



2022 Annual Report

Recreation and Facilities

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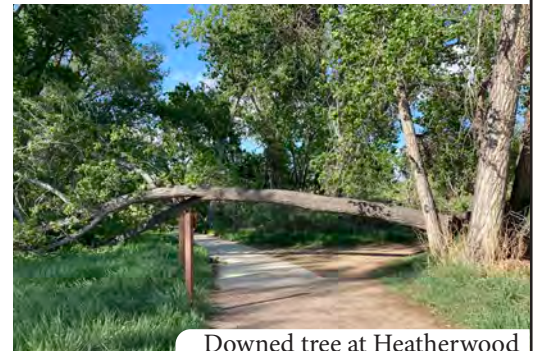
and our amazing
seasonal team

2022 was a big year for the Recreation and Facilities Division. The group helped wrap up major projects, like the Cal-Wood Fire Recovery and an update to the department's sign standards. The Cal-Wood project brought the division closer together, as all work groups chipped in to keep the project on track. Elsewhere, the Toll Trail construction reached near completion, setting the trail up for an opening in 2023. Both the Trails and Grounds teams worked hard to get trails in the Superior area open after the devastating Marshal Fire.

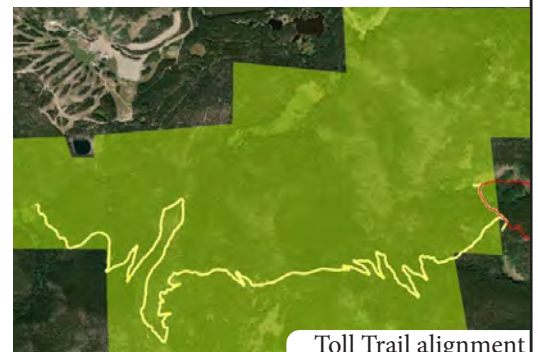
Across Parks and Open Space lands, crews worked hard to reduce the backlog of projects by replacing signs, resurfacing trails, re-roofing historic buildings, updating restrooms, managing trees along corridors, repairing boardwalks, and much more. Volunteer stewardship began to bounce back on a few major projects. Finally, behind the scenes, the group updated budgeting practices, implemented a fleet monitoring system, and ran major contracts. Thanks to the team for all the passion, hard work, and ingenuity to accomplish so much this past year.



Excavator working on Heil repairs



Downed tree at Heatherwood



Toll Trail alignment



New signs installed at Walden

Trails

Trails Crew Overview

The Boulder County Parks & Open Space (BCPOS) Trails crew had a productive, yet unpredictable, year. The Cal-Wood fire at Heil Valley Ranch started the season with infrastructure repairs to the trail system, bridges, and parking lot. The Recreation & Facilities, Planning, and Resource Protection departments combined resources and expertise to accomplish the huge task of reopening the property to the public



Trail crew constructing approach to temporary bridge at Heil

Regional trail systems received some maintenance attention in 2022. The LoBo trail that connects Longmont to Boulder needed two miles of crusher fines resurfacing. The local community benefits greatly from this trail system not only for recreational purposes, but it also provides alternative transportation needs for multiple user groups.

Another unforeseen project was



Resurfacing the LoBo Trail



Completed resurfacing of Niwot Trail

at the Meadowlark trail in Superior. The property experienced flash-flooding events over several weeks in August which severely damaged the nearly three-mile trail connector. Emergency funding was required to respond quickly and resurface the entire trail corridor within several months.

The Trails crew partners with the BC Youth Corp every year to provide summer projects for the High School aged demographic. The eight-week program gives young people in our community an opportunity to work on open space properties doing a variety of jobs. The Trails YC team completed trail maintenance on the one-mile Antelope connector trail that ties



Working on Meadowlark Trail repairs

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into the Hall Ranch system. They also worked on corridor clearing and maintenance at Betasso Preserve.

The Trails crew collaborates with the Transportation Department during the winter months to address 11.5 miles of regional sidewalk plowing. The routes the crew focuses on ensure community members that rely on public transportation have access to high volume RTD stops.

A community response app was developed in-house (called Workforce) to address and track calls from the general public. These requests vary from downed trees, graffiti removal, rockslides, and other public safety concerns that arise. In 2022, the Trails crew responded to 49 situations the public called in.

Between 2019 and 2022 the Boulder Climbing Community's (BCC) Trail Program has completed a three-week trail work project in collaboration with Boulder County Parks and Open Space (BCPOS) in the Platt Rogers Memorial Open Space, at what is collectively referred to as Castle Rock. This is the fourth and final year of a multi-year partnership between BCC and BCPOS. The primary objectives for this project were to address the impacts of climbers and other recreationists accessing the Broken Rock and Overlook climbing areas across from Castle Rock proper.

