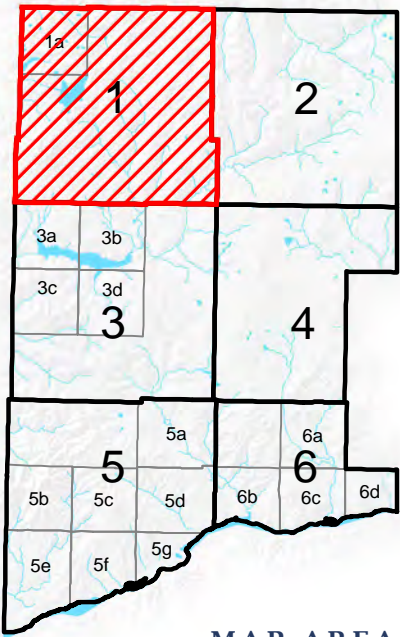
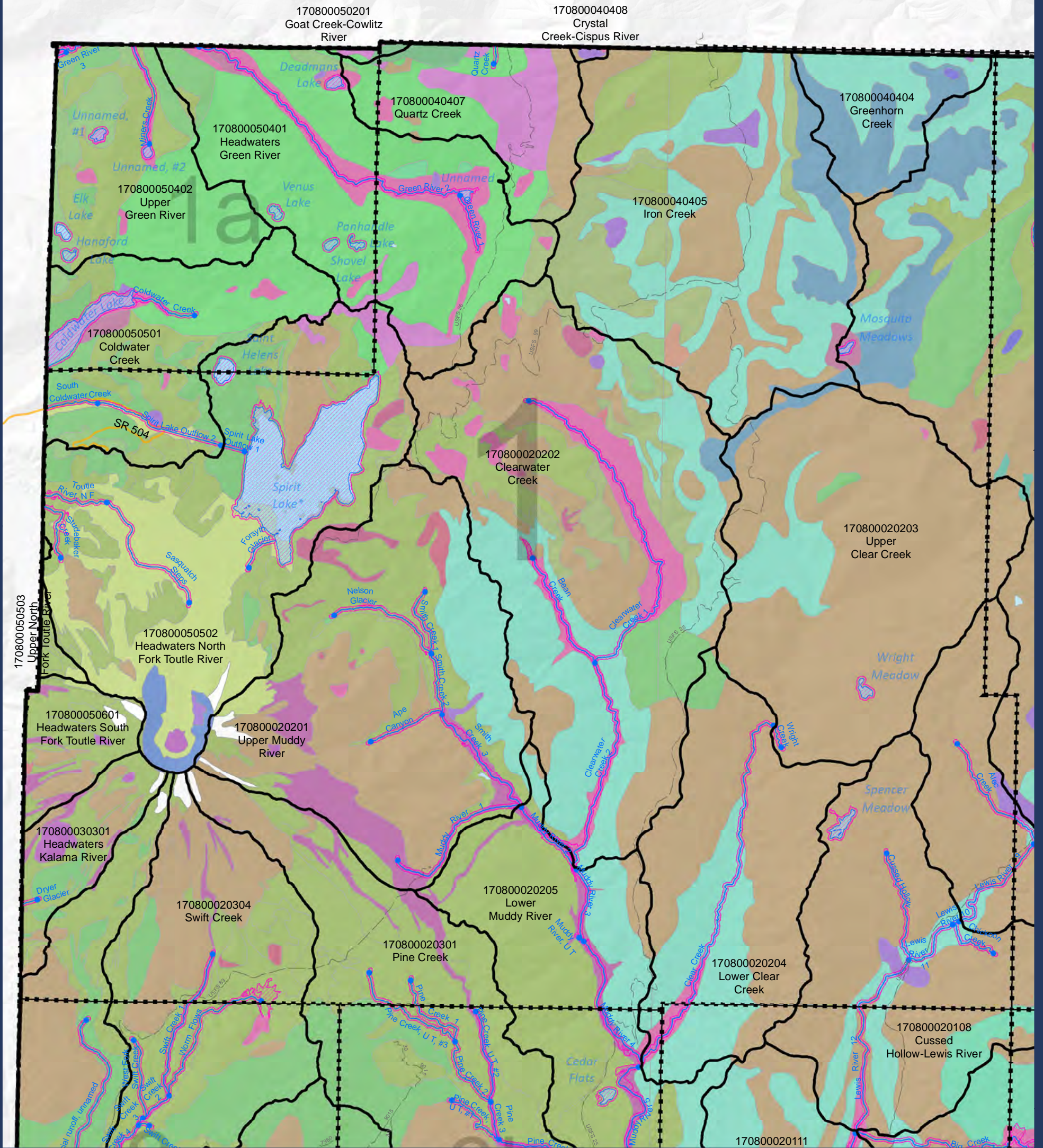
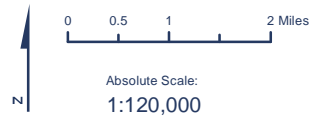


Map 2: Physical Characteristics

Surface Geology



MAP AREA



LEGEND:

- Approximate Shoreline Area (reaches)
- HUC 12 Boundary
- Streams (Reach breaks at dots)
- Lakes
- Map index grid
- Skamania County boundary
- Nat'l Scenic Area Bndy
- Urban Area Bndy
- City Limits
- Extended City Jurisdiction
- State highway
- Local road
- Forest road

* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

SKAMANIA COUNTY
Department of Assessment
and GIS



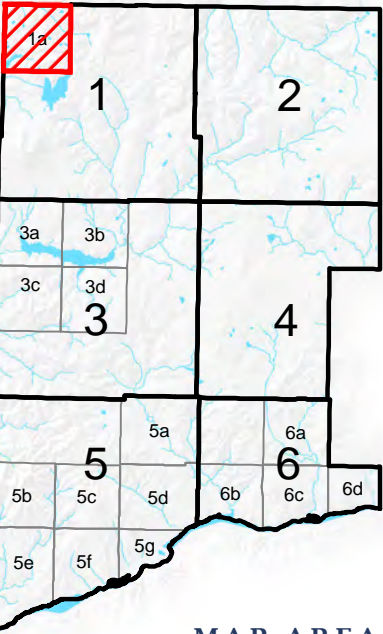
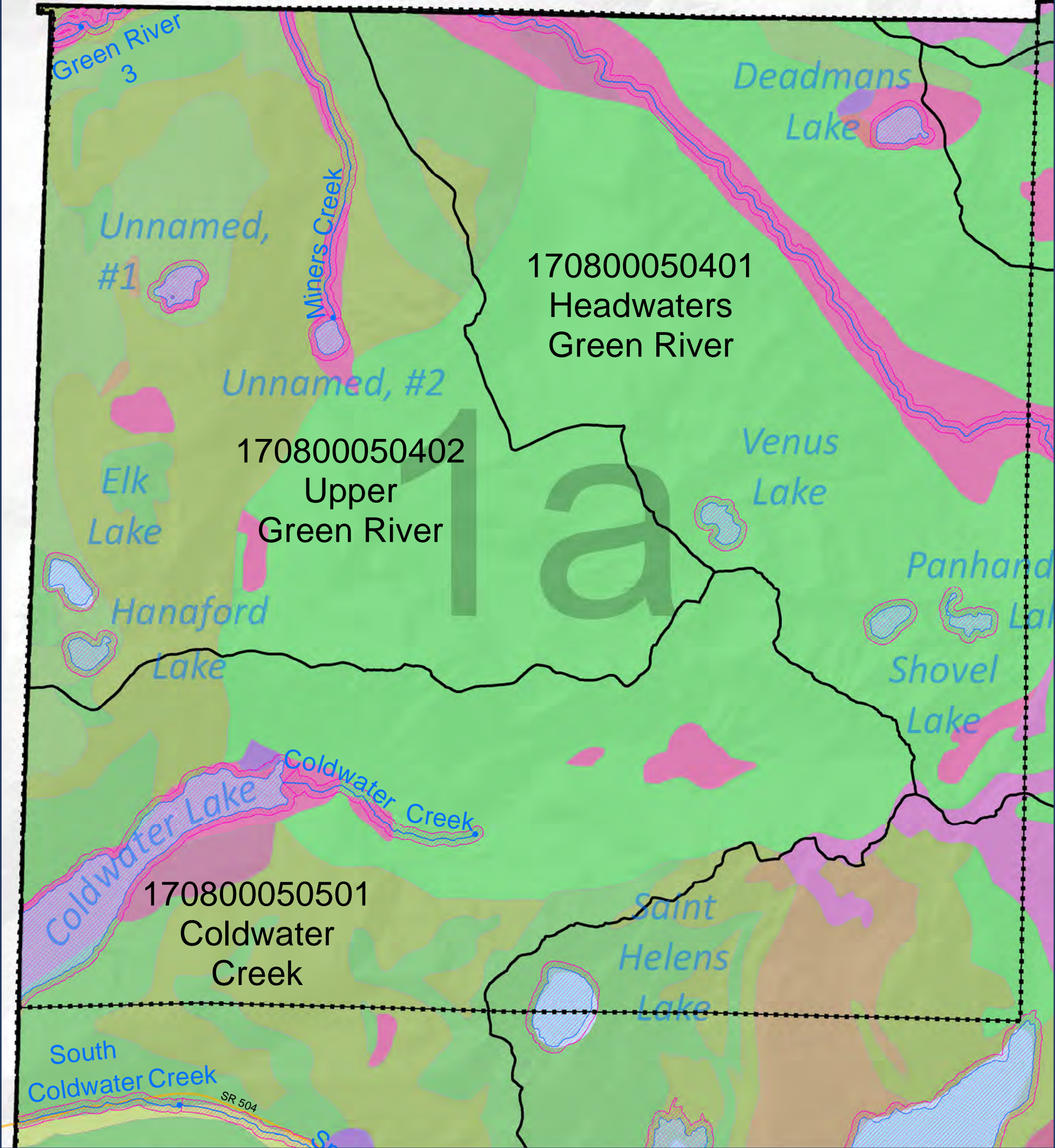
DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

-Map 02-
Physical
Characteristics:
Surface Geology

Sheet 1

170800050201
Goat Creek-Cowlitz
River



MAP AREA



LEGEND:

- Approximate Shoreline Area (reaches)
- HUC 12 Boundary
- Streams (Reach breaks at dots)
- Lakes
- Map index grid
- Skamania County boundary
- Nat'l Scenic Area Bndy
- Urban Area Bndy
- City Limits
- Extended City Jurisdiction
- State highway
- Local road
- Forest road

* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

SKAMANIA COUNTY
Department of Assessment
and GIS

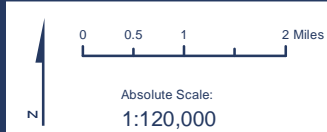
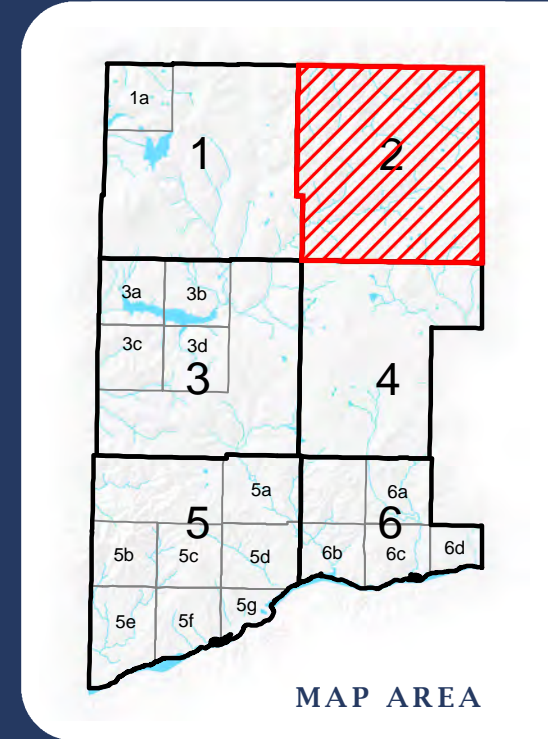
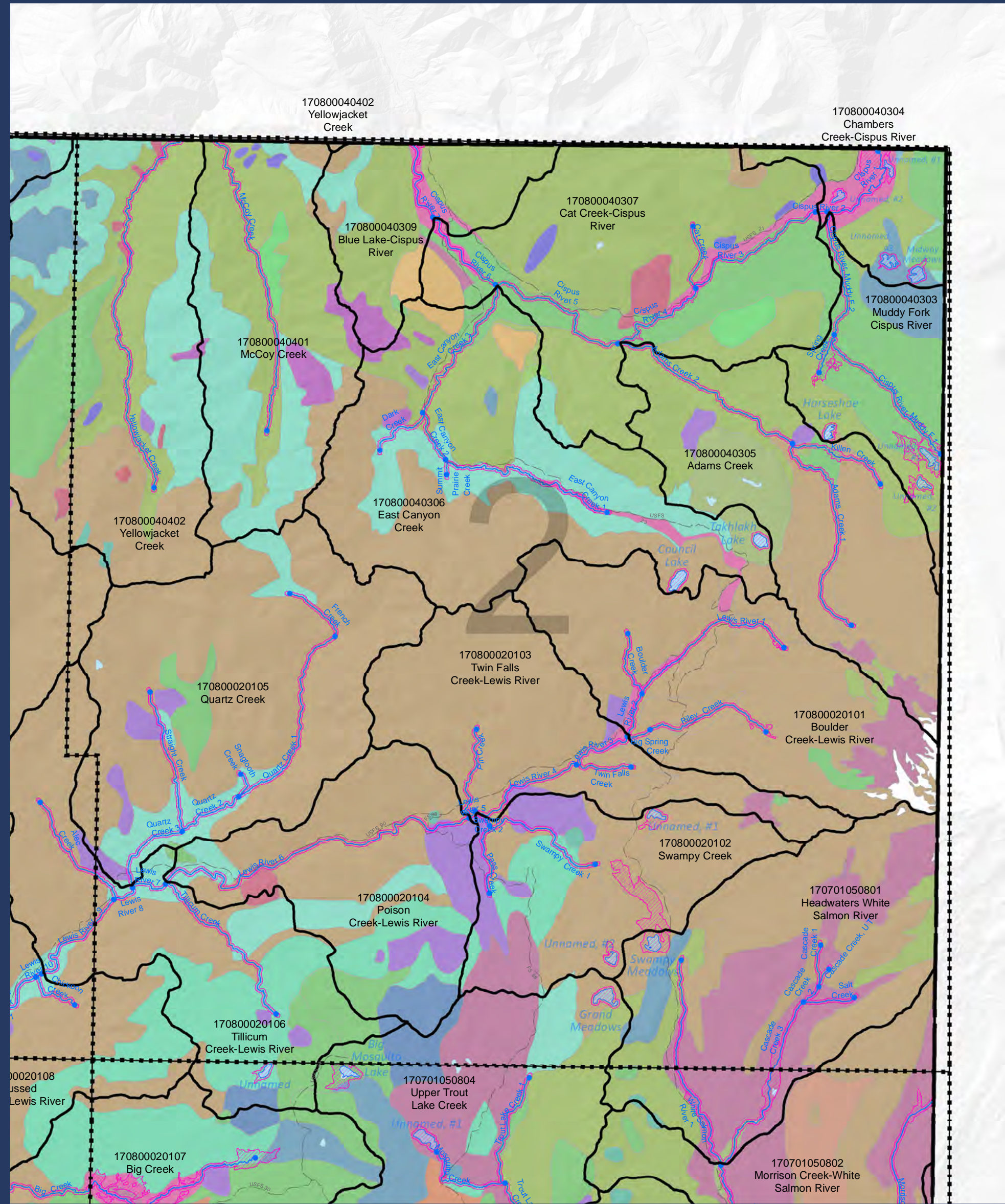


DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

-Map 02-
Physical
Characteristics:
Surface Geology

Sheet 1a



LEGEND:

- Approximate Shoreline Area (reaches)
- HUC 12 Boundary
- Streams (Reach breaks at dots)
- Lakes
- Map index grid
- Skamania County boundary
- Nat'l Scenic Area Bndy
- Urban Area Bndy
- City Limits
- Extended City Jurisdiction
- State highway
- Local road
- Forest road

* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

SKAMANIA COUNTY
Department of Assessment
and GIS

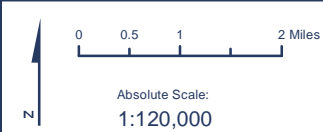
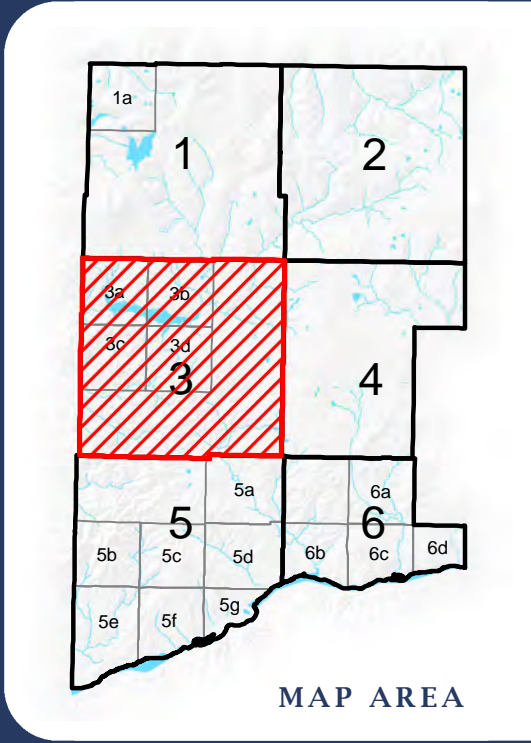
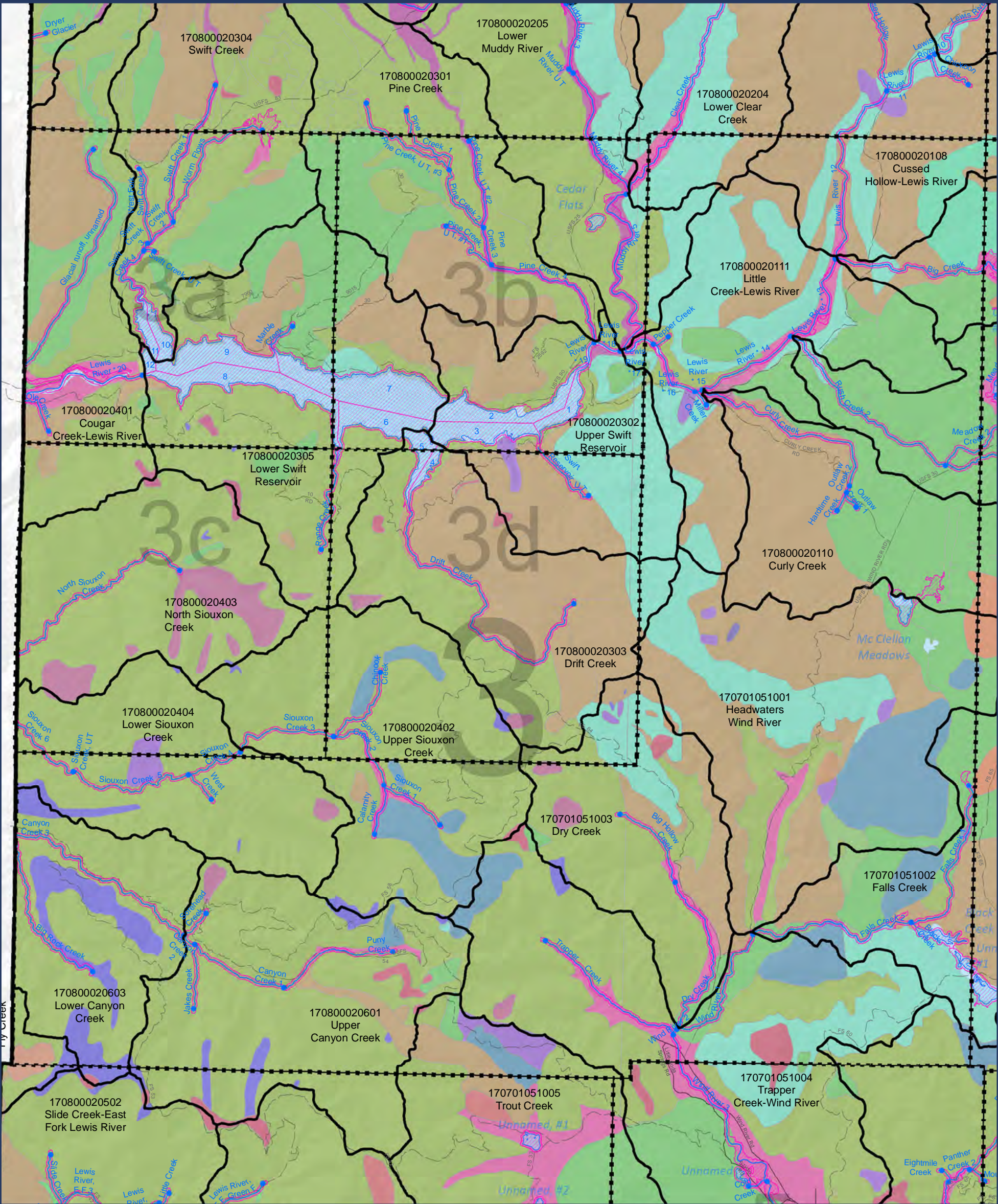


DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

**-Map 02-
Physical
Characteristics:
Surface Geology**

Sheet 2



LEGEND:

- Approximate Shoreline Area (reaches)
- HUC 12 Boundary
- Streams (Reach breaks at dots)
- Lakes
- Map index grid
- Skamania County boundary
- Nat'l Scenic Area Bndy
- Urban Area Bndy
- City Limits
- Extended City Jurisdiction
- State highway
- Local road
- Forest road

* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

SKAMANIA COUNTY
Department of Assessment
and GIS

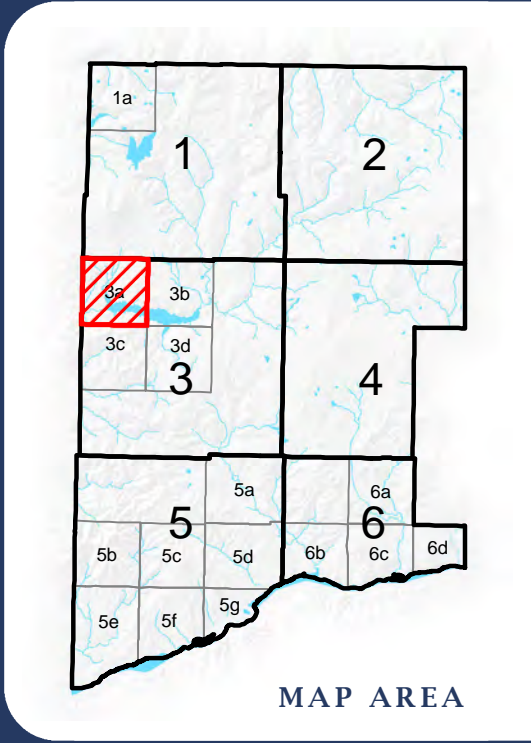
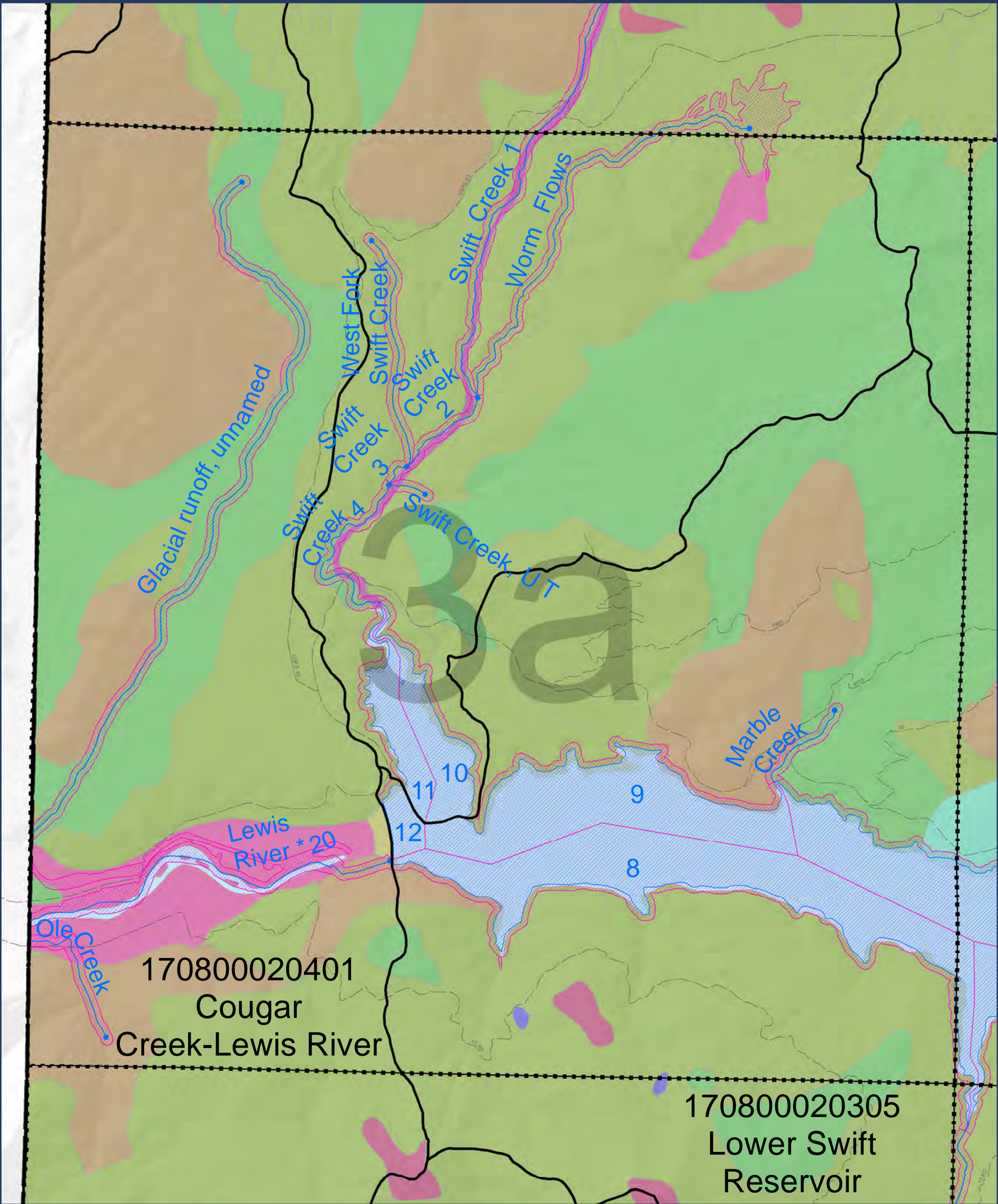


DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

**-Map 02-
Physical
Characteristics:
Surface Geology**

Sheet 3



LEGEND:

- Approximate Shoreline Area (reaches)
- HUC 12 Boundary
- Streams (Reach breaks at dots)
- Lakes
- Map index grid
- Skamania County boundary
- Nat'l Scenic Area Bndy
- Urban Area Bndy
- City Limits
- Extended City Jurisdiction
- State highway
- Local road
- Forest road

* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

SKAMANIA COUNTY
Department of Assessment
and GIS

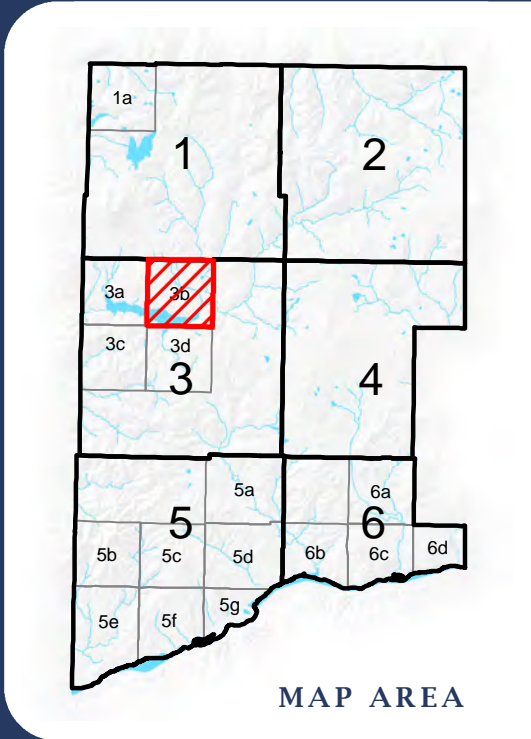
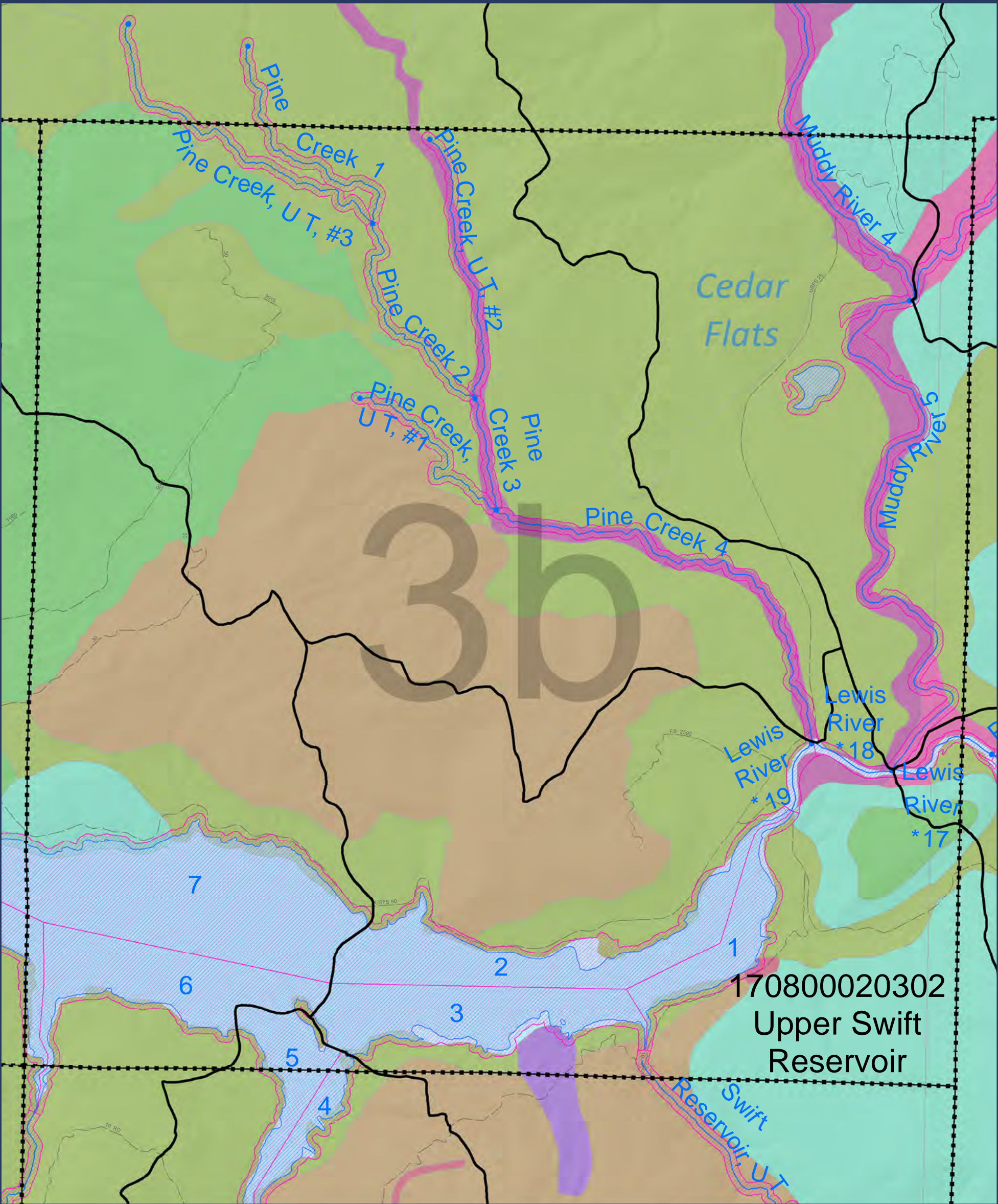


DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

**-Map 02-
Physical
Characteristics:
Surface Geology**

Sheet 3a



SKAMANIA COUNTY
Department of Assessment
and GIS



LEGEND:

- Approximate Shoreline Area (reaches)
- HUC 12 Boundary
- Streams (Reach breaks at dots)
- Lakes
- Map index grid
- Skamania County boundary
- Nat'l Scenic Area Bndy
- Urban Area Bndy
- City Limits
- Extended City Jurisdiction
- State highway
- Local road
- Forest road

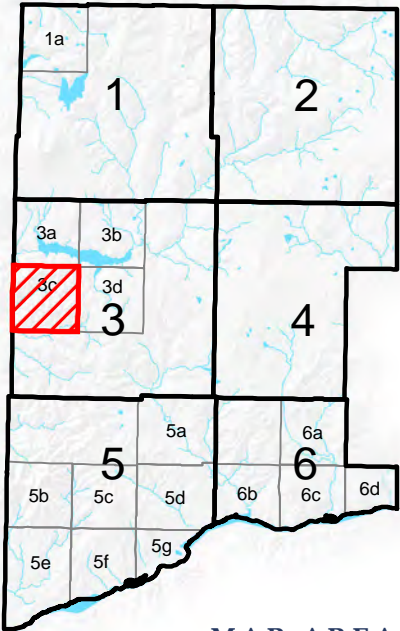
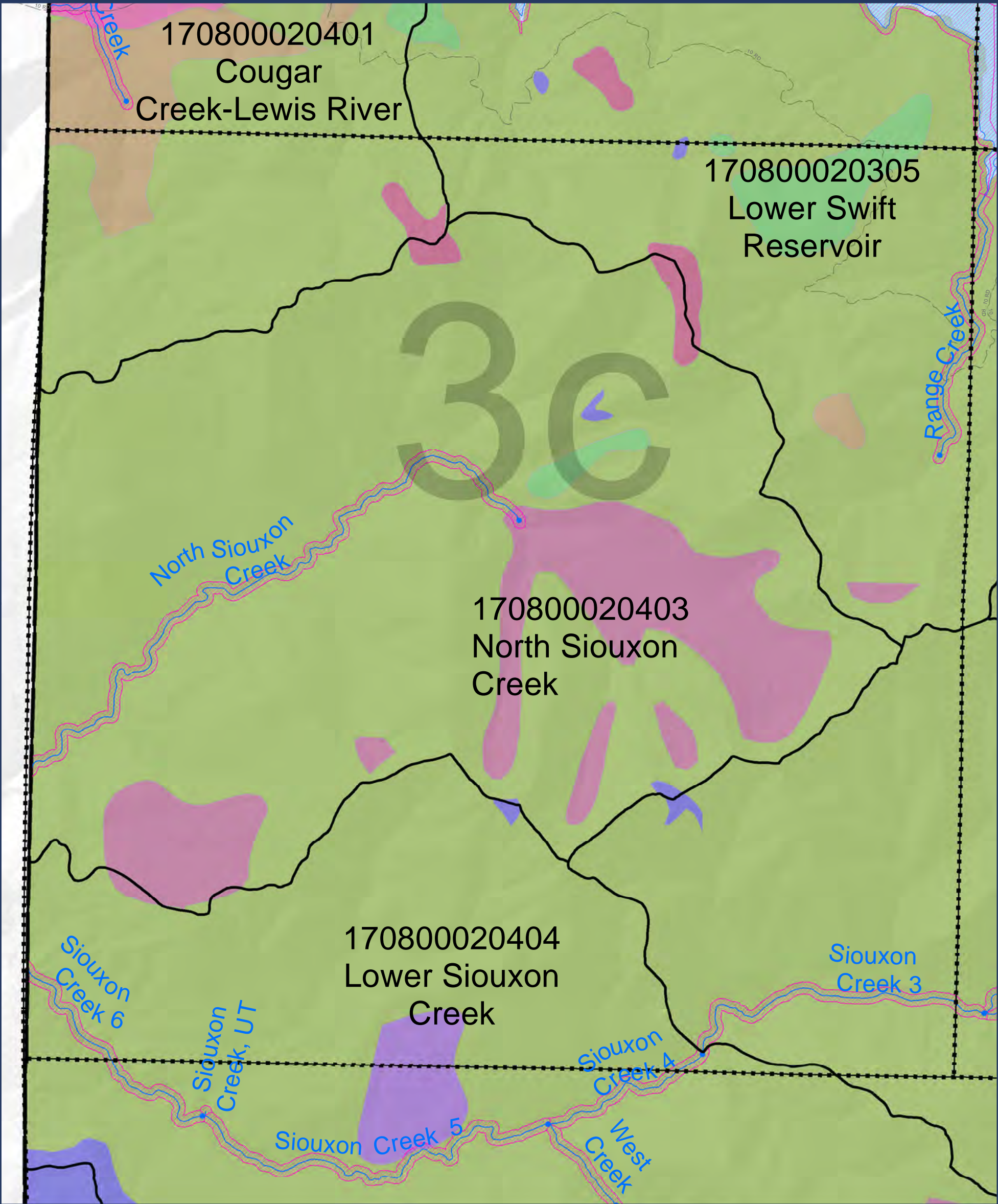
* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

