

View south from the North Foothills Subarea. © Gary Stevens.

North TSA Plan Recommendations

North TSA-Wide



MAP 1: North TSA-Wide - Management Area Designations

ACTIONS T1 to T9

Provide management area designations for properties without designations to guide management actions.

*Interests Met: 4**

- » Retain the Joder and Cox property designation (T1) as a Habitat Conservation Area (HCA) and implement as part of the North Foothills HCA.
- » Designate Dagle II (T2), Stratton (T5), Lappin (T6), IBM open space easement (T7), Hart-Jones Exchange (T8) and Palo Park (T9) properties as Natural Areas.
- » Limit public access to on trail travel on IBM open space easement property.
- » Designate Dakota Ridge Village (T3) property as a Passive Recreation Area.
- » Designate Berman Brothers (T4) property as an Agricultural Area.

Primary Goal

- » Implement VMP direction to provide management area designations for properties without designations to guide management actions.

Driving Factors/Benefits

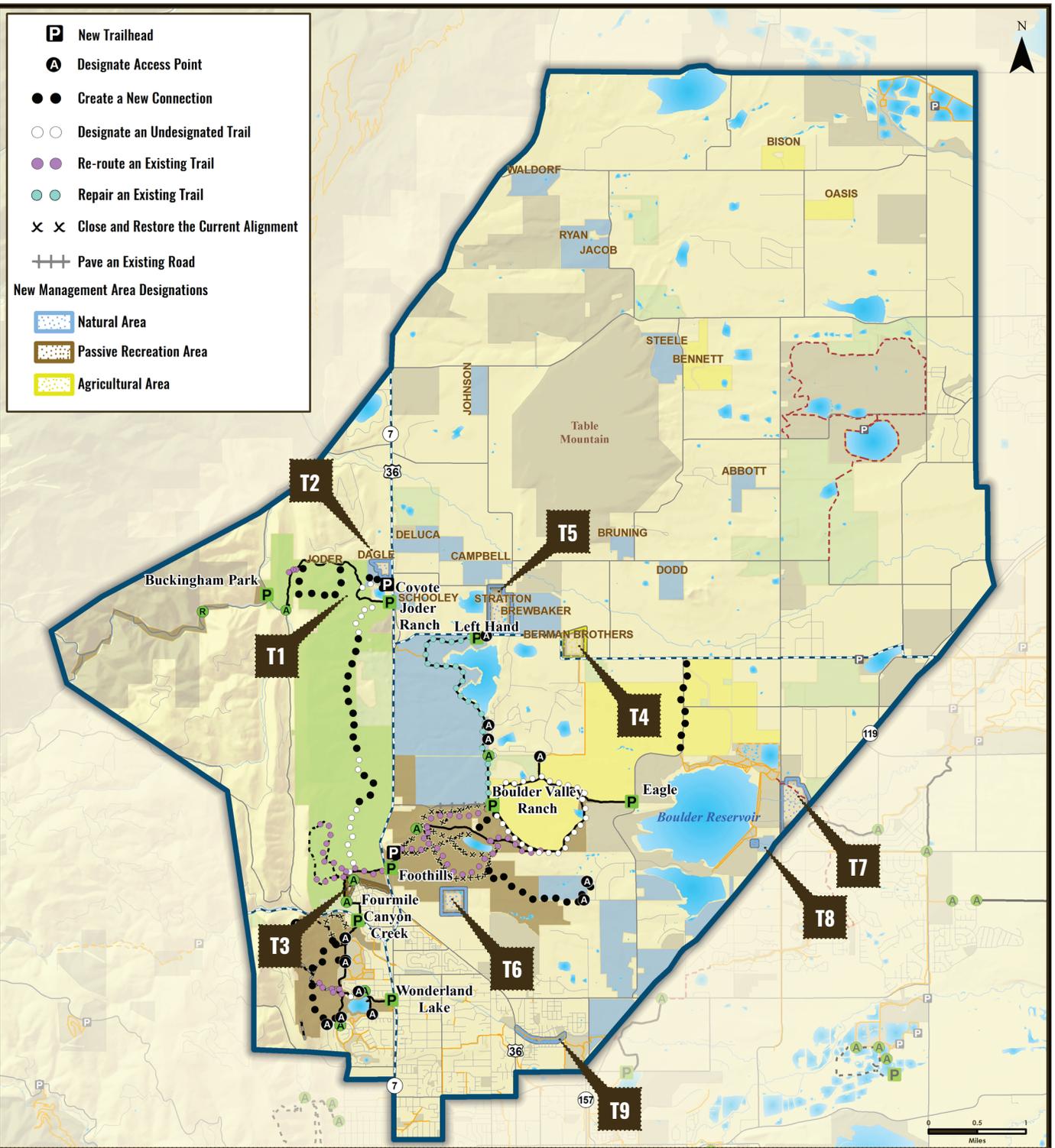
- » Joder: includes sensitive habitat and resources that are a consistent extension of habitats and species in North Foothills HCA.
- » Dagle II: natural area designation is consistent with adjacent Wright and Dagle I management designations.
- » Dakota Ridge: adjacent to North Foothills Trail and adjoining passive recreation management area.
- » Berman Brothers: this property has been designated as an agricultural land of statewide importance-suitable for hay production or grazing.
- » Stratton: protect important resources and create healthy habitats for native amphibians, native fish, and, potentially, Preble’s meadow jumping mouse.
- » Lappin: protect important plant and aquatic species as well as shale barrens habitat.
- » IBM: support creation of the IBM connector trail.
- » Hart-Jones Exchange: protect riparian areas and rare plant community habitat.
- » Palo Park: protect riparian area of Fourmile Canyon Creek.

