

SCENARIO 3

- Moderate redevelopment in Boulder Valley Ranch subarea around Mesa Reservoir, focused on better utilizing terrain to provide a better 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.
- Moderate recreational development in North Foothills with three loop trails on Joder and maintaining a large habitat block in the North Foothills Habitat Conservation Area (HCA). The Joder trail connection is located east of US 36.
- Moderate public access in Northern Properties with restrictions in areas with sensitive and critical natural resources
- Bring all trails and trailheads up to OSMP standards.
- Restore and revegetate all undesignated trails not integrated into designated trail connections.

<p style="text-align: center;"><u>Boulder Valley Ranch</u></p> <ul style="list-style-type: none"> • Relocate Sage Trailhead to Foothills Trailhead, which will in turn be expanded to accommodate more parking. • Repair and reroute trails including Hidden Valley in order to better utilize terrain, resulting in improved visitor experience and increased sustainability. • Assess the possibility of connecting Eagle Trail into possible Boulder Reservoir Trail and completing a connection between Boulder Reservoir Trail and Niwot Road. • Take on management of the Beech Pavilion and use it to provide access to Schooley property through Neva Road. • Restrict public access to ponds with critical natural resources, but provide a trail corridor to connect from Papini to southern Boulder Valley Ranch trails. 	<p style="text-align: center;"><u>Wonderland Lake</u></p> <ul style="list-style-type: none"> • Create loop trail system on Wonderland hogback to replace undesignated trails and provide more sustainable trail connectivity. • Construct a trail from northwest border of subarea into the new loop trails. • Realign hang gliding access trail into new loop trail. • 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. • Voice and Sight control on-corridor opportunity on Old Kiln Trail.
<p style="text-align: center;"><u>North Foothills</u></p> <ul style="list-style-type: none"> • Create a trailhead and provide passenger-vehicle parking at Schooley Property and utilize current Interim Trailhead for large-vehicle parking. • Repair and realign Joder Interim Trail, while also constructing three stacked loops with temporal separation for visitors. • Develop a north-south trail connection east of US 36, via Lefthand Trail. • Minimally reroute parts of Hogback Trail that were heavily damaged by the flood. • Take on management and provide access to Beech Pavilion. • Coordinate with Boulder County to possibly provide recreation and interpretive opportunities at Six-Mile Fold. • Actively close and restore undesignated trail on the Railroad Grade. 	<p style="text-align: center;"><u>Northern Properties</u></p> <ul style="list-style-type: none"> • Allow partial or full public access on Stratton, Deluca, Hester, Campbell, Berman, Steele, Bennett, Schooley, and Abbott properties but do not construct infrastructure for visitor access. • Do not allow public access on Brewbaker, Ryan, Andrea, Waldorf, Jacob, Bison, Oasis, Dodd, Bruning, and Johnson. • Allow equestrian access on properties open to the public. • Voice and Sight control on-corridor opportunity on new loop trail.

Action	Interests	Primary Goal	Driving Factors/Benefits	Considerations/Other Options
BOULDER VALLEY RANCH (BVR) SUBAREA				
Relocate and combine the Sage (Boulder Valley Ranch) Trailhead with the Foothills Trailhead and expand capacity.		Relocate vehicle traffic off a road that is challenging to maintain and provide equestrian trailer parking.	<ul style="list-style-type: none"> Separate visitor vehicles from agriculture operations. 	<ul style="list-style-type: none"> Coordinate with Colorado Department of Transportation to evaluate safety issues of cars entering and exiting US 36. Align trail in a way that minimizes impacts and damage to natural resources. Assess possible impacts of having many visitors concentrated in one area. Minimize impacts to contiguous habitat blocks, especially if trailhead is constructed north of Foothills Trailhead. Minimize impacts to sensitive resources. May impact wildlife habitat effectiveness. Assess topography feasibility and challenges. Avoid prairie dog colonies. Create a way for bikes to avoid trailheads in order to decrease visitor conflict. Separate visitor activities at the trailhead by space or time.
