and are happy to continue the family legacy.

Cassie noted, "while steeped in local history, this heritage orchard was also deeply rooted in antiquated equipment, age-old practices, and a lack of useful technology." After talking to neighbors, Allan and Cassie recognized that irrigation improvements could have positive effects on both water conservation and crop quality for their orchard, as well their neighbors in the same irrigation district.



Allan & Cassie Warman

Photo by: The Warmans

Cascadia CD started working with the Warman Orchard in 2021 to provide cost-share funding and technical assistance for irrigation and technology upgrades. The previous irrigation system included 70+ year old leaky cast iron main lines, 50+ year old aluminum handlines, rain-bird sprinklers, and a filter that clogged frequently.



Warman Orchard

Photo by: The Warmans

Installing a new system, with efficiency improvements and replacement of leaky materials, has allowed the Warmans to save an estimated 4.8 million gallons of water annually.

While these water savings may equate to financial and labor savings, the Warmans hope that these improvements will also yield "better crop quality and more efficient use of water as time goes forward," said Cassie Warman. Combined with the irrigation upgrades, a new online weather station and soil probe moisture monitor system help Allan and Cassie to manage the orchard and irrigate more efficiently. Change, modernization, and the adoption of technology can be difficult for landowners, so the Warmans pointed out that it can help to implement changes slowly, and to have conversations with your neighbors and the resources available.

When asked if they would work with Cascadia again or encourage others to do the same, Allan and Cassie said, "Absolutely, we highly encourage anyone to explore working with CCD." The Warmans are extremely grateful to the people and organizations that made this project happen. Finally, Allan and Cassie would like to thank Elizabeth Jackson, from Cascadia CD, for her "leadership, expertise, creativity, and patience" throughout their projects.

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NEWSLETTER FEEDBACK GREATLY APPRECIATED!

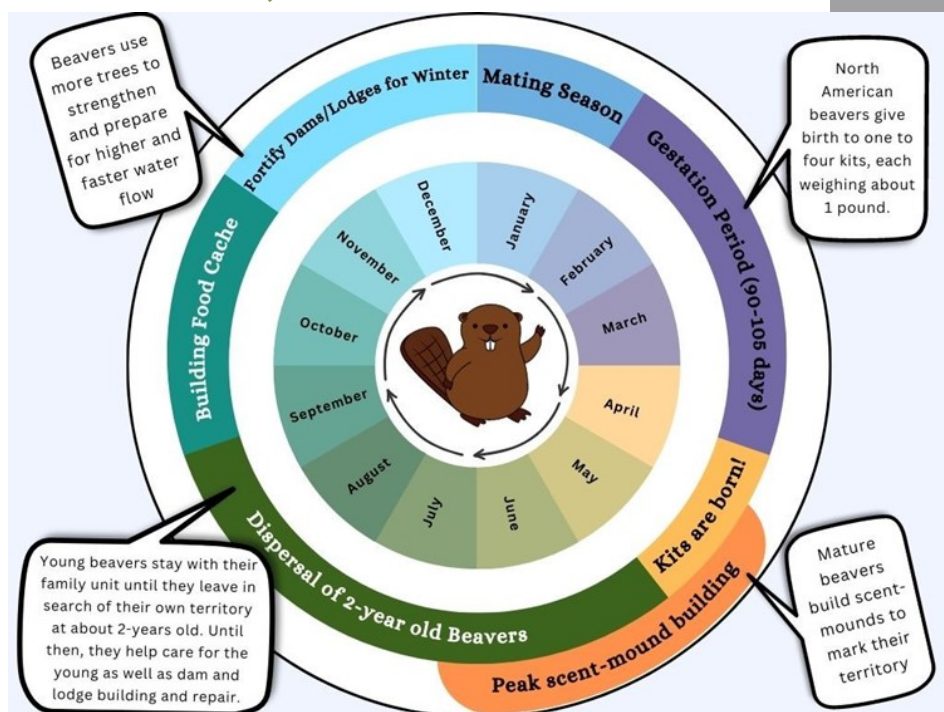
Please follow this link: rebrand.ly/CCDNews12
Or scan the QR code to complete a short survey
Or call (509) 436-1601 or email info@cascadiacd.org



BUSY BEAVERS:

WELCOMING KITS, SPRING CLEANING, AND DAM REPAIRS

Check out the Beaver Life Cycle below



It's spring! The sun is shining, flowers are blooming, snow is melting, and the rivers are running. While you are clearing out your garden beds and setting up your outdoor furniture, beavers are going through their own version of spring cleaning. The higher flows takes a toll on beavers, the force of the water can cause failures in their dams. Beavers work hard to repair their dams, just as you would quickly remedy a broken window or a leaky roof on your own home. By plugging holes with sticks, rocks, and mud, beavers restore integrity to their ponds. A well-maintained pond is essential to a beaver's success. For a beaver, a pond is the moat to the castle that is their lodge. The increased water depth protects beavers from would-be assailants, such as bears, cougars, and wolves. This is especially important in the spring as beavers are welcoming new additions to their families!

