

Reiter Foothills Recreation Plan

Recreation Land Suitability

Recreation Land Suitability

*Identify and map areas with long- term considerations
that affect recreation planning*

Biological Criteria

Geology & Soil Criteria

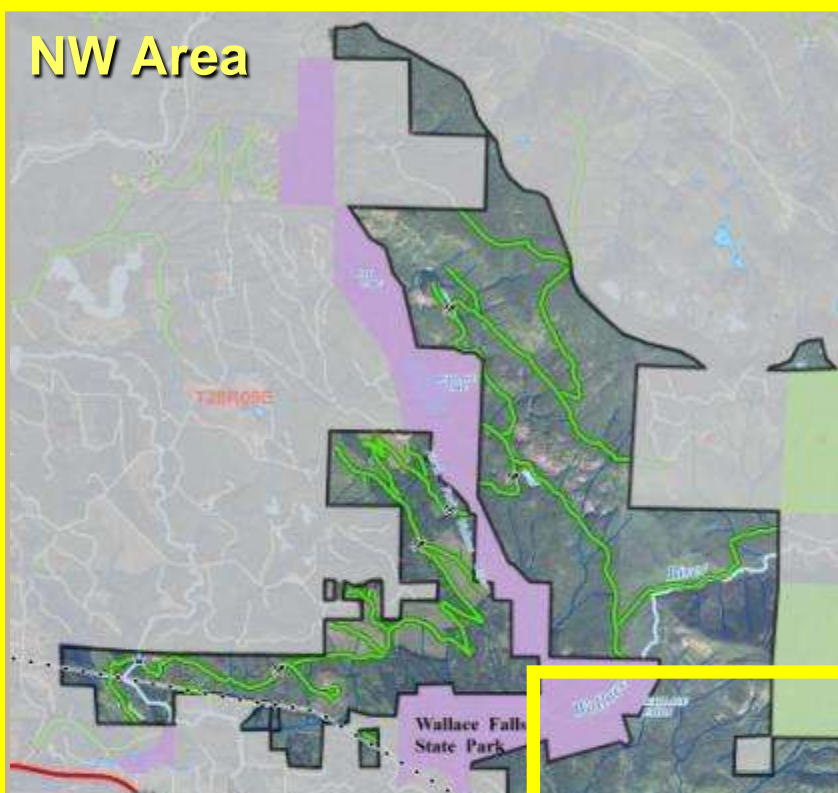
Management Criteria



Overview

- 1) Summary of local geology**
- 2) Review soils & geologic criteria individually**
- 3) Suitability matrix**
- 4) Composites of information by type**

Recreation Planning Area

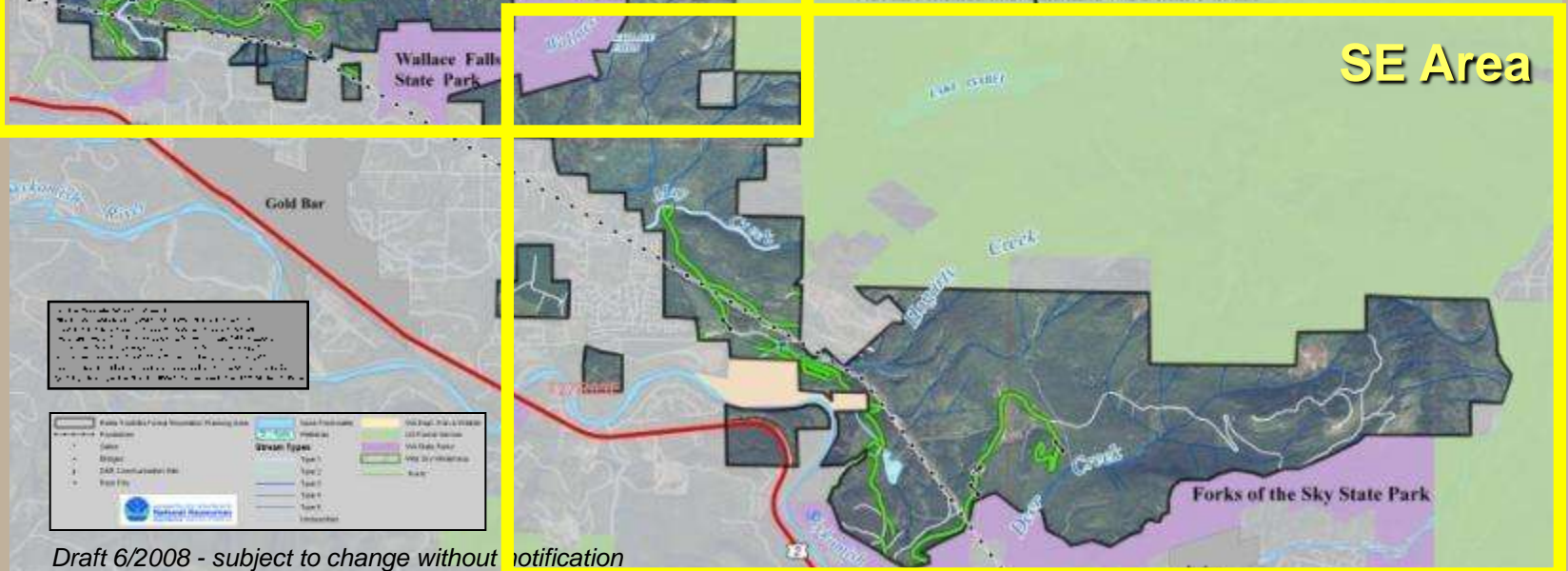
NW Area



-  Planning Area Boundary
-  Mainline Roads

Mount Baker Snoqualmie National Forest

SE Area



1. The Planning Area is defined by the boundary shown on this map. It is a sub-area of the larger Reiter Foothills Recreation Planning Area. The Planning Area is defined by the boundary shown on this map. It is a sub-area of the larger Reiter Foothills Recreation Planning Area.

Reiter Foothills Recreation Planning Area		Stream Types		Land Use	
Color	Blue	Type 1	Light Green	State Park	Yellow
Symbol	Blue line	Type 2	Medium Green	State Forest	Light Green
DAB Classification	Blue line	Type 3	Dark Green	State Park	Light Green
Map File	Blue line	Type 4	Light Green	State Forest	Light Green
	Blue line	Type 5	Light Green	State Park	Light Green
	Blue line	Intermittent	Light Green	State Forest	Light Green