Trails Crew 2022 Stats

- 2 miles LoBo/Niwot High School resurfacing – 1,500 tons crusher fines
- 2.7 miles Meadowlark resurfacing – 1,900 tons recycled asphalt
- Total plains trails resurfacing: 4.7 miles
- Total resurfacing materials: 3,400 tons
- LoBo total cost: \$38,000
- Meadowlark total cost: \$70,950
- Total resurfacing: \$108,950
- Total rental expenses: \$43,000
- Tollland Trail: 5 miles of new mountain trail complete [contracted]
- Regional snow removal - per snow event: 11.5 miles
- 49 Workforce assignments

Trails Unscheduled Maintenance



Rock slide on Boulder Canyon Trail

The Trails crew has a workplan each year that includes scheduled maintenance and construction projects. In past years, we didn't have a method to capture how many maintenance requests we received in a year. In 2022, the Trails crew started tracking maintenance requests, utilizing an Esri product called WorkForce that GIS staff researched and implemented for Trails staff.

These requests vary in nature and include tasks such as down trees, graffiti removal, trail erosion, gate/fence repair, vegetation pruning, rock/debris removal, and social trail mitigation. These tasks also vary in completion time from several hours to several months.

Requests for maintenance are reported in a variety of ways, ranging from calls to the department, email reporting on the website, staff reports, Public Works department, and partnering

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In 2022, we averaged a request for maintenance about once a week. Requests were addressed based on the priority level. Some requests, such as down trees, needed immediate attention, as well as any reports where safety was a concern, while other reports, such as gate/fence repair, could be dealt with as time allowed

2022 requests by category:

- 18 down trees
- 3 gate/fence repairs
- 8 reports of graffiti
- 6 miscellaneous reports (illegal trail, bridge repair, etc.)
- 1 rock/debris removal
- 11 trail erosion reports (natural and improved surface trails)
- 2 vegetation/tree pruning reports



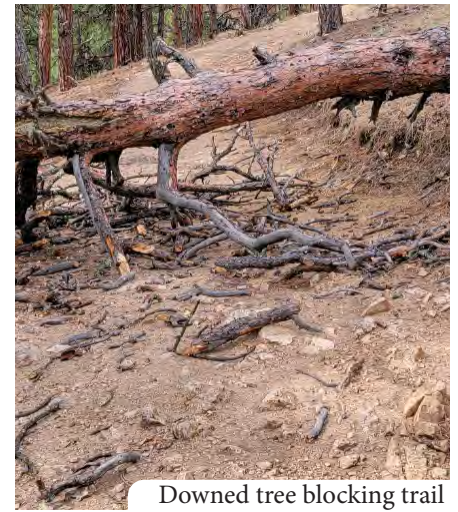
Graffiti along underpass



Damage to Meadowlark Trail



Trail erosion after weather event



Downed tree blocking trail

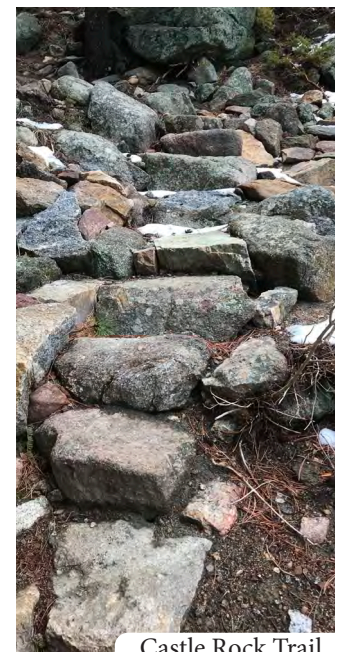
Trails Capital & Stewardship Projects



LoBo Trail repairs

Trails staff utilized Capital and Stewardship (CAST) money to complete two major projects and secure money for a third. Both completed projects have assisted in addressing the maintenance backlog.

1. The Trails staff worked with the Boulder Climbing Community to complete a four-year project at the Castle Rock site. The Boulder Climbing Community has a trail crew (Front Range Climbing Stewards) that specializes in improving climbing access. The crew spent three weeks completing the project for \$20,000, using CAST funding.
2. Trails staff also completed a trail resurfacing project on the LoBo Trail, which was funded from CAST dollars at a cost of just under \$38,000. The sections of the LoBo Trail that were resurfaced (approximately two miles) were originally constructed more than 20 years ago. We have had numerous complaints about the conditions of the trail.



Castle Rock Trail

Volunteers

General Background

The Recreation & Facilities (RAF) Division sponsored 22 requested volunteer work projects in 2022. These projects included 238 volunteers, who contributed a total of 959 hours of service. The majority of these hours were spent performing routine trail maintenance and restoring damaged trails. In addition to RAF-focused projects, RAF Volunteer Coordinators collaborated with other Boulder County Parks & Open Space (BCPOS) staff on four large-scale tree-planting volunteer work projects in the Cal-Wood burn scar.

RAF did not complete any public volunteer work projects in 2022, potentially because of the lingering effects that COVID has had on recruiting for volunteers. RAF will offer a minimum of three large-scale public volunteer work projects in 2023.

Near the end of the 2022 volunteer season, RAF hired Jo Daloisio as a full-time Trails Volunteer Coordinator, greatly increasing the workgroup's ability to meet the demand for requested volunteer projects in the future.

