



Carson Valley Trails Association

-2017 Trail Operations Overview -2018 Work Plan

----- 2017 Bently Heritage Trail -----

- 1) Many trail sections were flooded January-July. Public access was restricted by mud and water, and the trail became overgrown even more than usual with forbs and grasses. Vegetation was cleared and the trail reopened in the fall.



Overgrown and flooded sections of the trail



Reestablishing trail through grassland

- 2) A 100-foot section of trail on the middle loop was realigned around a low spot that holds water after heavy rains.

- 3) Saturated soils and multiple wind events caused hundreds of willows to fall on the trail. These were all cut.



Fallen willows



Cleared willows

- 4) On the west side of the Middle Loop, two more trail sections were washed away. Both sections were realigned.



Washed away sections of trail

- 5) Flooding deposited a vast amount of debris on the trail that was all cleared off.



Limbs and logs cleared from the trail

- 6) The 100-foot boardwalk was flooded, froze and upheaved out of place, causing significant damage. This was repaired and rebuilt.



Boardwalk over flooded area



Boardwalk repair work

- 7) One boardwalk was deliberately damaged with heavy machinery. The boardwalk was rebuilt.



Damaged boardwalk footings



Rebuilt with longer span

- 8) Five new boardwalks and one extended boardwalk were built across short trail sections that are sometimes wet or muddy. This will hopefully increase trail use and prevent continuous growth of forbs and willows in the trail.



15-foot new section



35-foot new section



15-foot new extension



12-foot new section



30-foot new section



- 9) Trail maps were installed at six different trail junctions and some of the stickers replaced on fiberglass posts.



Trail maps installed at junctions

----- 2018 Bently Heritage Trail Work Plan-----

- ✓ An additional boardwalk may be built across an intermittent wet area.
 - ✓ Brushing will occur on the entire trail.
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----- 2017 Clear Creek Trail -----

- 1) Several major rain events rutted out old roads where the trail crosses. These ruts were filled back in.



Crossing of rutted old road

- 2) 400 feet of trail was realigned directly east of the recently paved road crossing for two reasons. A new road ditch created a 2-foot drop-off between the road and trail; and a 10-foot deep ravine was carved through the trail from uphill water

channeling. A new catch basin was built to resolve these new water issues. The trail realignment now skirts the base of this new catch basin and culvert.



Ravine through trail



Trail realigned below new catch basin



Realignment construction



New realignment

- 3) Routine brushing and drainage work occurred on the entire trail system.
- 4) Two slickrock sections of trail were re-benched.
- 5) One broken sign post was replaced.
- 6) Five fallen trees were cleared from the trail.
- 7) Flooding jammed a typically dry crossing with vegetation, forcing water to back up and cut away part of the trail. The trail was benched back, debris cleared and temporary stepping stones installed.



Trail damage from flood debris in drainage



Trail benched back, debris cleared and rock crossing installed

----- 2018 Clear Creek Trail Work Plan-----

- ✓ Routine brushing and tread work will occur on the entire trail system.
 - ✓ The Clear Creek Connector Trailhead and the last couple hundred yards of trail connecting to it may be completed this year. Current construction deadline is December, 2018.
 - ✓ Construction will occur on the upper 6.5 miles of the Clear Creek Trail to Spooner Summit.
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----- 2017 Fay-Luther/Jobs Peak Ranch Trail System -----

- 1) The first draw crossing on the Interpretive Trail was rebuilt after winter floods.



Rebuilt and armored trail across draw

- 2) The Valley View Loop was brushed out.
- 3) The two waterbars above the Fay-Luther Trailhead kept busy during winter rains.



Waterbar maintenance before the umpteenth atmospheric river

- 4) The bench above Jobs Peak Ranch Trailhead was about to fall over and was reinstalled.



Reinstalling bench

- 5) A short realignment was built on the north half of the Grand View Loop to better cross a drainage that was damaged from heavy winter rains.



Grand View Loop section damaged and realigned

- 6) Minor brushing occurred on the trail above Jobs Peak Ranch Trailhead.
- 7) The entire southern half of the trail system was brushed out and water drainages cleaned out.
- 8) The Fay-Luther/Jobs Peak Ranch Trail was brushed out between the cable steps and the bridge.
- 9) Five fallen trees were cleared from the trail.



Interpretive Trail



Fay-Luther/Jobs Peak Ranch Trail

- 10) Rocks were placed on a section of the Fay-Luther Jobs Peak Ranch Trail to allow water from a spring to continue flowing directly across the trail.



Rocks placed to prevent water on the trail

----- 2018 Fay-Luther/Jobs Peak Ranch Trail System Work Plan-----

- ✓ Routine brushing and drainage work will occur throughout the trail system, mostly on the old road segments.
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 - ✓ A portion of the paved Fay-Luther Trailhead may be repaved due to large pothole development.
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----- 2017 Genoa Trail System -----

- 1) Twenty-six trees were cleared from the trail.



Sierra Canyon Trail

- 2) To prevent eventual damage to the Sierra Canyon Trail bridge, two dead white alder forks were cut down that were hanging over it.



White alder trees removed

- 3) Several sections of trail within the first mile of Eagle Ridge Trailhead were damaged from multiple heavy rain events. All of these were a result of water coming down typically dry draws. The area directly above the Eagle Ridge TH and the next six draws afterward all had flood waters damaging the trail. All of these were repaired.



Before and after: A berm was built to contain water and prevent further damage to an old road section of trail directly above Eagle Ridge TH.



