



North TSA Plan Recommendations

Wonderland Lake



ACTION W1 Collaborate with Parks and Recreation to support nature play experiences on their adjacent properties.

*Interests Met: 1**

ACTION W2 Assess vision for Foothills Nature Center.

*Interests Met: 2**

ACTION W3 Construct a shade structure near Wonderland Lake Trailhead.

*Interests Met: 2**

ACTION W4 Improve safety at Broadway crossing.

*Interests Met: 3**

Note: There are no new management area designations in this subarea.

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

MAP 23: Wonderland Lake - Subarea-Wide Recommendations

- » Collaborate with City of Boulder Parks and Recreation Department to support designed nature play experiences on their property and support appropriate passive recreation aspects of this type of experience on adjacent OSMP land.

Primary Goal

- » Support the creation of places designed for children on Parks and Recreation properties to gain a greater appreciation for, and awareness of, the natural environment.

Driving Factors/Benefits

- » Promote daily contact with the natural environment and outdoor space consistent and suitable for OSMP lands.

Cost Estimate: \$**

- » OSMP is assessing and preparing plans for the future vision of the Foothills Nature Center and associated trailhead.

Primary Goal

- » A separate building and site assessment process will determine potential changes to the Foothills Nature Center and Trailhead.

Cost Estimate: Costs are not part of the North TSA Plan.

Primary Goal

- » Provide a shaded area where education and other groups can gather when accessing the Wonderland Lake area.

Driving Factors/Benefits

- » Provide shade for the safety and comfort of educational groups and other visitors.

Cost Estimate: \$\$

- » Support and encourage improvements to crossing between Sumac Avenue, RTD bus stop and the Foothills Nature Center.

Primary Goal

- » Encourage and support creating a safer and more visible way to cross Broadway for visitors accessing Foothills Nature Center and Wonderland Lake by bus.

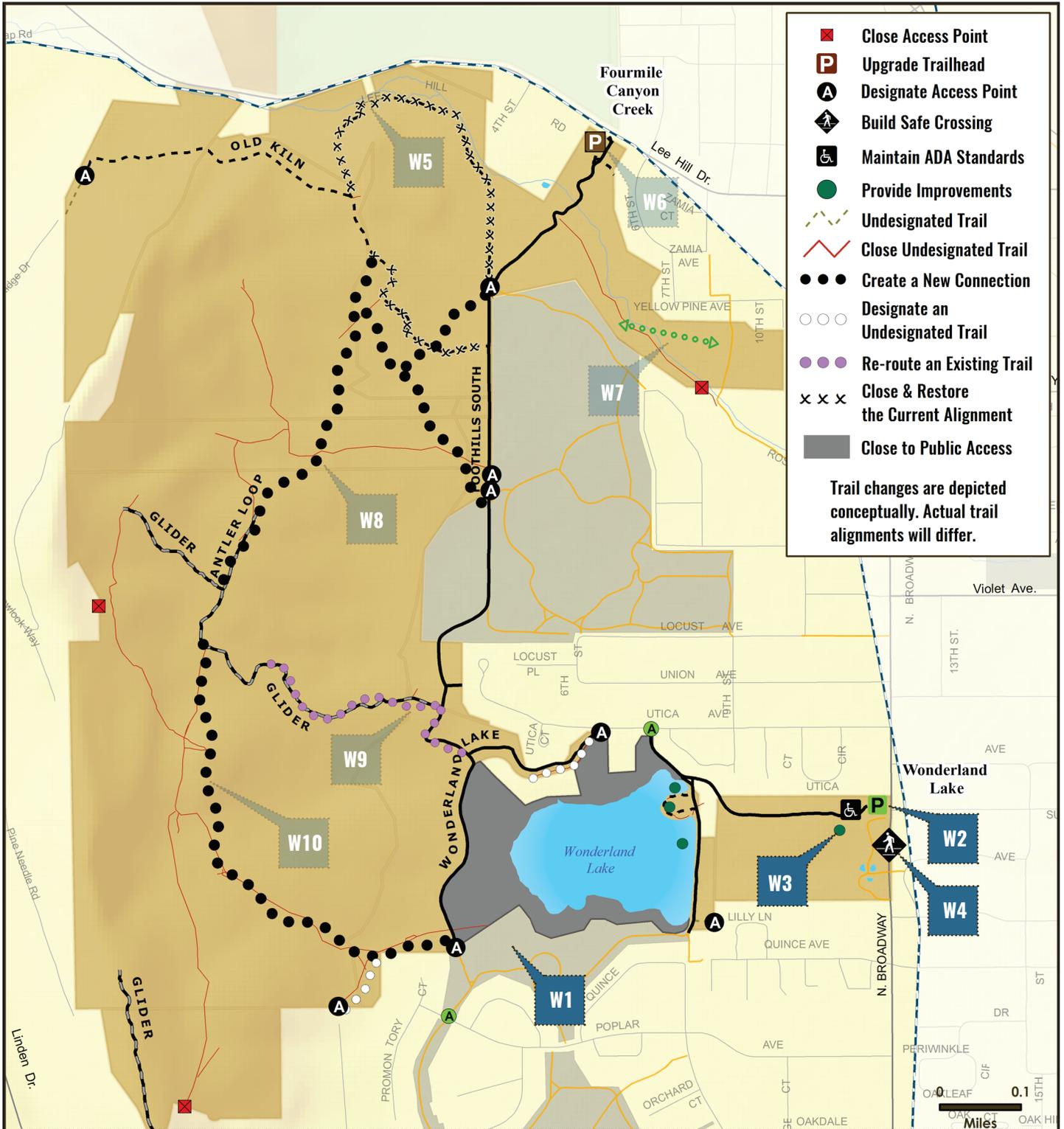
Driving Factors/Benefits

- » Improve accessibility of North TSA to visitors who rely upon public transit.

Cost Estimate: Core Service

**Cost Equivalents

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



MAP 23: Wonderland Lake - Subarea-Wide Recommendations

- North Trail Study Planning Area
- North Trail Study Subareas
- OSMP Trailhead
- OSMP Access Point

- Potential Future Connection
- OSMP Hiking/Equestrian Trail
- OSMP Multi-Use Trail
- OSMP Gliding Access
- Non-OSMP Managed Multi-Use Trail

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



ACTION W5 Revegetate the flood-damaged northern loop section of Old Kiln Trail.

*Interests Met: 2**

ACTION W6 Rename Four Mile Creek Trailhead as Fourmile Canyon Creek Trailhead.

*Interests Met: 2**

ACTION W7 Collaborate to create a connection from Fourmile Canyon Creek Greenway path to Foothills Community Park.

*Interests Met: 3**

MAP 24: Wonderland Lake - Fourmile Canyon Creek Focus Area

Primary Goal

- » Protect rare plants and unique geological features in this area.

Cost Estimate: \$

Driving Factors/Benefits

- » Rebuilding the trail is not feasible given the extensive damage from the 2013 flood.
- » Restore/improve riparian habitat.

Primary Goal

- » Align trailhead name with Fourmile Canyon Creek.

Cost Estimate: \$\$

- » As opportunities arise, collaborate with partner agencies to create local trail connections that minimize natural resource impacts.