**-Map 02-
Physical
Characteristics:
Surface Geology**

Sheet 3b



LEGEND:

- Approximate Shoreline Area (reaches)
- HUC 12 Boundary
- Streams (Reach breaks at dots)
- Lakes
- Map index grid
- Skamania County boundary
- Nat'l Scenic Area Bndy
- Urban Area Bndy
- City Limits
- Extended City Jurisdiction
- State highway
- Local road
- Forest road

* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

SKAMANIA COUNTY
Department of Assessment
and GIS

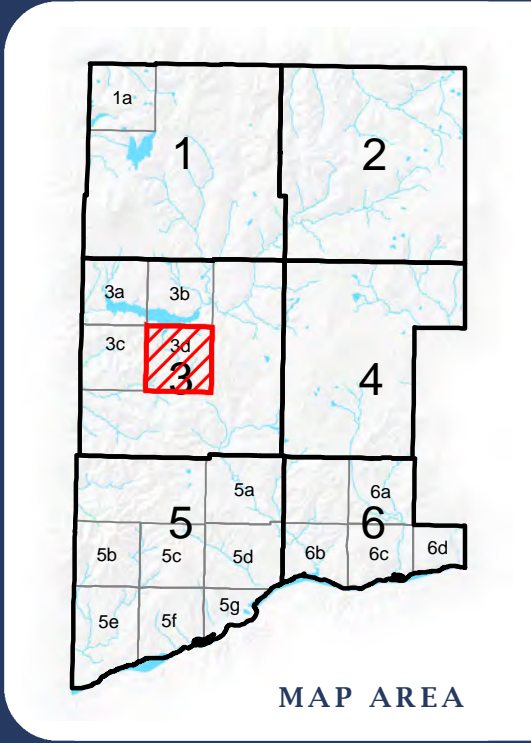
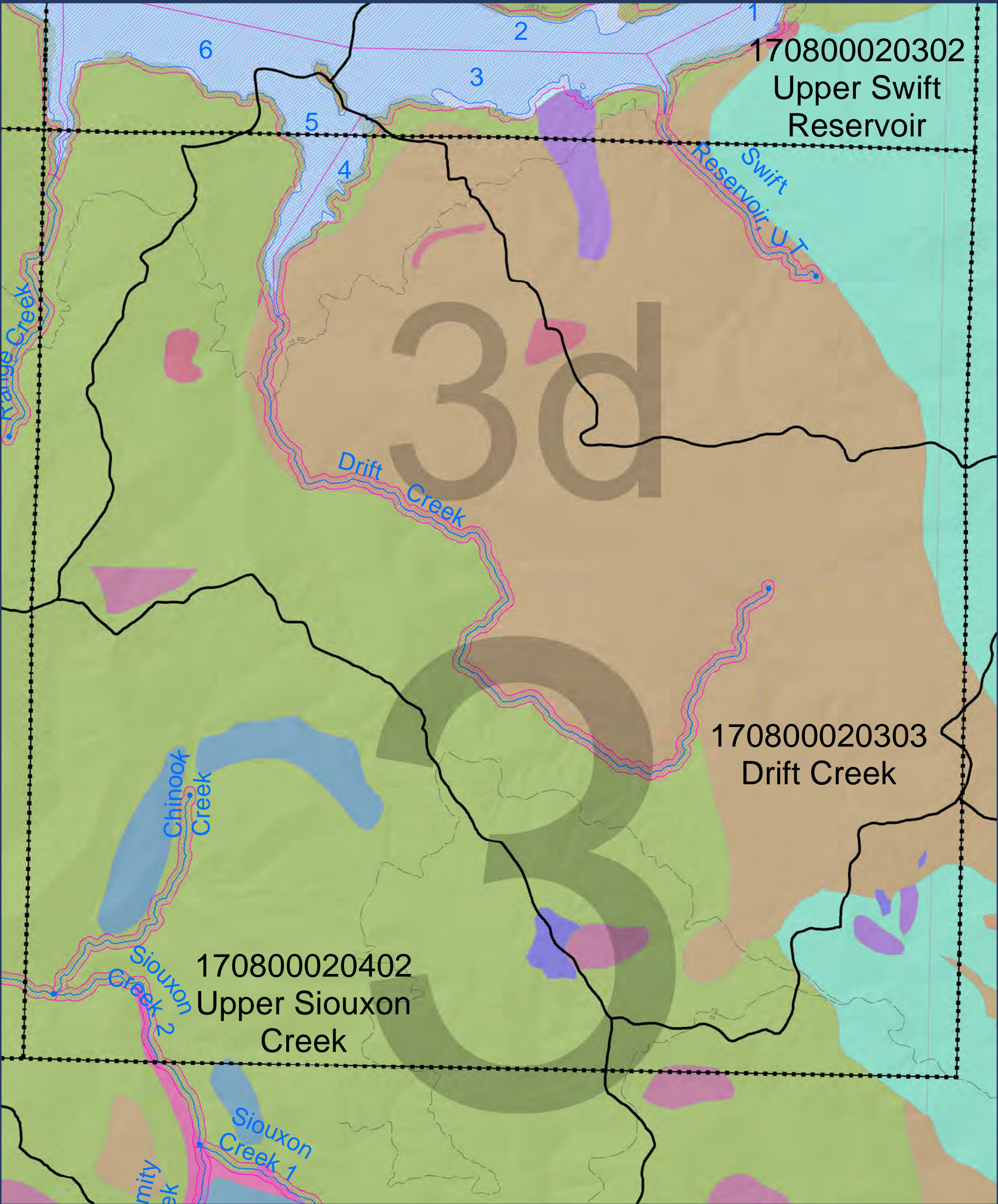


DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

-Map 02-
Physical
Characteristics:
Surface Geology

Sheet 3c



SKAMANIA COUNTY
Department of Assessment
and GIS



LEGEND:

- Approximate Shoreline Area (reaches)
- HUC 12 Boundary
- Streams (Reach breaks at dots)
- Lakes
- Map index grid
- Skamania County boundary
- Nat'l Scenic Area Bndy
- Urban Area Bndy
- City Limits
- Extended City Jurisdiction
- State highway
- Local road
- Forest road

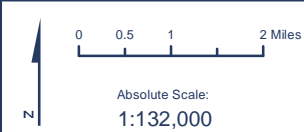
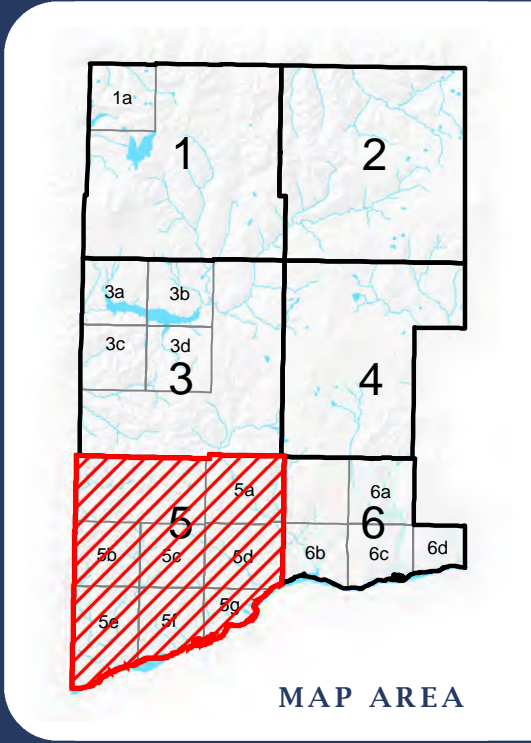
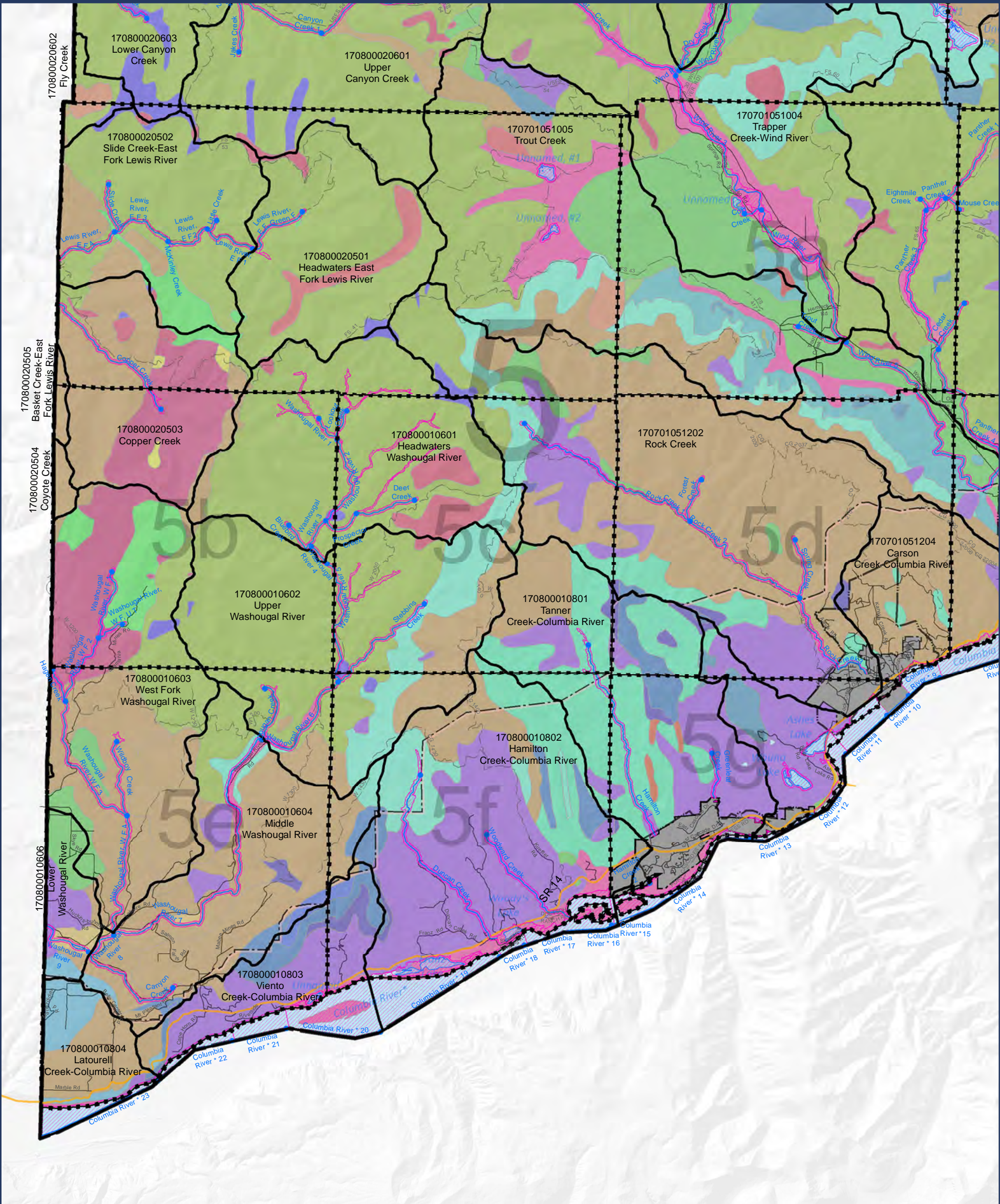
* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

