

SCENARIO B

- Significant redevelopment of trails and connections in Boulder Valley Ranch (BVR), focused on utilizing terrain to provide an exciting and diverse visitor experience.
- Changes in Wonderland Lake subarea focused on new trail connections to replace undesignated trails, realigning trails damaged by the flood, coupled with an increase in interpretive and fishing opportunities at Wonderland Lake.
- New trails and connections in North Foothills subarea with two separated loop trails on Joder coupled with the creation of a connector trail to the Joder Property through the North Foothills Habitat Conservation Area (HCA) bisecting the large habitat block.
- Moderate public access in Northern Properties with restrictions in areas with sensitive and critical natural resources.
- Bring all trails and trailhead up to OSMP standards, including additional horse trailer parking at the new trailhead near the Degge Trail access point, Eagle Trailhead and Lefthand Trailhead.
- Restore and revegetate all undesignated trails not integrated into designated trail connections.

<u>Boulder Valley Ranch</u>	<u>Wonderland Lake</u>
<ul style="list-style-type: none"> • Extensively repair and reroute trails in order to better utilize terrain, resulting in improved visitor experience and increased sustainability. • Work with partner agencies to connect the Eagle Trail into proposed Boulder Reservoir Trail and complete a connection along 55th Street between Boulder Reservoir Trail and Niwot Road. • Designate a nature study trail to replace the existing undesignated trails and to protect sensitive shale barrens north of Mesa Reservoir for pedestrians and equestrians. • Provide nature-viewing access at Mesa Reservoir. • Collaborate with partner agencies to create a local trail connection from Boulder to the North TSA through Area III. • Restrict public access to ponds with critical natural resources, but provide a trail corridor to connect from Papini to southern BVR trails. • New Voice and Sight on-corridor opportunity on Lefthand Trail and neighborhood connector to Lefthand Trail. • New Voice and Sight opportunity on Papini connector trail. 	<ul style="list-style-type: none"> • Create loop trail connection including reroutes of existing trails, paragliding access trails, and undesignated trails to provide more trail sustainability. • Close and restore the existing unsustainable glider access trail on Wonderland Hill. Close northern portion of Old Kiln Trail due to substantial damage from the flood and provide alternative interpretive opportunities at Fourmile Creek. • Construct a pier in Wonderland Lake for education and fishing. • Harden two access points on the peninsula for interpretive opportunities. • Provide access to the cattail marsh off the north side of the peninsula for improved visitor experience and interpretive opportunities. • Dog access is defined as leashed on all trails in the Wonderland subarea. • Horses allowed only on Foothills Trail and Wonderland Lake Trail west of the lake.

<u>North Foothills</u>	<u>Northern Properties</u>
<ul style="list-style-type: none"> • Create a trailhead for passenger vehicle parking at the Dagle property and utilize current Joder Interim Trailhead for large vehicle and trailer parking. • Construct a north-south connector trail for bikes, equestrians, and pedestrians that utilizes part of the Railroad Grade to connect through the North Foothills HCA to the Joder Interim Trail. This connector as well as the Joder Interim Trail and Joder loop trails would be closed to bikes Tuesdays and Sundays. • Repair and realign sections of the Joder Interim Trail and create two separated loop trails on Joder Ranch with temporal separation for bikes and spatial separation for dogs. • Reroute parts of Hogback Trail that were heavily damaged by the flood. • Coordinate with Boulder County to possibly provide recreation and interpretive opportunities at Six-Mile Fold. 	<ul style="list-style-type: none"> • Allow public access on Bison, Oasis, Berman, Abbott, Dodd, Schooley, Bruning and Johnson properties but do not construct infrastructure for visitor access. • Allow partial public access on Steele and Bennett properties due to sensitive natural resources and habitats. • Do not allow public access on Brewbaker, Stratton, Campbell, Hester, Deluca, Waldorf, Ryan, Andrea, and Jacob properties in order to protect critical natural resources and provide consistent management with contiguous Boulder County properties.