Volunteer Work Projects

Rabbit Mountain: At Rabbit Mountain, volunteers closed and restored some of the largest sections of braided trails on the Eagle Wind Loop. Stones were set in excessively widened sections of the trail to pinch it back down. In addition, a large social trail was ripped, reseeded, and closed with worm fencing to allow the area to recover.

Heil Valley Ranch: To prepare for the Heil Valley Ranch reopening, volunteers cleared overgrown

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Fencing closing social trail at Rabbit Mountain



Volunteers placing stones to reduce trail width



Closing braided sections of Eagle Wind Loop

Accomplishments

- Total projects: 22
- Total number of volunteers: 238
- Volunteer service hours: 959
- Trail distance maintained: 5.1 Miles
- Drains cleared: 62
- Fire mitigation at Lefthand Valley Grange: 10,000 lbs. of dead and downed material removed
- Trail distance modified to be made Accessible: 200 feet
- Number of rocks set: 221
- Pinch points installed: 160
- Linear feet of fencing built: 1,118 feet
- Distance of trail/social trail closed/restored: 480 feet
- Distance of trail braiding restored: 270 feet
- Linear Feet of trail widening restored: 1,146 feet
- Area reseeded: 3,000 sq. ft.

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vegetation from the Overland Loop, Schoolhouse Loop, and Skills Loop. After reopening, volunteers from the Fairview High School Mountain Bike Team cleared drains and de-bermed the upper half of the Overland Loop. Fairview High athletes also removed overgrown mullein from the Wapiti trail and performed routine maintenance on the Canyon Loop at Betasso Preserve.

Mud Lake: Volunteers began a long-term effort to improve accessibility at Mud Lake. They smoothed the tread, removed hazards, and widened the trail along a short section make it more easily passable by wheelchair. Volunteers will be utilized to expand this work to other sections of Mud Lake in the future.

Trail Closure Gate Installations

Outside of volunteer events, Volunteer Coordinators collaborated with other members of the RAF staff to complete the installation of eight pipe gates (four at Rabbit Mountain, and four at Hall Ranch) to assist with trail closures, focusing on excessively muddy trails. These permanent gates eliminate the need to track down sawhorses for trail closures, which can be easily lost, stolen, or ignored by trail users. RAF sponsored two Eagle Scout projects to build worm fencing off of each gate, enhancing their effectiveness as a deterrent during closures.



Volunteers restoring braided sections of trail

Buildings & Historic Preservation

It's all in the numbers!

Maintenance Backlog Completed

- 9 Open Space Properties
- 28 Structures

Sustainable Lumber milled at sort yard

- >200 board feet of 1x lumber
- 4 – 8"x8"x16' beams

Walker Ranch Re-Roof

- 4500 sq ft of cedar shingles replaced

Walden Board Walk

- 1200 ft of hand & bumper railing replaced.

Solar Tool Trailer – Power Generated

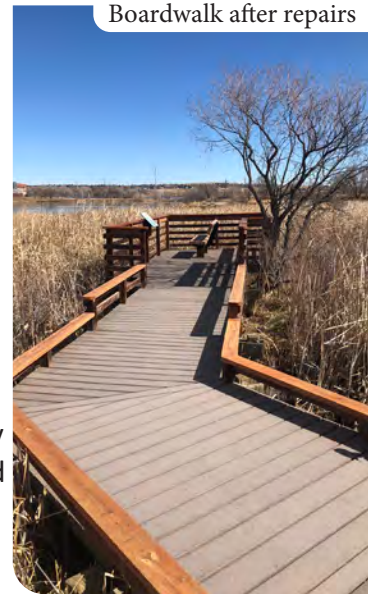
- 34 kilowatt- hours (equivalent to running a gas generator for 172 hours straight)

Emergency & Pop Up requests

- 1275 hours

Buildings & Historic Preservation (BHP) had an outstanding year of completing the project goals set for 2022. Between our first week replacing the warped and weathered handrails of the Walden Ponds boardwalk to the final week creating hand-crafted wooden toys, which were donated to families in need, the vast spectrum of skill sets and variety of projects of the crew were truly highlighted. In 2022 BHP focused heavily on the maintenance and repairs of historic structures.

Detailed assessments of current building conditions help to identify specific priority repairs needing to be done and allowed the team to knock out a substantial chunk of the maintenance backlog.



Boardwalk after repairs



BHP and Admin Team at Puzzler

Here is a small sampling of BPH accomplishments:

- Reroofed 4,500 sq. ft. of the Walker Ranch hay barn
- Repaired wind-damaged siding, roofing, and windows at Betasso and Ramey
- Repaired rotten decking and gates at the agricultural heritage center and Caribou Ranch
- Mitigated flood damage at the Assay Office from frozen and burst water pipes
- Restored the Puzzler boarding house and Bluebird mining shed at Caribou Ranch;