Before and after: Adams Canyon overflowed down an old road, carving out a ravine through the trail



Before and after: The Adams Canyon crossing overflowed onto the trail. The water was redirected into its channel and the trail repaired



Before, during and after: The third crossing above Eagle Ridge TH was severely damaged from flooding. The crossing was armored and trail repaired

- 4) The draw directly above Razor Ridge in Genoa Canyon flooded and washed out a section of trail.



Area above Razor Ridge washed out

- 5) A landslide fell across a section of trail about a half mile above Razor Ridge. The trail was rebuilt through the slide.



Landslide area cleared and trail rebuilt

- 6) A 175-ft realignment was done on a turn below the landslide to eliminate a steep section of trail.
- 7) The entire trail system was cleared of winter rockfall.
- 8) Mileage signs at trail junctions, and at the Genoa Canyon, Sierra Canyon and Eagle Ridge Trailheads were updated to reflect current distances after four years working on seventy-three realignment projects to complete the trail system.



Updated mileage signs at trailheads

- 9) A rock causeway was built on the east side of the upper Sierra Canyon creek crossing to avoid water and mud, and absorb any creek overflow.



Rock causeway

- 10) A fallen tree just above the South Fork Genoa Canyon crossing was diverting water out of the creek channel and onto a section of trail. This tree was removed and the drainage reestablished in the creek channel.
- 11) The Sierra Canyon Trailhead dog sign was relocated to a more visible post.



Sign relocated

- 12) A wooden causeway on the Sierra Canyon Trail was repaired after an ephemeral spring became a creek during heavy snow melt which scoured out some of the causeway. Water was redirected and the causeway refilled with cut logs, soil and rocks.



Causeway flooded



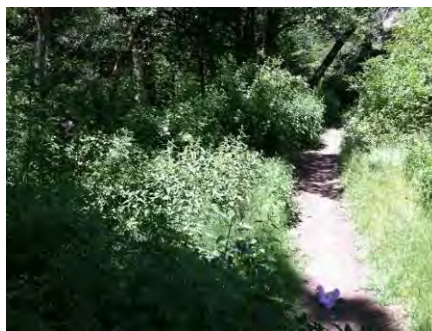
Causeway repaired

- 13) Heavy snow loading snapped two trail sign posts on the upper Sierra Canyon Trail. The signs were reinstalled on shortened posts.



Signs reinstalled on shorter posts

- 14) The nettles in the lower Genoa Canyon jungle were cut back... twice.



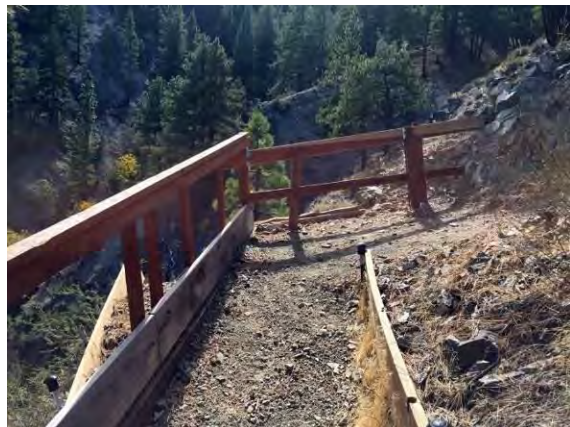
Nettles and roses trimmed

- 15) A short, wet boggy trail section was armored with rocks on the Sierra Canyon Trail.



Boggy area armored with rocks

- 16) Riparian vegetation (roses, nettles, bitter cherry, willows) was brushed out along Genoa Creek and above Eagle Ridge Trailhead.
- 17) The southerly section of handrail in lower Genoa Canyon was broken apart and repaired.



Broken handrail repaired

- 18) A sight line was improved on a trail bend above Eagle Ridge TH for better safety.



Trail widened and brush removed to improve sight line

- 19) Subsurface matting was reinstalled on a sandy, loose switchback on the Sierra Canyon Trail.



Matting reinstalled

- 20) The second and fourth switchback above the Genoa Canyon TH each had the grade cut down to reduce steepness and slipperiness.



Grade reduced on second switchback

- 21) A new rock crossing was built across lower Genoa Creek for hikers to safely cross. An adjacent bike/equestrian clear path remains to cross over.



Rock crossing built in lower Genoa Canyon

- 22) A retaining wall in Genoa Canyon was repaired. A metal cross brace was drilled and bolted between two wall sections for support that were slumping. The fallen boards were reinstalled and backfilled.



Retaining wall repaired

23) The East Brockliss Loop was brushed out and flood debris removed from trail.



Brushing the East Brockliss Loop

24) Railroad ties that were washed away by floodwaters at River Fork Ranch were gathered back up and reinstalled.



Reinstalling railroad ties

25) Benches and boardwalks that floated away during floodwaters were relocated.



Benches and boardwalks found and relocated

----- 2018 Genoa Trail System Work Plan-----

- ✓ Routine tread maintenance, rockfall cleanup and brushing will occur throughout the entire trail system.

----- 2017 Pinyon Trail -----

- 1) Two trees were cleared from the trail.



Trees cleared on Pinyon Trail

- 2) One of the OHV road crossing sign posts was broken. A new post was installed.



Sign post broken and new post installed

- 3) Routine tread maintenance occurred on the trail, including rockburg removal and brushing.

----- 2018 Pinyon Trail Work Plan -----

- ✓ Routine tread maintenance will occur on the trail.
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