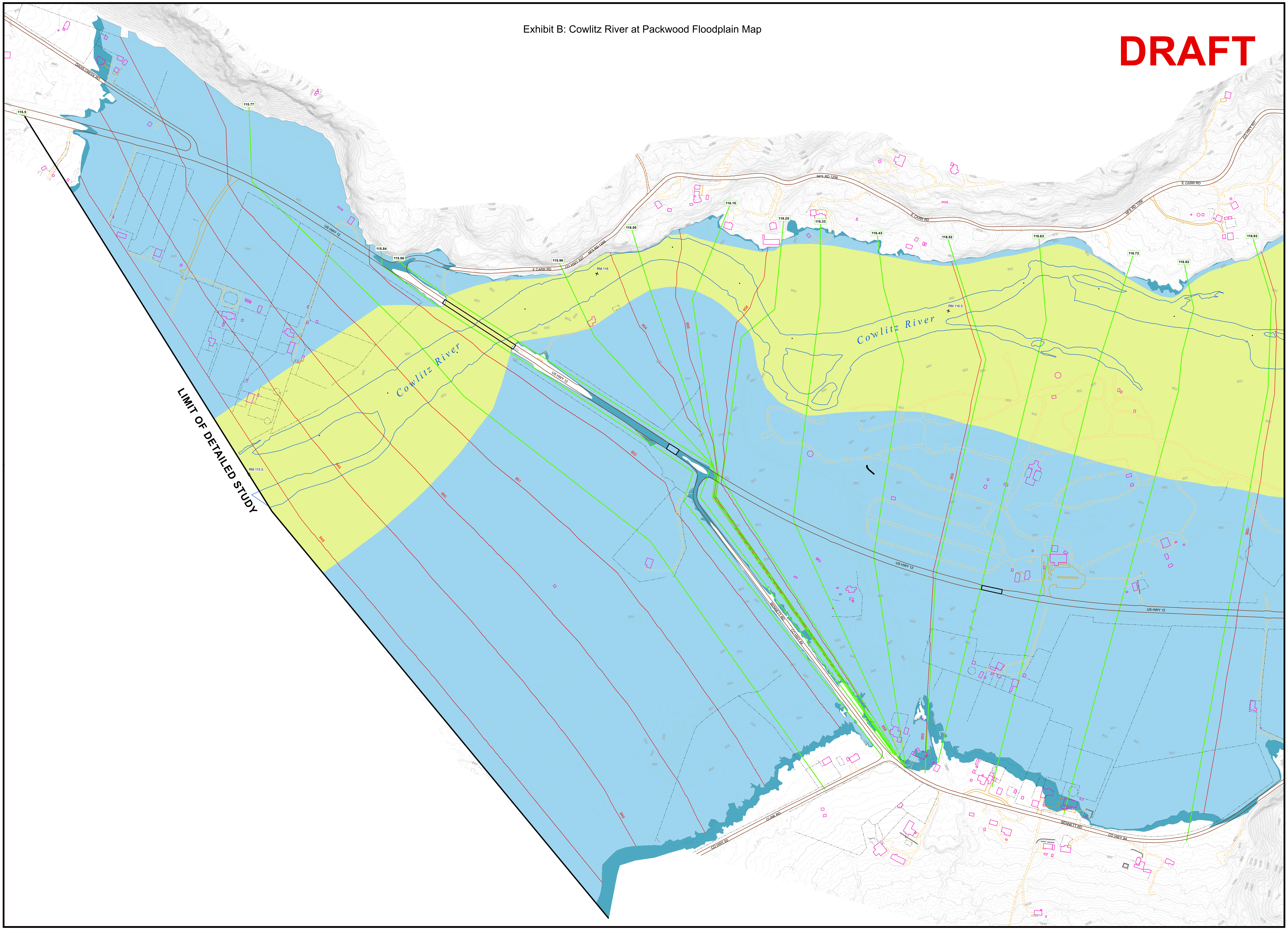
Exhibit B: Cowlitz River at Packwood Floodplain Map