Collaborate with Parks and Recreation to assess opportunities to connect the proposed Boulder Reservoir Trail to the Eagle Trail.		Increase connectivity opportunities outside of OSMP properties.	<ul style="list-style-type: none"> Keep trail close to 51st Street in existing transportation corridors. 	<ul style="list-style-type: none"> Coordinate with Parks and Recreation to ensure avoidance of sensitive natural resources including wetlands and breeding Northern Harriers. Coordinate with outside agencies. Avoid designated trails through raptor habitats, where possible.
Provide a trail connection from the Boulder Reservoir Trail to Niwot Road. Determine the feasibility of two alternatives, one option along 55 Street and the other parallel to the Boulder Feeder Canal.		Increase connections between North TSA and other regional destinations.	<ul style="list-style-type: none"> Provide visitors with trails that provide increased transportation connectivity. Allow visitors a safe alternative to current regional connections along busy roads. 	<ul style="list-style-type: none"> Consider implications of trail connections through active agricultural land. Design trail around natural and agricultural resources. Provide effective safety measures at ditch crossings and from agricultural operations. Consider implications of Johnson property around 55th Street being changed to a small, organic farm operation. Create trail parallel to the feeder canal or align trail parallel to 55th Street. <u>Other Options</u> Create trail anywhere between 55th Street and feeder canal.
Re-route Hidden Valley Trail and connect into Eagle Trail.		Provide a better visitor experience with new and rerouted trail.	<ul style="list-style-type: none"> Re-route Hidden Valley Trail to create a more sustainable, higher quality trail. Relocate trail section that runs through prairie dog colonies to better protect rattlesnake highly suitable habitat. Utilize terrain in best way possible to create a better visitor experience. 	<ul style="list-style-type: none"> Identify strategies to discourage use of existing social trails or creation of new ones near the Sage Trailhead. Protect shale barrens from impacts of visitor activities. Conserve sensitive resources including north facing shrublands and rare plants and plant communities.
Designate Lappin property as a natural area.		Conserve natural resources while allowing access for low-impact recreation.	<ul style="list-style-type: none"> Protect important plant and aquatic species. Increased protection of shale barrens habitat and pond. 	<ul style="list-style-type: none"> Consider increasing awareness of the resources in this area. Shooting range is adjacent property. Lappin property is currently closed to the public.
Create a loop trail within Papini Property.		Offer a loop trail experience.	<ul style="list-style-type: none"> Offer an alternative to existing social trails. 	<ul style="list-style-type: none"> Identify actions that will discourage visitors from creating and utilizing undesignated trails that go north. To protect ponds and associated species and habitats, access to ponds would not be provided. Plan for increased demand of parking at loop access points. Do not allow equestrian access. <u>Other Options</u>

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				<ul style="list-style-type: none"> Trails that are part of a larger east-west connection would create more parking issues than a smaller, contained loop.
Improve Eagle Trailhead and bring up to standards.	    	Provide better facilities and parking access to benefit visitors.	<ul style="list-style-type: none"> Provide additional horse-trailer parking. Reconfigure trailhead setup so it is safer for visitors. Update all facilities to bring them up to standards. Construct restrooms. 	<ul style="list-style-type: none"> Design new amenities and layout to avoid prairie dog colonies. Coordinate with Boulder Parks and Recreation Department. Create equestrian parking in areas separate from other visitors so they are not used by passenger cars. Improving the trailhead in its current location, rather than relocating, conserves wildlife habitat effectiveness (bobolink and other grassland bird habitat) and minimizes reduction of focal wildlife species highly suitable habitat Improving in place maintains large habitat blocks. <p><u>Other Options</u></p> <ul style="list-style-type: none"> Improve parking at Boulder Valley Ranch for bicyclists and focus on improved equestrian parking at Eagle Trailhead. Coordinate with Boulder Parks and Recreation department to integrate trailhead improvements and capacity serving the Boulder Reservoir and Eagle Trail area.