Betasso privy restoration



BEFORE



AFTER

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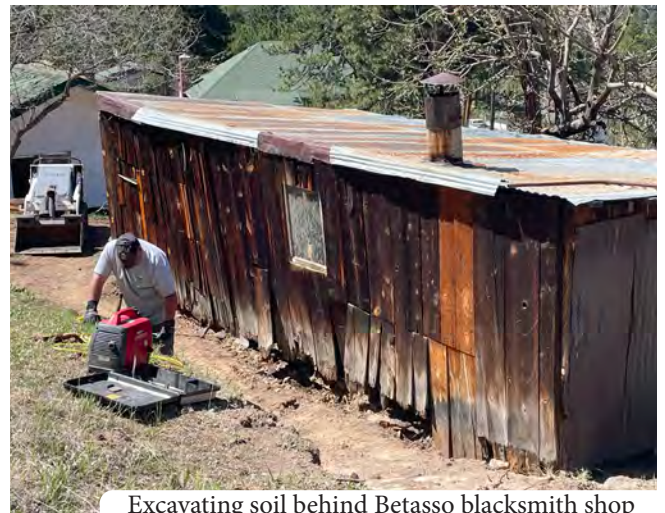
In collaboration with other work groups in the department, BHP contributed close to 400 hours helping with the following projects:

- Reopen Heil Ranch after its closure from the Cal-Wood Fire
- Prep and maintain the amenities of the Artist in Residence at Caribou Ranch
- Sponsor a youth corps team at the Braly property, where the youth assisted in the ongoing restoration of the historic Braly barn.

It was a great year for BHP, and the team plans to make 2023 just as great!



BHP and Youth Corps Braly corral restoration



Excavating soil behind Betasso blacksmith shop



Douglass Fowler lumber milling with sawmill

Trailhead Maintenance



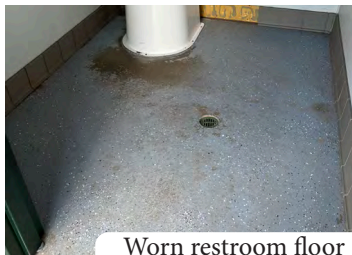
Old recycling bin



Updated recycling bin

The Boulder County Trailhead Maintenance (THM) program has a lot to be proud of, with countless accomplishments during the 2022 season. Not only were there a record number of amenity projects completed, but the team also managed to execute a high standard of care with the routine facilities maintenance schedule. It is the dedicated workgroup members, comprised of fulltime and seasonal staff, that create high quality output related to trailhead amenity maintenance and upkeep.

The team is responsible for trailhead improvements and preservation completed projects like structure exterior integrity work, functional and aesthetic refinishing, and key component replacements. Along with the variety of maintenance plans being implemented throughout the year, the trailhead maintenance crew continually managed the service aspect of the job by keeping the amenities clean, restroom supplies stocked, trash emptied, and park goes happy!



Worn restroom floor



Restored restroom floor

Trailhead Maintenance Punch List Items Completed

- Hours put towards maintenance routes: 2,340 hours
- Hours spent on pop-up requests: 72 hours
- Hardware elements replaced: 25
- Hours spent on graffiti removal: 18
- Hours picking-up dumped trash: 34

Side Projects:

- Restroom door handle hardware refurbishing
- BearSaver latch lubrication
- Installing "no trash in toilets" signs inside restrooms
- Playground upkeep maintenance
- Fishing line program collection
- Signpost prep for Signs Department

Major Trailhead Projects

Rabbit Mountain:

- Sealed restroom stone wall and information kiosk

Picture Rock

- Sealed restroom stone wall and information kiosk

Hall Ranch

- Epoxied restroom floor
- Replaced restroom doors
- Sealed restroom stone wall and information kiosk

Heil Valley Ranch (Main TH)

- Re-painted restroom doors
- Re-painted restroom roof
- Epoxied restroom floor
- Re-painted and re-labeled trash bin

Caribou Ranch:

- Epoxied restroom floor
- Sealed restroom stone wall and information kiosk

Mud Lake

- Sealed restroom stone wall and information kiosk
- Epoxied restroom floor

Walker Ranch

- Replaced restroom doors
- Sealed restroom stone wall and information kiosk

Pella Crossing & Marriot:

- Sealed restroom stone wall and information kiosk

Twin Lakes

- Poured concrete pads and added new BearSaver bins to three locations



Newly painted doors

The Recreation and Facilities division utilizes a variety of methods to complete new construction, routine maintenance, and specialized work. Projects are completed with a variety of resources and funding methods, including contractors, Youth Corps, grant funding, and Boulder County Parks & Open Space (BCPOS) Foundation funding.

The Boulder County Youth Corps works eight weeks of the year on trailhead maintenance, trail maintenance, and fence construction, along with a variety of other tasks. In 2022, trails staff utilized TeamWorks, a conservation-based summer employment program for teens ages 16 – 20 around the Front Range and based out of Nederland. TeamWorks completed a week of trail maintenance at Mud Lake in 2022 and was funded through the BCPOS foundation.

Urban Forestry received a \$5,250 grant from the BCPOS Foundation to fund restoration pruning in the historic Zapf Orchard. We contracted Log Dog Forestry, who specialize in rejuvenating apple trees.