Local Geology

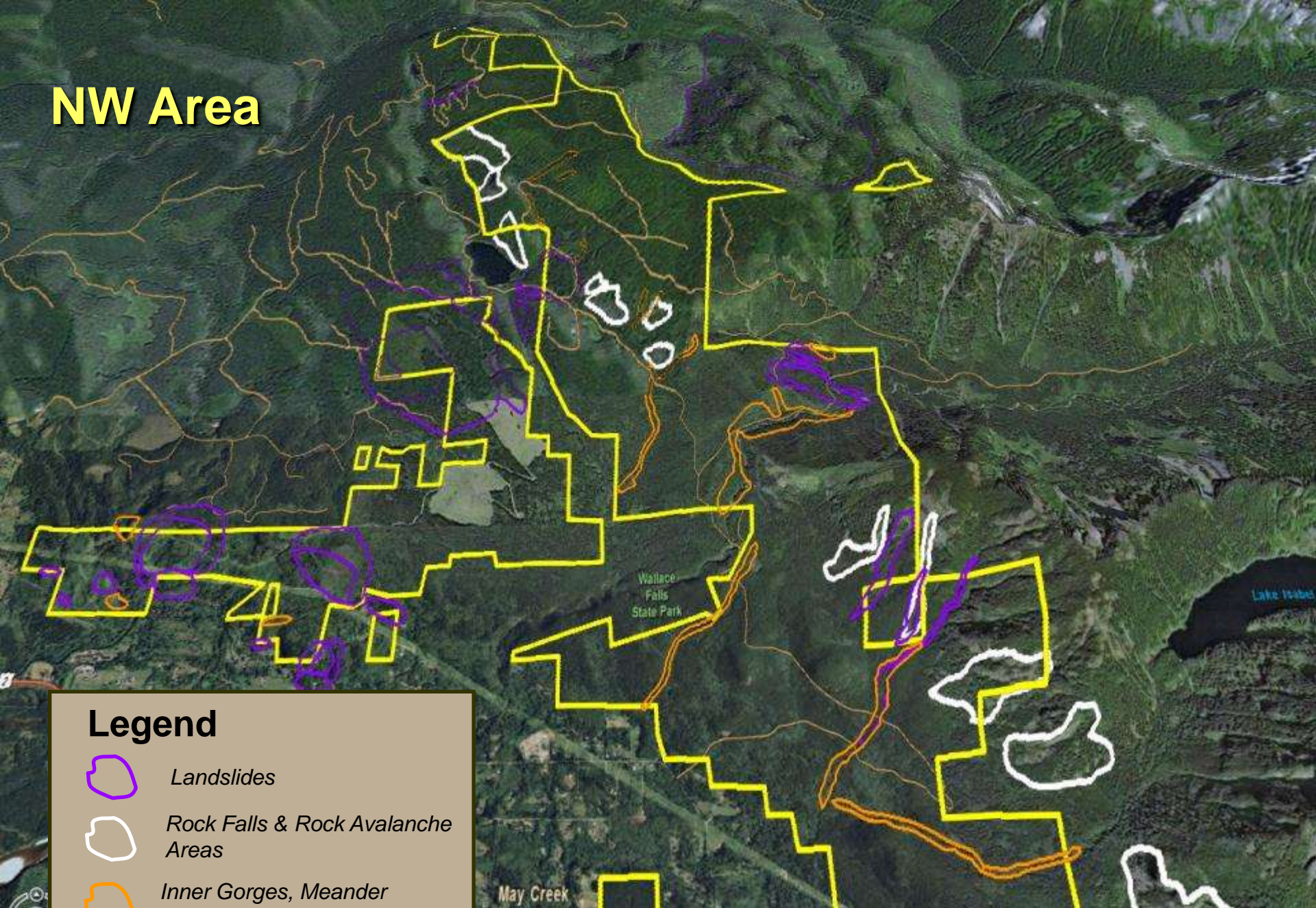
Topographic Setting

Climate

Geologic Setting

Landslide Processes

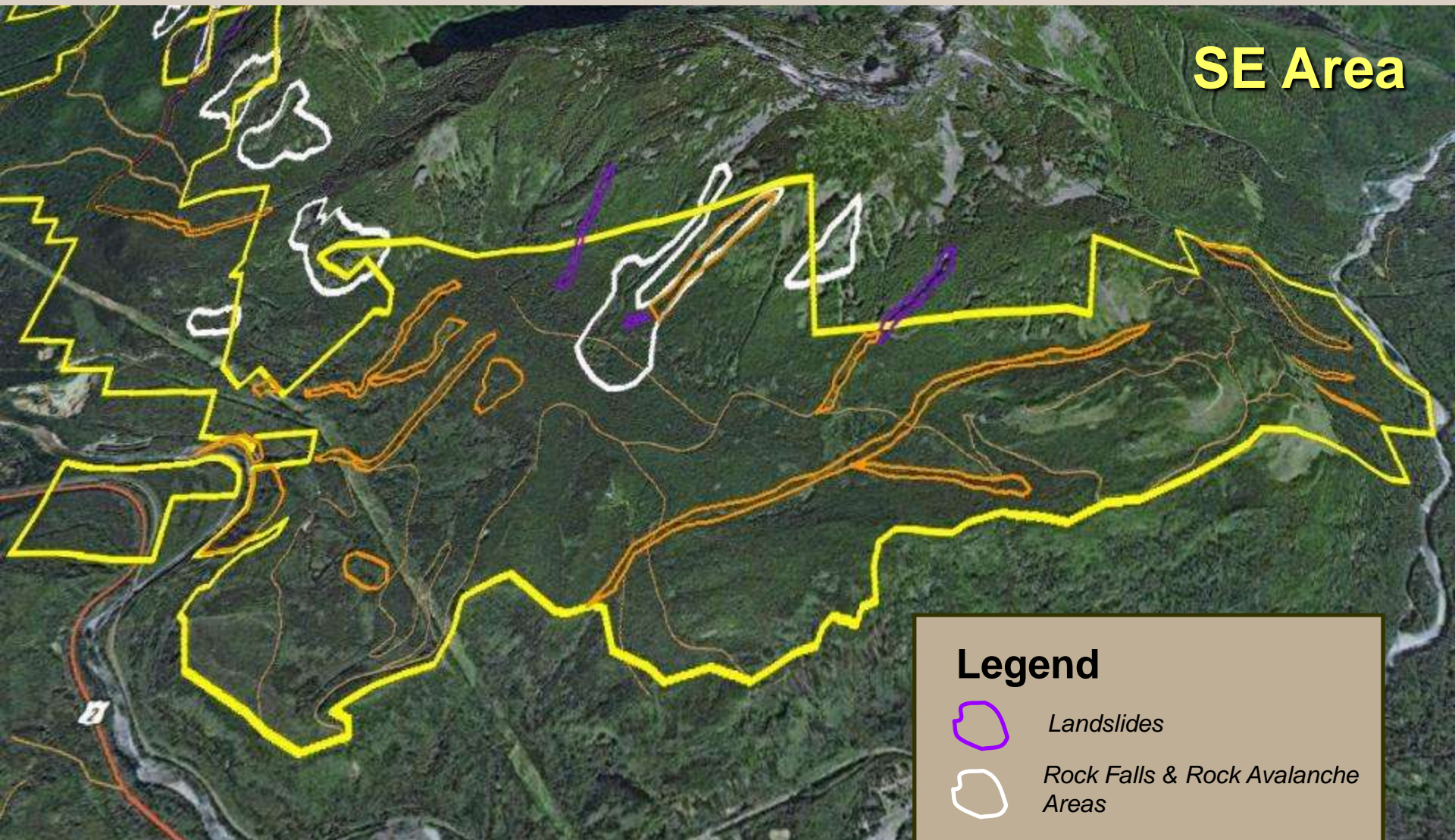
NW Area



Legend

-  Landslides
-  Rock Falls & Rock Avalanche Areas
-  Inner Gorges, Meander Bends, Bedrock Hollows, Convergent Topography

SE Area



Legend

-  *Landslides*
-  *Rock Falls & Rock Avalanche Areas*
-  *Inner Gorges, Meander Bends, Bedrock Hollows, Convergent Topography*

Terms for Soil & Geologic Suitability

Low Suitability= Areas with long-term considerations. These primarily include areas with potential for landslides, erosion and slope instability

Moderate Suitability= Areas where less mitigation and potential for impact exists compared to low suitability

Soil & Geologic Criteria*

Soils Erodibility

Landslide Bodies

Areas with Higher Potential for Landslides

Slope Steepness

Perched Water Table Potential

High Elevation Soils

100 Year Flood Plains

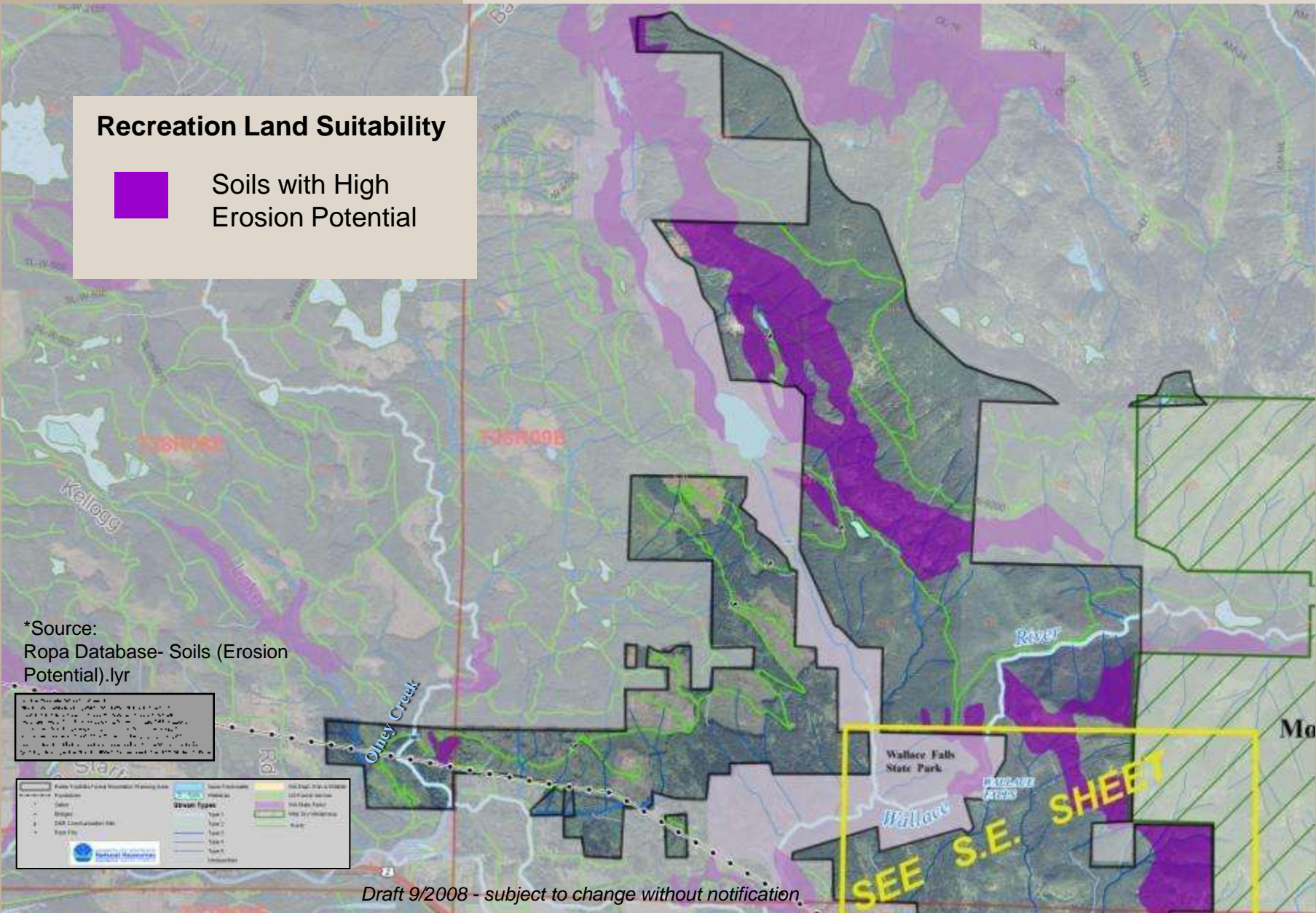
*These project-scale considerations are not intended to replace site specific project analysis. This list is based on information available to date.

**Feasibility of mapping these areas is being evaluated.

Recreation Land Suitability



Soils with High
Erosion Potential



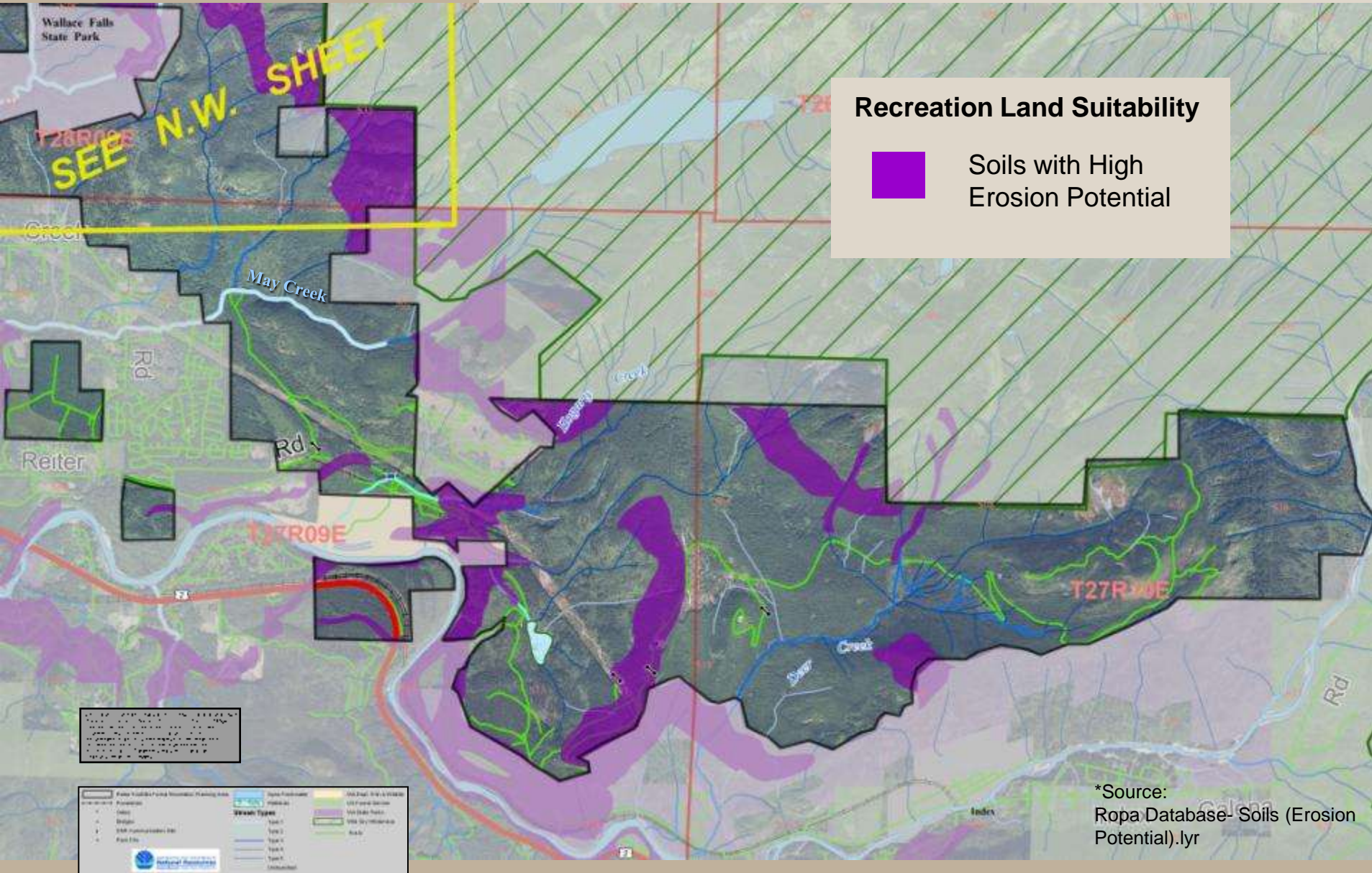
*Source:
Ropa Database- Soils (Erosion
Potential).lyr

Map of the Reiter Foothills Recreation Planning Area showing various land suitability zones and stream networks. The map includes labels for 'Kallegg', 'Olney Creek', 'Wallace River', and 'Wallace Falls State Park'. A yellow box in the bottom right corner contains the text 'SEE S.E. SHEET'. A legend in the bottom left corner provides details on symbols and colors used on the map.