Primary Goal

- » Provide greater opportunities for visitors and interconnectivity among adjacent trail systems.

Cost Estimate: Core Service

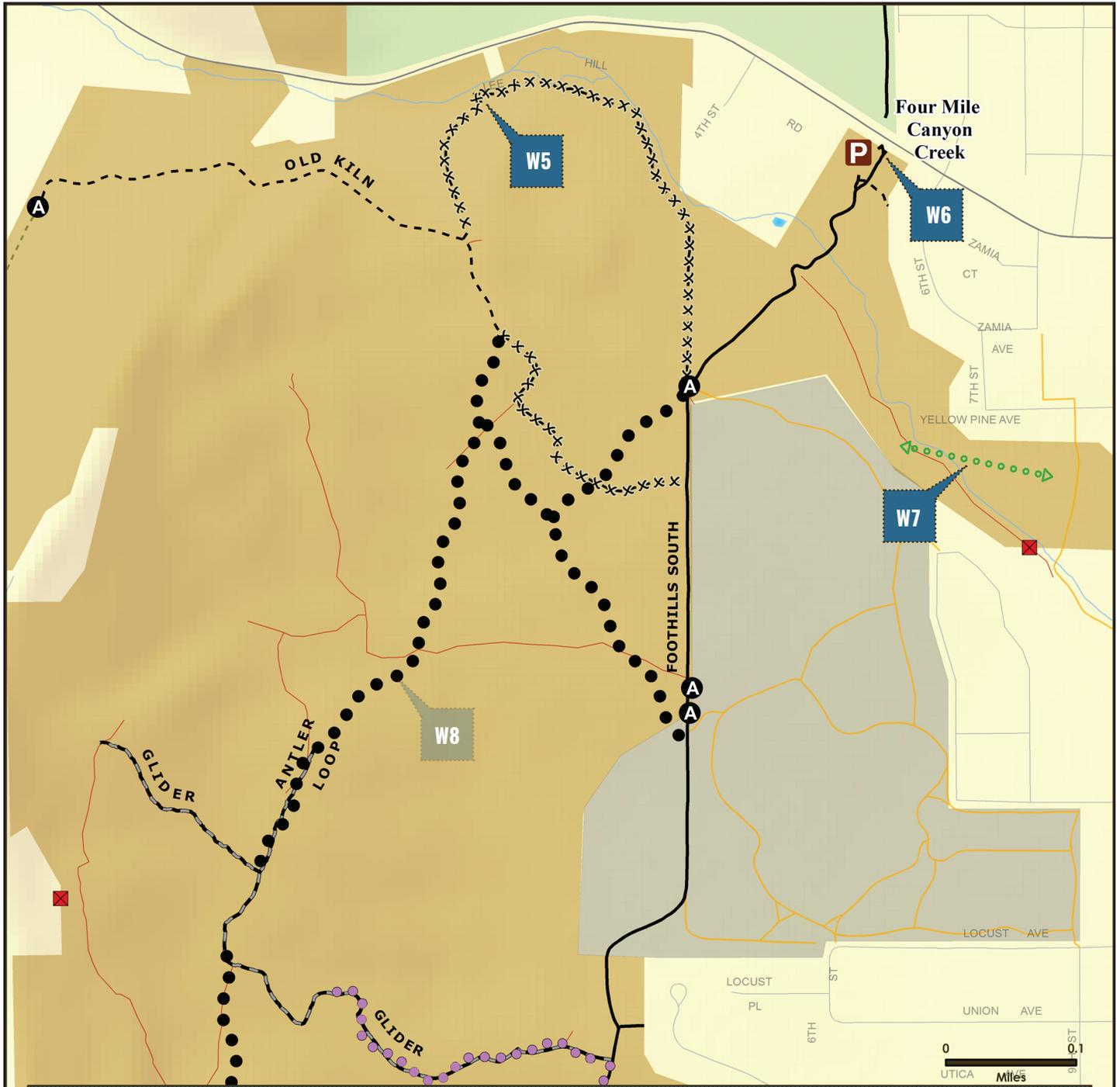
Driving Factors/Benefits

- » Increase coordination/consistency among OSMP and partner agencies to advance local trail connections that also conserve natural and agricultural resources.
- » Connection accepted by City Council in the Greenways Master Plan.



Staff Steve Mertz by historical limestone kiln after flood of September 2013 washed out Fourmile Canyon Creek channel.

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



MAP 24: Wonderland Lake - Fourmile Canyon Creek Focus Area

- | | | |
|--|--|--|
| <ul style="list-style-type: none"> X Close Access Point P Upgrade Trailhead A Designate Access Point ●●● Create a New Connection x x x Close and Restore the Current Alignment ●●● Re-route an Existing Trail | <ul style="list-style-type: none"> ◁●●▷ Potential Future Connection - - - OSMP Hiking/Equestrian Trail ≡ OSMP Multi-Use Trail ≡ OSMP Gliding Access — Non-OSMP Managed Trails - - - Undesignated Trail — Close Undesignated Trail | <ul style="list-style-type: none"> ■ OSMP Fee & Managed Property ■ OSMP Easement or Jointly Owned, County-Managed Land ■ Other Government Land <p>Trail changes are depicted conceptually. Actual trail alignments will differ.</p> |
|--|--|--|

User: GardE1 Date: 2/25/2016 Path: E:\MapFiles\TSA\NorthTSA\DraftPlan\mxds\RecommendationMaps\Wonderland_Subarea\Wonderland_NorthFocusArea.mxd



ACTION W8 Create Wonderland Lake backdrop loop trail connection by re-routing trails. (Antler Loop)

*Interests Met: 4**

MAP 25: Wonderland Lake - South Foothills Focus Area

- » Re-route existing designated and undesignated trails to provide more sustainable connections to the paragliding launch sites and visitors seeking a trail experience on the Wonderland hogback.

Primary Goal

- » Provide new trail access to improve visitor experience, replace undesignated trails and reduce maintenance and management costs.

Driving Factors/Benefits

- » Avoid sensitive natural resources through the addition of sustainable trails, re-routing of unsustainable trails and closure of undesignated trails.

Cost Estimate: \$\$\$

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



MAP 25: Wonderland Lake - South Foothills Focus Area

- | | | | | | |
|--|--------------------------|--|---|---|---|
| | Close Access Point | | OSMP Hiking/Equestrian Trail | | Potential Future Connection |
| | Designate Access Point | | OSMP Multi-Use Trail | | Close to Public Access |
| | Provide Improvements | | OSMP Gliding Access | | OSMP Fee & Managed Property |
| | Upgrade Trailhead | | Non-OSMP Managed Trails | | OSMP Easement or Jointly Owned, County-Managed Land |
| | Maintain ADA Standards | | Close Undesignated Trail | | Other Government Land |
| | Build Safe Crossing | | Undesignated Trail | Trail changes are depicted conceptually. Actual trail alignments will differ. | |
| | Paragliding Launch Sites | | Create a New Connection | | |
| | | | Designate an Undesignated Trail | | |
| | | | Re-route an Existing Trail | | |
| | | | Close and Restore the Current Alignment | | |

User: GardE1 Date: 2/25/2016 Path: F:\MapFiles\TSA\NorthTSA\Draw\Plan\mxd\Recommendation\Maps\Wonderland_SubArea\Wonderland_BackDrop.mxd



ACTION W9 Re-route portion of the Wonderland Lake Trail.