**-Map 02-
Physical
Characteristics:
Surface Geology**

Sheet 3d



- LEGEND:**
- Approximate Shoreline Area (reaches)
 - HUC 12 Boundary
 - Streams (Reach breaks at dots)
 - Lakes
 - Map index grid
 - Skamania County boundary
 - Nat'l Scenic Area Bndy
 - Urban Area Bndy
 - City Limits
 - Extended City Jurisdiction
 - State highway
 - Local road
 - Forest road

* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

SKAMANIA COUNTY
Department of Assessment
and GIS

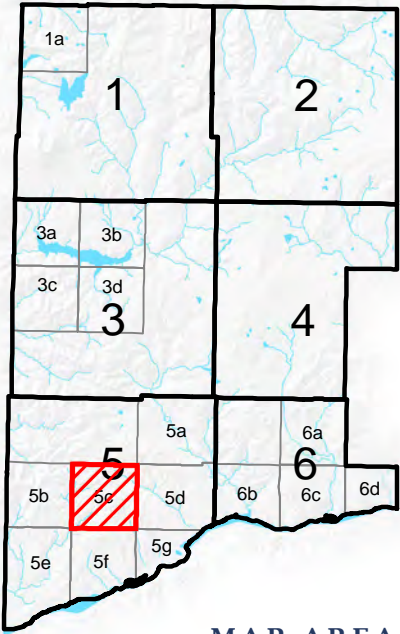
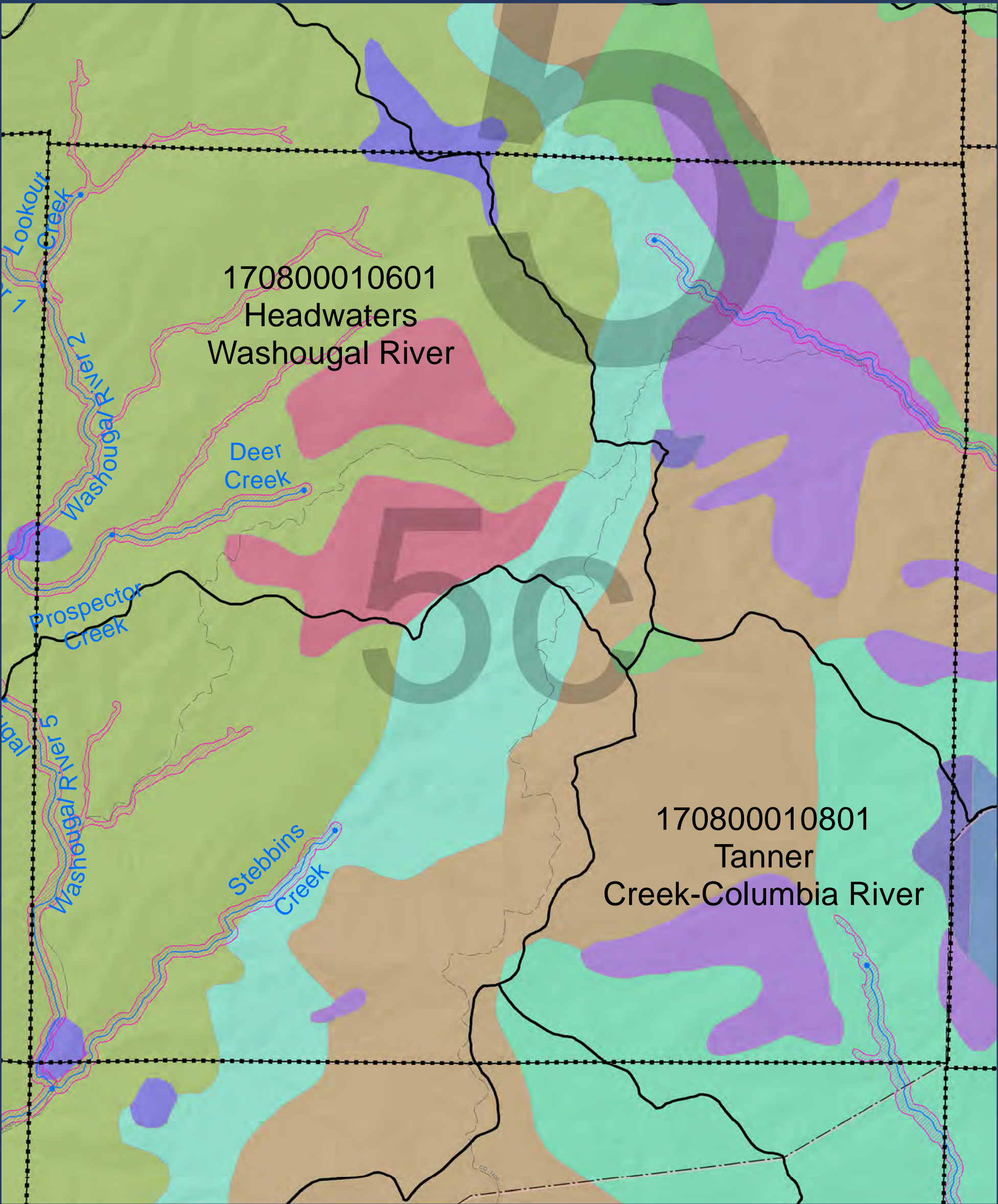


DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

-Map 02- Physical Characteristics: Surface Geology

Sheet 5



MAP AREA



SKAMANIA COUNTY
Department of Assessment
and GIS



LEGEND:

- Approximate Shoreline Area (reaches)
- HUC 12 Boundary
- Streams (Reach breaks at dots)
- Lakes
- Map index grid
- Skamania County boundary
- Nat'l Scenic Area Bndy
- Urban Area Bndy
- City Limits
- Extended City Jurisdiction
- State highway
- Local road
- Forest road

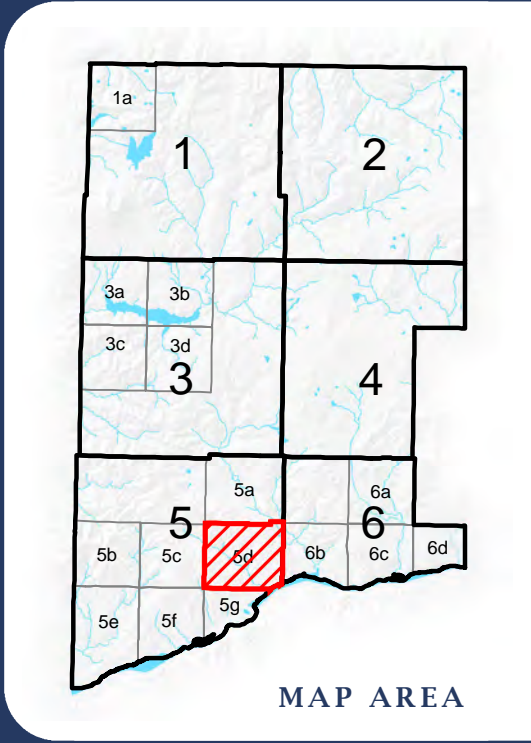
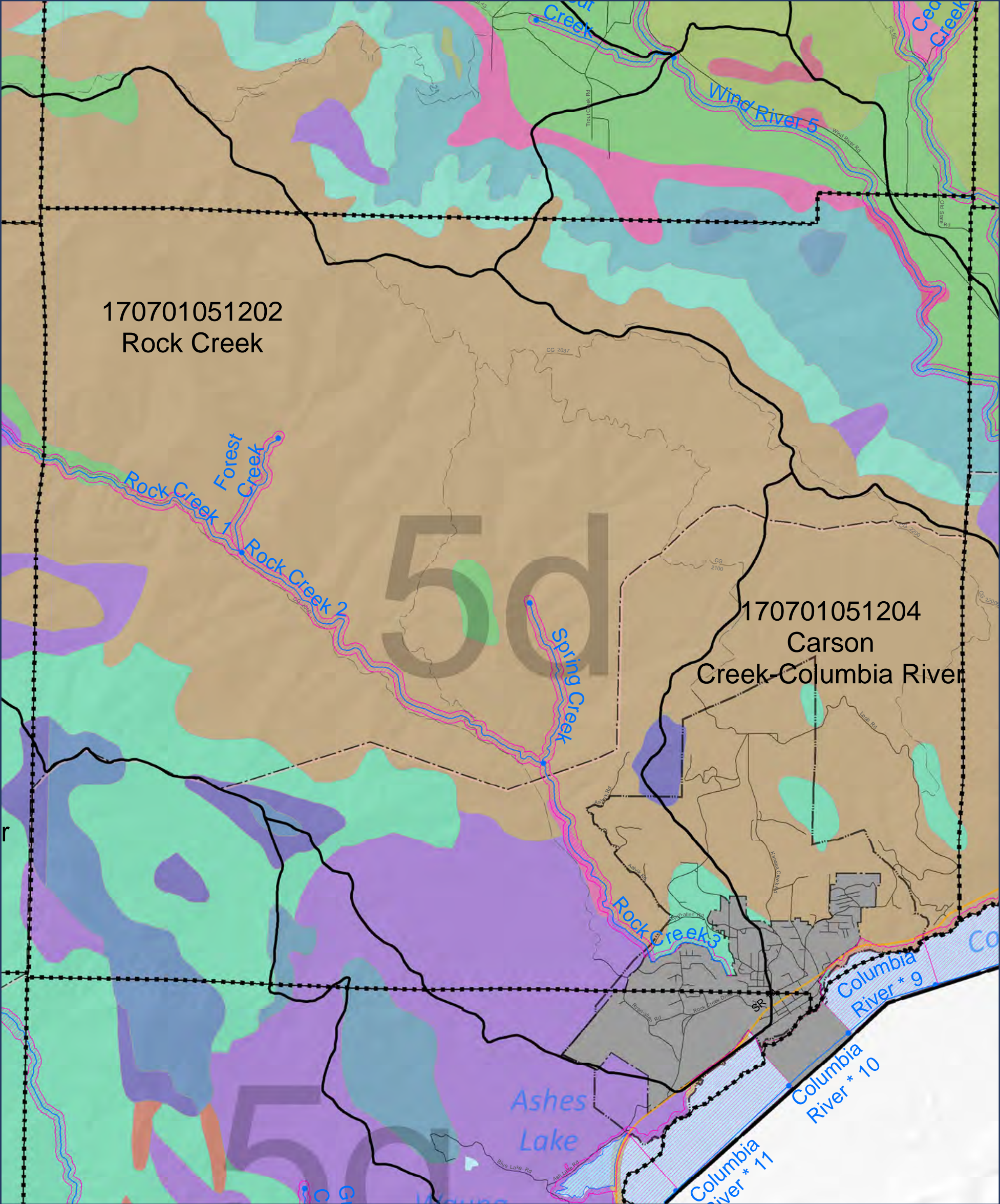
* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