Symbol	Description	Color	Description
Blue line	Stream	Yellow	High Erosion Potential
Blue line with dots	Stream	Light Green	Medium Erosion Potential
Blue line with dashes	Stream	Dark Green	Low Erosion Potential
Blue line with stars	Stream	Grey	Other

SOILS / GEOLOGY

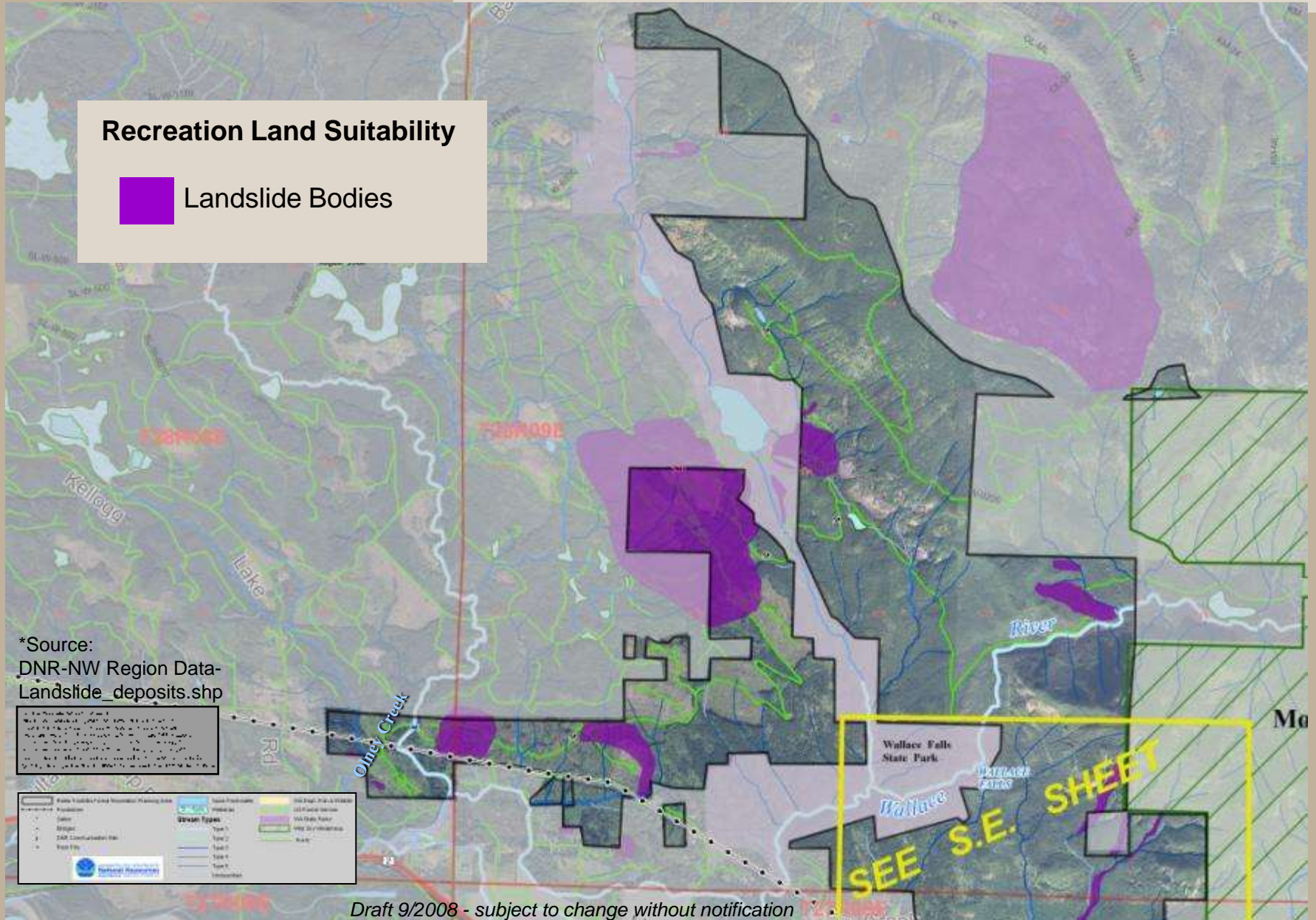
Long-term Considerations

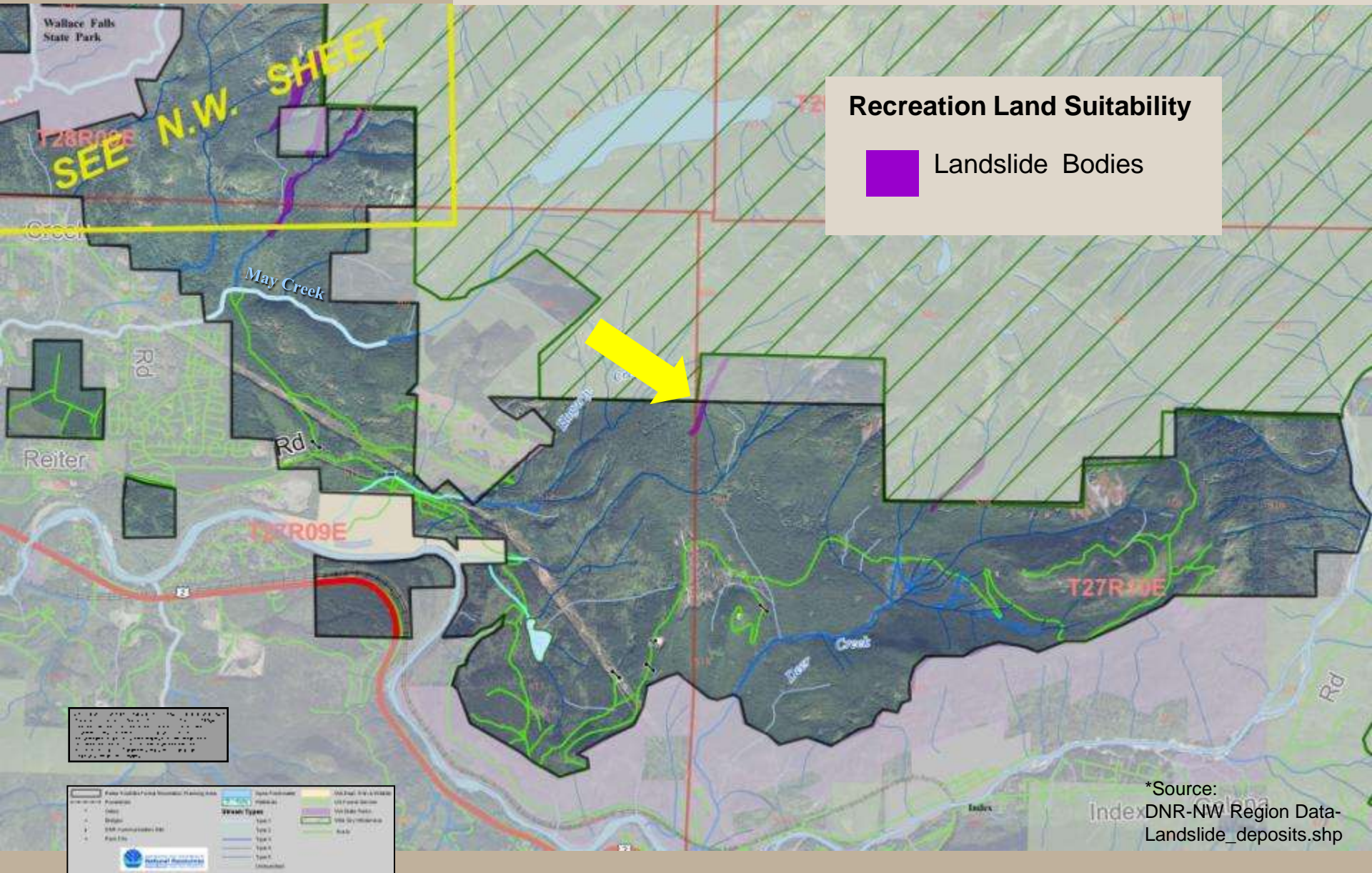


*Source:
Ropa Database- Soils (Erosion Potential).lyr


Recreation Land Suitability

 Landslide Bodies





Recreation Land Suitability

 Landslide Bodies

Map scale: 1 inch = 1 mile
Map projection: UTM
Map datum: NAD 83
Map coordinate system: UTM
Map units: Meter
Map scale: 1:62,500
Map projection: UTM
Map datum: NAD 83
Map coordinate system: UTM
Map units: Meter
Map scale: 1:62,500

Legend

Feature Class	Symbol	Color
Water	Blue line	Blue
Stream	Blue line	Blue
Stream	Blue line	Blue
Stream	Blue line	Blue
Stream	Blue line	Blue
Stream	Blue line	Blue
Stream	Blue line	Blue
Stream	Blue line	Blue
Stream	Blue line	Blue
Stream	Blue line	Blue

Soils Types

Soils Type	Color
Type 1	Light Green
Type 2	Medium Green
Type 3	Dark Green
Type 4	Light Blue
Type 5	Medium Blue
Type 6	Dark Blue
Undetermined	Grey

Other Features

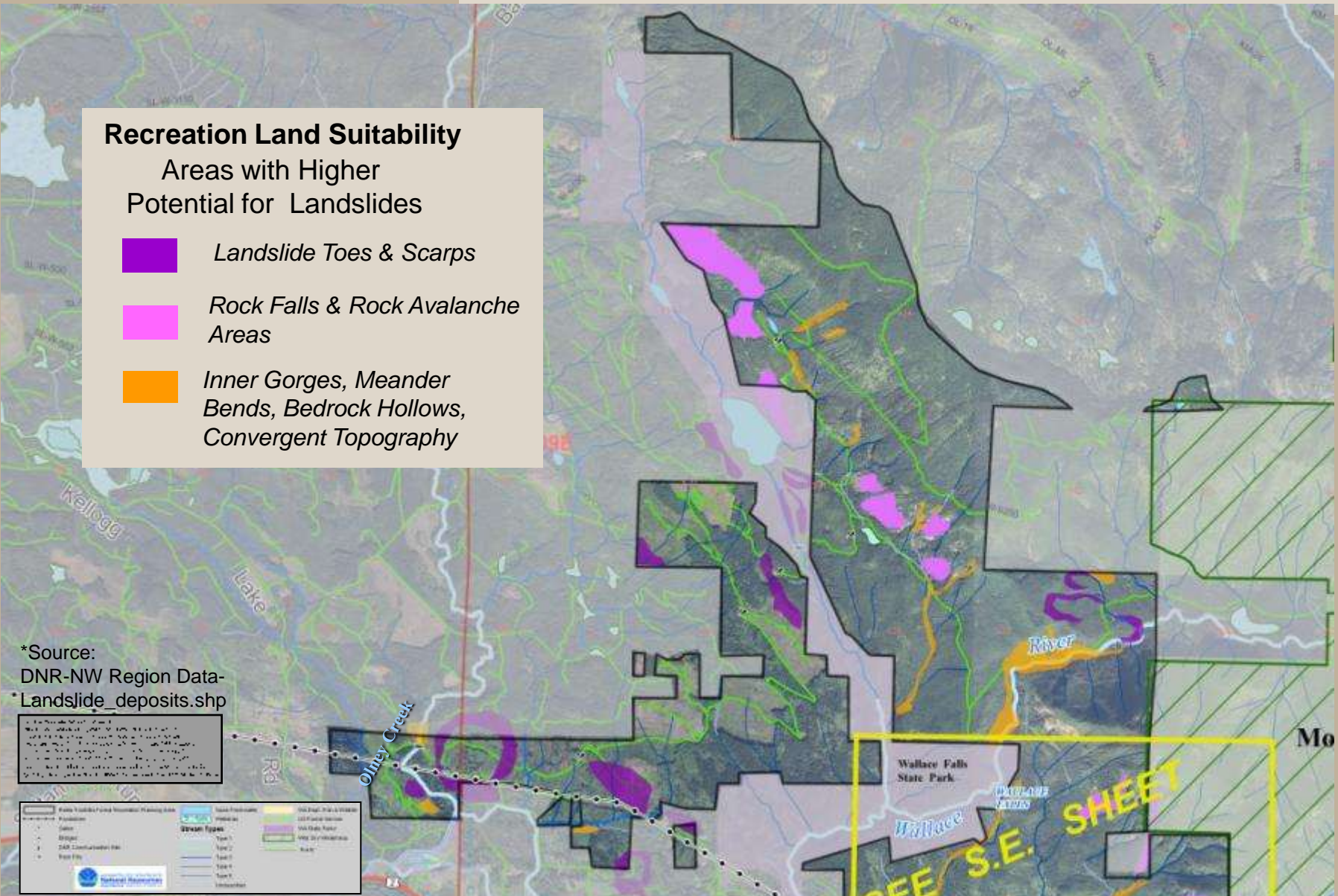
Feature	Color
US Forest Service	Light Green
US State Parks	Light Blue
USDA Wildlife Service	Light Green
Road	Grey