*Interests Met: 2**

ACTION W10 Create a second, smaller Wonderland Lake backdrop loop trail. (Glider Access Trail)

*Interests Met: 3**

MAP 26: Wonderland Lake - Wonderland Lake Backdrop Focus Area

- » Re-route the steep downhill section of trail just north of where it connects into Foothills South Trail.

Primary Goal

- » Increase sustainability of this section of trail while minimizing impacts to rare plant communities including New Mexico feathergrass in this area.

Cost Estimate: \$\$

- » Create a more sustainable trail connection to replace the existing glider access trail.

Primary Goal

- » Increase recreation and loop trail opportunities for visitors.

Driving Factors/Benefits

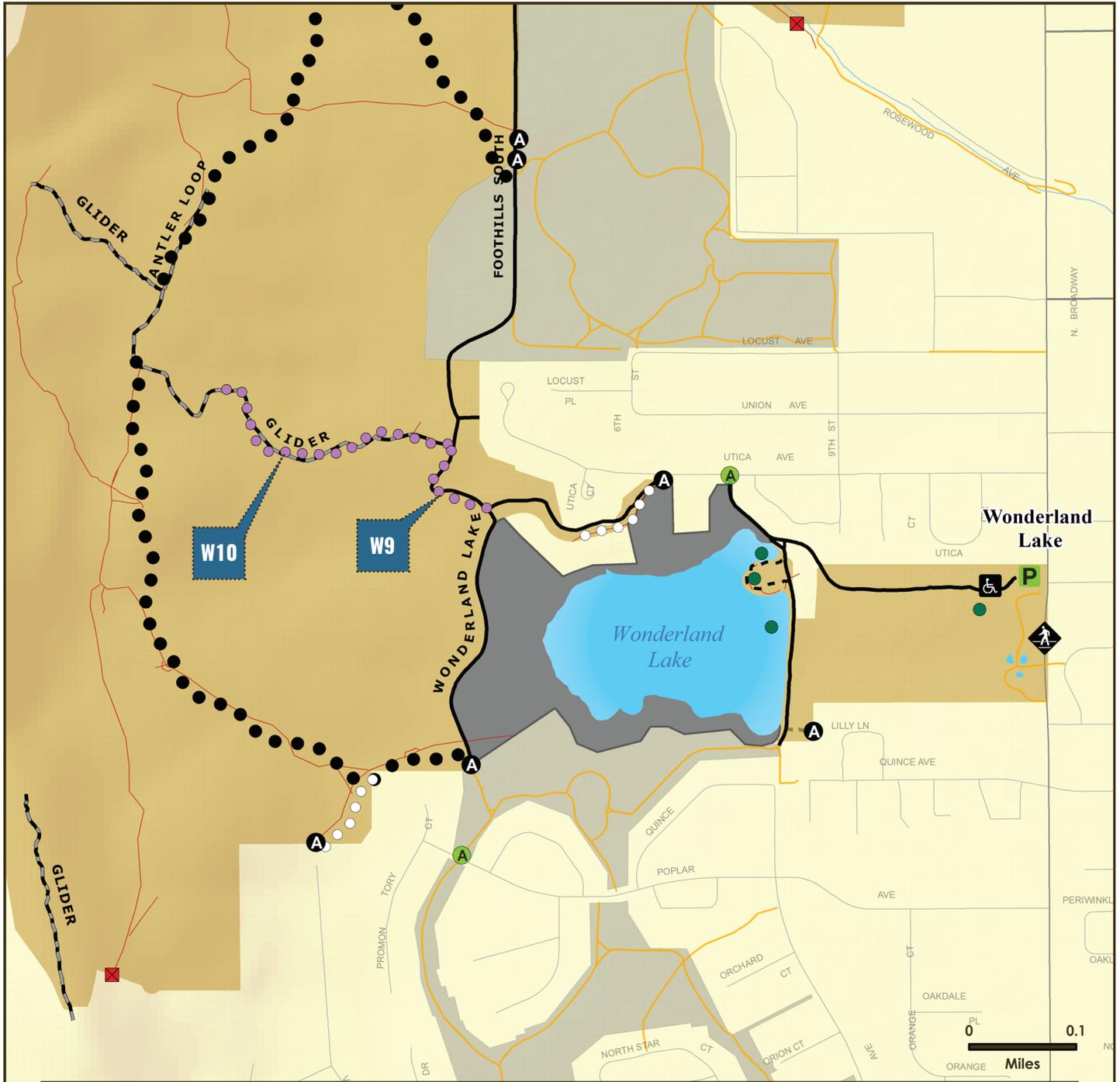
- » Increase connectivity among trails.
- » Increase trail sustainability.

Cost Estimate: \$\$\$



Blooming New Mexico feathergrass. © Bill May.

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



MAP 26: Wonderland Lake - Wonderland Lake Backdrop Focus Area

OSMP Trailhead	OSMP Hiking/Equestrian Trail	Create a New Connection
OSMP Access Point	OSMP Multi-Use Trail	Designate an Undesignated Trail
Close Access Point	OSMP Gliding Access	Re-route an Existing Trail
Designate Access Point	Close Undesignated Trail	Close to Public Access
Build Safe Crossing	Undesignated Trail	OSMP Fee & Managed Property
Maintain ADA Standards	Non-OSMP Managed Trails	Other Government Land
Provide Improvements		

User: edwak1 Date: 2/29/2016 Path: E:\MapFiles\TSA\NorthTSA\DraftPlan\mxds\RecommendationMaps\Wonderland_Subarea\Wonderland_SouthFocusArea.mxd



MAP 27: Wonderland Lake - Wonderland Lake Focus Area

ACTION W11 Improve Americans with Disabilities Act (ADA) access on Wonderland Lake Trail.

*Interests Met: 5**

ACTION W12 Prohibit boats and belly boats on Wonderland Lake.

*Interests Met: 2**

ACTION W13 Prohibit ice skating on Wonderland Lake.

*Interests Met: 2**

ACTION W14 Allow sledding on Wonderland Lake dam.

*Interests Met: 2**

ACTION W15 Do not provide access to Wonderland Lake's south, west and north shores.

*Interests Met: 1**

Primary Goal

- » Provide more inclusive access to all types of visitors at Wonderland Lake Trail.

Cost Estimate: \$

Driving Factors/Benefits

- » This trail is suitable for improving ADA accessibility due to its grade, out-slope, trail width and lack of obstacles in the trail tread.

Primary Goal

- » Provide greater protection of lake and wetland natural resources.

Cost Estimate: \$

Driving Factors/Benefits

- » Minimize disturbance to waterfowl and shorebirds.
- » Designate fishing access off of the dam, peninsula and a pier where visitor impacts to wetland resources can be minimized.

Primary Goal

- » Creates consistent visitor access regulations and increases visitor safety.

Cost Estimate: \$

Driving Factors/Benefits

- » Consistent with restrictions to prohibit access on the lake in order to protect wetlands.

Primary Goal

- » Provide sledding access in an area that does not damage natural resources or have safety concerns.