-Map 02-
Physical
Characteristics:
Surface Geology

Sheet 5c



0

0.5

1

2

Miles

N

Absolute Scale:
1:48,000

LEGEND:

Approximate Shoreline Area (reaches)

HUC 12 Boundary

Streams (Reach breaks at dots)

Lakes

Map index grid

Skamania County boundary

Nat'l Scenic Area Bndy

Urban Area Bndy

City Limits

Extended City Jurisdiction

State highway

Local road

Forest road

* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

SKAMANIA COUNTY

Department of Assessment
and GIS

DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

- Map 02 -

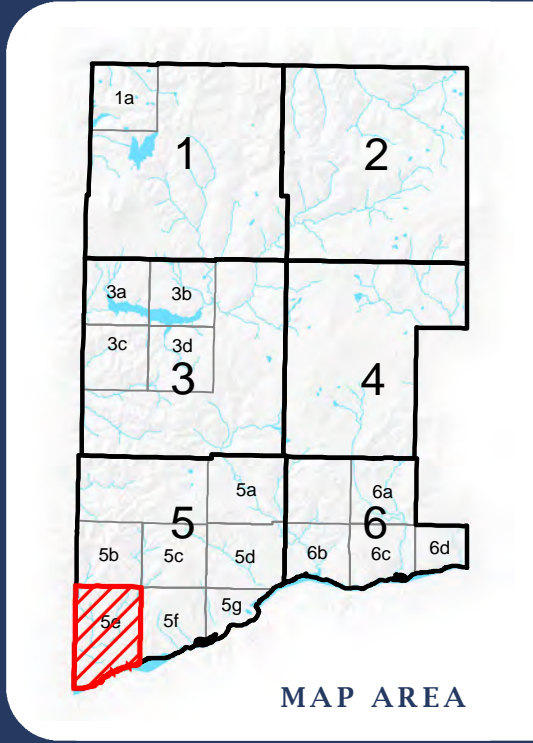
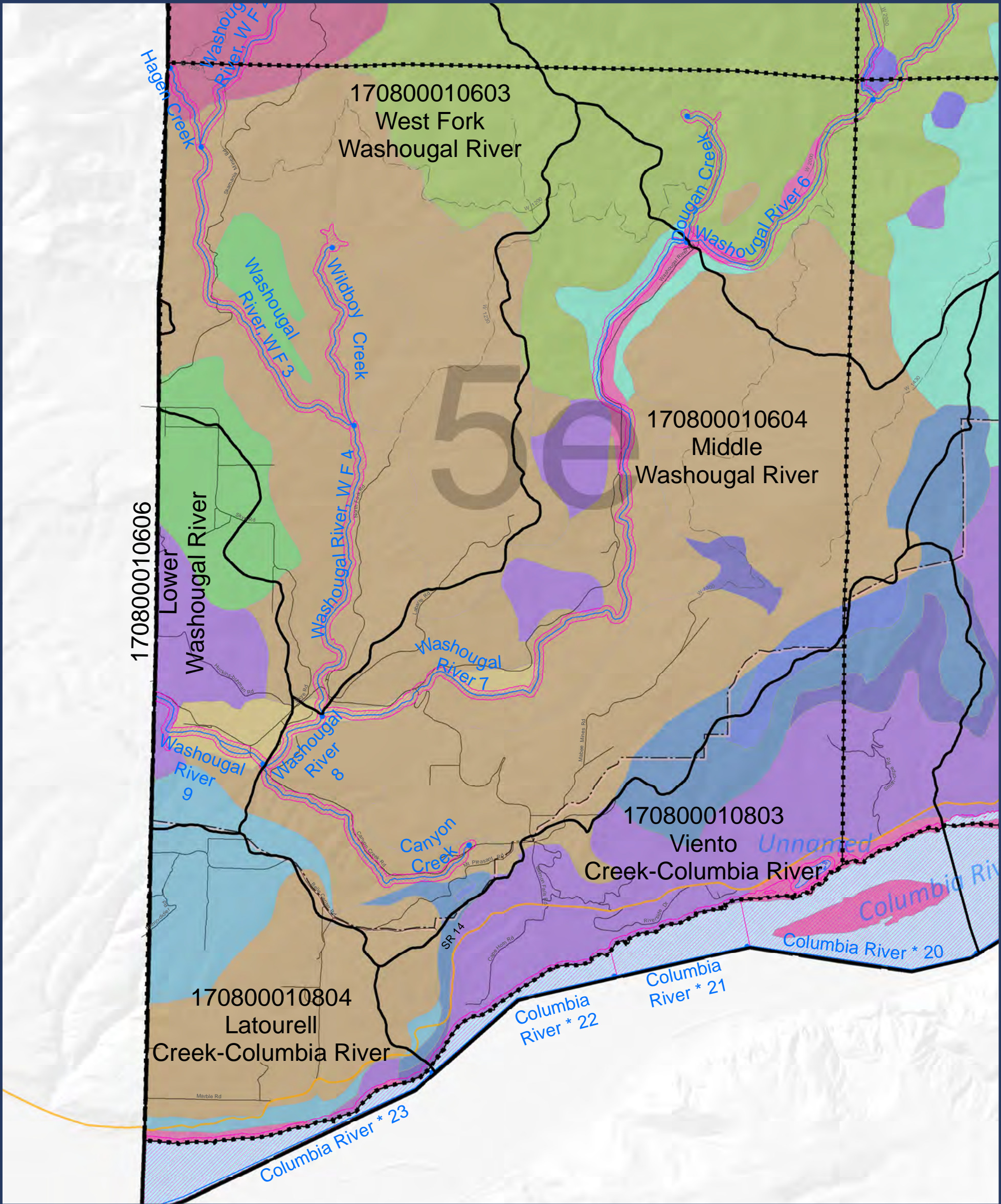
Physical

Characteristics:

Surface Geology

Sheet 5d

Updated: 03/10/2016 by R. Hollatz Data Sources: USGS, Col. River Gorge Commission, Skamania County GIS, WA Dept of Ecology, WA DNR



LEGEND:

- Approximate Shoreline Area (reaches)
- HUC 12 Boundary
- Streams (Reach breaks at dots)
- Lakes
- Map index grid
- Skamania County boundary
- Nat'l Scenic Area Bndy
- Urban Area Bndy
- City Limits
- Extended City Jurisdiction
- State highway
- Local road
- Forest road

* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

SKAMANIA COUNTY
Department of Assessment
and GIS

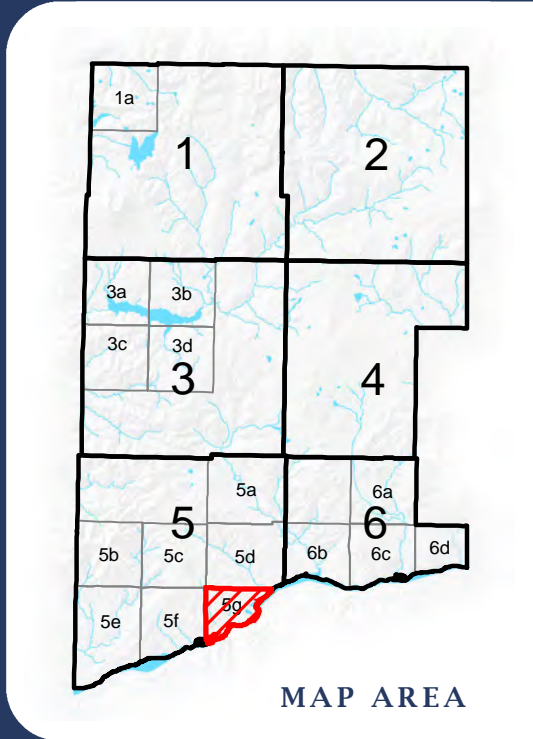
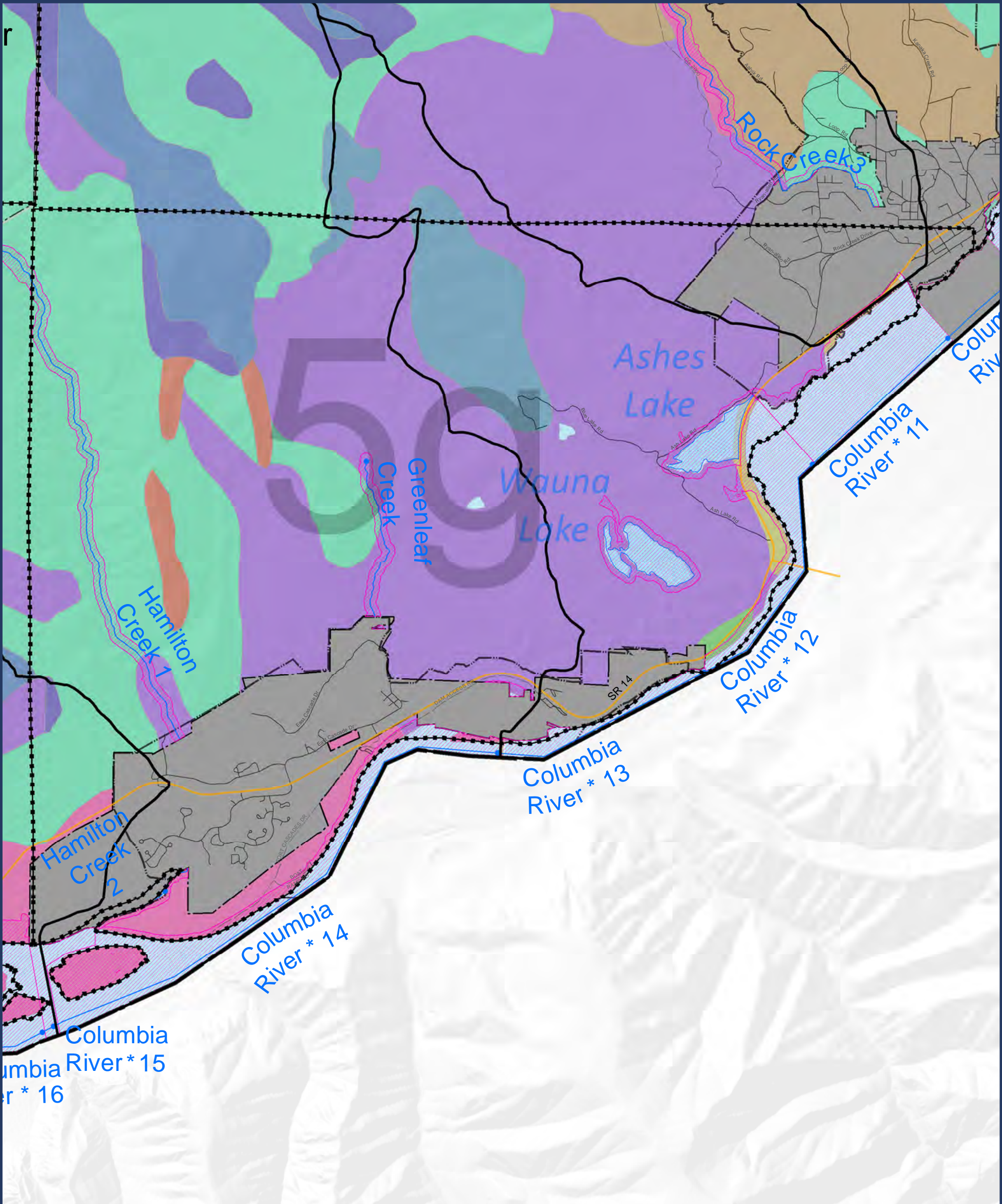


DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

-Map 02-
Physical
Characteristics:
Surface Geology

Sheet 5e



SKAMANIA COUNTY
Department of Assessment
and GIS



- LEGEND:**
- Approximate Shoreline Area (reaches)
 - HUC 12 Boundary
 - Streams (Reach breaks at dots)
 - Lakes
 - Map index grid
 - Skamania County boundary
 - Nat'l Scenic Area Bndy
 - Urban Area Bndy
 - City Limits
 - Extended City Jurisdiction
 - State highway
 - Local road
 - Forest road

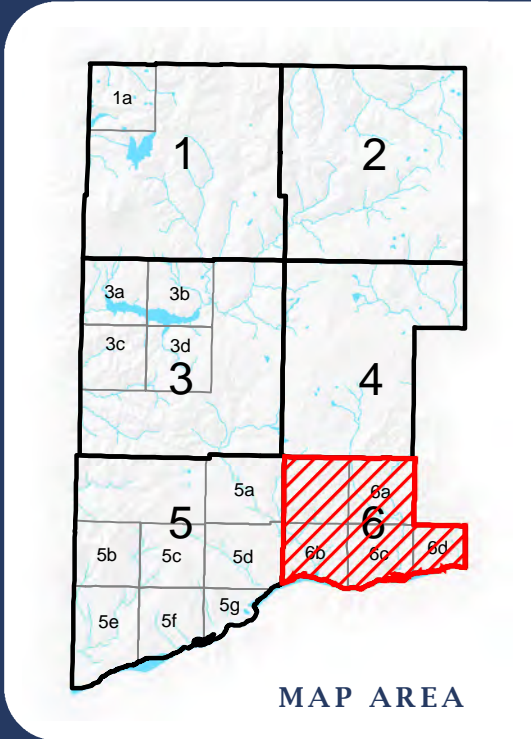
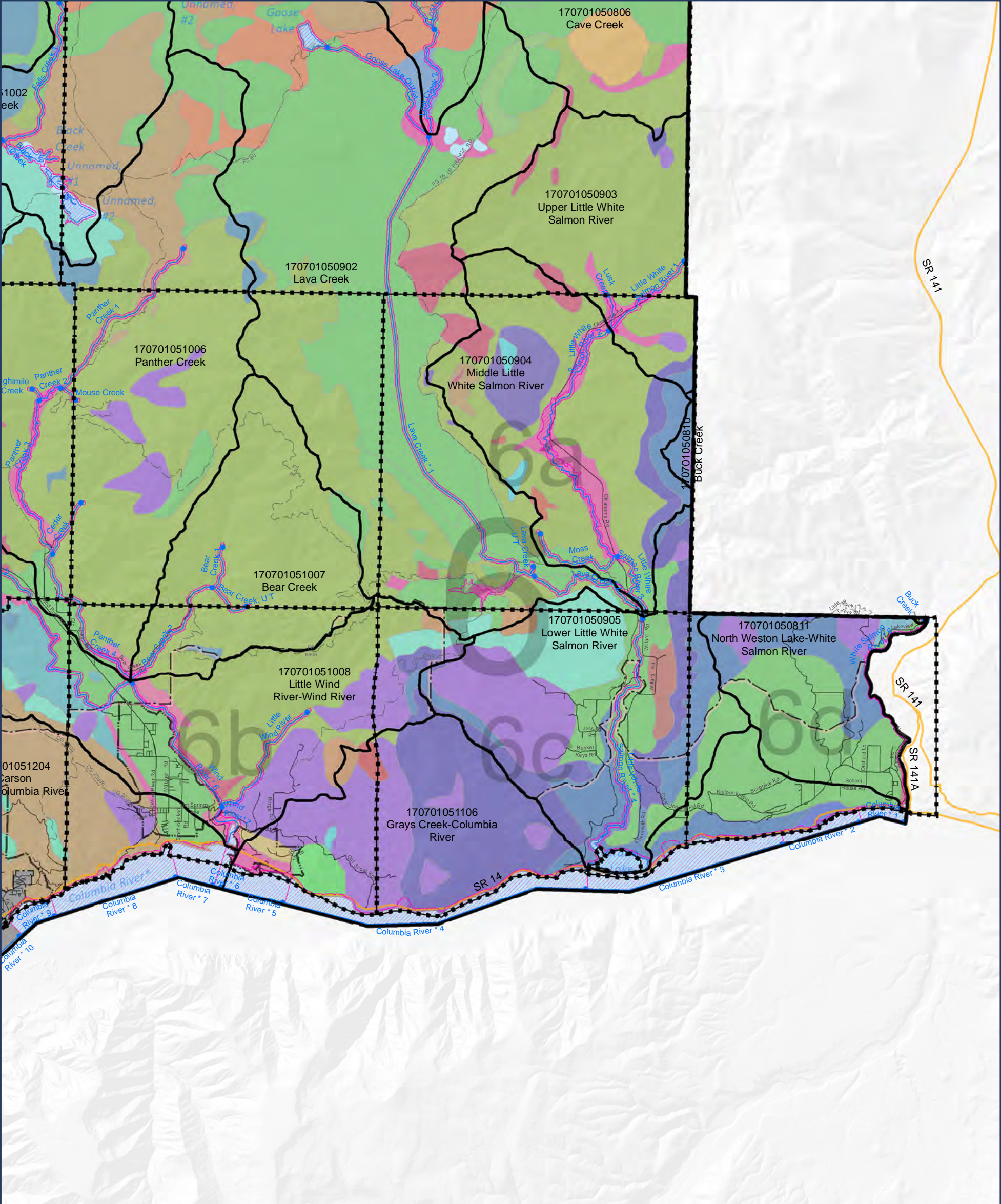
* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

**-Map 02-
Physical
Characteristics:
Surface Geology**

Sheet 5g



0

0.5

1

2

Miles

Absolute Scale:

1:120,000

N


LEGEND:

- Approximate Shoreline Area (reaches)
- HUC 12 Boundary
- Streams (Reach breaks at dots)
- Lakes
- Map index grid
- Skamania County boundary
- Nat'l Scenic Area Bndy
- Urban Area Bndy
- City Limits
- Extended City Jurisdiction
- State highway
- Local road
- Forest road

* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

SKAMANIA COUNTY

Department of Assessment and GIS



DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

- Map 02 -

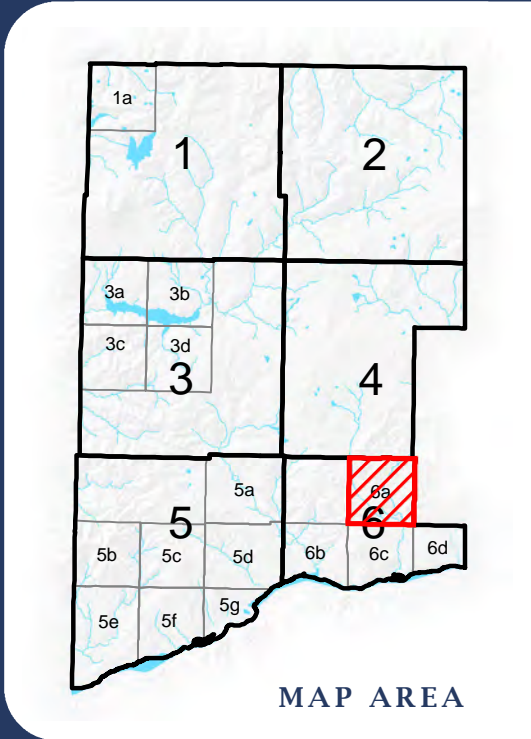
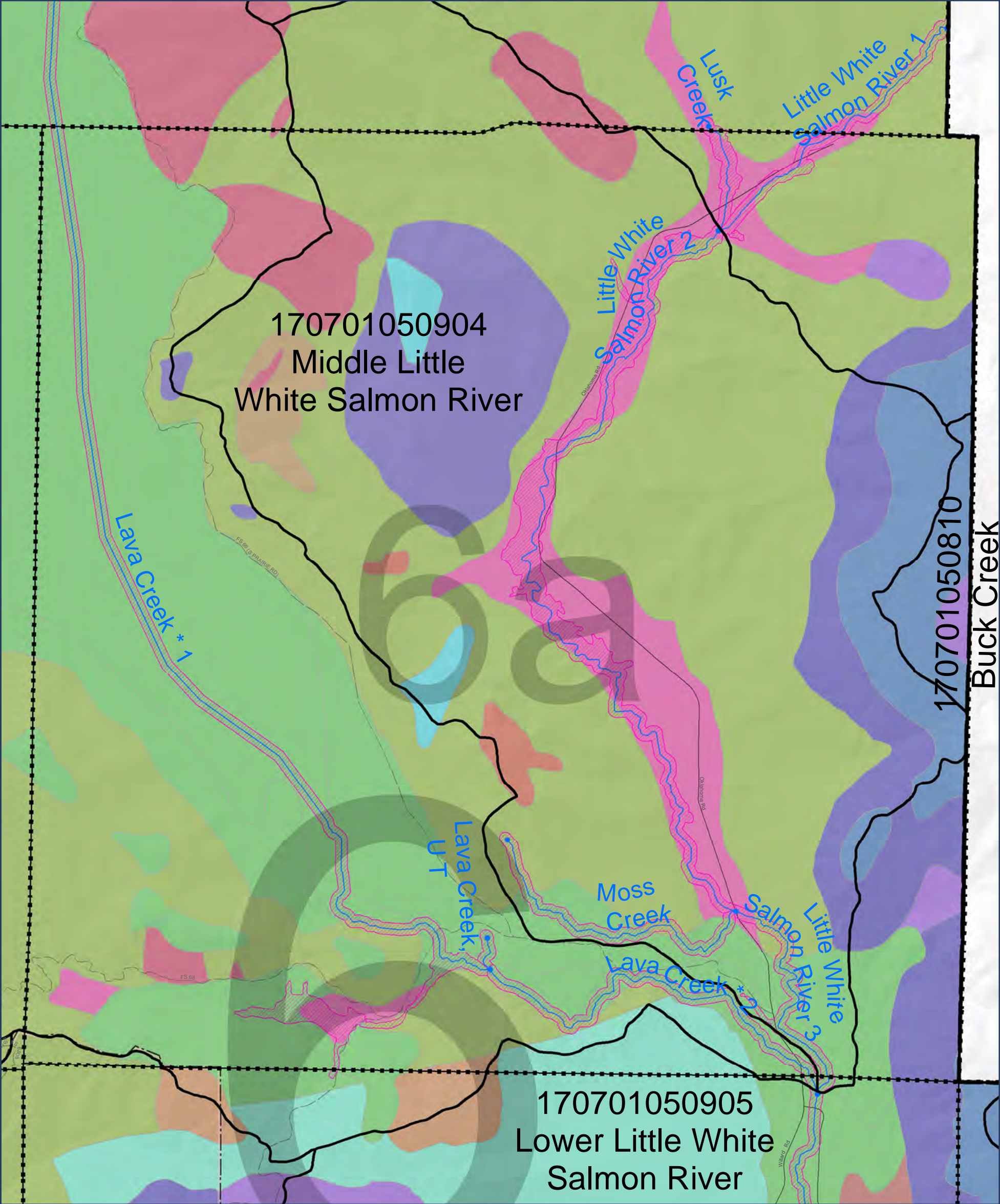
Physical

Characteristics:

Surface Geology

Sheet 6

Updated: 03/10/2016 by R. Hollatz Data Sources: USGS, Col. River Gorge Commission, Skamania County GIS, WA Dept of Ecology, WA DNR



SKAMANIA COUNTY
Department of Assessment
and GIS



LEGEND:

- Approximate Shoreline Area (reaches)
- HUC 12 Boundary
- Streams (Reach breaks at dots)
- Lakes
- Map index grid
- Skamania County boundary
- Nat'l Scenic Area Bndy
- Urban Area Bndy
- City Limits
- Extended City Jurisdiction
- State highway
- Local road
- Forest road