*Source:
DNR-NW Region Data-
Landslide_deposits.shp

Recreation Land Suitability

Areas with Higher
Potential for Landslides

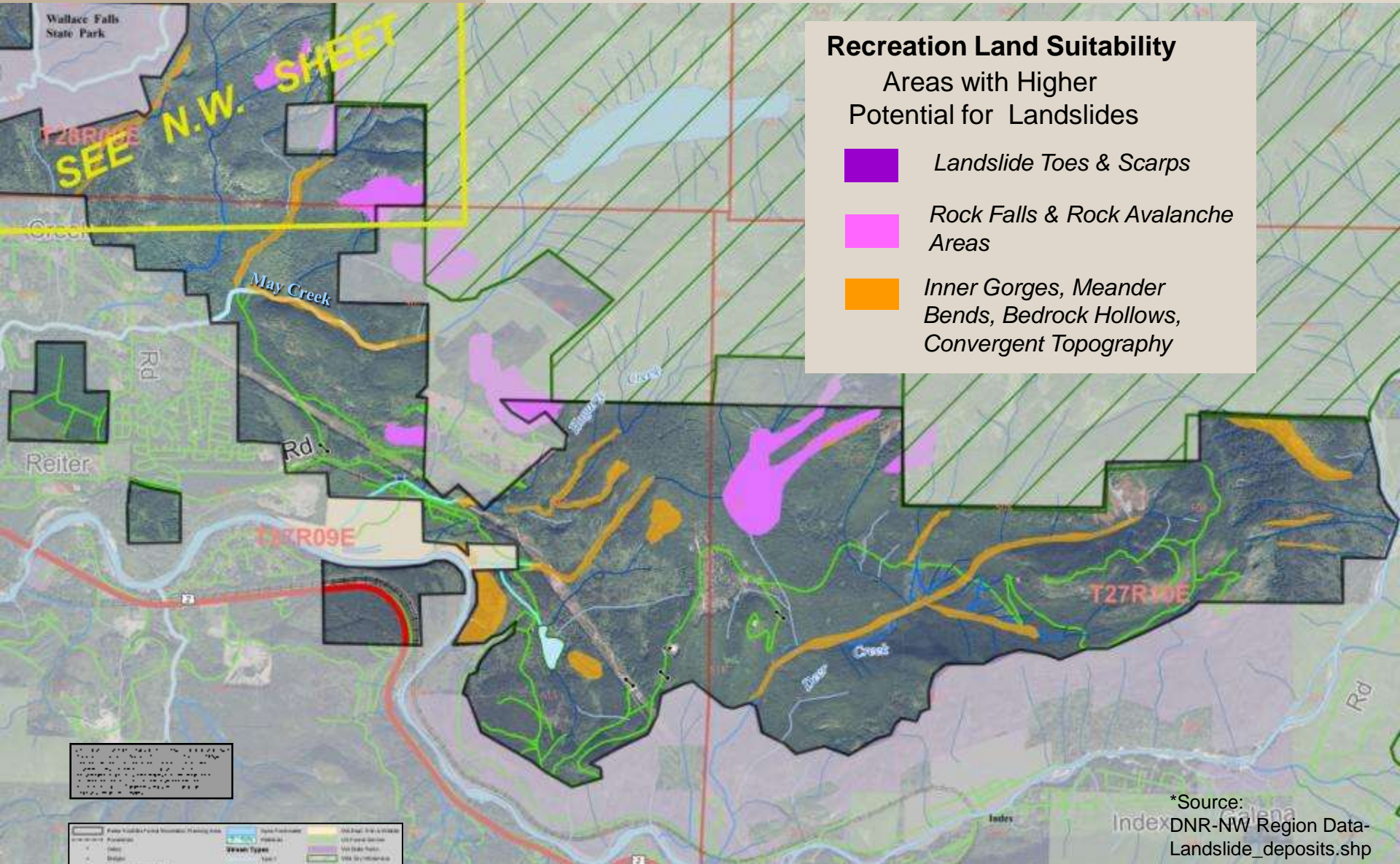
- Landslide Toes & Scarps*
- Rock Falls & Rock Avalanche Areas*
- Inner Gorges, Meander Bends, Bedrock Hollows, Convergent Topography*



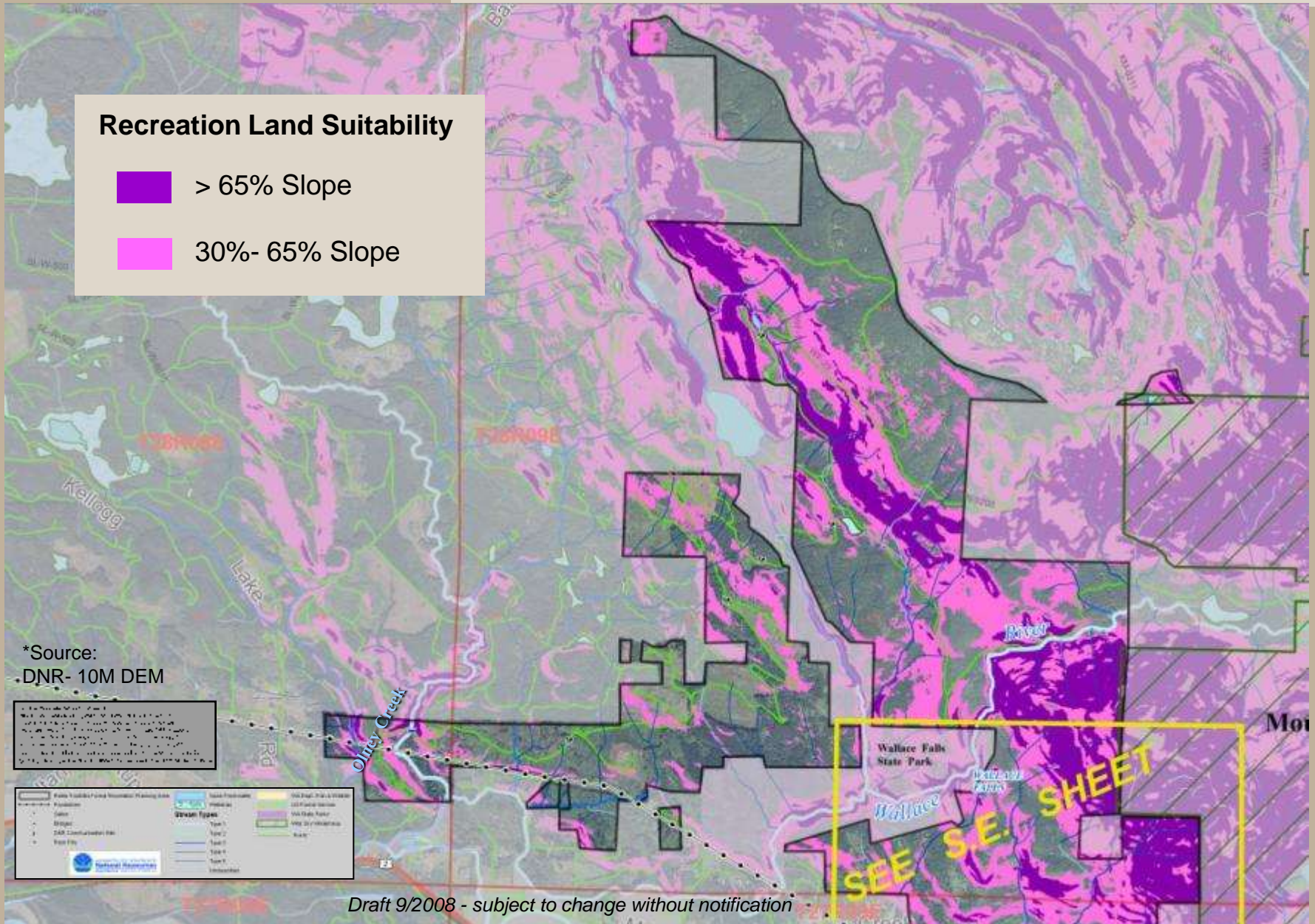
*Source:
DNR-NW Region Data-
Landslide_deposits.shp

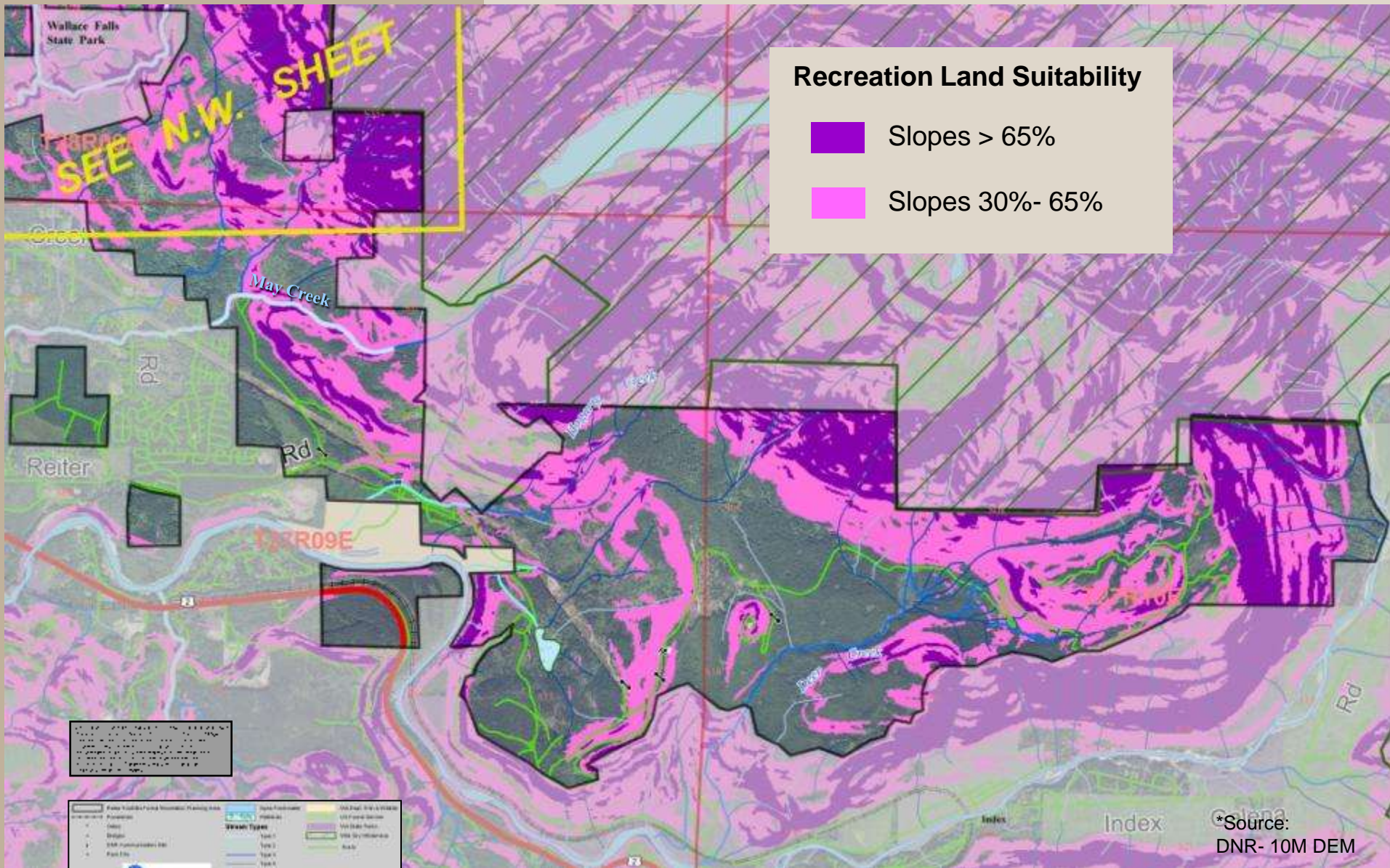
Map of the Reiter Foothills Recreation Plan showing the location of the study area. The map includes a legend for various features such as roads, trails, and water bodies. The study area is highlighted in black.