Cost Estimate: Core Service**

****Cost Equivalents**

- \$ = Less than \$10,000
- \$\$ = \$10,000 to \$49,999
- \$\$\$ = \$50,000 to \$250,000
- \$\$\$\$ = More than \$250,000

*See Appendix D for a full list of which interest(s) each action meets.



MAP 1: North TSA-Wide - Management Area Designations

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|--|----------------------------------|--|----------------------------------|--|---|
| | North Trail Study Planning Area | | OSMP Hiking/Equestrian Trail | | Agricultural Area |
| | North Trail Study Subareas | | OSMP Multi-Use Trail | | Habitat Conservation Area |
| | OSMP Trailhead | | OSMP Gliding Access | | Natural Area |
| | OSMP Access Point | | Non-OSMP Managed Hiking Trail | | Passive Recreation Area |
| | OSMP Recreational Feature Access | | Non-OSMP Managed Multi-Use Trail | | OSMP Easement or Jointly Owned, County-Managed Land |
| | Boulder County Trailhead | | Non-OSMP Planned Trail | | Other Government Land |

Trail changes are depicted conceptually. Actual trail alignments will differ.

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MAP 2: North TSA-Wide - Recommendations

ACTIONS T10 to T15
Collaborate with partner agencies to create regional connections.

*Interests Met: 3**

As opportunities arise, collaborate with partner agencies to create the following regional trail connections that minimize natural resource impacts.

- » **(T10)** North TSA to Boulder County Parks and Open Space’s Heil Valley Ranch. The North TSA Plan does not preclude future public planning processes to assess a regional connector trail connection to Heil Ranch on the Buckingham property.
- » **(T11)** North TSA to Boulder County Parks and Open Space’s Lagerman/Imel/AHI/Open Space Complex.
- » **(T12)** A Boulder-to-Lyons trail connection including the efforts of the Rocky Mountain Greenway Project.
- » **(T13)** IBM Connector Trail (construction pending).
- » **(T14)** Fourmile Canyon Creek Trail underpass to Cottonwood Trail (construction pending).
- » **(T15)** Eagle Trail to the planned Boulder Reservoir Trail.