Recreation & Facilities is currently working with Lefthand Outdoor Challenge to design and build a solar trailer for their activities in the field to decrease our current use of gas-powered generators and move us toward more sustainable sources of power. The solar trailer is being funded by a \$10,000 grant from the BCPOS Foundation.

The Toll Trail has been under construction by a contractor since 2021 and was completed in the fall of 2022. This 5.5-mile trail has been funded by both a Colorado Parks & Wildlife grant as well as a donation from the Mike O'Brien fund.



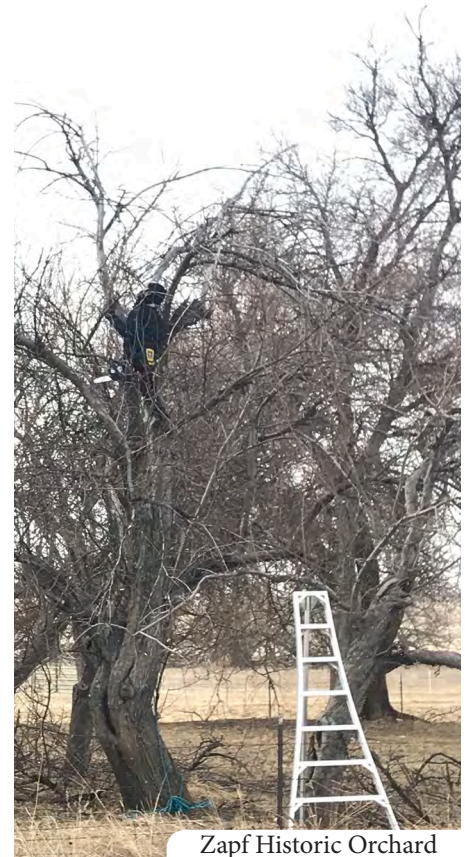
LHOC Trailer Concept



Youth Corps Fence Build



Teens Inc. at Caribou Connector Trail



Zapf Historic Orchard

Grounds

The Grounds Team was involved in many different projects throughout 2022. Assignments ranged from construction to heavy maintenance to light maintenance. Here is an overview of accomplished tasks:

Construction

- Heil Valley Ranch Fire Recovery demobilization: Clean and remove any unneeded trailers and equipment and return to Boulder County Parks & Open Space (POS); organize and transport all supplies back to POS yard and inventory; final clean-up of Party Barn staging area.
- Bud and Velma parking area at Heil Valley Ranch: Excavation, stone curbing installation with concrete pour and final grade for 16 new parking spots.
- St. Vrain Sort Yard: Cut in 200-yard access road; grade and rolled 980 tons of road base; install gates and barbed wire fencing.
- Memorial Bench installation (eight) and maintenance

Heavy Maintenance

- Trailhead grading with extensive work done at Lagerman Revisor, Betasso Preserve, Legion Park, and Pella Crossing.
- Mowing: 100+ miles of regional trails, mountain trails, and prairie trails mowed and maintained. All trailheads mowed and trimmed on a set schedule.



Stone curbing being installed



Heatherwood Notch bench



New LoBo Trail fence



Lefthand Canyon gate installed

Light Maintenance

- Irrigation: Charging system in the spring, maintenance throughout the season and winter blowouts at Agricultural Heritage Center, Kerr Gardens, Goodhue House, Homestead, and Left Hand Valley Grange.
- Trailhead maintenance throughout the county: Cold patch and pothole repair; fencing installation and repair; curbing installation and maintenance; bollard installation and maintenance; gate installation and repair; culvert and swale cleanouts.

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- Snow marker seasonal installation and removal at Goodhue House, Walker Ranch Loop, Meyers Gulch, Mud Lake, Caribou Ranch, and Betasso Preserve.
- Worked with Youth Corps for two weeks installing new post and dowel fencing and gates at Kerr Gardens, along with repairing existing perimeter post and dowel fence.
- Worked with George Carter and a volunteer group doing fire mitigation and brush removal at Left Hand Valley Grange. On a different day, we chipped and composted two tons of material.
- Aldridge / Toll: Felled trees and built fencing to prevent motorcycle and jeeping activities on county and private properties.
- Graffiti removed on benches, bollards and bridges.

Grounds Marshal Fire Response

The Grounds staff started this year by assessing damage caused by the Marshal Fire. The entire team responded swiftly to repair or replace the gates, bollards, and fencing at all eight public access points. In total, seven gates, three bollards and 600 lineal feet of barbed wire fencing were replaced.

On a warm spring day, the recovery work was completed by staff seeding and hydro-mulching five acres of barren soil to help restore native vegetation.



Gate burned by Marshal fire



Gate replaced after fire



Grounds crew hydro-mulching

Grounds Team Project at Heil

Over the course of 13 months, the Grounds Team worked to repair access roads and upgrade the main trailhead at Heil Valley Ranch because of the extensive damage from the 2020 Cal-Wood Fire. Our workgroup spent four months repairing and improving the access roads to handle the projected large runoff events in the burn scar. The crew installed roadside ditches, 14 large culverts with stone catch basins, 1,400 tons of road base, and revegetated all disturbed areas with native vegetation.