Cost Estimate: \$

Driving Factors/Benefits

- » Formalize an area where children/families can sled.

Primary Goal

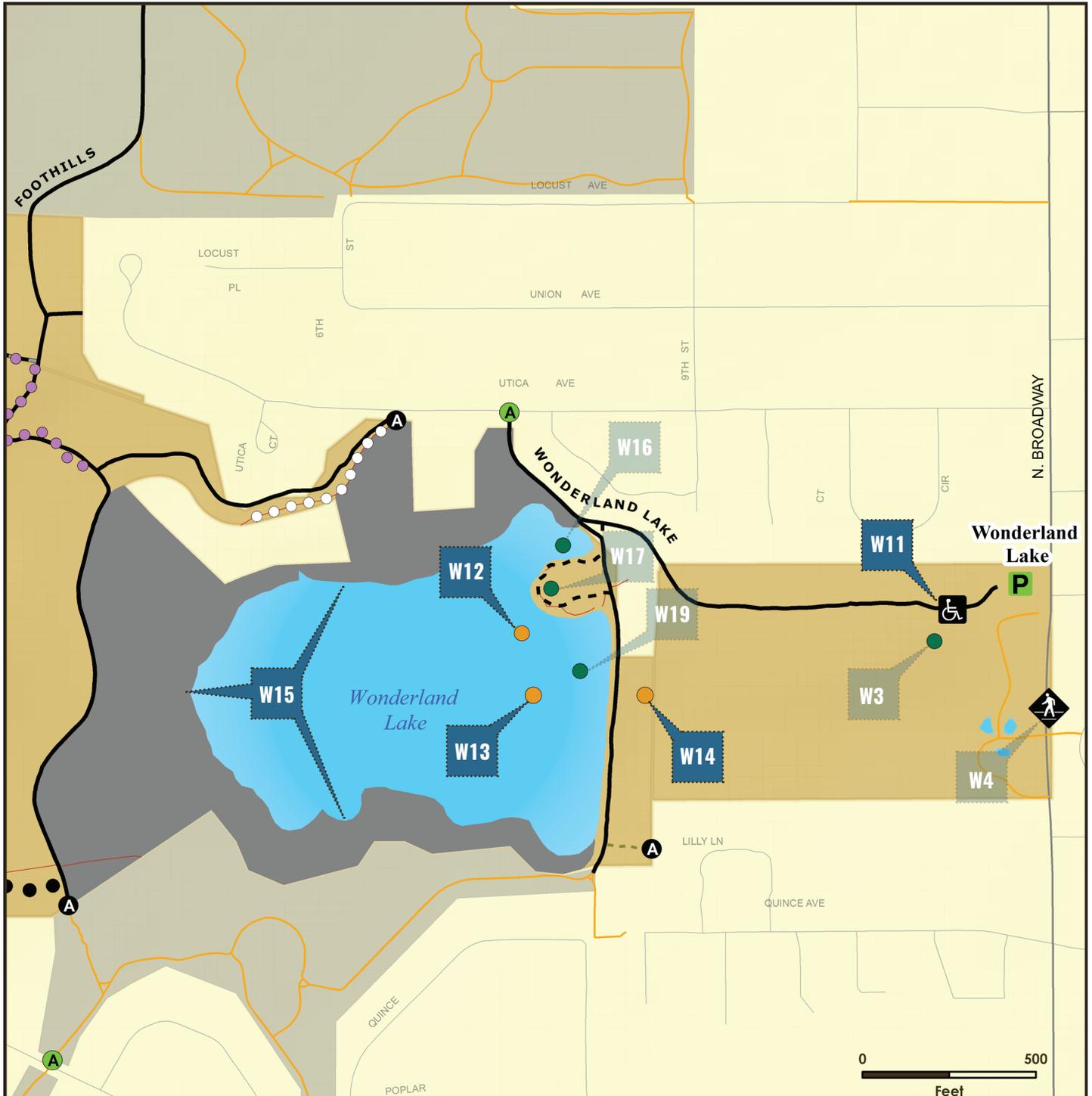
- » Protect sensitive wetland resources on the south, west and north shores of Wonderland Lake.

Cost Estimate: \$

Driving Factors/Benefits

- » Minimize disturbance to waterfowl, shorebirds and other wildlife.
- » Areas of the east shore are accessible for water access, fishing access and interpretive opportunities.

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



MAP 27: Wonderland Lake - Wonderland Lake Focus Area

OSMP Trailhead	OSMP Hiking/Equestrian Trail	OSMP Fee & Managed Property
OSMP Access Point	OSMP Multi-Use Trail	Other Government Land
Designate Access Point	Close Undesignated Trail	Close to Public Access
Build Safe Crossing	Undesignated Trail	Trail changes are depicted conceptually. Actual trail alignments will differ.
Maintain ADA Standards	Non-OSMP Managed Trails	
Provide Improvements	Create a New Connection	N
Regulatory Change	Designate an Undesignated Trail	
	Re-route an Existing Trail	

User: GardE1 Date: 2/25/2016 Path: E:\MapFiles\TSA\NorthTSA\DraftPlan\mxds\RecommendationMaps\Wonderland_Subarea\Wonderland_LakeFocusArea.mxd



ACTION W16 Provide access to the cattail marsh on north side of peninsula.

*Interests Met: 4**

ACTION W17 Establish two hardened pullout areas on the peninsula for educational programming.

*Interests Met: 4**

ACTION W18 Allow Wonderland Lake wading access from designated areas on the peninsula.

*Interests Met: 3**

ACTION W19 Create Wonderland Lake fishing pier.

*Interests Met: 6**

MAP 28: Wonderland Lake - Peninsula Focus Area

Primary Goal

- » Increase opportunities for education and interpretive experiences, especially for families and youth.

Cost Estimate: \$

Driving Factors/Benefits

- » Provide out and back interpretive boardwalk access to the cattail marsh adjacent to peninsula where impacts can be minimized at this site and by protecting other wetland areas around the lake.

- » Provide increased beach access on the western edge of the peninsula.

Primary Goal

- » Increase and define opportunities to access water to foster education and interpretive experiences.

Cost Estimate: \$

Driving Factors/Benefits

- » Mitigate conflicts among interpretive programs with children and families and other visitor activities.
- » Concentrate access into defined areas on to the peninsula, protecting wetland vegetation in other areas on the peninsula and around the lake.

Primary Goal

- » Provide a special water access opportunity for improved visitor experience and nature study for youth.

Cost Estimate: \$

Driving Factors/Benefits

- » Access to water for visitors would be limited to peninsula and occur in location where impacts to natural resources can be minimized.
- » Increase consistency and compliance of regulations in this area.