North	0 1 2 3 4 5 6 7 8 9 10	<ul style="list-style-type: none"> Landslide Toes & Scarps (Purple) Rock Falls & Rock Avalanche Areas (Magenta) Inner Gorges, Meander Bends, Bedrock Hollows, Convergent Topography (Orange) 	<ul style="list-style-type: none"> Soils: Type 1, Type 2, Type 3, Type 4, Type 5, Type 6, Type 7, Type 8, Type 9, Type 10 Geology: G1, G2, G3, G4, G5, G6, G7, G8, G9, G10



*Source:
DNR-NW Region Data-
Landslide_deposits.shp





Reiter Foothills Recreation Plan

SOILS / GEOLOGY

Long-term Considerations

Recreation Land Suitability



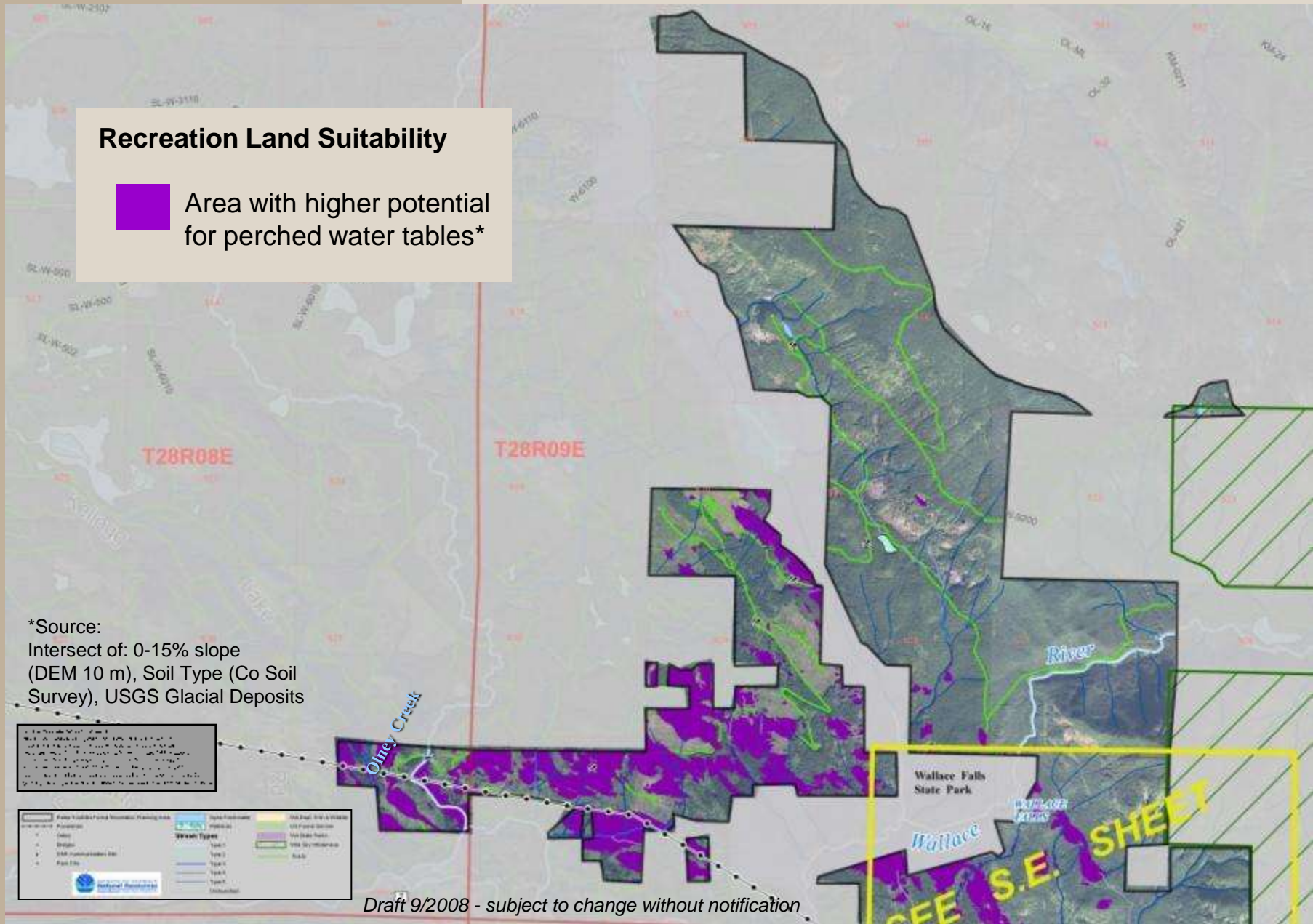
Area with higher potential
for perched water tables*

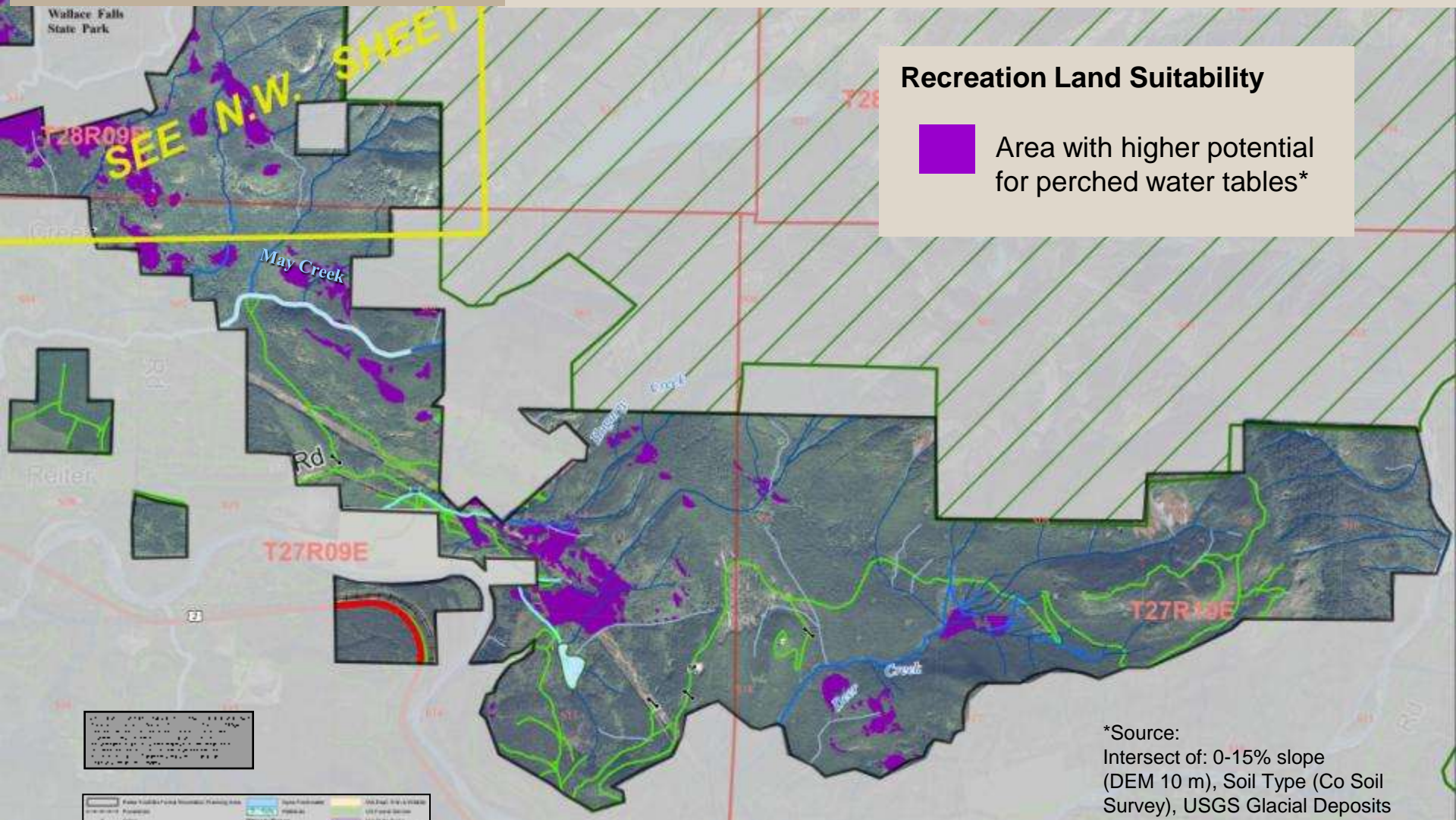
*Source:
Intersect of: 0-15% slope
(DEM 10 m), Soil Type (Co Soil
Survey), USGS Glacial Deposits

Small text box containing technical details or metadata.

Proposed	Forest	Water	USGS
Proposed	Forest	Water	USGS
Proposed	Forest	Water	USGS
Proposed	Forest	Water	USGS

Draft 9/2008 - subject to change without notification





Recreation Land Suitability

Area with higher potential for perched water tables*

*Source:
Intersect of: 0-15% slope
(DEM 10 m), Soil Type (Co Soil
Survey), USGS Glacial Deposits

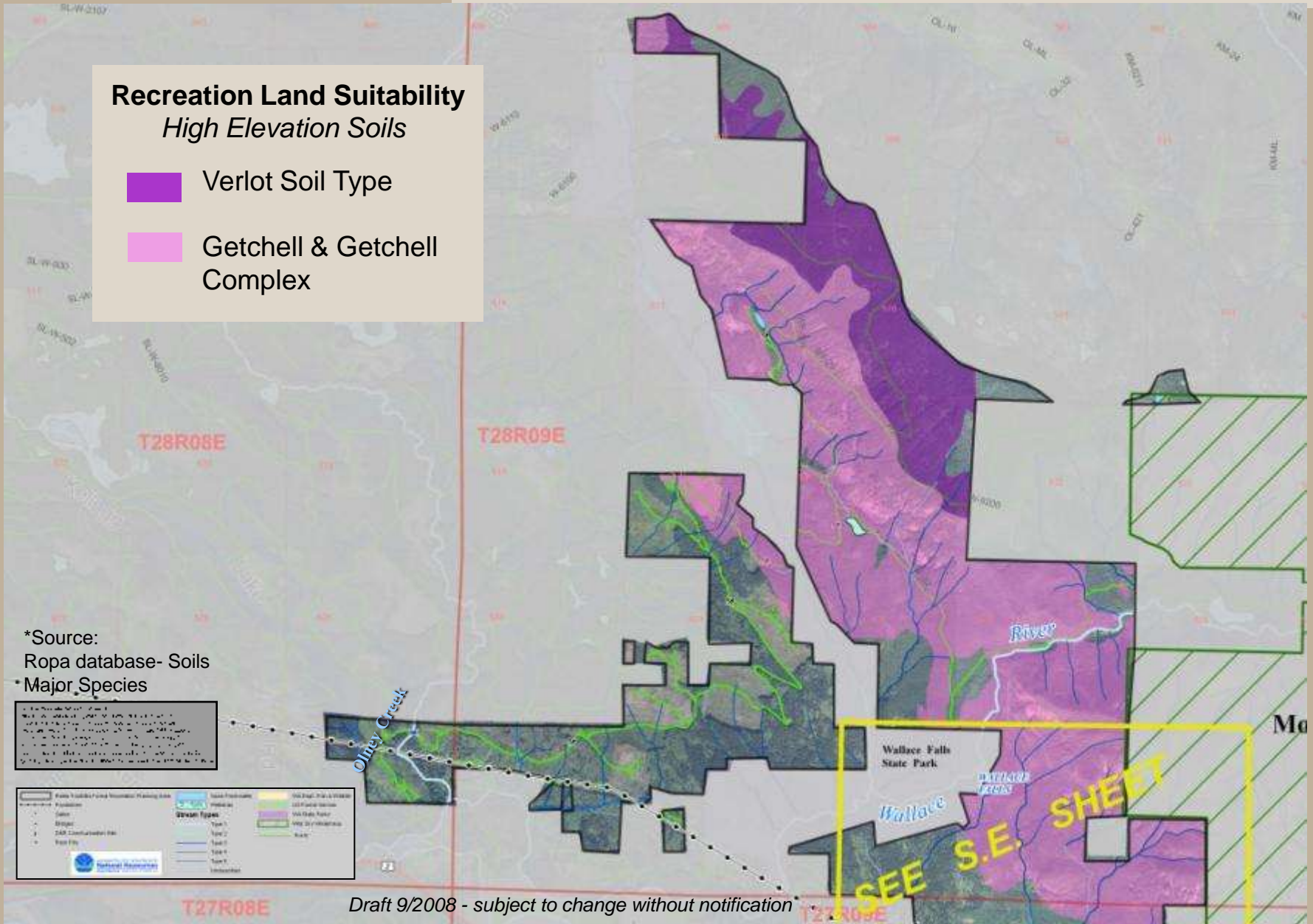
Map of Reiter Foothills Recreation Plan showing Recreation Land Suitability. The map features purple shaded areas indicating higher potential for perched water tables. Key geographical features include May Creek, May Creek Rd, and Wallace Falls State Park. Township and Range designations (T28R09E, T27R09E, T27R10E) are visible. A legend in the top right explains the purple shading. A source note at the bottom right states: '*Source: Intersect of: 0-15% slope (DEM 10 m), Soil Type (Co Soil Survey), USGS Glacial Deposits'