Culvert being installed at Heil

Upon completion of the access roads on the western sides of the property, the team was divided into two parts to maximize our effectiveness. Two crew members were tasked with the installation of new, locally sourced emergency closure gates throughout the southern half of the property because of fire damage. During this time, construction to the main trailhead commenced, with the help of the Trails Team during the month of December. The lot was redesigned to provide better drainage and more public parking, giving visitors more opportunities to access the property. Our teams used 400 tons of fill dirt to build the southeast side of the lot out. After rough grading the entire lot, 1,083 linear feet of stone curbing were installed into concrete. After finishing grading with 1,300 tons of road base, the trailhead currently has 54 parking spaces, with a few more on the way once the new bridges are installed this coming summer.



Rebuilt Heil trailhead



Gates installed at Heil



Installing stone curbing

Urban Forestry

The Boulder County Parks & Open Space (BCPOS) Urban Forestry (UF) team performs a variety of duties in the development and maintenance of trees and shrubs in the county’s parks, trailheads, and trail corridors.

The main goals of the UF team are:

- Urban forests are maintained to be safe and welcoming environments.
- Maintenance backlog is completed, and tree risk to amenities and park users is minimized.
- Maintenance actions are proactive rather than reactive.
- Management practices adapt to maintain tree health and vigor in light of climate change.
- Best management practices are used to preserve wildlife habitat and increase carbon sequestration.

The UF team assisted the City of Louisville with Marshall Fire tree risk assessments. Tree assessments on BCPOS trees on Erin Arsenault are ongoing to evaluate long-term health of the trees post-fire.

The team diverted 30 tons of tree debris from the landfill to sustainable programs, delivering chipped tree debris to local BCPOS tenant farms to be used for soil rejuvenation. Tree logs were used to mill lumber on the department’s portable sawmill.

An essential piece of equipment used by the team, the bucket truck, was out of service for a majority of 2022. This event led the team to shift focus to small tree maintenance and trail corridor clearance. Densely forested trail systems in Gunbarrel were pruned to increase line-of-sight visibility for pedestrians and cyclists.

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Brewing compost tea



Trailhead Totals

Location	Total Trees	Irrigated	Supplemental Watering	Non-irrigated	New Plantings	Anti-Desiccant	Winter Wrap	Winter Water (gal)*	Summer Water (gal)**	Mulch (ft ³)***
AHC	68	59	9	-	-	8	42	1620	6480	192
Heil/Altona	78	-	70	8	4 trees	30	16	12600	50400	312
Hall	30	-	-	30	-	24	-	-	-	-
Pella	27	-	27	-	-	3	17	4860	19440	108
Suits	4	-	4	-	-	-	4	720	2880	16
Lagerman	40	-	32	8	-	9	16	5760	23040	160
LHVG	90	61	29	-	1 tree	34	27	5220	20880	360
Centerbridge	11	-	6	5	-	-	5	1080	4320	44
Twin Lakes Res	4	-	4	-	-	-	-	720	2880	16
Homestead	5	3	2	-	-	-	4	360	1440	20
Walden	35	-	35	-	-	-	20	6300	25200	140
Kerr	7	4	3	-	-	-	3	540	2160	28
Stearns	4	-	4	-	-	-	2	720	2880	16
Goodhue	28	4	24	-	-	1	15	4320	17280	112
Niwot Loop	3	-	3	-	-	-	-	540	2160	12
POS Office	2	-	2	-	-	-	2	360	1440	8
SVSY	-	-	-	-	75 shrubs	-	-	-	-	-
Totals	431	131	254	51	80	109	171	44820	179280	1524

Total water/year 224100

*Average 30 gallons/tree for 6 months, watering 1 time a month

**Average 30 gallons/tree for 6 months, watering 4 times a month

***Average 4ft³/tree

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The team planted five trees and 75 shrubs in 2022. UF usually plants 20-40 new trees each year. Tree varieties are selected for drought tolerance and hardiness as a conservation effort and to adapt to climate change. Young trees are given supplemental water until they become established, which can range from three to more than six years. Tree watering is labor-intensive and has been affected by recent drought conditions. In 2022, UF decided to plant only five trees in an effort to maintain the current inventory of young trees to a healthy standard.

Planting fewer trees allowed the team to concentrate on safety-focused tree pruning in trailheads and trail corridors. Tree risk assessments were performed in-house, and contracts were written to mitigate the documented concerns. The work was implemented in-house, where accessible, or through local tree care companies.