Primary Goal

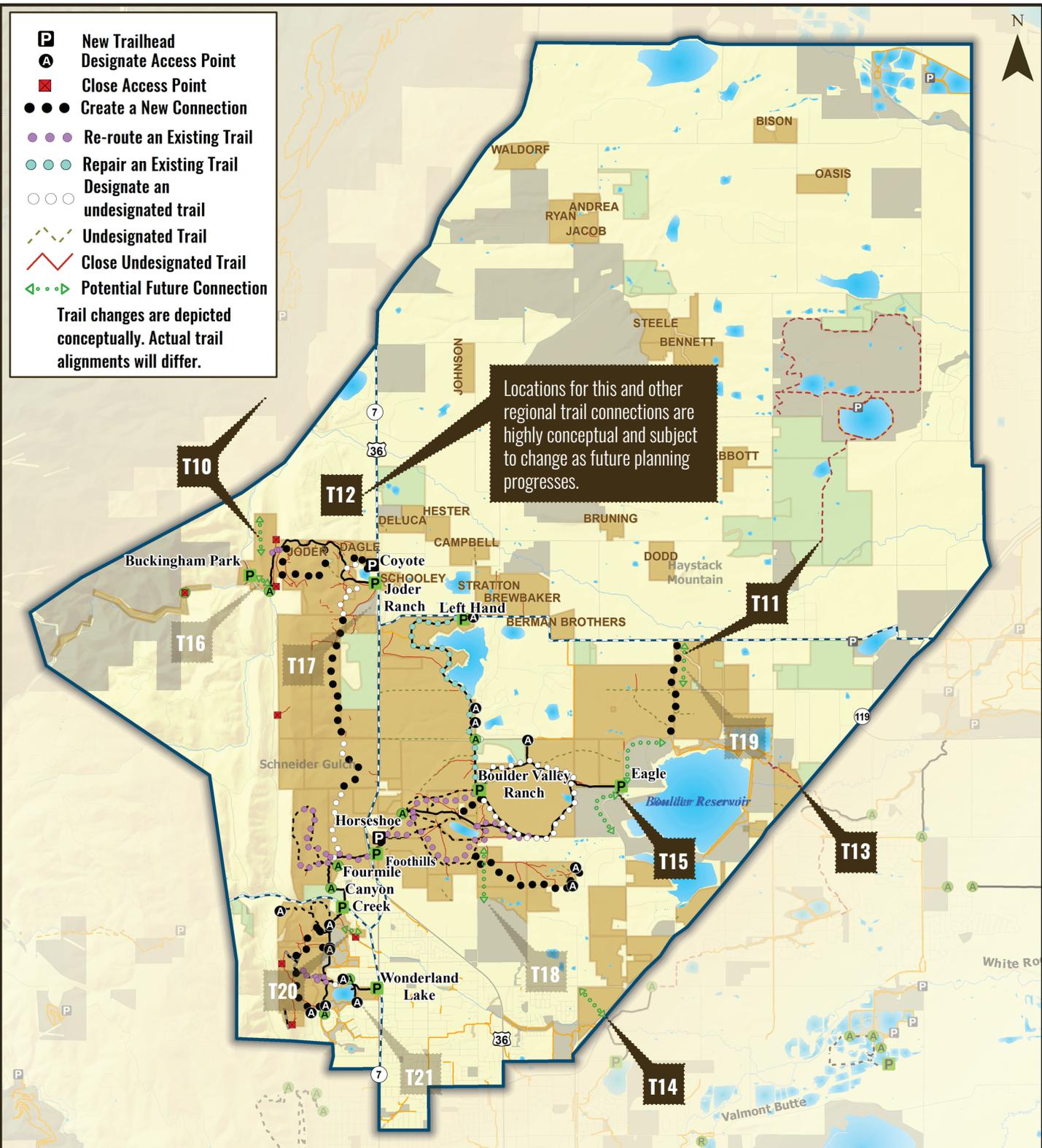
- » Enhance regional trail connectivity.

Driving Factors/Benefits

- » Provide greater opportunities for visitors and interconnectivity among adjacent trail systems.
- » Coordination and collaboration among OSMP and partner agencies to accomplish regional connections.
- » Specific to the Eagle Trail to Boulder Reservoir Trail connection: keep trail close to 51st and 55th streets in existing transportation corridors as much as is feasible.