Action	Interests	Primary Goal	Driving Factors/Benefits	Considerations/Other Options
BOULDER VALLEY RANCH (BVR) SUBAREA				
OSMP is interested in collaborating with community and partner agencies to create local connections as opportunities arise that include North TSA trails. <ul style="list-style-type: none"> Boulder's Area III properties to the North TSA. 		Provide a north-south trail connection from a future city park to North TSA.	<ul style="list-style-type: none"> Increase accessibility for neighbors to access North TSA. Provide more connections outside of North TSA. Consider benefits, constraints, impacts and implications of future development in this area. 	<ul style="list-style-type: none"> Coordinate with Parks and Recreation Department. Protect natural resources, especially sensitive and important ponds and associated habitat and species. Use existing road as much as possible to maintain habitat quality. Avoid trail development in wetland areas near ponds. Target range is adjacent, which is a potential safety concern.
Bring Sage Trailhead up to standards, including improving restrooms.		Provide improved facilities and parking access to benefit visitors.	<ul style="list-style-type: none"> Update all facilities, including restrooms, to bring them up to standards. 	<ul style="list-style-type: none"> Trailhead updates will not require expansion of the current trailhead. Trailer parking is available at Eagle Trailhead and at new trailhead at Degge Access Point.
Designate Lappin property as a passive recreation area.		Provide continuity with nearby property designations.	<ul style="list-style-type: none"> Increase connectivity of passive recreational areas. 	<ul style="list-style-type: none"> Manage community expectations for future recreation development on the property. Shooting range is adjacent property. Lappin property is currently closed to the public. Lappin Pond is fenced and closed in this scenario to protect state-threatened native fish.
WONDERLAND LAKE SUBAREA				
Dog access is on leash for all Wonderland Lake trails including Foothills Trail.		Maintain on-leash dog access.	<ul style="list-style-type: none"> Protect natural resources by requiring on-leash access for dogs. Maintain on-leash control to minimize recreational conflicts and retain consistent regulations throughout the area. 	<ul style="list-style-type: none"> Provide voice and sight control access in other areas of the TSA with less potential for wildlife and natural resource impacts. Deer frequent the area west of Foothills Trail. Addresses possible safety concerns of rattlesnakes if Foothills Trail is realigned. Adjoining trails from Wonderland neighborhoods and Foothills Park require dogs to be on leash. Allowing dogs west of Foothills Trail will impact wildlife habitat effectiveness for North TSA focal wildlife species, including highly suitable habitat of butterflies and rattlesnakes. <u>Other Options</u> Do not allow dogs west of Foothills Trail. Voice and Sight on corridor where most people visit (i.e. around the Lake), and restrict dogs from west of Foothills Trail to provide greater resource protection.
Allow horses on Foothills Trail and Wonderland Lake Trail west of lake. Horses not allowed west of Foothills Trail or around lake.		Provide access on trails that are sustainably designed for horses.	<ul style="list-style-type: none"> Provide access for equestrians on a trail most sustainable for horse access. Steep terrain on Wonderland Hill makes it difficult to design trails sustainable for horse access. 	<ul style="list-style-type: none"> Equestrian access on Foothills Trail provides horse access to trail sections that are part of the community-proposed Trail Around Boulder. Steep terrain and unstable soils will likely require the use of structures, steps and trail grades that push sustainable design standards.
NORTH FOOTHILLS SUBAREA				
Construct a trail from southern portion of Railroad Grade, west of Foothills Business Park, connecting to the Joder Interim Trail.		Increase connectivity within North TSA properties.	<ul style="list-style-type: none"> Utilize existing infrastructure and trails including parts of the Railroad Grade and abandoned vehicle pathways. Minimize resource disturbance as much as feasible where creation of new trail tread is necessary. Utilize steep terrain adjacent to Railroad Grade to encourage visitors to stay on the trail. Create interpretive opportunities around new trail alignment and the natural resources of the North Foothills HCA. Locate the trail east of the Railroad Grade to connect through Schneider Draw to reduce impacts to high quality 	<ul style="list-style-type: none"> Construct trail up to OSMP standards by widening the trail on the Railroad Grade and improving sustainability and drainage. Construct the trail using sections of the railroad grade trail and bring it up to OSMP standards by widening the trail to roughly three feet and cutting better drainages. The trail will also be rerouted off the railroad grade where minimizing natural resource impacts can best be accomplished by a rerouted section. The existing bench cut of the railroad grade would not have to be changed for some portions of the trail; however, extensive new lengths of trail will be necessary to connect to Joder on west side of Foothills Business Park conservation easement. Consider impacts on natural resources including rare and endemic plants and native plant communities, and Boulder County Comprehensive Plan critical wildlife