DRAFT



Legend

Paved Road	Fence	Proposed Cross Sections	+ 0.5 River Mile
Gravel Road	Bridge	Proposed Hall Creek Evaluation Lines	Proposed Floodway
Paved Driveway	Wall Bottom	Proposed Gutter Lines	Proposed 100-year Floodplain
Unpaved Driveway	River Edge	Proposed BFE's	Proposed 500-year Floodplain
Building	Standing Water	• 0.1 River Mile	

Notes:

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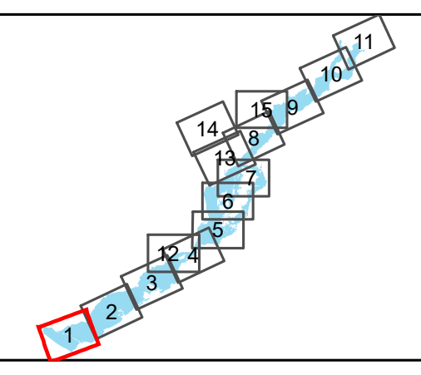
Topography based on 2020 LiDAR by GeoTerra, Inc. This data set was produced to meet ASPRS Positional Accuracy Standards for Digital Geospatial Data (2014) for a 0.33 ft RMSEz Veritcal Accuracy Class. Contour interval: 2 feet

Vertical Datum: NAVD 88, Horzantal Datum: NAD 83 (HARN) 2011

Lewis County, WA



Cowlitz River at Packwood & Hall, Butter, Skate and Willame Creeks
DRAFT Workmap
EXHIBIT 1 OF 15

0 250 500 Feet

Scale: 1:2,400

NAD 1983 2011 StatePlane
Washington South FIPS
4602 Ft US

18 Oct 2021

WATERSHED
SCIENCE & ENGINEERING

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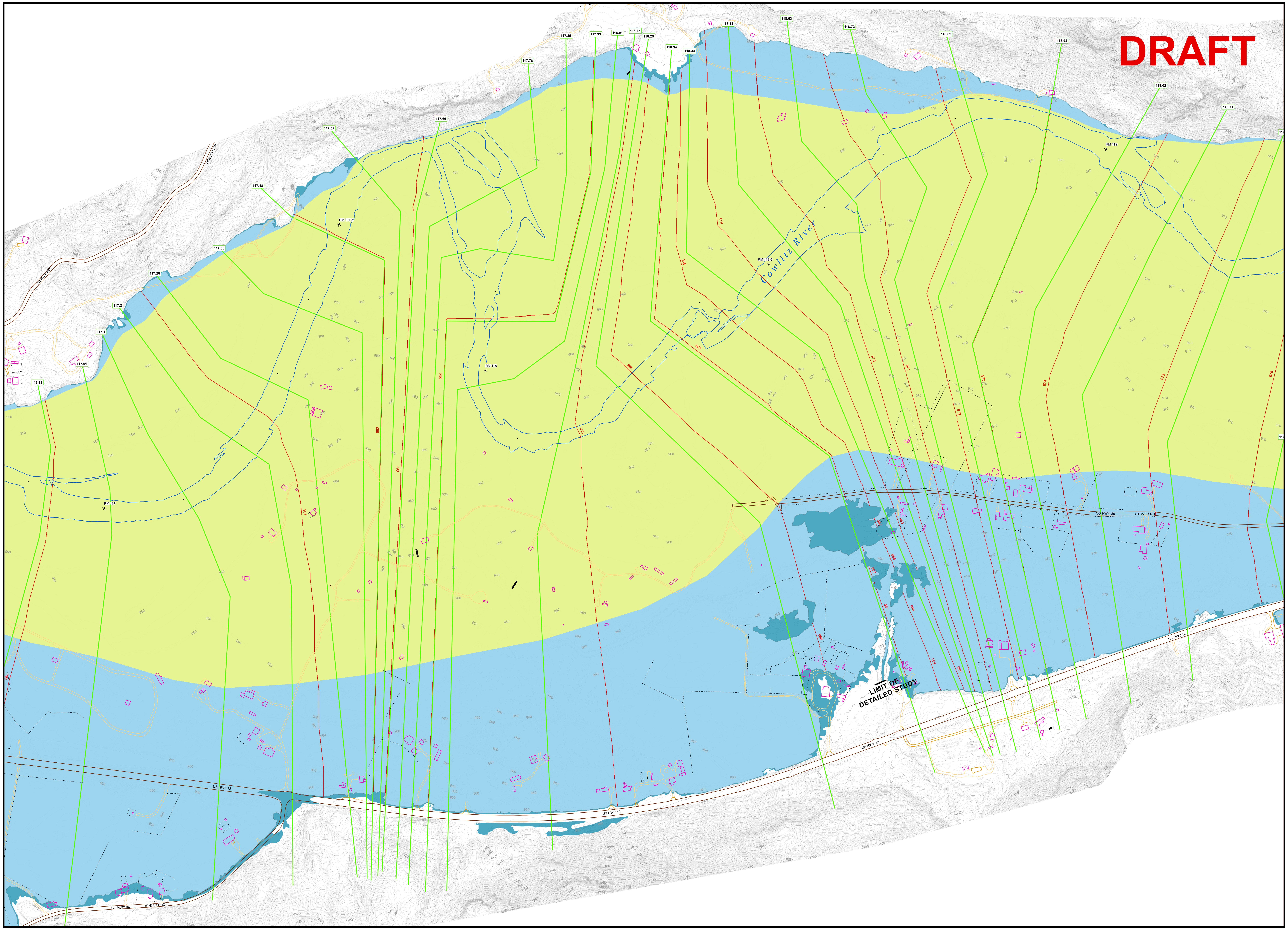