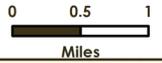
Cost Estimate: Core Service

*See Appendix D for a full list of which interest(s) each action meets.



MAP 2: North TSA-Wide - Recommendations

- | | | | | | |
|--|----------------------------------|--|----------------------------------|--|---|
| | North Trail Study Planning Area | | OSMP Hiking/Equestrian Trail | | North Trail Study Area Lands |
| | North Trail Study Subareas | | OSMP Multi-Use Trail | | OSMP Fee & Managed Property in the North TSA |
| | OSMP Trailhead | | OSMP Gliding Access | | Lands Not Included in the North Study Area |
| | OSMP Access Point | | Non-OSMP Managed Hiking Trail | | OSMP Easement or Jointly Owned, County-Managed Land |
| | OSMP Recreational Feature Access | | Non-OSMP Managed Multi-Use Trail | | Other Government Land |
| | Boulder County Trailhead | | Non-OSMP Planned Trail | | |



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MAP 2: North TSA-Wide - Recommendations, continued

ACTIONS T16 to T20

Collaborate with partner agencies to create local trail connections.

*Interests Met: 3**

- » As opportunities arise, collaborate with partner agencies to create the following local trail connections that minimize impacts to natural resources.
- » **(T16)** Joder Trail to Buckingham Park via Olde Stage Road (in progress).
- » **(T17)** Joder Ranch and Boulder County's Six-Mile Fold. Boulder County will conduct its own public planning process to determine access and management of visitors on Six-Mile Fold. OSMP will coordinate with the county's planning efforts to determine if and where trails could be located in this area.
- » **(T18)** City of Boulder's Area III park site to the North TSA.
- » **(T19)** Boulder Reservoir to Niwot Road.
- » **(T20)** Fourmile Canyon Creek Greenway path to Foothills Community Park.

Primary Goal

- » Enhance local trail connectivity.

Cost Estimate: Core Service

Driving Factors/Benefits

- » Provide greater opportunities for visitors and interconnectivity among adjacent trail systems.
- » Increase coordination and consistency among OSMP and partner agencies.
- » Specific to Joder Ranch and Boulder County's Six-Mile Fold connection: Provide additional interpretive opportunities.
- » Specific to Area III park site connection: (1) Work with partner agencies on a north-south trail connection from northern Boulder neighborhoods to North TSA; and (2) Increase accessibility for neighbors to the North TSA.
- » Specific to Fourmile Canyon Creek Greenway path to Foothills Community Park connection: Connection accepted by City Council in the Greenways Master Plan.

ACTIONS T21 Designate undesignated access points that connect with new or existing designated trails.