			<p>riparian areas.</p>	<p>habitat.</p> <ul style="list-style-type: none"> • Conserve wildlife habitat including North TSA focal species highly suitable habitat for lazuli bunting, prairie rattlesnake, lark bunting, and globally imperiled bluestem dependent butterflies. • Significant trade-offs in terms of natural resource impacts and locating a trail in a large contiguous habitat block and increasing trail connectivity. • Determine best strategy for minimizing impacts at riparian crossings. • This trail will cross Schneider Draw at a location that minimizes impacts to wetlands. • Schneider drainage crossing will impact only designated riparian conservation area in the Grassland Ecosystem Management Plan • Trail will have to cross multiple drainages, several of which currently are untrailed (last foothills drainages on OSMP without roads or trails in them). • Encourage visitors to stay on the trail. • Assess impacts of creating a bike-appropriate trail. • Trail will bisect large, currently intact habitat block. • Area identified as very high biodiversity area by Colorado Natural Heritage program. • Area is designated as an HCA with no off-trail dog access. • Mitigate safety issues of designating a trail in a high-density rattlesnake area. • Trail grade may exceed cross slope along some segments in order to minimize resource impacts. This will result in sustainability issues, increased maintenance and will mean the trail will be difficult to maintain long-term. • Trail sustainability strategies: elevate/surface- this will require bridging and numerous trail turns to avoid sensitive resources and regain elevation to the north. • Trail construction will require a high labor investment to be suitable for multi-use activities. • Trail construction would be challenging as any lost elevation would have to be gained in a different location with other tradeoffs for trail sustainability and resource impacts. <p><u>Other Options</u></p> <ul style="list-style-type: none"> • Provide connection on east side of US 36.
<p>Do not allow off-trail permits west of Joder N-S connector trail.</p>		<p>Minimize impacts of new recreation opportunities on natural resources.</p>	<ul style="list-style-type: none"> • Decrease potential of creation of new social trails. • Decrease fragmentation west of trail. • Create boundaries for where visitors may go. • Conserve natural resources on western portion of the HCA from increased impacts due to increased traffic of new trail. • New trail provides access to view and enjoy the HCA and its habitats. 	<ul style="list-style-type: none"> • Would be a protection strategy for North TSA conservation targets and HSH outside of trail corridor. Success would depend on compliance. • The HCA area contains abundant rare plants and plant communities including those in shale communities very sensitive to damage from visitor activities. • The HCA was identified as a very high biodiversity area by Colorado Natural Heritage Program. • Most of the HCA is designated as critical wildlife habitat in Boulder County Comprehensive Plan. • The terrain in this area is very steep.
<p>Create two separated loop trails on Joder Ranch with temporal separation for bikes and spatial separation for dogs.</p>		<p>Increase recreation and visitor experience opportunities.</p>	<ul style="list-style-type: none"> • Create two separated loops for equestrians and pedestrians with temporal separation for bikes and spatial separation for dogs. • Bikes are not allowed on loop trails on Tuesdays or Sundays. • The eastern loop provides a new opportunity for leashed dogs. • The western loop provides an additional no dog opportunity in North TSA. • The separation of the loops and allowed visitor activities 	<ul style="list-style-type: none"> • Avoid drainage west of Cox Property. • Avoid rare plant communities and minimize trail extent in imperiled butterfly habitats and upland shrublands. • Consider impacts of increased visitor activity and how it would impact visitor experience. • Coordinate with CDOT to assess impacts of future parking and trail development. • Identify strategies to ensure interpretive tour participants are safe when sharing space with bikes. • Having higher trail density on the Joder property could be inconsistent with an HCA designation.