Baby beavers, called kits, would be a quick snack for any hungry predator if they were not protected. As the new young are settling into their wetland fortresses, the two-year-old beavers are saying farewell to mom and pop. Sub-adults will be dispersing this spring, looking for a new stretch of stream to call their own.



Photo: Relocated "nuisance" Beavers awaiting their new home at the Leavenworth Hatchery, part of Trout Unlimited's Wenatchee-Entiat Beaver Program.

Beavers will be busy this spring! All this activity could mean that you might encounter some beavers in the form of flooding your property or chewing your trees.

If you are experiencing unwanted beaver activity:
Contact Trout Unlimited's Wenatchee-Entiat Beaver Project at Lisa.Foster@tu.org or (509) 293-1417.
 They will trap the beaver and relocate them to remote areas where they can create healthy riparian habitat.

From Conflict to Conservation in the Entiat Valley



1993 Entiat landowners begin working with Cascadia Conservation District, Entiat Chamber of Commerce, US Forest Service, and Natural Resource Conservation Service (NRCS) to initiate locally-led resource planning develop local solutions to natural resource issues specific to the basin.

1998 Entiat Watershed Planning Unit (EWPU) was formed. Made up of Entiat valley landowners, government and non-government entities, and other stakeholders, the goal of the group is to "voluntarily bring people together to improve communication, reduce conflicts, address problems, reach consensus and implement actions to improve natural resource management on associated private and public lands in the Entiat watershed". Cascadia Conservation District provides technical, policy and administrative support to the EWPU.

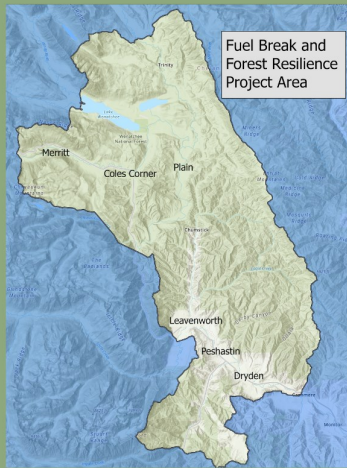
Local participation and leadership remain strong to this day. The EWPU is recognized for developing cooperative, proactive solutions to natural resource issues. They have successfully implemented a variety of important habitat, water quality and water quantity restoration projects in the watershed.

LEARN MORE AT CASCADIACD.ORG

PART OF CASCADIA CD'S 75 YEARS OF CONSERVATION!

FUEL BREAK AND FOREST RESILIENCE PARTNERSHIP

Technical assistance along with financial assistance programs, which can cover 50-80% of the cost of work, to improve forest health and help protect critical infrastructure from wildfire damage.



WHO IS ELIGIBLE?

Private landowners in the Lower Peshastin to Upper Wenatchee area are eligible and encouraged to apply.



FOR MORE INFORMATION:

Please scan the QR code, go to the link below to fill out our interest form: tinyurl.com/Forest-Resilience or call Joe at Cascadia: (509) 463-1601 or JoeH@CascadiaCD.org



Natural Resources Conservation Service
U.S. DEPARTMENT OF AGRICULTURE

This project is made possible through a partnership agreement with USDA-NRCS Washington through the Regional Conservation Partnership Program, which is funded through the Farm Bill. USDA is an equal opportunity provider, employer, and lender.

ARE YOU CREATING BURN PILES OR WANT AN ALTERNATIVE TO CHIPPING? TRY A BIOCHAR BURN!

Benefits of a Biochar Burn:

- Significantly less smoke than a conventional burn pile.
- Doesn't kill the soil underneath.
- Creates biochar to be used on or off your property or garden.



Learn how here:
tinyurl.com/Biochar-Burn



For questions or more information contact:
Joe Hill at (509) 306-8189
or joeH@cascadiacd.org.

Soil Testing Program

GOOD GRASS, ABUNDANT CROPS, AND RICH GARDENS START WITH HEALTHY SOIL.

Contact Elizabeth Jackson
at (509) 436-1601 or

elizabethj@cascadiacd.org

for a **FREE*** soil test

*must meet eligibility criteria



WELCOME ERIN!



RESOURCE TECHNICIAN

Erin cultivated her love of the outdoors at a young age. Originally from Hood River, Oregon, she grew up exploring and adventuring in the mountains of her hometown. She has a degree in Energy Science and Technology from Western Washington University and a background in commercial fishing and solar installation. As the newest member of the Cascadia team, she will be assisting in stream and habitat restoration projects across Chelan County. When not working on stream habitat projects, she enjoys mountain biking, skiing, bikepacking, and running.