AHC pollinator flowers

Tree Continuing Services Contract Work

Season	Location	Trees Pruned	Trees Removed	Risk Assessment Completed	Area (ac)	Cost
Spring	Gage	1	-	N	0.09	\$2,100
	Heatherwood	2	5	Y	3.79	\$7,967
	Country Creek	1	-	N	0.08	\$2,300
	Cottontail Trail	2	-	N	0.51	\$3,240
	Willows - Wellington to Spine	7	2	Y	3.14	\$7,125
	Loukonen	1	-	N	0.10	\$2,200*
	Zapf	13	-	N	0.40	\$5,250**
Fall	Goodhue	14	4	N	0.72	\$10,880
	LHVG	11	1	Y	0.89	\$6,181
	Pella & 75th	9	3	Y	1.32	\$9,946
	Monarch	1	-	N	0.08	\$2,025
	Cougar Trail	26	1	Y	7.09	\$19,012
	Cougar Cottonwood Failure	-	1	N	0.08	\$7,868
Total		88	17		18.20	\$78,644

* Funded by Ag

** Funded by POS Foundation



Clearing at Marlatt



LHVG elm before trimming



LHVG elm after trimming

Signs

The start of 2022 once again found the Boulder County Parks & Open Space (BCPOS) Sign Shop in recovery mode. The devastating Marshal Fire destroyed 20 signs along the Mayhoffer-Singletree Trail, the Meadowlark Trail, and their access points. Sign damage evaluations, sign material allocations, sign fabrication, and final sign replacement installation were completed quickly.

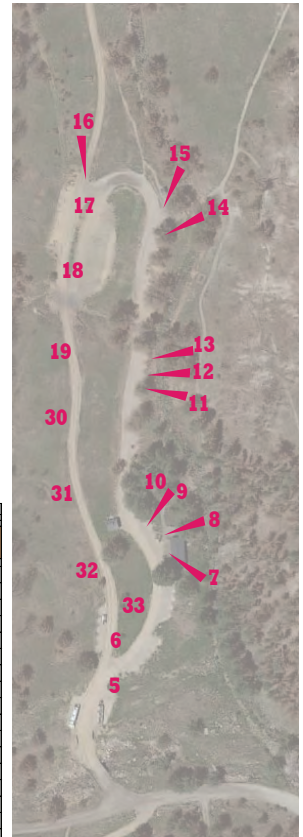
Summer brought the completion of the sign restoration inside and adjacent to the devastating Cal-Wood fire. All 65 completed signs were located on the Heil Valley Ranch property itself. Areas including the Main Trailhead parking lot, Wapiti Trail, and the Skills Loop, all received new signage. The Flood Awareness program, creating a noon closure, dictated collaborative signage with Boulder County Road Maintenance, BCPOS Rangers, and the BCPOS Sign Shop. All permanent and semi-permanent signs needed to be fabricated, installed, and tracked.

Throughout 2022 the Sign Standards & Messaging Manual (SSMM) project required a great deal of collaboration between internal and external stakeholders. Though the project is weeping into 2023, the Walden Pilot Project that occurred within the SSMM project was completed in record time. Nearly 100 old signs were removed and replaced with a new design look, with the hopes that all visitors will enjoy easier navigation throughout the park, as well as a better understanding of the park regulations.

Heil Valley Ranch MAIN TRAILHEAD Sign Restoration

- 5 Parking Lot Closed Sign & Climb To Safety
- 6. One Way
- 7. Shelter Regulations
- 8. Mini Kiosk
- 9., 10 ADA Van
- 11, 12, 13. Compact Car Only
- 14. ADA Van
- 15. Parking Lot Closed Sign & Climb To Safety
- 16. No Parking
- 17, 18. Bus & Trailer Parking
- 19, 30, 31, 32. No Parking
- 33. Do Not Enter

Trailhead Sign	Message	Color	Post	Signs Above Ground	Signs 1 Total Height
5	Climb to Safety	Grn	4x14	68	92
6	Parking Lot Closes at Noon	Ylw			
7	One Way	Blk	5x5	47	71
8	Shelter Regulations	Blk	4x4	58	83
9	Mini Kiosk	Blk	5x5	72	96
10	ADA Parking	Blu	4x4	77	101
11	ADA Parking	Blu	4x4	77	101
12	Compact Car	Blk	4x4	77	101
13	Compact Car	Blk	4x4	77	101
14	ADA Parking	Blu	4x4	77	101
15	Climb to Safety	Grn	5x5	68	92
16	Parking Lot Closes at Noon	Ylw			
17	No Parking	Blk	4x4	77	101
18	Bus and Trailer Parking	Blk	4x4	77	101
19	Bus and Trailer Parking	Blk	4x4	77	101
30	No Parking	Blk	4x4	77	101
31	No Parking	Blk	4x4	77	101
32	No Parking	Blk	4x4	77	101
33	No Parking	Blk	4x4	77	101