			are designed to minimize visitor conflict on the loop trails.	<ul style="list-style-type: none"> • Locating one loop on the west side and a separate loop on the east side of Joder property helps balance overall recreation opportunity with limiting the extent of trail in areas of highest resource sensitivity and avoiding trails crossing through the large drainage west of the Cox property. • Maintaining a high quality of visitor experience for all activities on popular multi-use trails can be challenging. Temporal management of access can provide opportunities for all activities to have enjoyable experiences. • Timing of bike access is intentionally opposite the no-bike days at Betasso to ensure a bike opportunity is available elsewhere on the Joder no-bike days. • Addresses concern that high bike use will make pedestrians less likely to access and enjoy Joder. • Western loop provides additional no dog opportunity in North TSA. • Eastern loop integrates the route of a past bridle path into a new trail loop.
Construct trailhead for passenger vehicle parking on the Dagle property.		Construct a trailhead for Joder Ranch that provides passenger vehicle parking and does not require visitors to cross US 36.	<ul style="list-style-type: none"> • Provide parking for pedestrian and biking visitors. • Construct parking lot along a road that has suitable terrain, drainage, and good soil quality. • Entry road off of US 36 may be more suitable for obtaining CDOT permits. 	<ul style="list-style-type: none"> • Widen road to accommodate two lanes of traffic while protecting natural resources. • Consider natural resources when widening road to minimize impacts. • The southeast portion of the Dagle property could accommodate a vehicle parking lot while avoiding drainages. • A trailhead here would separate equestrians from bikers, hikers and dog walkers. • The access road that continues west or a trail just south of the access road could provide the connection onto the Joder property.
Realign sections of the Joder Interim Trail.		Improve trail conditions to improve sustainability and visitor experience.	<ul style="list-style-type: none"> • Reroute steep, unsustainable portion of trail at west end of carriage road that connects to Buckingham Park. • Allow wider sections of the trail that does not need to be maintained for vehicle access to revegetate to create a narrower trail tread. • Reroute sections of the trail prone to poor sustainability and where drainage issues may continue. • Repair and realign trail sections east of the saddle where resource impacts can be minimized and it is most suitable to reduce the trail grade. 	<ul style="list-style-type: none"> • Provide vehicle access to all necessary structures. • Minimize impacts on sensitive and important habitats, including rare plant communities, highly suitable habitat for North TSA focal species including bluestem dependent butterflies, and lark sparrow. • Avoid realigning trail up the hill whenever possible.
Define dog access as leashed on north-south connector trail to Joder, eastern Joder loop and Interim Trail.		Provide opportunity for visitors with dogs to enjoy West Beech and Joder trails in an area of sensitive natural resources.	<ul style="list-style-type: none"> • Consistent with HCA designation of North Foothills and Joder property. 	<ul style="list-style-type: none"> • New opportunity for dog access in the North TSA.
Do not allow dogs on the western Joder loop.		Do not allow dogs in an area with highly sensitive and critical habitat and wildlife species.	<ul style="list-style-type: none"> • Provides additional no dog opportunity in North TSA. • Reduce visitor conflict on the loop trail. 	<ul style="list-style-type: none"> • Improves wildlife highly suitable habitat effectiveness in western section of Joder Ranch in area of recommended HCA. • Reduces potential for visitor conflict on one loop on Joder.
Allow bike access on north-south connector trail as well as Joder Interim Trail and the Joder loops, except for Tuesdays and Sundays.		Increased connectivity and access for bikes.	<ul style="list-style-type: none"> • Provides an opportunity for bike access on five days of the week while allowing pedestrians and equestrians to have access trails on two days of the week when bikes aren't present. 	<ul style="list-style-type: none"> • Maintaining a high quality of visitor experience for all activities on popular multi-use trails can be challenging. Temporal management of access can provide opportunities for all activities to have enjoyable experiences. • Timing is intentionally opposite the no-bike days at Betasso to ensure a bike opportunity is available elsewhere on the Joder no-bike days. • Addresses concern that high bike use will make pedestrians less likely to access and enjoy Joder.
Allow equestrian access on the north-south connector trail, the Joder Interim Trail and both Joder loops.		Increased connectivity and access for equestrians.	<ul style="list-style-type: none"> • Consistent with the long-time equestrian use of the Joder Ranch property. 	



NORTHERN PROPERTIES SUBAREA

Close Brewbaker to public access.



Do not allow public access to protect agricultural resources.

- Restore agricultural lands
- Conserve agriculture and natural resources.

- Brewbaker is currently designated as a natural area.
- Property has active agricultural operations.

Maintain natural area designation on Steele and Bennett properties and partially open both to public access.



Allow recreation in a way that does not endanger sensitive natural resources.

- Close part of Steele, south of the fence line, to protect shale barrens and areas with high biodiversity.
- Allow Voice & Sight access in areas not closed to natural resource protection.
- Protect native frog habitat on Bennett.
- Protect rare plant communities, shale communities, Bell's twinpod, and burrowing owls on Steele and Bennett.
- Protect wetlands on Steele and Bennett.

- Identify strategies to effectively work with neighbors south of Steele to ensure compliance.
- CPW is interested in fencing pond on Bennett to restore habitat for native fish.
- Both properties are currently closed to the public.
- Both properties have active agricultural operations.

Open Bison, Oasis, Berman, Abbott, Dodd, Bruning, Schooley, and Johnson to public access.



Allow public access.

- Allow access without constructing new infrastructure or trails.

- Protect sensitive natural resources.
- Protect bobolink and associated habitats.
- Bison has been deemed agriculture land of state-wide importance due to productive soil and water quality.
- Oasis is dominated by non-native species, making restoration, agricultural and resource management challenging.
- Prairie dog colonies provide valuable raptor hunting habitat.