Take over management of the Beech Pavilion.	   	Provide visitors access to existing facilities.	<ul style="list-style-type: none"> Improve connectivity between OSMP properties and those of other agencies. 	<ul style="list-style-type: none"> Construct trail with consideration for natural resources. Formalize a trail connection with Beech Pavilion and the restrooms.
Allow off-trail equestrian access on East Beech.	  	Provide equestrians with an opportunity for off-trail experiences.	<ul style="list-style-type: none"> Provide quality recreation opportunities for equestrians. 	<ul style="list-style-type: none"> Protect sensitive natural resources (especially if off-trail use increases and undesignated trails form). Negatively impacts habitat effectiveness for North TSA focal wildlife species like lark sparrow and rattlesnakes. Abundance of rattlesnakes is a safety concern for off-trail travel. Increases impacts to fragile shale barrens habitats and associated rare plants. Increases likelihood of undesignated trail creation and decreases likelihood of success in undesignated trail restoration.
Provide nature-viewing access at Mesa Reservoir.	    	Provide visitors with a designated area to enjoy in quiet recreational opportunities and wildlife viewing.	<ul style="list-style-type: none"> Provide access to view wetland resources. Create recreation opportunities specifically for visitors looking for a quiet experience. 	<ul style="list-style-type: none"> Continue closure of the rest of the reservoir to public access. Protect natural resources. Do not allow dog access.. OSMP manages Mesa Reservoir through a conservation easement - the State would have to be involved in planning. The reservoir does not retain water consistently throughout the year. The reservoir provides good habitat for water fowl. There is currently no public access. <p><u>Other Options</u></p> <ul style="list-style-type: none"> Formalize undesignated trail 258 to provide this access. Move existing trail closer to shoreline to provide closer access. Connect trail to the east side to provide access to interesting terrain and provide a better visitor experience.
Collaborate with partner agencies to provide a connection from Beech Pavilion via Neva Road to the Schooley property.	 	Work with partner agencies to provide a connection from Lefthand Trail, Neva Road and the Schooley property for a north- south connector trail to the Joder Property.	<ul style="list-style-type: none"> Provide a north-south connector trail east of US 36 as part of a Boulder to Joder trail connection. Conserve large habitat blocks and limit trails in the North Foothills HCA. 	<ul style="list-style-type: none"> Assists in protecting North TSA focal species highly suitable habitat and Boulder County Comprehensive Plan (BCCP) designated critical wildlife habitat in West Beech and reducing trail density in HCAs.

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Allow bikes on Lefthand Trail.	  	Provide a north-south trail connection.	<ul style="list-style-type: none"> Allow bikers to travel between northern and southern parts of the North TSA. 	
Maintain dog access as leashed on Lefthand Trail.	 	Provide dog access while also conserving sensitive natural resources.		
Designate dog access as Voice and Sight on-corridor on Niwot Road connector trail.	  	Continue extension of Voice and Sight Control from Boulder Reservoir Trail	<ul style="list-style-type: none"> New Voice and Sight control opportunity. Consistency of regulations with adjacent trails. 	
Designate dog access as Voice and Sight on-corridor on connecting trail through the Papini Property.	  	Provide voice and sight dog access on connector trail to improve connectivity for nearby residents and other visitors and enhance voice and sight opportunities.	<ul style="list-style-type: none"> Provide new voice and sight opportunity and connectivity. Dogs allowed on loop trail but access to wetlands and ponds will not be allowed. 	<ul style="list-style-type: none"> Increase in access for dogs may impact wildlife communities and wetland/aquatic resources. Fence should be built protecting pond from recreational disturbance.