Legend

Paved Road	Fence	Proposed Cross Sections	+ 0.5 River Mile
Gravel Road	Bridge	Proposed Hall Creek Evaluation Lines	Proposed Floodway
Paved Driveway	Wall Bottom	Proposed Gutter Lines	Proposed 100-year Floodplain
Unpaved Driveway	River Edge	Proposed BFE's	Proposed 500-year Floodplain
Building	Standing Water	• 0.1 River Mile	

Notes:

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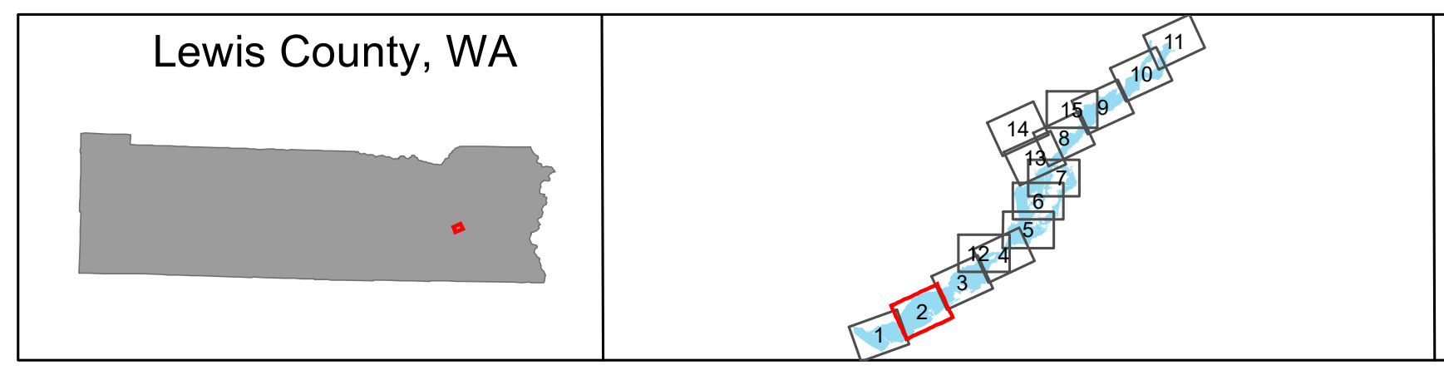
Vertical Datum: NAVD 88, Horzantal Datum: NAD 83 (HARN) 2011