PICTURE CHELAN COUNTY

Photo Contest

May 1 - Oct 1

Details at cascadiacd.org



KIDS CORNER: SPOTLIGHT ON BEAVERS

Funded
by: 

BEAVER Word Search



*Find the words from the box below.
They can be across, down, or diagonal.*

C C D L E I Y X E Z Q O T D D
A L Y W X A C B J C J A Z M A
S O R C G E C O S Y S T E M M
T D D E H P W S X K E N R G Z
O G X K S I H E R B I V O R E
R E J H D T S H W A K B D O A
E A R D I Z O E N Z O E E B H
O U V Z N O E R L C H N N S Z
R Z G B C B K Y A O V S T U P
V L B P I H A B I T A T G M W
S I E Z S X K Y H X I Z B G Q
V H V T O D I J L Y L O I Z I
B M G F R Z T B P F X A N Y R
X V F B I O D I V E R S I T Y
M K W F C M E E W J A H U D H

DAM	KIT	INCISOR	RESTORATION
CHISEL	LODGE	BIODIVERSITY	RODENT
CASTOR	HERBIVORE	ECOSYSTEM	HABITAT

Want to learn more about beavers? Check out our new beaver activity book available to print from cascadiacd.org or by calling (509) 436-1601.

UPCOMING MEETINGS & EVENTS

Cascadia Conservation District Board Meetings

May 19, June 16, July 21, 1:30-4:00. Watch our website or call (509) 436-1601 for updates. Call-in/Zoom options are available.

***Strategic planning in progress. Watch our website for updates & opportunities to participate.**

Entiat Watershed Planning Unit Meeting

June 7, 4-6 pm, Entiat Fire Station, 2200 Entiat Way
Call/Zoom participation available. Call (509) 436-1601 for details.

Cascadia Hosts FREE Yard Waste Disposal Days in May/June

Prepare for wildfire season and reduce smoke by taking your yard waste to dump for free! Events throughout Chelan County. **Details at: cascadiacd.org.**

Chelan County Moderate Risk Waste Facility

Spring cleaning? Properly dispose of hazardous waste here 9:00am-3:00pm Thu-Sat at 3612 Hwy 97A in Wenatchee. (509) 888-1195.

Chelan-Douglas Land Trust

- Birding with CDLT at Mountain Home. May 24 & June 14.
- Fuzzy-Tongue Penstemon Walk. May 1.
- Wildflower Walk at Cashmere Canyons. May 4.
- Weed Warrior Work Parties. May - June.

More info and registration for all above at www.cdlandtrust.org.

Lake Wenatchee Fire and Rescue

Safety Day. May 27 at Station 93 (19015 Beaver Valley Rd) 10am-3pm. Learn how to prepare for an emergency. **More info at lwfr.org.**

Sustainable NCW: Waste Wizard

What goes where? How to recycle in NCW! To view the Waste Wizard, visit: sustainablencw.org/wastewizard

Upper Valley MEND's Gleaning Program

May-October. Help harvest excess produce for food pantries in Chelan and Douglas counties. **Contact: rachel@uvmend.org or 509-699-7395.**

Wenatchee River Institute

- Leavenworth Spring Bird Fest. May 18-21
*Cascadia will host a tour of Potato Creek and Stormy Creek projects on May 19. Details on the Bird Fest website.
 - Bird Fest Family Day. May 20 10am-2pm at WRI
 - Think Like a Raven with Dr. John Marzluff. May 20 7-8:30pm
 - FREE Community Starts Swap. May 25 from 5-6:30pm at WRI
 - Red Barn Event - Building Pollinator Habitat. May 31 7-8pm
- Questions?** Contact programs@wenatcheeriverinstitute.org, call 509-548-0181, or visit <https://wenatcheeriverinstitute.org/>.



14 N Mission St
Wenatchee, WA 98801
(509) 436-1601
www.cascadiacd.org

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Marcy Bartelheimer, *Resource Technician*
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Kathleen Deason, *Administrative Assistant*
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The Conservation Quarterly is published on a quarterly basis by Cascadia Conservation District and reaches over 38,000 households in Chelan County. This newsletter is funded in part by grants from the Washington State Conservation Commission and other public and private granting entities.



Please Remember to Recycle

ENTIAT WATERSHED PLANNING UNIT

Bringing people together to improve communication, reduce conflicts, address problems, reach consensus and implement actions to improve natural resource management on associated private and public lands in the Entiat watershed.



*To join the list scan the QR code
or call (509) 436-1601*



Photo credit: Oly Mingo & Entiat Chamber of Commerce