WONDERLAND LAKE SUBAREA				
Create an out-and-back trail on the eastern section of Old Kiln that ends before section where the trail is extensively damaged from the flood.	    	Retain a section of Old Kiln Trail for visitors who enjoy this particular trail.	<ul style="list-style-type: none"> Educate visitors about unique and sensitive resources, including the creek bed, in this area. Utilize adaptive management to share information regarding the changes after the flood. Utilize interpretive signage that discusses the impacts of the flood and the reason the trail was closed. 	<ul style="list-style-type: none"> Consider strategies, educational signs and barriers to discourage access to Old Kiln past the end of the trail. Discourage visitors from continuing to use the undesignated trail past the provided partial and temporary access. Address possible community concerns about not replacing the full extent of a popular trail. Utilize interpretive signage to enhance visitor experience. Will bring visitors near sensitive riparian area without a regulatory-based avenue to restrict their access and protect this habitat. <p><u>Other Options</u></p> <ul style="list-style-type: none"> Create a small loop trail that connects back to main trail. <ul style="list-style-type: none"> Difficult terrain affects the feasibility of trail construction, even though the undertaking would be smaller than realigning all of Old Kiln Trail. Create a trail that goes to the creek bed for interpretive purposes. <ul style="list-style-type: none"> The interpretive benefits of this action would diminish over time as vegetation returns.
Create trail connection from west end of Old Kiln Trail to the Wonderland Hill Loop Trail.	  	<ul style="list-style-type: none"> Increase recreation opportunities for visitors. 	<ul style="list-style-type: none"> Provide longer recreational experiences. Increase connectivity between trails. 	<ul style="list-style-type: none"> Prepare for complicated trail-building process due to upland shrub ecosystem and landslide-prone terrain. Protect natural resources from impacts due to dog access. Discourage creation of additional social trails. Prepare for resistance from neighbors, as the new trail alignment would directly impact their properties. Protect thriving plant communities. Visitors want more loops. <p><u>Other Options</u></p> <ul style="list-style-type: none"> Focus on creating more loops in other areas.
Designate dog access as Voice and Sight on-corridor on Old Kiln Trail.	 	New voice and sight opportunity in TSA.	<ul style="list-style-type: none"> New voice and sight opportunity in TSA. 	<ul style="list-style-type: none"> Address safety issues of having dogs off-leash in an area with high rattlesnake density.

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NORTH FOOTHILLS SUBAREA				
Create a multi-use, north-south trail that connects Foothills Trail to Joder Ranch east of US 36 through Boulder Valley Ranch using Lefthand Trail and crossing US 36 at the Schooley Property.		Offer more connectivity within the North TSA system.	<ul style="list-style-type: none"> Utilize Lefthand Trail for its initial purpose. Avoid impacting natural resources west of Foothills Business Park. Increase access and connectivity for all types of visitor activities. Utilize existing trail connections. Lessen impacts of a north-south connector on natural resources. Adds trail connectivity between the City of Boulder and Boulder County's Heil Ranch – a City Council and North TSA regional connection goal. Best conserves highly suitable habitat for North TSA focal wildlife species. Maintain large habitat blocks in HCAs. Consistent with Visitor Master Plan (VMP) in minimizing new trail development in HCAs. 	
Minimally reroute parts of Hogback Trail.		Improve Hogback Trail to address safety and critical sustainability issues.	<ul style="list-style-type: none"> Reroute parts of Hogback Trail that were heavily damaged by the flood. Increase trail sustainability. 	<ul style="list-style-type: none"> Mitigate impacts on natural resources. Avoid re-routing trail through rattlesnake highly suitable habitat for visitor safety
Create loop trails on the Joder Property.		Increase recreation and visitor experience opportunities.	<ul style="list-style-type: none"> Create three loop options for equestrians, pedestrians, and bikes with alternating-day access. Manage for bike access, but do not construct trails exclusively for bikes. 	<ul style="list-style-type: none"> Minimize trail extent in drainage west of Cox Property. Avoid rare plant communities and minimize trail extent in imperiled butterfly habitats Minimize or avoid crossing or following main southern drainage on Joder Address safety concerns of increased bike use of Olde Stage Road and associated intersections. 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 high trail density on the Joder Property could be inconsistent with an HCA designation. Equestrian community is looking for increased access at Joder. Add four horse trailer parking spots at small trailhead and limit pedestrian and bike parking.