Primary Goal

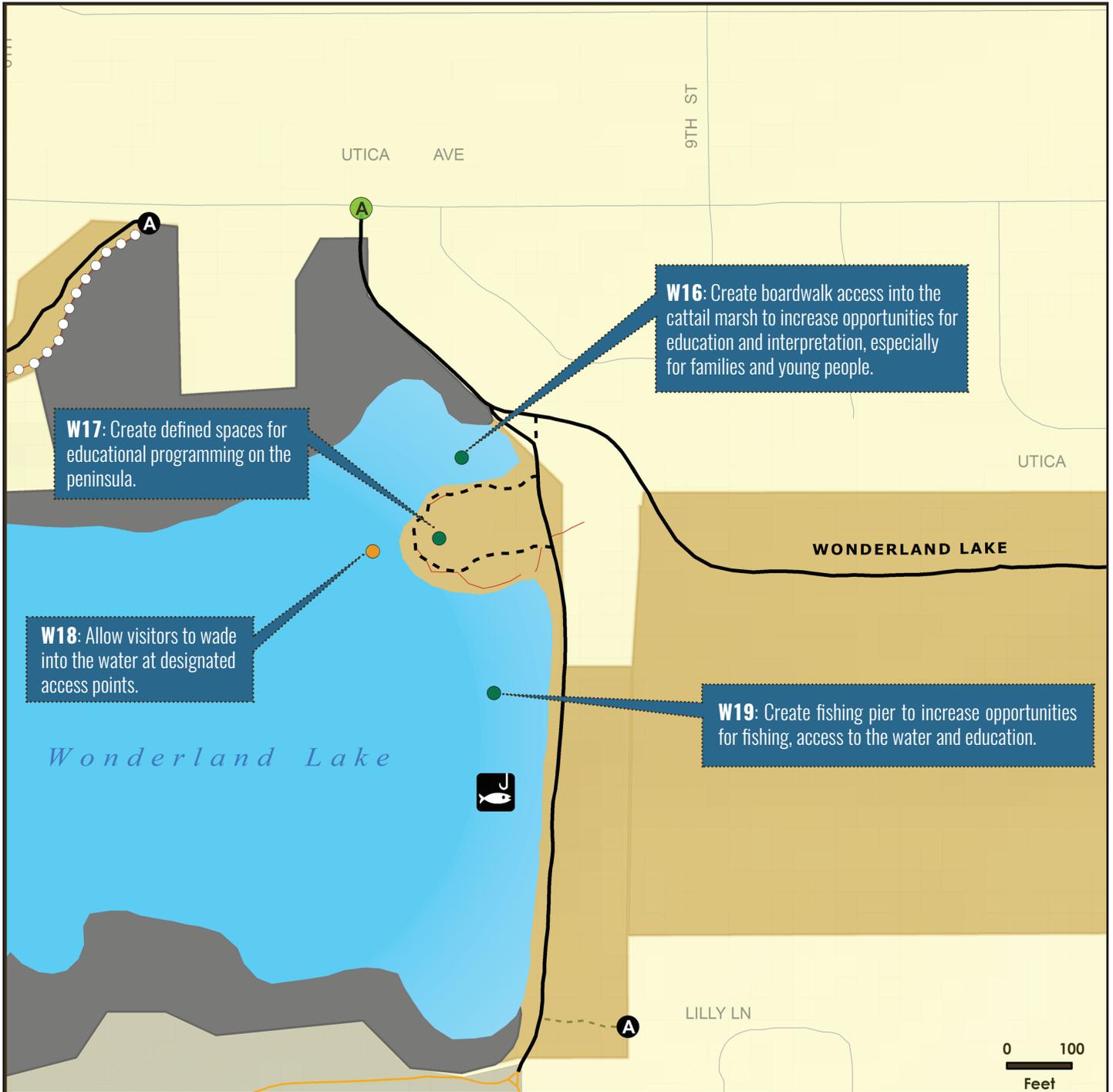
- » Increase opportunities to fish, access water and provide education and interpretive experiences.

Cost Estimate: \$\$

Driving Factors/Benefits

- » Provide fishing access alternative to enhance the safety for visitors traveling along the dam around those who are fishing.
- » Concentrate fishing and lake access to protect wetland vegetation in other areas around the lake.

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



MAP 28: Wonderland Lake - Peninsula Focus Area

- | | | |
|---------------------------------|------------------------------|---|
| OSMP Access Point | OSMP Hiking/Equestrian Trail | OSMP Fee & Managed Property |
| Designate Access Point | OSMP Multi-Use Trail | Other Government Land |
| Fishing Access | Close Undesignated Trail | Close to Public Access |
| Regulatory Change | Undesignated Trail | Trail changes are depicted conceptually. Actual trail alignments will differ. |
| Provide Improvements | Non-OSMP Managed Trails | |
| Designate an Undesignated Trail | | |