Map Symbols	Soil Types	USGS Symbols
<ul style="list-style-type: none">Wallace Falls State ParkRecreation AreaTrailBoundaryUSGS Topographic DataUSGS Hydrographic Data	<ul style="list-style-type: none">Soil Type ISoil Type IISoil Type IIISoil Type IVSoil Type VSoil Type VISoil Type VIISoil Type VIIISoil Type IXSoil Type XSoil Type XISoil Type XIISoil Type XIIISoil Type XIVSoil Type XVSoil Type XVISoil Type XVIISoil Type XVIIISoil Type XIXSoil Type XXSoil Type XXISoil Type XXIISoil Type XXIIISoil Type XXIVSoil Type XXVSoil Type XXVISoil Type XXVIISoil Type XXVIIISoil Type XXIXSoil Type XXX	<ul style="list-style-type: none">USGS Symbol AUSGS Symbol BUSGS Symbol CUSGS Symbol DUSGS Symbol EUSGS Symbol FUSGS Symbol GUSGS Symbol HUSGS Symbol IUSGS Symbol JUSGS Symbol KUSGS Symbol LUSGS Symbol MUSGS Symbol NUSGS Symbol OUSGS Symbol PUSGS Symbol QUSGS Symbol RUSGS Symbol SUSGS Symbol TUSGS Symbol UUSGS Symbol VUSGS Symbol WUSGS Symbol XUSGS Symbol YUSGS Symbol Z

Reiter Foothills Recreation Plan

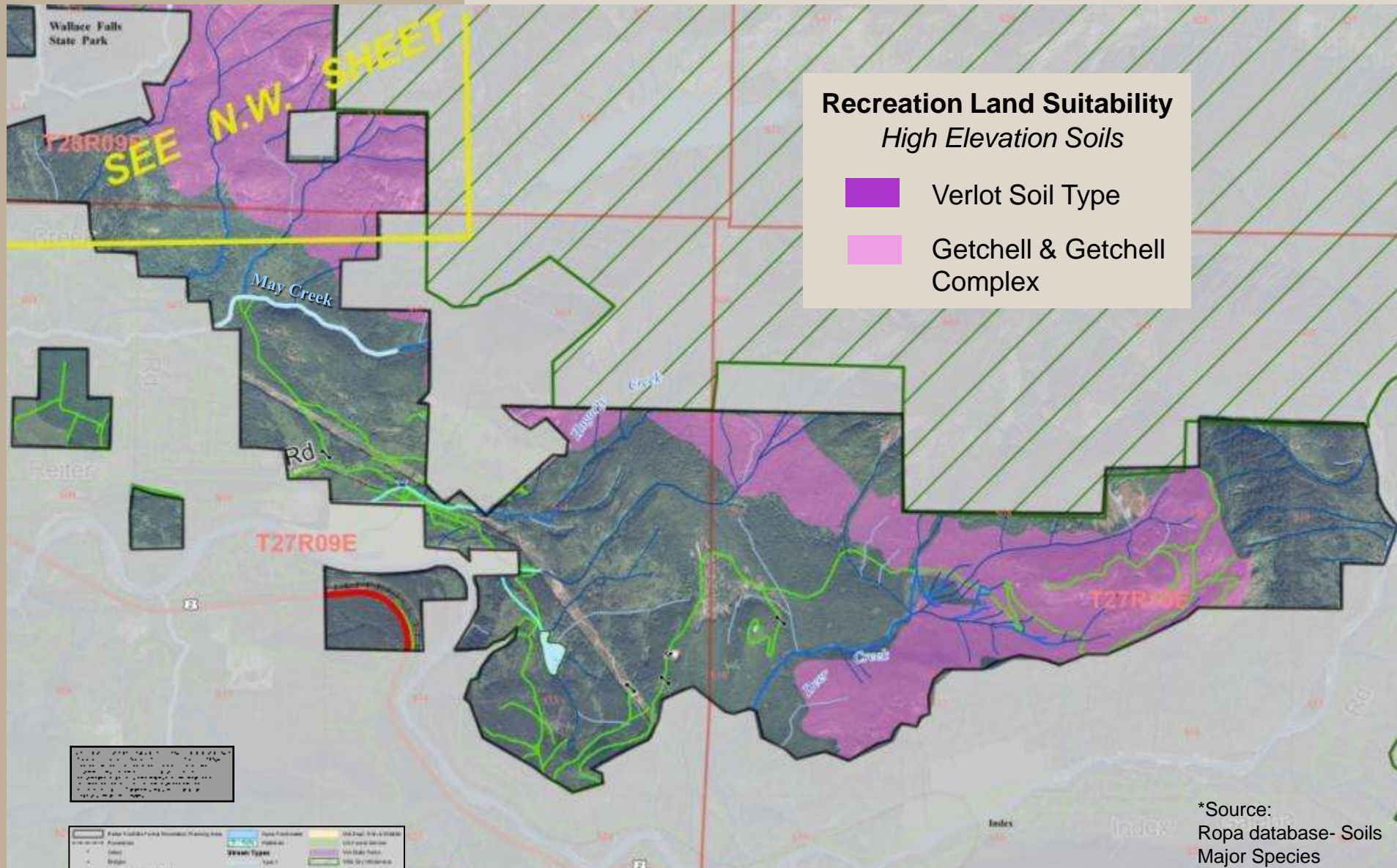
SOILS / GEOLOGY

Long-term Considerations




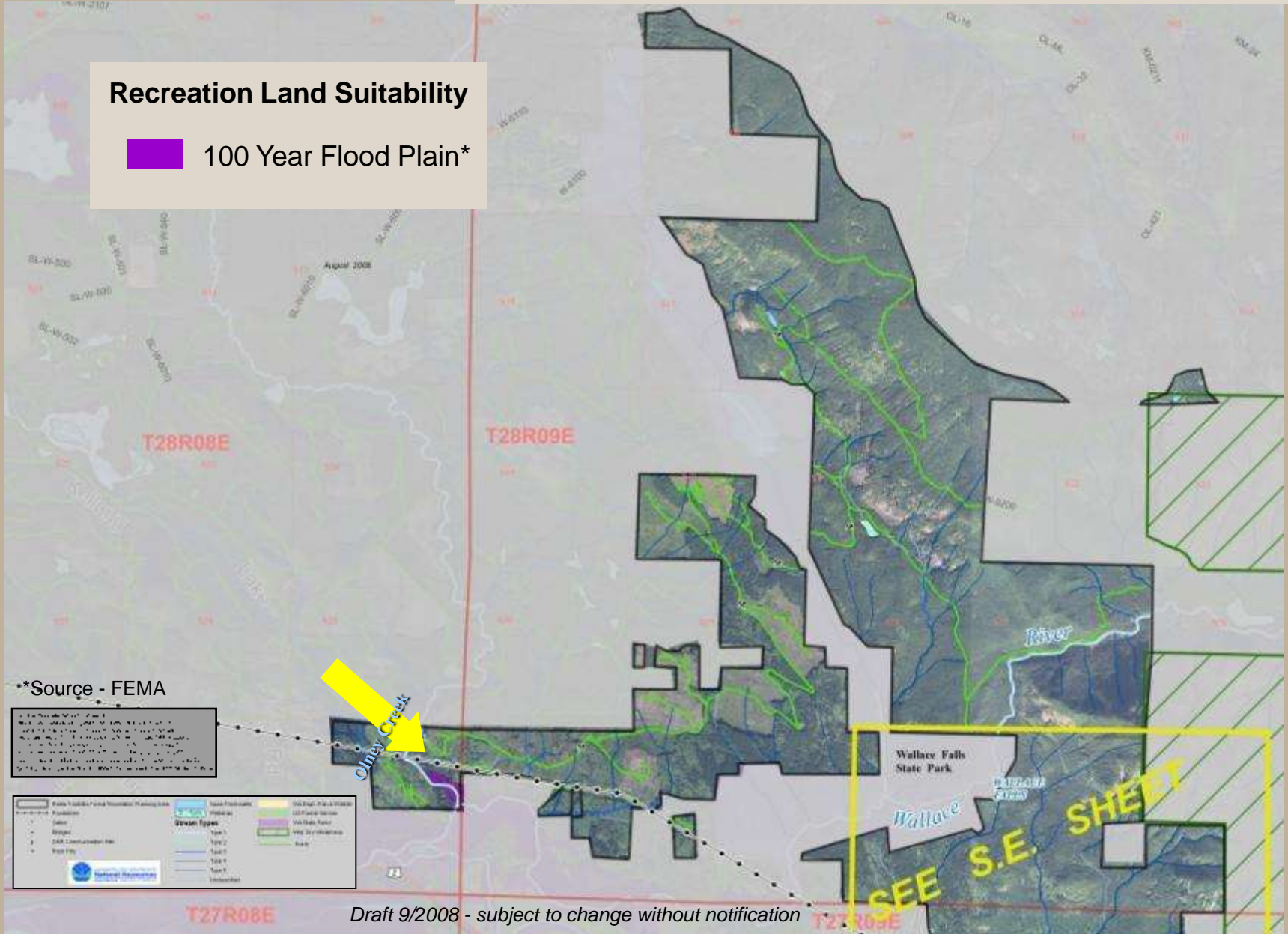
SOILS / GEOLOGY

Long-term Considerations



Recreation Land Suitability

 100 Year Flood Plain*



*Source - FEMA

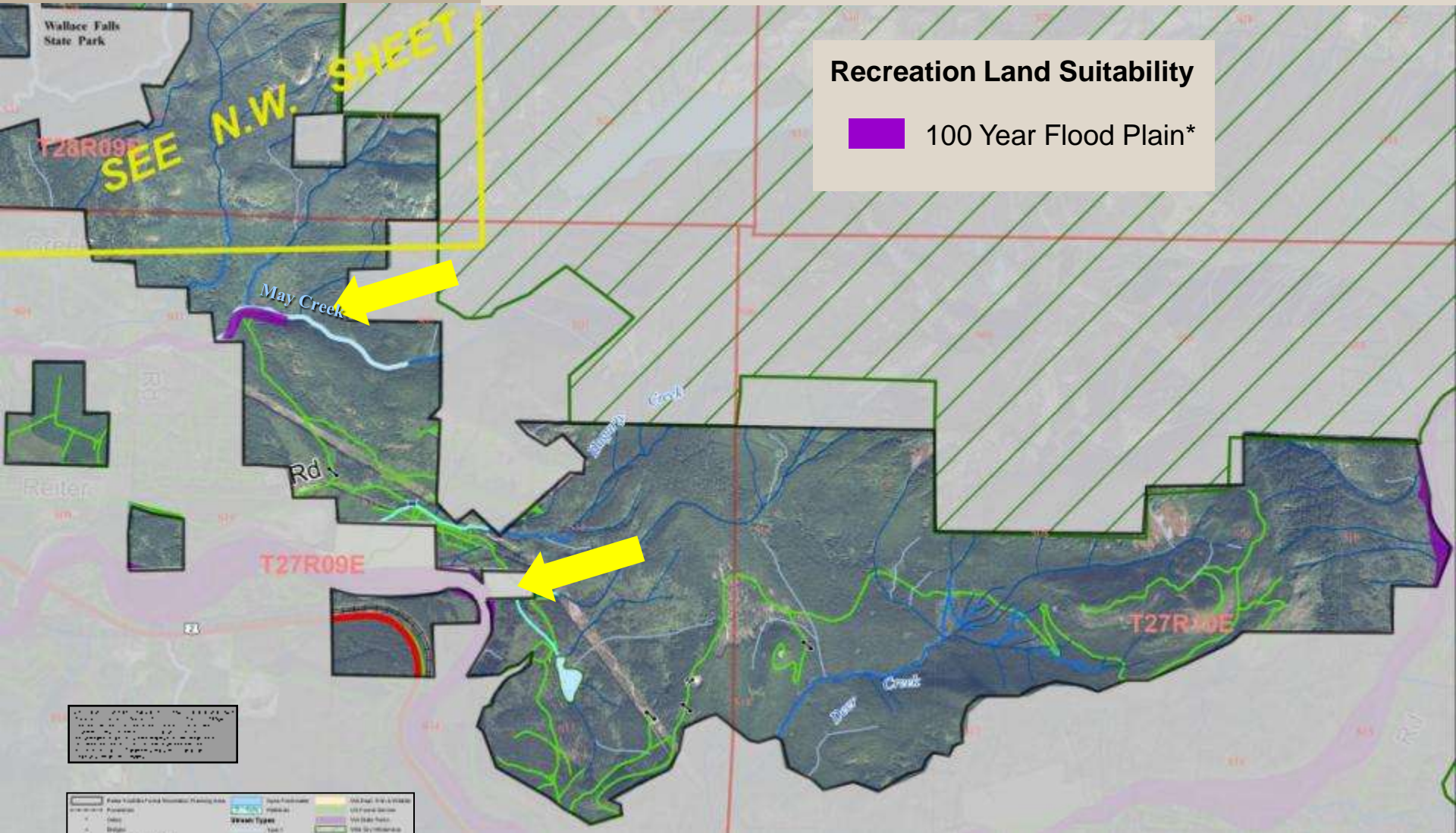
Map of the Reiter Foothills Recreation Planning Area showing the 100 Year Flood Plain. The map is overlaid with a grid of Township and Range coordinates (T27R08E, T27R09E, T28R08E, T28R09E). A yellow arrow points to Olney Creek. A yellow box highlights the area labeled 'SEE S.E. SHEET'. Wallace Falls State Park is also indicated. A legend in the bottom left corner provides details on symbols and data sources. A source note in the bottom left corner states '*Source - FEMA'. The map includes various symbols for roads, trails, and other features. The text 'Draft 9/2008 - subject to change without notification' is at the bottom center. The text 'SEE S.E. SHEET' is written in large yellow letters in the bottom right corner.