Actively close and restore the Railroad Grade undesignated trail.		Restore large intact habitat block in HCA.	<ul style="list-style-type: none"> Protect critical and sensitive natural resources including rare plant communities, habitat for rare and imperiled butterflies, high quality rattlesnake habitat and shrub nesting bird habitat. Conserves highly suitable habitat for North TSA focal wildlife species including lark sparrow, lazuli bunting, bluestem dependent butterflies, prairie rattlesnake Protects Boulder County Comprehensive Plan designated critical wildlife habitat Maintain large habitat blocks in HCAs Consistent with VMP in minimizing new trail development in HCAs. 	<ul style="list-style-type: none"> Minimize changes to historic railroad grade to protect cultural resource. Long-term pattern of visitor access on the undesignated trail will require active restoration and signage. Habitat Conservation Area on-trail requirements can increase compliance. It is not necessary to restore the entire Railroad Grade, just the first portion that is visible.
Identify a safe crossing near Neva Road for visitors to cross US 36.		Allow visitors to safely cross US 36.	<ul style="list-style-type: none"> Increase visitor safety while also improving connectivity between subareas. Best conserves highly suitable habitat for North TSA focal wildlife species. Maintain large habitat blocks in HCAs. Consistent with Visitor Master Plan (VMP) in minimizing new trail development in HCAs. 	<ul style="list-style-type: none"> Collaborate with appropriate entities, such as Boulder County and CDOT. Utilize the existing underpass that is north of Schooley property or a new culvert. <u>Other Option</u> Put a traffic light at the Neva Road crossing.

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			<ul style="list-style-type: none"> Helps provide regional trail connection from City to Heil Ranch—a City Council and North TSA goal. 	
Create a trailhead on Schooley property.		Construct a trailhead near the Joder Property that allows for passenger vehicle parking and access across US 36.	<ul style="list-style-type: none"> Remove existing infrastructure and construct parking. Provide access across US 36, utilizing new or existing culvert north of School property. Helps provide regional trail connection from Boulder to Heil Ranch—a City Council and North TSA goal. Best conserves highly suitable habitat for North TSA focal wildlife species Maintain large habitat blocks in HCAs 	<ul style="list-style-type: none"> Address safety issues of the road junction. Cooperate with CDOT and Boulder County Transportation to construct appropriate traffic measures on US 36. Coordinate with culvert owners to guarantee public access. Coordinate with owners of private land to the north of Schooley needed to access the culvert. There is lots of water on this property. Boulder County is interested in updating and changing the dirt part of Neva Road that leads up to Schooley property and may possibly want to turn it into a T-shaped intersection.
Provide multi-use access of Joder Interim Trail and Joder loops.		Increase connectivity and access for bikes.		
Do not allow bikes on even days on Joder loop trails.		Provide temporal activity management for visitor experience.	<ul style="list-style-type: none"> Provide access to loops as far east as possible to mitigate visitor conflict. 	
Do not allow bikes on Hogback Trail.		Maintain no-bike opportunity.		
Designate dog access as on-leash on Joder Interim Trail.		Provide opportunity for visitors with dogs to enjoy Joder trails in an area of sensitive natural resources.	<ul style="list-style-type: none"> Consistent with HCA designation of Joder property. 	
Do not allow dogs on loop trails in Joder.		Provide no dog visitor experiences on loop trails.		
Continue to not allow dogs on Hogback Trail.		Maintain Hogback Trail as a no dog trail opportunity.	<ul style="list-style-type: none"> Maintains habitat effectiveness for North TSA focal wildlife species. Minimizes safety risks associated with high density rattlesnake area. Maintains no dog opportunity in North TSA. 	
NORTHERN PROPERTIES SUBAREA				
On Stratton property focus on pond restoration.		Create healthy habitats for native amphibians, native fish, and potentially Preble's jumping mouse through pond restoration efforts.	<ul style="list-style-type: none"> Close the center portion of the property for restoration purposes. Do not allow any dog access on the property. Create healthy habitats for native amphibians, native fish, and potentially Preble's jumping mouse. Open, but do not encourage, public access. Manage to eliminate non-native fish in ponds, as they are all connected. 	<ul style="list-style-type: none"> Protect important natural resources throughout the property. Stratton is an active agriculture site. Stratton is the least irrigated of the northern properties. There is only one pull off along the road on the north side of the property. This property most likely will not be evaluated for vegetable farming due to lack of existing infrastructure. This property may be reevaluated when the agriculture plan is complete. Colorado Parks and Wildlife is interested in restoring this habitat for native fish. OSMP provides formal access in areas that are managed specifically for recreational activities, otherwise infrastructure is not provided.