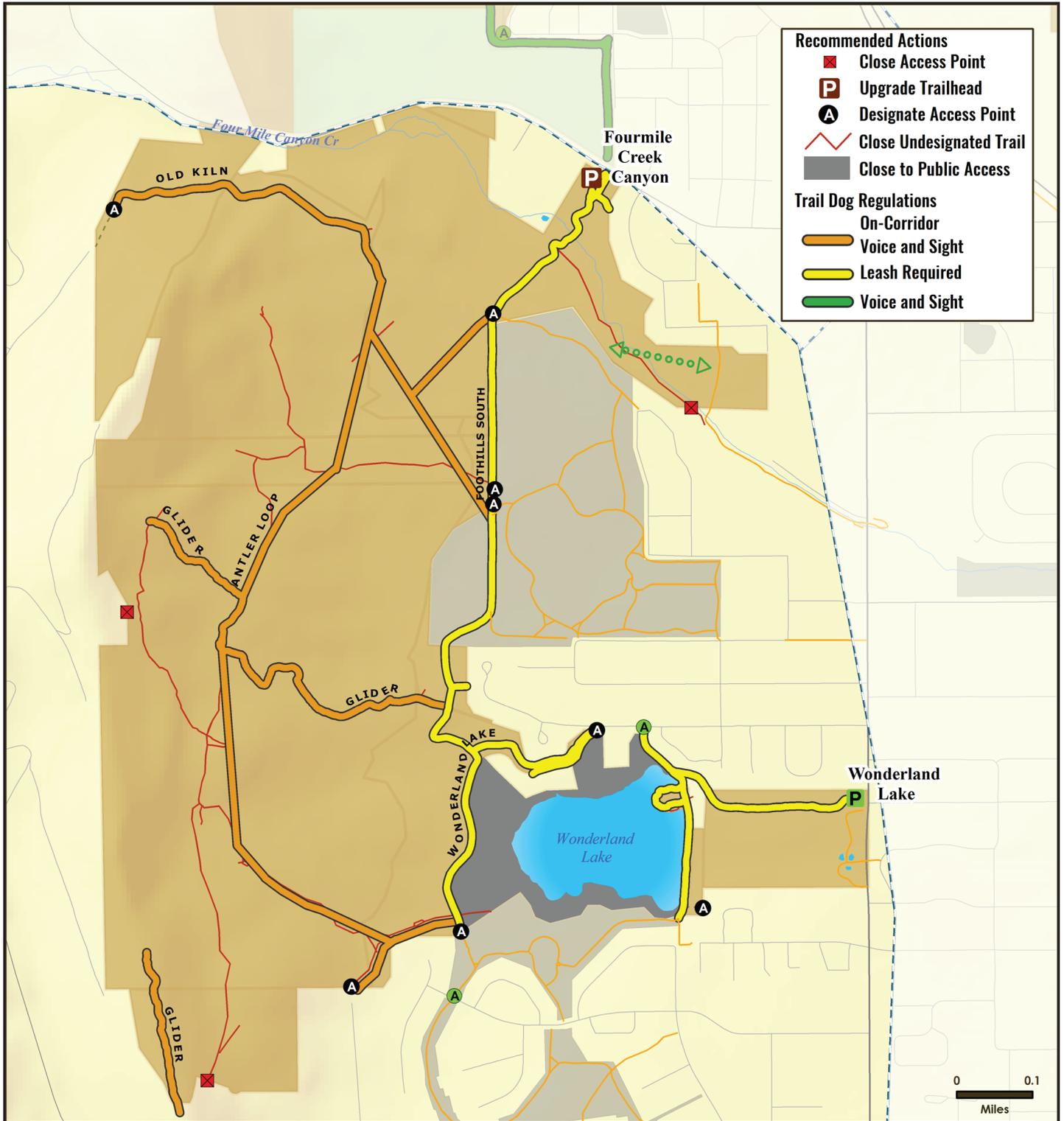




MAP 29: Wonderland Lake - Trail-Based Dog Regulations

TRAIL NAME	DOG REGULATION
New Trails	
Wonderland Hill loop (Antler Loop)	On-Corridor Voice and Sight
Existing and Re-routed Trails with New Dog Regulations	
Old Kiln Trail	On-Corridor Voice and Sight
Re-routed Wonderland Hill glider access (Glider Access Trail)	On-Corridor Voice and Sight
Wonderland Hill south glider access off Pine Needle Road	On-Corridor Voice and Sight
Existing and Re-routed Trails with No Changes to Existing Dog Regulations	
Foothills South Trail	Leash Required
Wonderland Lake trails	Leash Required
Wonderland Lake peninsula trail	Leash Required

There are no new off-trail regulations in this subarea. Dogs are required to be on leash when off-trail in this subarea.



MAP 29: Wonderland Lake - Trail-Based Dog Regulations

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



User: edwak1 Date: 2/29/2016 Path: E:\MapFiles\TSA\NorthTSA\DraftPlan\rxds\Regulations\Maps\Wonderland_Subarea\WonderlandLake_Subarea_Dogs.mxd



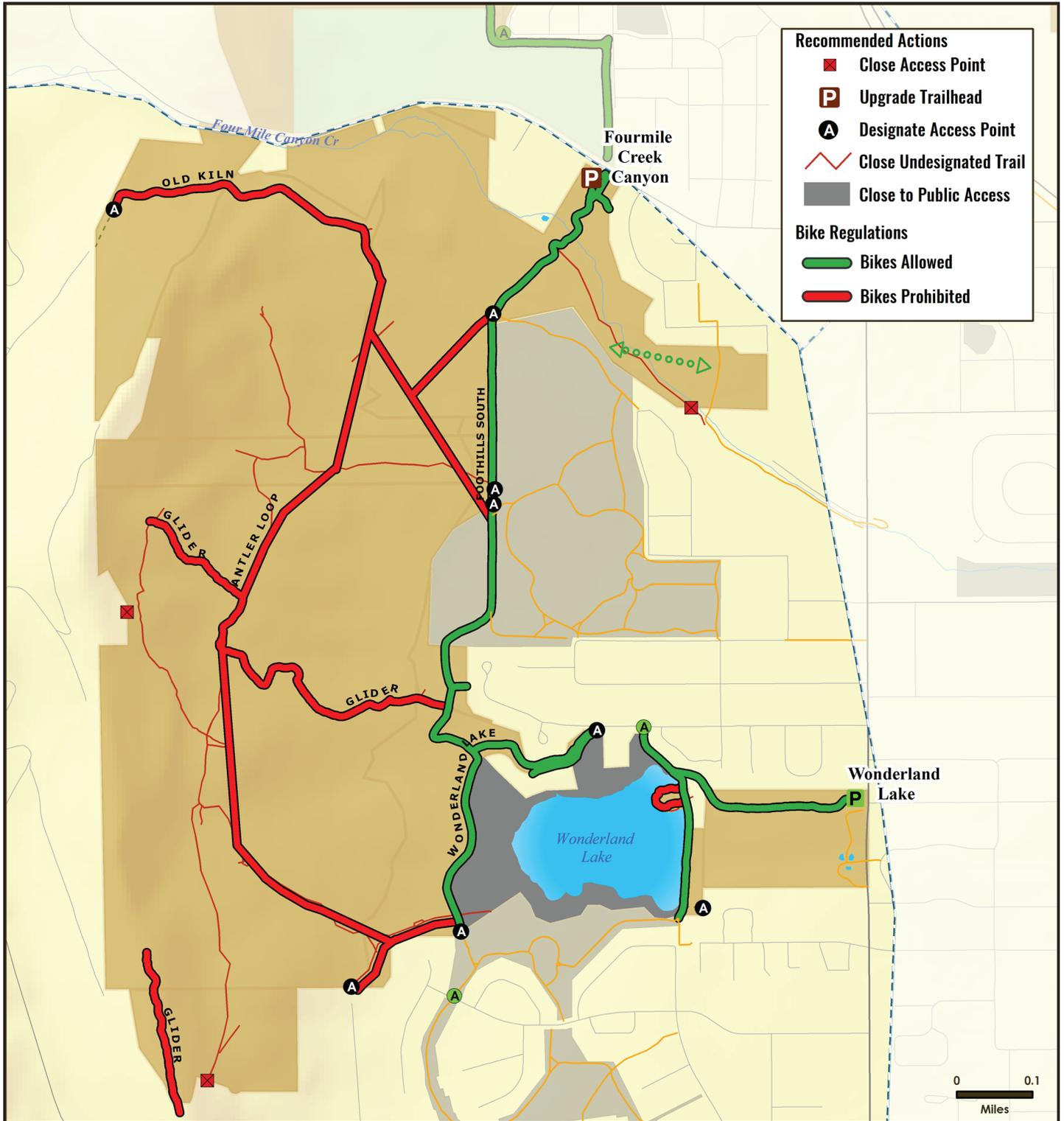
MAP 30: Wonderland Lake - Bike Regulations

TRAIL NAME	BIKE REGULATION
New Trails	
Wonderland Hill loop (Antler Loop)	Bikes Prohibited
Existing and Re-routed Trails with No Changes to Existing Bike Regulations	
Wonderland Lake trails	Bikes Allowed
Foothills South Trail	Bikes Allowed
Old Kiln Trail	Bikes Prohibited
Re-routed Wonderland Hill glider access (Glider Access Trail)	Bikes Prohibited
Wonderland Hill south glider access off Pine Needle Road	Bikes Prohibited
Wonderland Lake peninsula trail	Bikes Prohibited

There are no existing and re-routed trails with new bike regulations in this subarea.

Cyclists demonstrating the Fruita Lean, a practice that allows other visitors to pass while minimizing resource impacts.