Legend	Water Features	Soil Types
Symbol	Symbol	Symbol
Circle	Blue	Green
Square	Blue	Green
Triangle	Blue	Green
Star	Blue	Green
Diamond	Blue	Green
Circle with dot	Blue	Green
Square with dot	Blue	Green
Triangle with dot	Blue	Green
Star with dot	Blue	Green
Diamond with dot	Blue	Green
Circle with cross	Blue	Green
Square with cross	Blue	Green
Triangle with cross	Blue	Green
Star with cross	Blue	Green
Diamond with cross	Blue	Green


SEE S.E. SHEET

SOILS / GEOLOGY

Long-term Considerations



Recreation Land Suitability

 100 Year Flood Plain*

1. This map was prepared by the National Resources Planning Board (NRPB) for the Reiter Foothills Recreation Plan. It is a preliminary map and should not be used for any purpose other than the one for which it was prepared. It is subject to change without notice.

	Project Boundary		Soil Type		100 Year Flood Plain
	Road		Soil Type		500 Year Flood Plain
	Water Feature		Soil Type		100 Year Flood Plain
	Park Site		Soil Type		100 Year Flood Plain
	Soil Type		Soil Type		100 Year Flood Plain
	Soil Type		Soil Type		100 Year Flood Plain
	Soil Type		Soil Type		100 Year Flood Plain
	Soil Type		Soil Type		100 Year Flood Plain
	Soil Type		Soil Type		100 Year Flood Plain
	Soil Type		Soil Type		100 Year Flood Plain

*Source - FEMA

Reiter Foothills Recreation Plan

Suitability Matrix- DRAFT

SOILS & GEOLOGIC CRITERIA- Long Term Considerations

	Recreation Facilities	Recreation Trails
Soils with high erosion potential	Low Suitability	Low Suitability
Landslide bodies	Moderate Suitability	Moderate Suitability
Areas with higher potential for landslides*	Low Suitability	Low Suitability
Slope percentage	Low Suitability in areas >30% slope Moderate Suitability in areas 15%- 30 % slope	Low Suitability in areas >65% slope Moderate Suitability in areas 30%- 65 % slope
Areas with higher potential for perched water tables**	Moderate Suitability	Moderate Suitability
High elevation soils- Verlot & Getchell & Getchell Complex	Low Suitability- Verlot Soil Moderate Suitability- Getchell & Getchell Complex Soils	Low Suitability for non-motorized and motorized multiple use trails on Verlot Soil Moderate Suitability for hiker only trails on Verlot Soil Moderate Suitability for all trails on Getchell & Getchell Complex Soils
100 year flood plains	Low Suitability	Low Suitability

*Toes & Scarps of Landslides, Inner Gorges, Rock Falls, Rock Avalanches, Outsides of Meander Bends, Bedrock Hollows, Convergent Topography

**In addition to perched water tables, soils with poor drainage and small wetlands may be evident at a site specific level and should be avoided.

Draft 9-08 Subject to change without notice. This matrix is based on information available to date. All data is subject to field verification.