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				<ul style="list-style-type: none"> Demographics of visitors to this property and other northern properties are unknown. <p><u>Other Options</u></p> <ul style="list-style-type: none"> Allow dog access initially and limit it later when restoration is more important.
Do not provide public access to Brewbaker to support restoration efforts and agricultural operations.	 	Close property to public access to protect agricultural operations.	<ul style="list-style-type: none"> Restrict public access to support natural resource restoration and agricultural operations. 	<ul style="list-style-type: none"> Boulder County invested a significant amount of funding into restoring the creek corridor pre-flood.
Allow public access on Deluca, Hester, and Campbell properties, with seasonal closures for bobolink.	 	Protect important species and habitats.	<ul style="list-style-type: none"> Allow public access and manage strategies to conserve important habitat for sensitive species. 	<ul style="list-style-type: none"> Protect bobolink nesting habitat from recreational impacts. Irrigated hayfields do not present good opportunity for infrastructure development.
Allow public access on Steele and Bennett properties and restrict access to sensitive natural resource areas.	 	Allow recreation in a way that does not reduce ability to conserve sensitive natural resources.	<ul style="list-style-type: none"> Close part of Steele, south of the fence line, to protect shale barrens and areas with high biodiversity. Allow Voice & Sight control in areas not closed for natural resource protection. Protect native frog species on Bennett. Protect rare plant communities, shale communities, Bell's twinpod, and burrowing owls on Steele and Bennett. Protect wetlands on Steele and Bennett. 	<ul style="list-style-type: none"> Identify strategies to effectively work with neighbors south of Steele to ensure compliance. Colorado Parks and Wildlife is interested in fencing Bennett pond to restore habitat for native fish. Both properties are currently closed to the public. Both properties have active agricultural operations.
Do not allow public access on Bison and Oasis properties.		Protect natural and agricultural resources.	<ul style="list-style-type: none"> Conserve agricultural and natural resources. 	<ul style="list-style-type: none"> Protect bobolinks and their habitat. These properties are surrounded by private agricultural lands. Bison has been deemed agriculture land of state-wide importance due to productive soil and water quality. Both properties are currently closed for resource protection. Oasis is dominated by non-native species, making restoration, agricultural and resource management challenging.
Allow public access on Berman Brothers and Abbot.	 	Allow public access	<ul style="list-style-type: none"> Allow public access and Voice & Sight control. 	<ul style="list-style-type: none"> Abbot Property is currently closed to the public and has agricultural operations.
Do not allow public access on Dodd property.		Restrict public access to further ecological restoration efforts.	<ul style="list-style-type: none"> Restore agricultural lands. Protect habitat for important species. 	<ul style="list-style-type: none"> Protect the cliffs that raptors use as hunting perches. Visitor safety concerns, as this area has a high rattlesnake density. It is in close proximity to Boulder County land. Haystack Mountain is important agriculturally and culturally. Haystack Mountain is designated as a Boulder County landmark. Dodd is recovering agricultural land.
Do not allow public access on Bruning property.		Protect natural and agricultural resources.		<ul style="list-style-type: none"> This property is currently a natural area. Parts of this property are irrigated and it has a current lessee. The acquisition of future adjacent properties could affect management of Bruning and Dodd properties.
Do not allow public access on Johnson property.		Limit public access to encourage ecological restoration.	<ul style="list-style-type: none"> Manage property for invasive plants. Restore native grassland vegetation. 	<ul style="list-style-type: none"> Identify strategies to deal with Mediterranean sage. Eagles hunt prairie dogs on this property.