Recommended Actions

- ❑ Close Access Point
- P Upgrade Trailhead
- A Designate Access Point
- ⚡ Close Undesignated Trail
- Close to Public Access

Bike Regulations

- 🟢 Bikes Allowed
- 🔴 Bikes Prohibited



MAP 30: Wonderland Lake - Bike Regulations

- North Trail Study Planning Area
- North Trail Study Subareas
- OSMP Trailhead
- OSMP Access Point

- Potential Future Connection
- OSMP Hiking/Equestrian Trail
- OSMP Multi-Use Trail
- OSMP Gliding Access
- Non-OSMP Managed Hiking Trail
- Non-OSMP Managed Multi-Use Trail

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



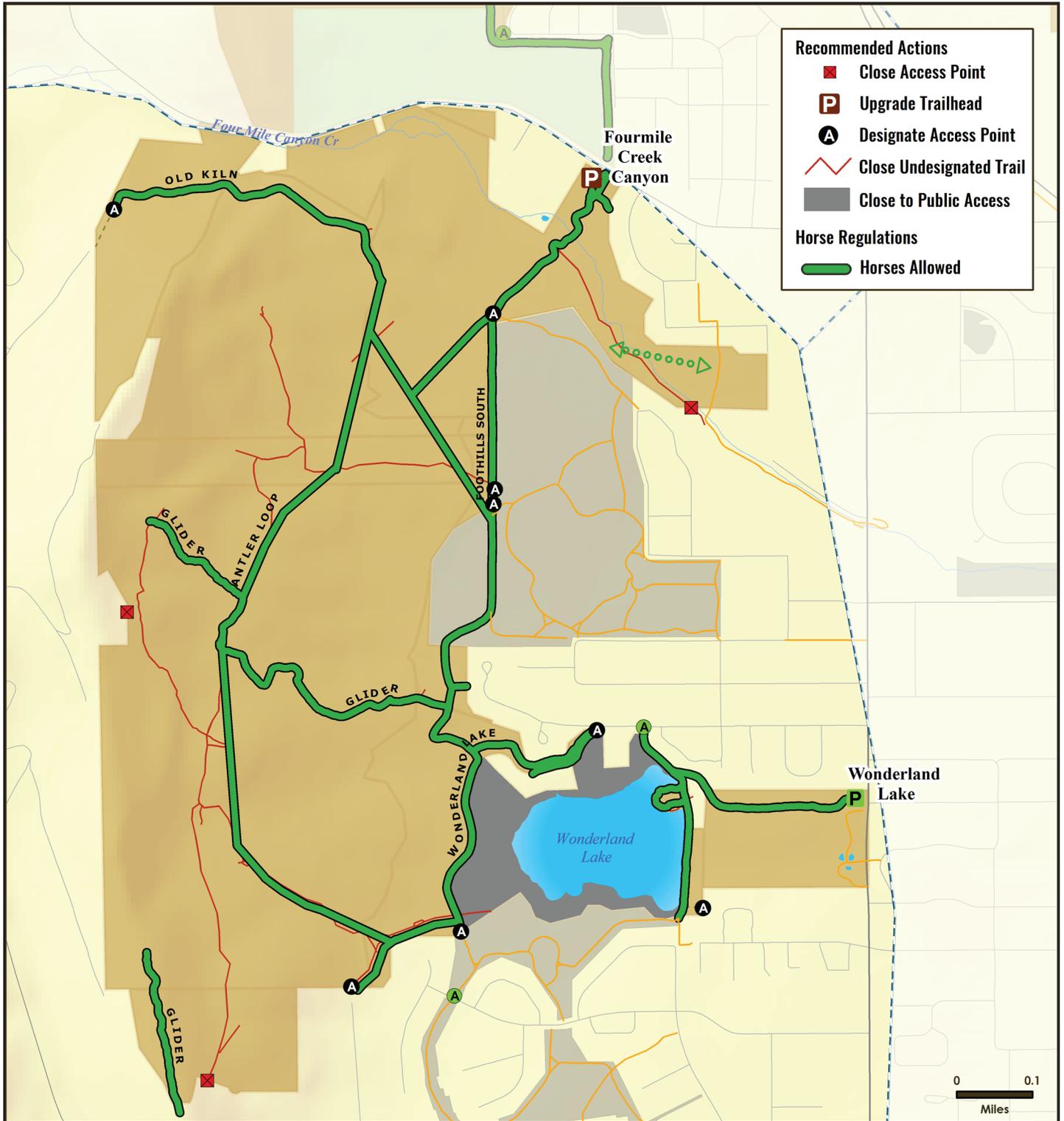
User: edwak1 Date: 2/29/2016 Path: E:\MapFiles\TSA\NorthTSA\DraftPlan\rxds\Regulations\Maps\Wonderland_Subarea\WonderlandLake_Subarea_Bikes.mxd



MAP 31: Wonderland Lake - Trail-Based Horse Regulations

TRAIL NAME	HORSE REGULATION
New Trails	
Wonderland Hill loop (Antler Loop)	Horses Allowed
Existing and Re-routed Trails with No Changes to Existing Horse Regulations	
Foothills South Trail	Horses Allowed
Old Kiln Trail	Horses Allowed
Re-routed Wonderland Hill glider access (Glider Access Trail)	Horses Allowed
Wonderland Hill south glider access off Pine Needle Road	Horses Allowed
Wonderland Lake trails	Horses Allowed
Wonderland Lake peninsula trail	Horses Allowed

Horses are allowed off-trail in this subarea.



MAP 31: Wonderland Lake - Trail-Based Horse Regulations

- North Trail Study Planning Area
- North Trail Study Subareas
- OSMP Trailhead
- OSMP Access Point

- Potential Future Connection
- OSMP Hiking/Equestrian Trail
- OSMP Multi-Use Trail
- OSMP Gliding Access
- Non-OSMP Managed Hiking Trail
- Non-OSMP Managed Multi-Use Trail