*Interests Met: 4**

Primary Goal

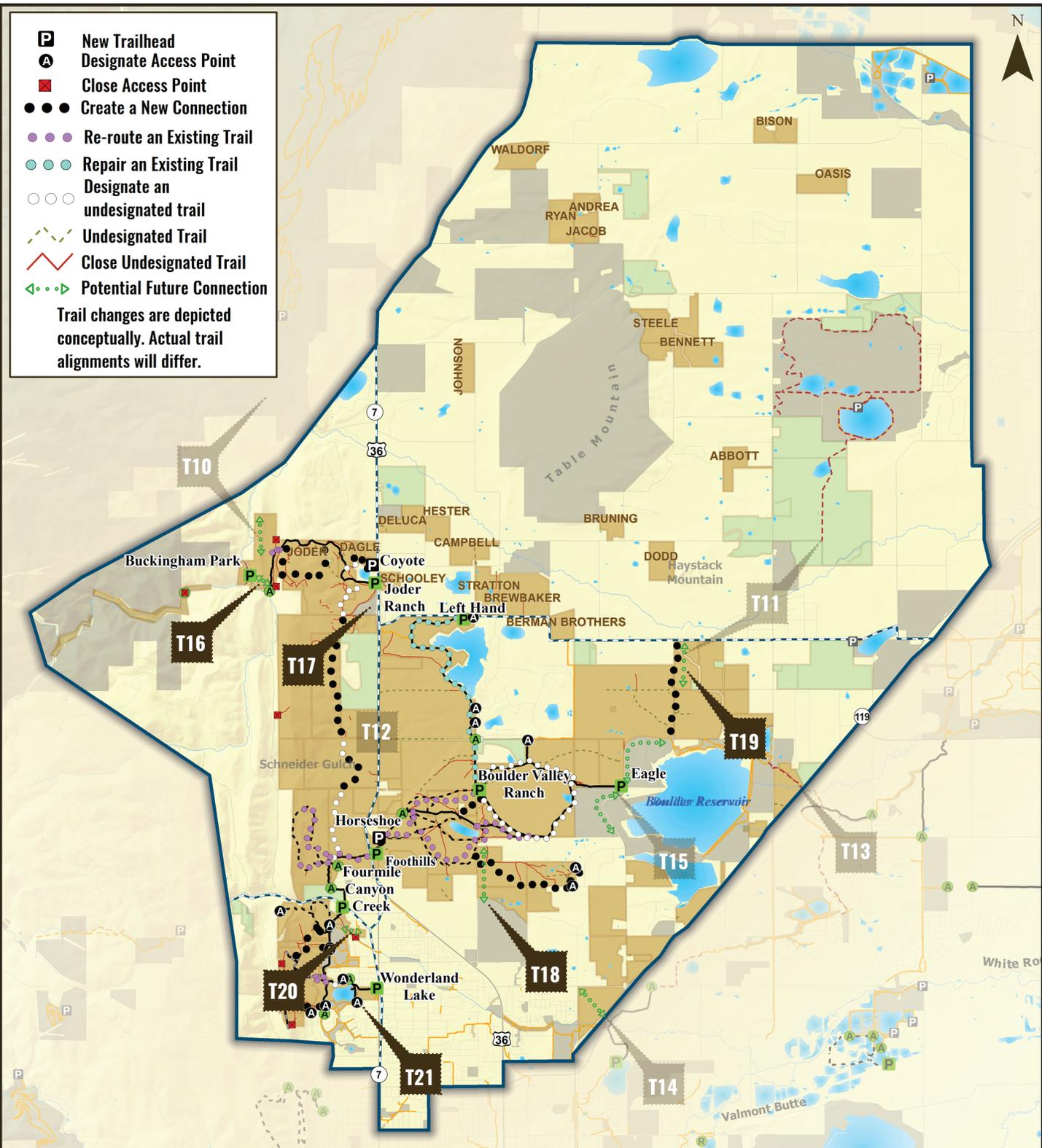
- » Provide managed public access to designated trails to encourage visitors to use designated trails.

Cost Estimate: \$\$

Driving Factors/Benefits

- » Establish clearly identified designated trail access points.
- » Identify infrastructure and maintenance standards for access points.
- » Improve connectivity between North TSA and publicly accessible areas.
- » Minimize impacts to natural resources as connections are improved.

*See Appendix D for a full list of which interest(s) each action meets.

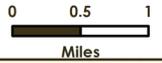


MAP 2: North TSA-Wide - Recommendations, continued

- North Trail Study Planning Area
- North Trail Study Subareas
- OSMP Trailhead
- OSMP Access Point
- OSMP Recreational Feature Access
- Boulder County Trailhead

- OSMP Hiking/Equestrian Trail
- OSMP Multi-Use Trail
- OSMP Gliding Access
- Non-OSMP Managed Hiking Trail
- Non-OSMP Managed Multi-Use Trail
- Non-OSMP Planned Trail

- North Trail Study Area Lands**
- OSMP Fee & Managed Property in the North TSA
- Lands Not Included in the North Study Area**
- OSMP Easement or Jointly Owned, County-Managed Land
- Other Government Land



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ACTION T22 Bring all trails up to standards.

*Interests Met: 4**

ACTION T23 Bring all trailheads and access points up to standards.

*Interests Met: 4**

ACTION T24 Remove unnecessary fencing and use wildlife friendly fencing.