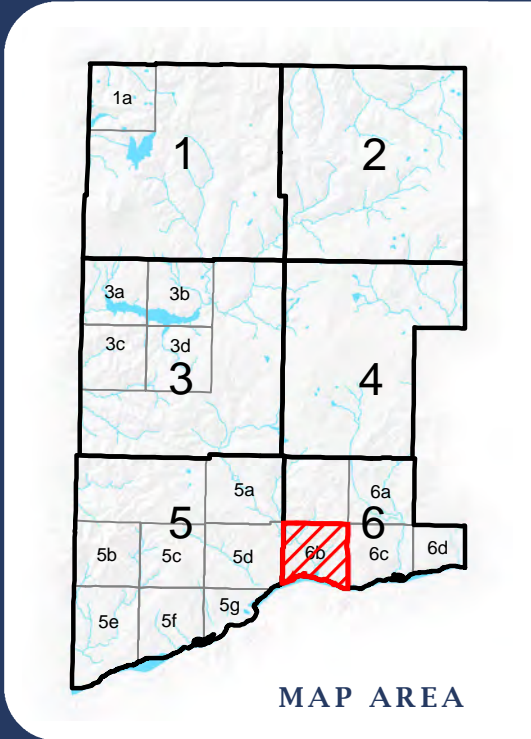
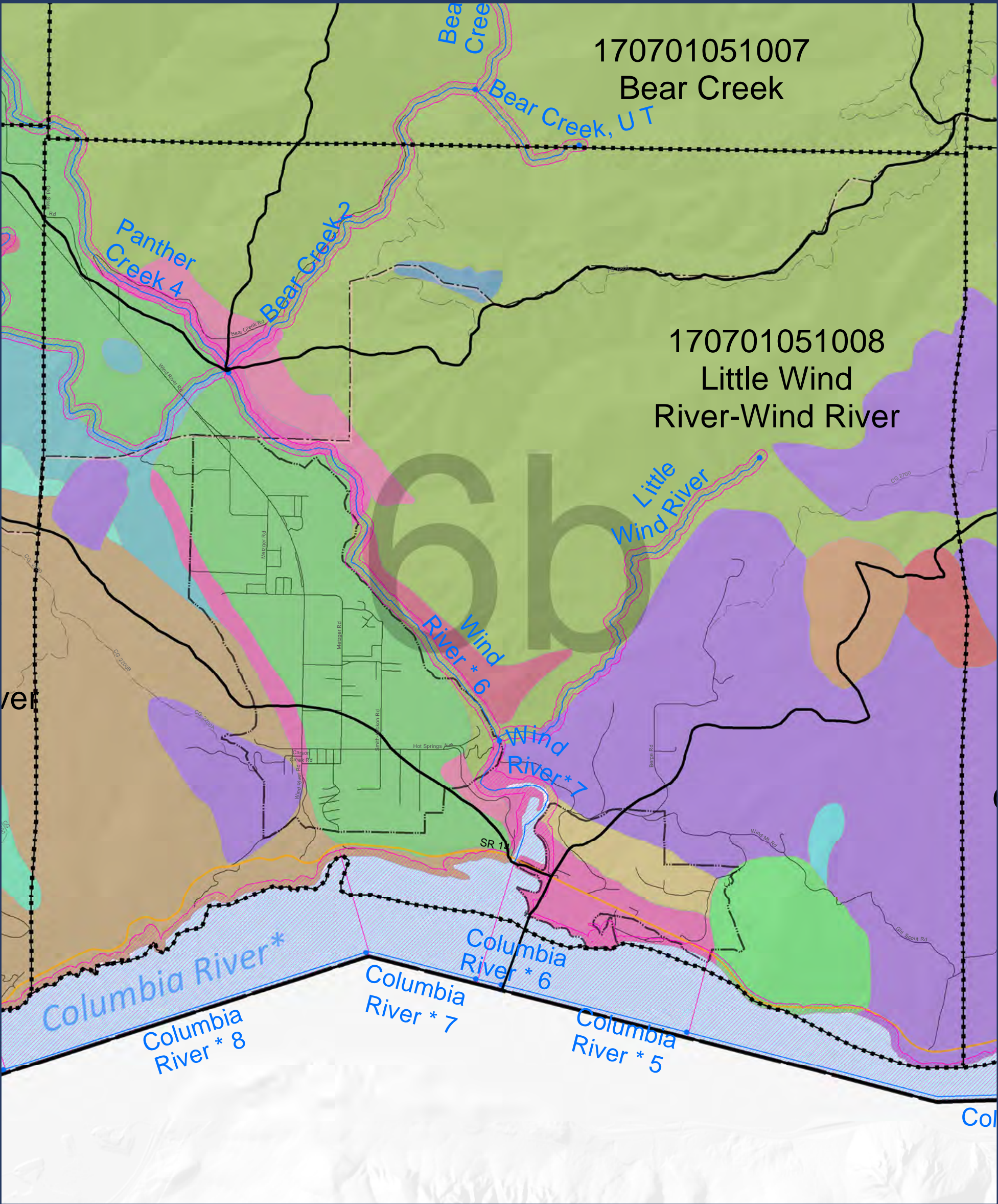
* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

- Map 02 -
Physical
Characteristics:
Surface Geology

Sheet 6a



LEGEND:

- Approximate Shoreline Area (reaches)
- HUC 12 Boundary
- Streams (Reach breaks at dots)
- Lakes
- Map index grid
- Skamania County boundary
- Nat'l Scenic Area Bndy
- Urban Area Bndy
- City Limits
- Extended City Jurisdiction
- State highway
- Local road
- Forest road

* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

SKAMANIA COUNTY
Department of Assessment
and GIS

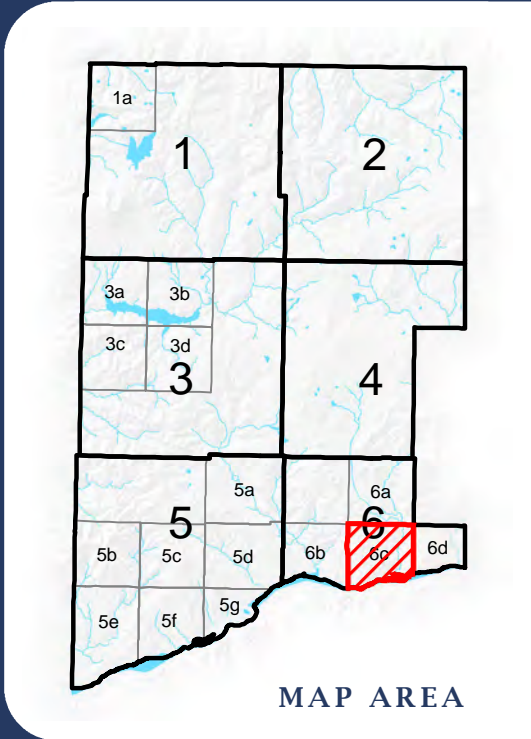
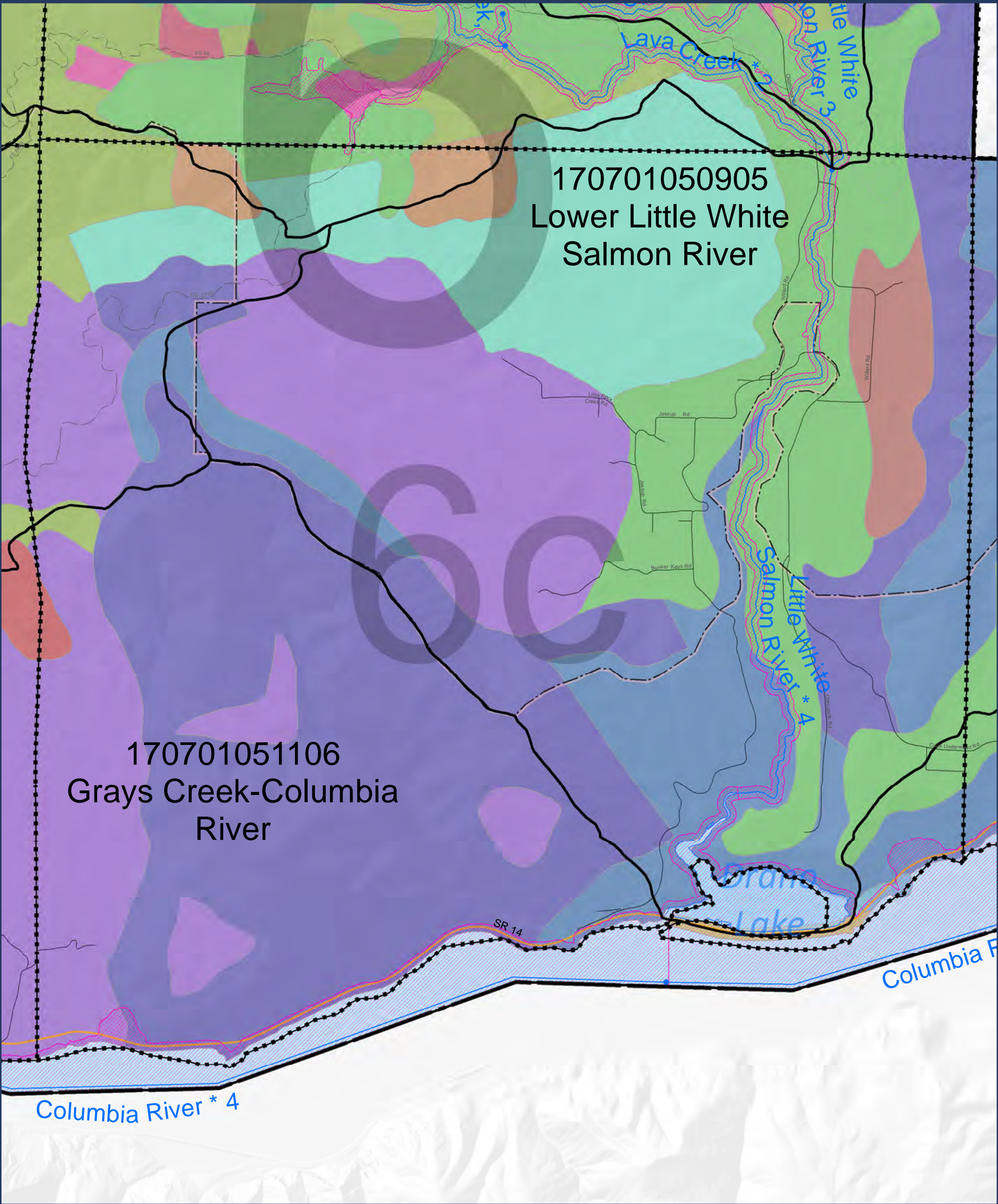


DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

-Map 02-
Physical
Characteristics:
Surface Geology

Sheet 6b



SKAMANIA COUNTY
Department of Assessment
and GIS



LEGEND:

- Approximate Shoreline Area (reaches)
- HUC 12 Boundary
- Streams (Reach breaks at dots)
- Lakes
- Map index grid
- Skamania County boundary
- Nat'l Scenic Area Bndy
- Urban Area Bndy
- City Limits
- Extended City Jurisdiction
- State highway
- Local road
- Forest road

* Geologic units are categorized by lithology. Geologic unit color coding is not provided in the legend because there are 40+ different lithology types in Skamania County. Refer to the source GIS data for additional information (DNR's 100K Geologic Unit data).

DISCLAIMER: This map product was prepared by Skamania County and is for information purposes only. It may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

SHORELINES DISCLAIMER: Shoreline jurisdiction boundaries depicted on this map are approximate. They have not been formally delineated or surveyed and are for planning purposes only. Additional site-specific evaluation may be needed to confirm or verify information shown on this map. Shoreline jurisdiction will be determined at time of project review using the best available site-specific information.

-Map 02- Physical Characteristics: Surface Geology

Sheet 6c