Heil sign plan

Old and updated signs at Walden Ponds



Old signage



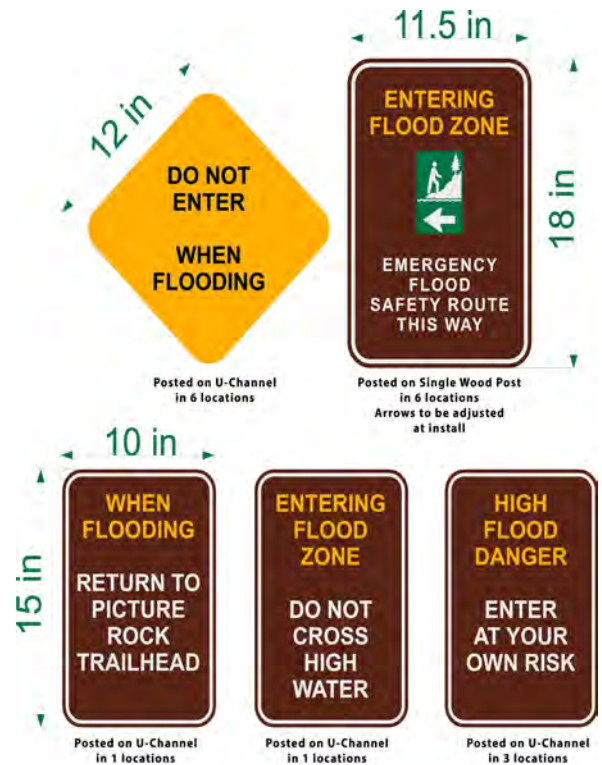
Updated



Old signage



Updated



17 TOTAL SIGNS

Heil flood zone signs

Fleet, Shop & Safety

- Manage 11,000 square foot shop
- Coordinate maintenance of 345 fleet units with Fleet Services
- 2 safety celebrations
- Conducted a safety audit/inspection of the shop with Grainger safety rep
- Replaced 2 OHV's, 2 pick-up trucks, 2 wing mowers, 1 skid steer and 1 forklift
- Purchased powered air purifying respirator (PAPR) for Trails staff
- Conducted 65 trainings for staff members in the areas of equipment operation, trailer towing, van driving, shop use, etc.

Fleet Much has been accomplished by the shop workgroup in 2022. GPS tracking devices for 110 fleet units were installed to collect fleet telematics information. This information includes; drive time, trip recording, mileage, fuel usage, speed, and harsh driving events. Vehicle information, such as engine load, battery condition, fault codes, fuel level, and idling, is also gathered. Included with this project is the use of a driver app to perform electronic pre-trip inspections, which will streamline the maintenance process while moving on from paper inspections.

Over the course of the year, new and replacement fleet units had specifications written, quotes obtained, and purchases made. These included a Skid Steer for Forestry, three OHVs for Trails and Heil fire recovery efforts, two work trucks for Resource Protection and Weeds, two wing mowers for Weeds and Ag, two zero turn mowers for Grounds, a forklift for the Suitts storage shed, three trailers for Resource Protection, Grounds and Ag, and a backhoe attachment.



Wing mower trailer



Gator OHV

Replaced units were turned into Fleet Services to be sold at auction. These include a skid steer, an ATV, three work trucks, two wing mowers, two zero turn mowers, two trailers, and a forklift.

Another public auction we utilize for non-fleet assets sold hand tools, power tools, fencing supplies, gates, shop cabinets, backpack sprayers, saws, hose reels, and irrigation pipe. A percentage of the proceeds from this auction was donated to benefit a local non-profit agency; namely, the Saint Vrain Young Farmers Association.

Training Shop, fleet, and new employee training is always important and is offered throughout the year. The shop workgroup completed on-boarding orientations for 34 new employees, as well as various fleet equipment certification trainings for 65 staff members. These fleet trainings were for ATV, OHV, skid steer, excavator, 12-passenger van and trailer towing.



ATV training



OHV training

...Continued from previous page

In 2022, the shop workgroup started using a different site for ATV & OHV trainings. Obtaining a special use permit from the city of Longmont enabled us to use a vacant field at the Open Space and Transportation Complex site. This new site is close to the Boulder County Parks & Open Space (BCPOS) offices, has differing types of terrain, and needs no permission or scheduling to use.

Another major change that will have positive effects is the development of the BCPOS Equipment Trainer team. This group of people, representing all department divisions with field staff, will be the go-to team for getting equipment training/certifications. An on-line system for requesting training is in place, as well as a Teams page to store all training-related documents.

Safety

Our Safety Committee had a very productive year in 2022. During the team’s monthly meetings, we discussed updates and announcements of our current plans and goals. Every month a committee member drafted a safety email to all staff on a pre-determined subject. The BCPOS safety month is May, and a weekly message was sent out during this time.

The department had positive turnout during two events that included food/treats to celebrate our safety accomplishments throughout the year. Each year, the committee plans, promotes, and presents an event where staff can inventory and re-stock vehicles and work first-aid kits. This event was well attended and popular with all attendees.



Medical kit re-supply



Warming up with a pancake safety celebration

With information from a 2021 contracted safety assessment, the committee drafted plans for each workgroup that outlined safety-related goals and accomplishments. These plans will be a reference moving forward that each individual workgroup will use to plan both large projects and every-day activities. Committee funds were used to purchase PPE (Personal Protective Equipment) and other safety-related equipment and supplies, which included, but was not limited to, a powered air purifying respirator (PAPR), hi-vis sweatshirts, first-aid supplies, and fleet-related parts. The safety team has paired up with Boulder County’s safety specialist to conduct safety inspections/worksites visits. These visits occur wherever BCPOS staff have projects occurring and provide an opportunity to give feedback on safe work practices and areas for improvement.