*Interests Met: 3**

ADDITIONAL ACTIONS: North TSA-Wide - Recommendations

- » Conduct maintenance activities to bring trails up to OSMP sustainable trail guidelines.

Primary Goal

- » Increase trail sustainability to protect the OSMP trail system over the long term while providing a quality visitor experience.

Cost Estimate: \$\$\$

Driving Factors/Benefits

- » A sustainable trail is physically, ecologically and economically sustainable over time.
- » Ensure trails maintain their character over time and encourage on-trail use.
- » Use ecological best management practices as work is planned and implemented to minimize erosion and locate trails in a manner that minimizes impacts to surrounding natural and cultural resources.
- » Upgrade trails so they will require minimal maintenance and financial resources over the long term.

- » Update, replace and install infrastructure to bring existing trailheads and access points up to OSMP standards.

Primary Goal

- » Install appropriate and functioning infrastructure at each trailhead and access point to provide a safe, consistent and quality visitor experience.

Cost Estimate: \$\$\$

Driving Factors/Benefits

- » Provide visitors with safe, well-maintained and functioning infrastructure (e.g., easy to understand signs, toilets, safe parking access, etc.)
- » Upgrade infrastructure so that it is less difficult and costly to maintain over time.

- » Remove fencing that is no longer serving a function and when modifying or installing fencing in implementation of the North TSA, ensure fencing is wildlife friendly.

Primary Goal

- » Remove fences no longer serving a purpose and replace barbed-wire fences with less harmful barriers.

Cost Estimate: \$\$

Driving Factors/Benefits

- » Remove fences to improve visitor experience and resource conservation.
- » Enhance wildlife corridors while balancing livestock control measures.
- » Install new fences with wildlife friendly design.

*See Appendix D for a full list of which interest(s) each action meets.



Primary Goal

- » Create larger areas of unfragmented habitat by closing, revegetating or restoring undesignated trails that have not been designated through the North TSA process.

Cost Estimate: \$\$\$

Driving Factors/Benefits

- » Eliminate undesignated trails that are redundant and unmanaged trail connections.
- » Improve conservation of rare plant communities and other sensitive resources.
- » Offset resource impacts of providing new trail connections.

ACTION T25 Allow natural revegetation or restore all undesignated trails not integrated into designated trail connections.

*Interests Met: 4**

Primary Goal

- » Conserve and restore high-quality native plant communities and rare plant communities.

Cost Estimate: \$

Driving Factors/Benefits

- » Share information about the resource impacts associated with the spread of invasive plants and ways visitors can help prevent or minimize this issue.
- » The North Foothills HCA is an area of high importance for this action.

ACTION T26 Assess and prevent the introduction and spread of priority invasive plants.

*Interests Met: 2**

Primary Goal

- » Share information with visitors about the ecology, natural features, habitats, plants and animals in various locations throughout the North TSA, including North Foothills HCA, Boulder Valley Ranch and Wonderland Lake.

Cost Estimate: \$\$

Driving Factors/Benefits

- » Increase public awareness and understanding of interesting or unique natural resources.
- » Improve compliance with regulations through programs directed at resource protection.

ACTION T27 Create interpretive information and messages about unique, rare and sensitive resources.

*Interests Met: 2**

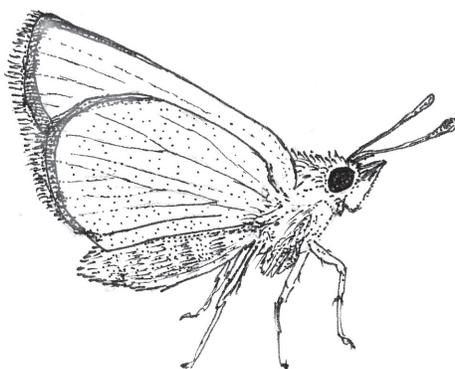


Illustration of a rare arogos skipper by OSMP staff Dave Sutherland, prepared for a forthcoming interpretive sign at Joder Ranch.

*See Appendix D for a full list of which interest(s) each action meets.