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

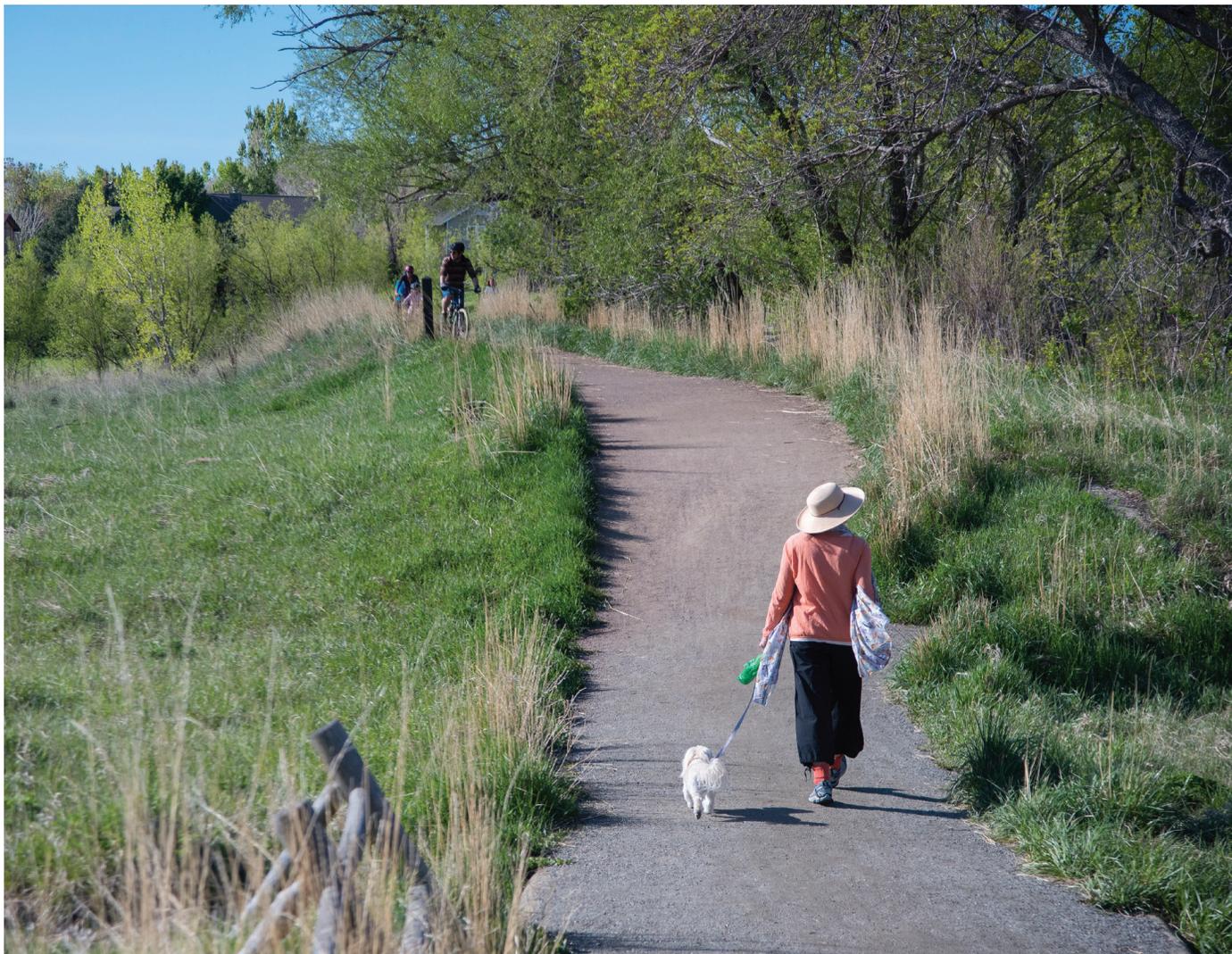


User: edwak1 Date: 2/29/2016 Path: E:\MapFiles\TSA\NorthTSA\DraftPlan\rxds\Regulations\Maps\Wonderland_Subarea\WonderlandLake_Subarea_Horses.mxd

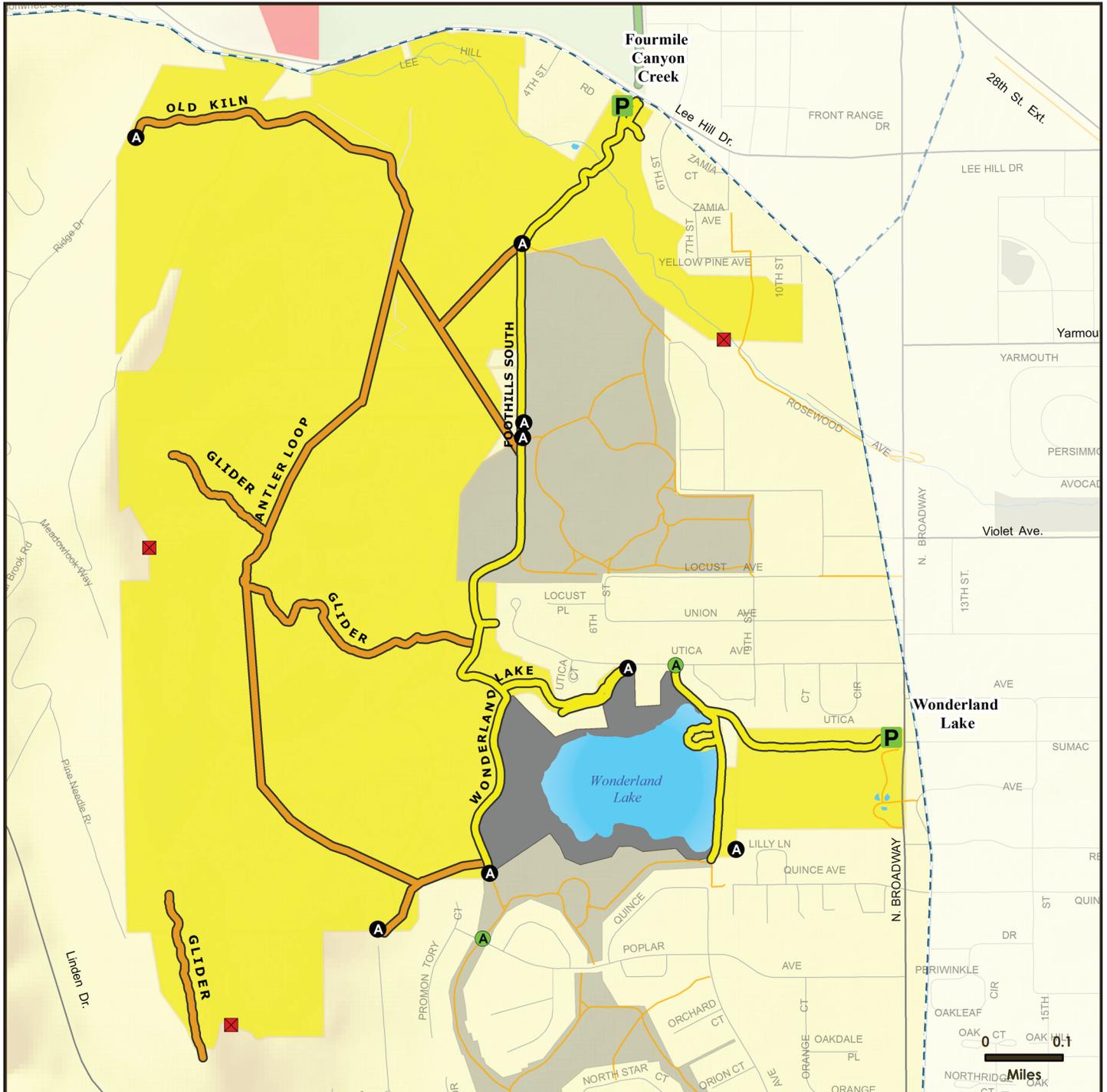


MAP 32: Wonderland Lake - Regulatory Settings

Visitor access regulations pertain to the management of activities both on- and off-trail. The regulatory settings map includes on-trail and off-trail specific regulations where public access is restricted year-round, areas with seasonal wildlife closures and on-trail and off-trail dog regulations.



Dog walker and cyclists at Wonderland Lake.



MAP 32: Wonderland Lake - Regulatory Settings

North Trail Study Planning Area

North Trail Study Subareas

OSMP Trailhead

OSMP Access Point

Visitor Access Regulations

New Access Point

Close Access Point

Trail Dog Regulations

Dogs Prohibited

On-Corridor Voice and Sight

Leash Required

Voice and Sight

Dog Regulation Areas

Voice and Sight Control

Leash Required

Dogs Prohibited

Closed to Public Access

Seasonal Wildlife Closure

Other Government Land