Soils & Geology Composite Categories

Recreation Facilities

Hiker Only Trails


**Non Motorized Trails &
Motorized Trails**

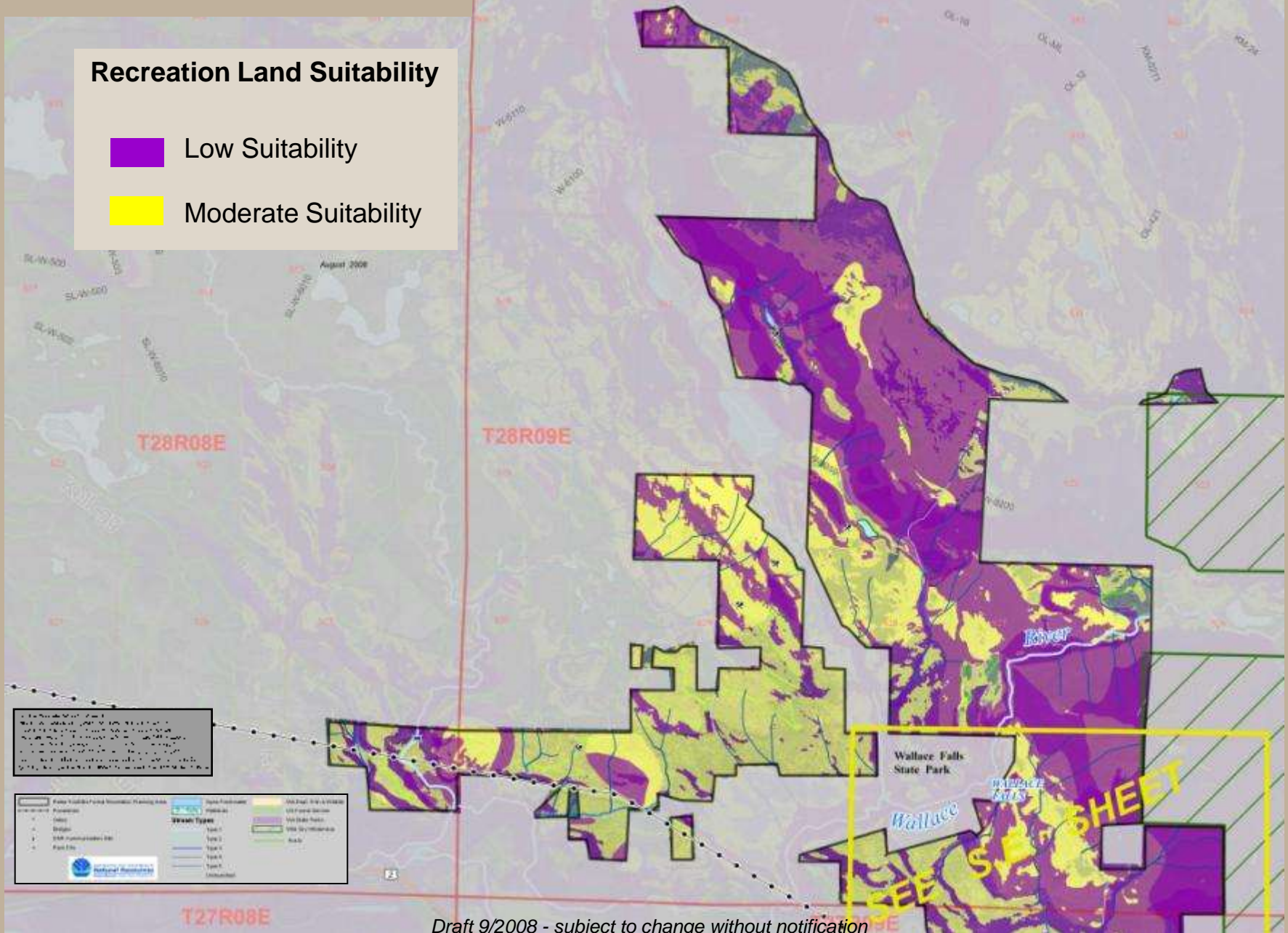
Reiter Foothills Recreation Plan

SOILS / GEOLOGY COMPOSITE for Recreation Facilities

Recreation Land Suitability

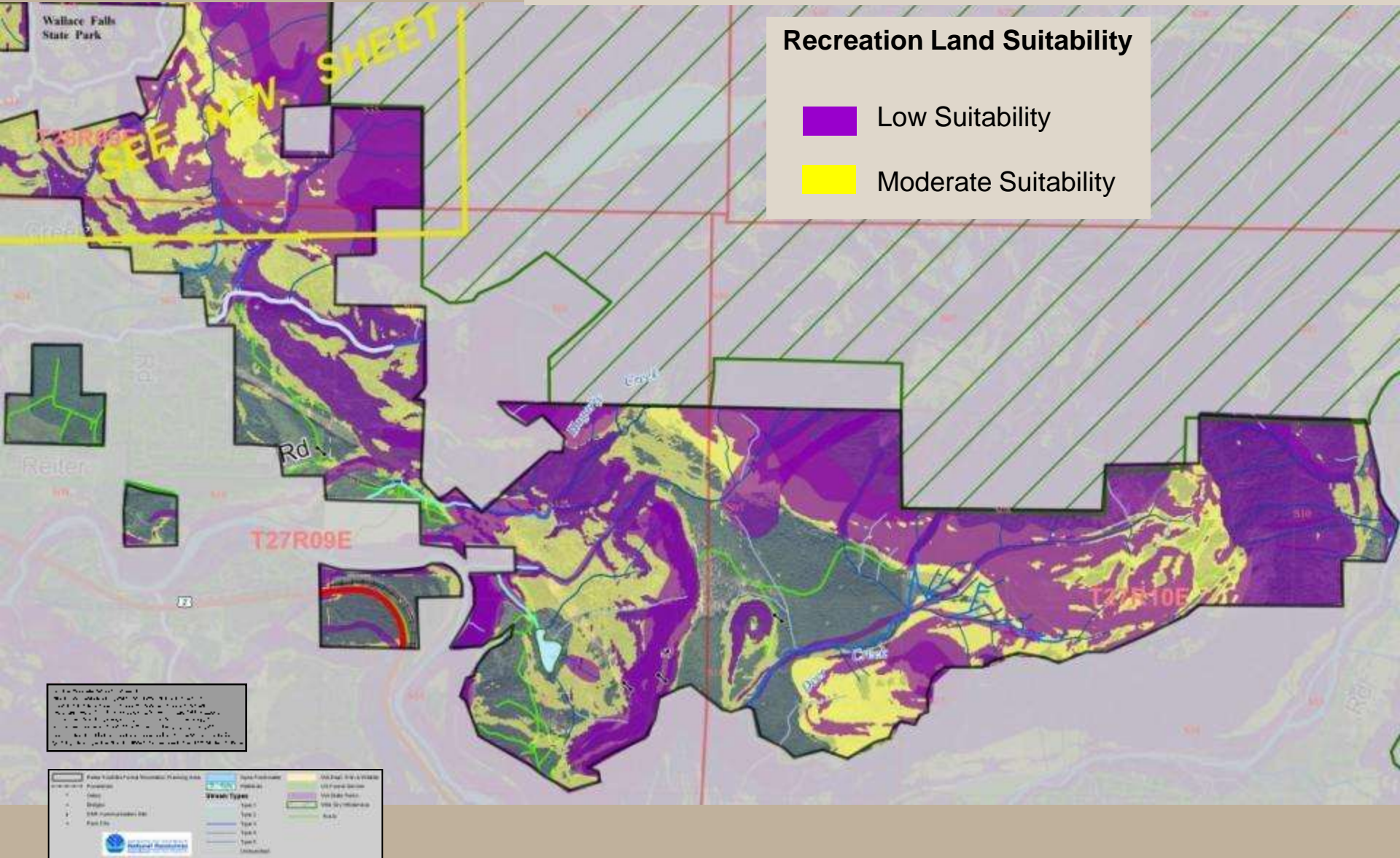
 Low Suitability

 Moderate Suitability



Reiter Foothills Recreation Plan

SOILS / GEOLOGY COMPOSITE for Recreation Facilities




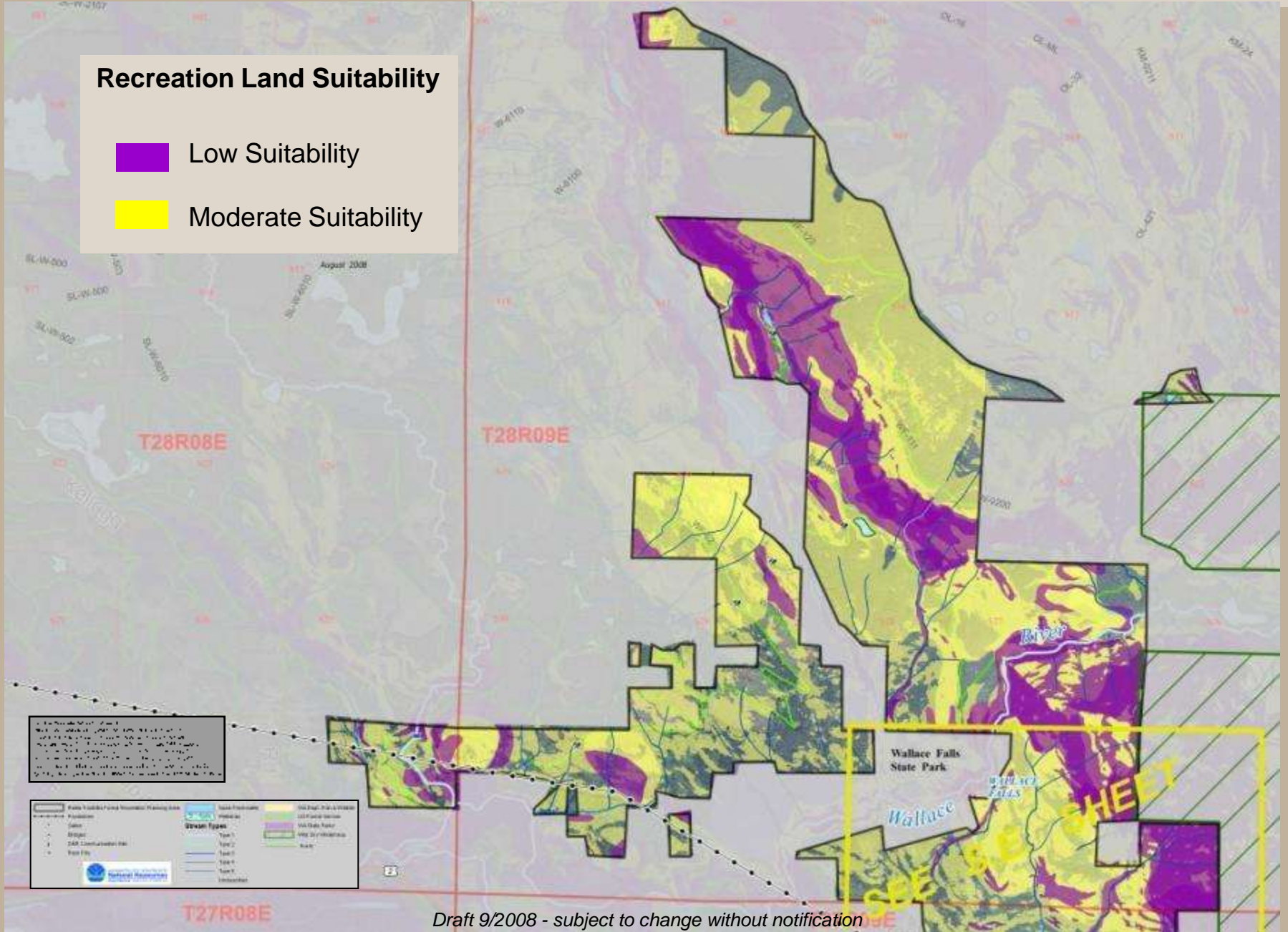
Reiter Foothills Recreation Plan

SOILS / GEOLOGY COMPOSITE for Hiker Only Trails

Recreation Land Suitability

 Low Suitability

 Moderate Suitability



Map of Wallace Falls State Park Recreation Planning Area
This map is intended to provide a general overview of the Wallace Falls State Park Recreation Planning Area. It is not intended to be used as a legal document or to determine property boundaries. The map is based on the best available information and is subject to change without notification.

	State Park Boundary		Wallace River
	Wallace Falls State Park		Wallace Falls
	Wallace Falls State Park		Wallace Falls
	Wallace Falls State Park		Wallace Falls
	Wallace Falls State Park		Wallace Falls


Reiter Foothills Recreation Plan

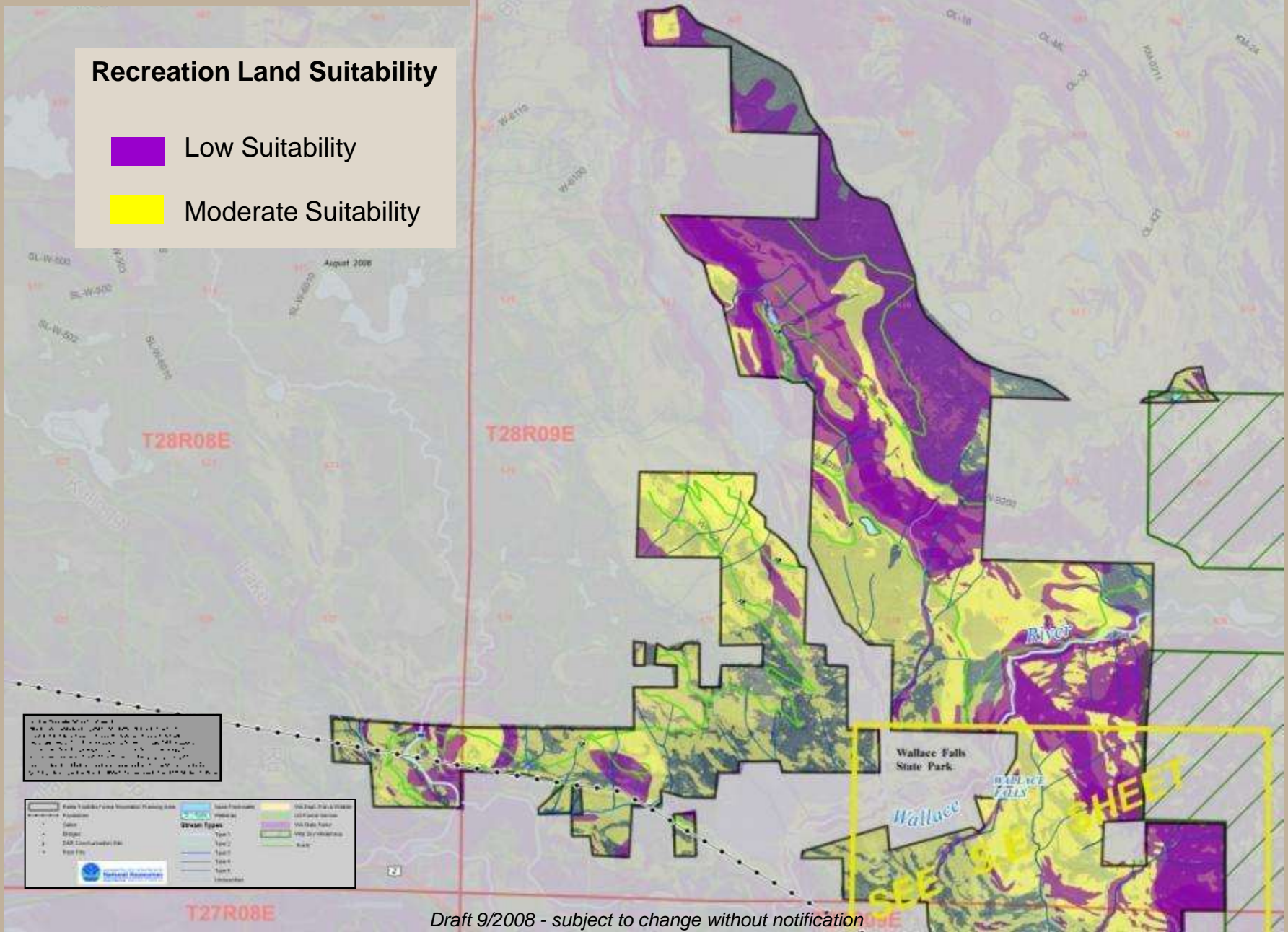
SOILS / GEOLOGY COMPOSITE

for Non Motorized & Motorized Trails

Recreation Land Suitability

 Low Suitability

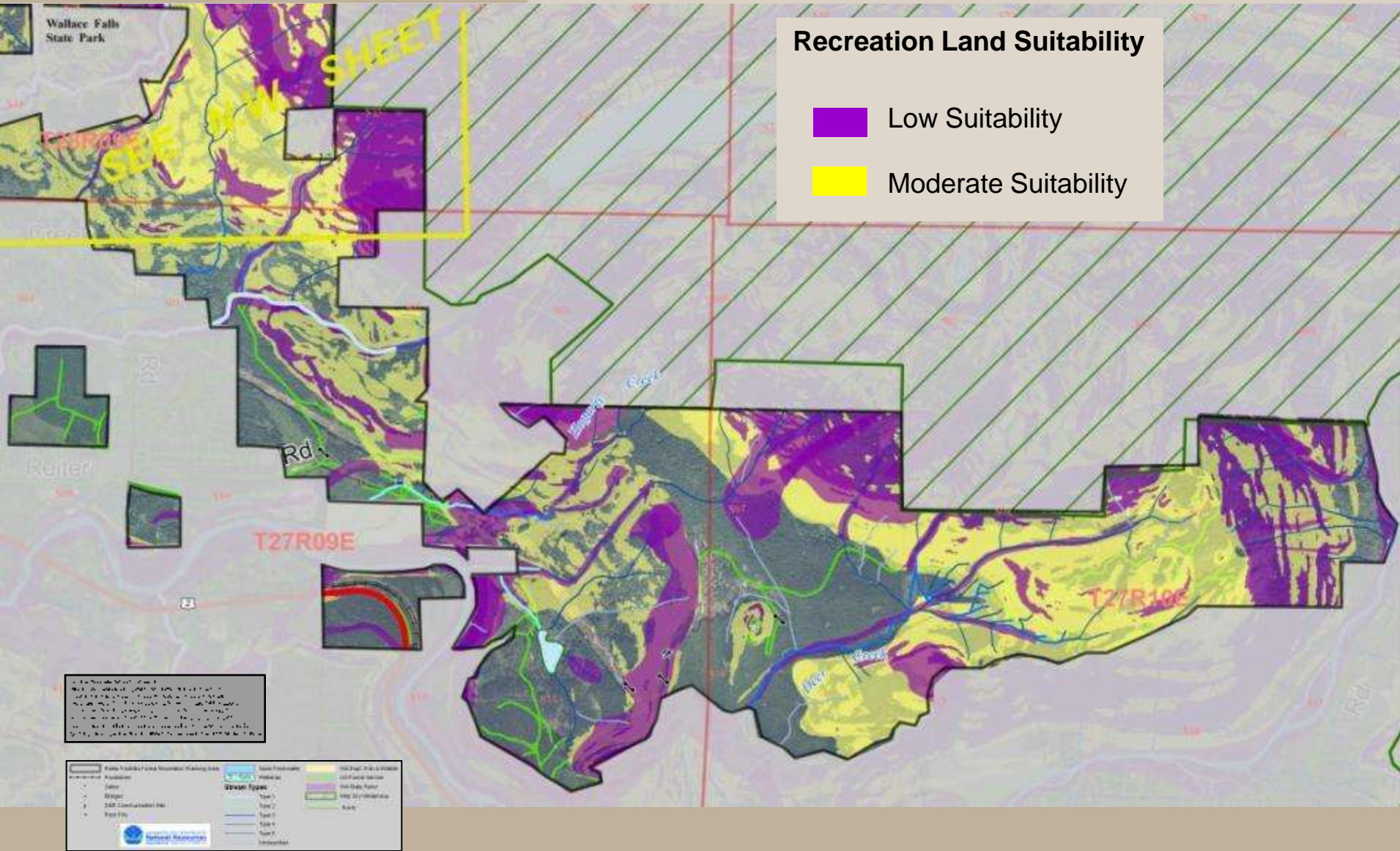
 Moderate Suitability



Reiter Foothills Recreation Plan

SOILS / GEOLOGY COMPOSITE

for Non Motorized & Motorized Trails



Questions?