Lewis County, WA



Cowlitz River at Packwood & Hall, Butter, Skate and Willame Creeks DRAFT Workmap

EXHIBIT 2 OF 15

0 250 500 Feet

N

Scale: 1:2,400

NAD 1983 2011 StatePlane
Washington South FIPS
4602 Ft US

18 Oct 2021

WATERSHED
SCIENCE & ENGINEERING

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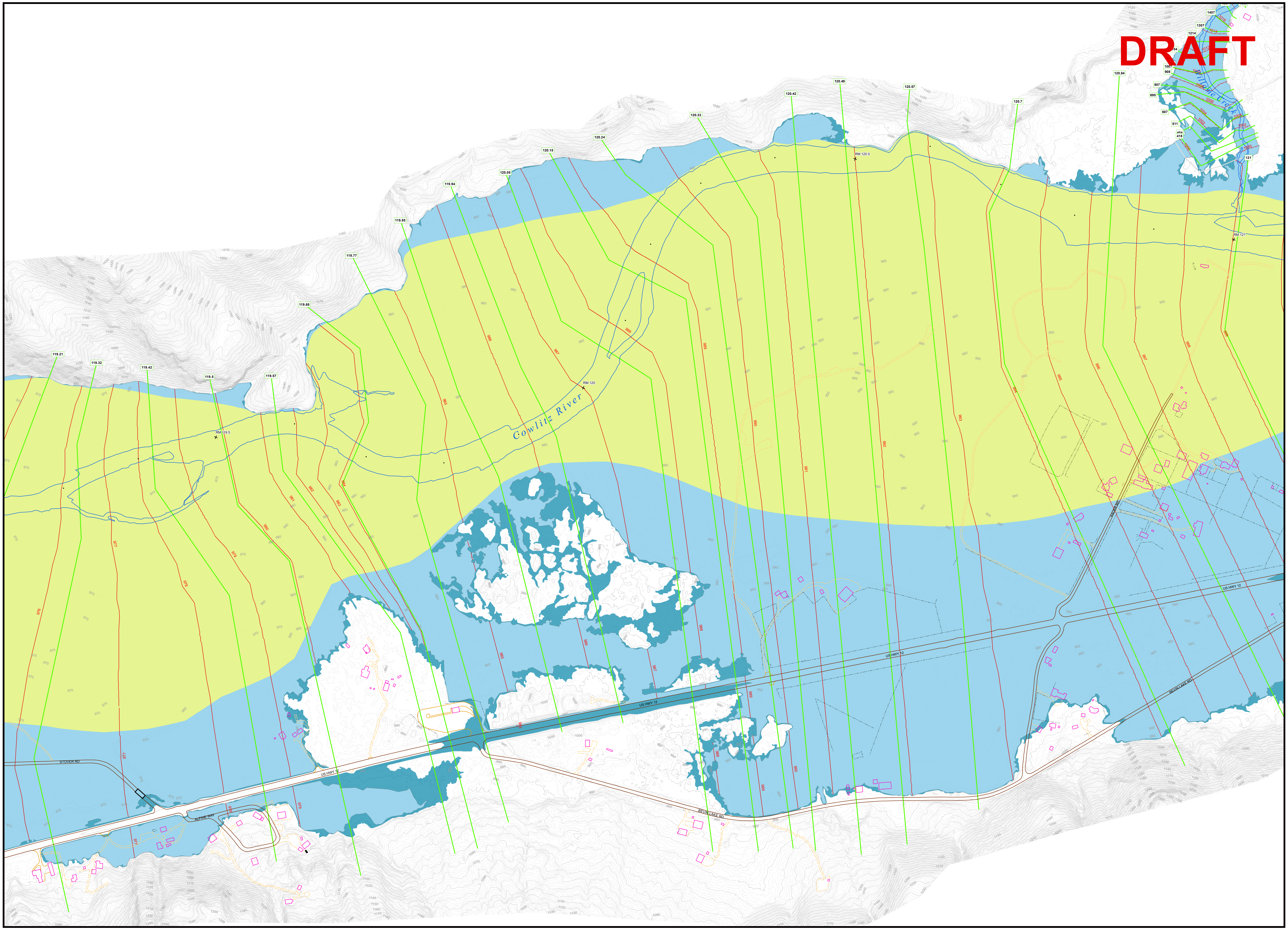

Legend

Paved Road	Fence	Proposed Cross Sections	✚ 0.5 River Mile
Gravel Road	Bridge	Proposed Hall Creek Evaluation Lines	🟨 Proposed Floodway
Paved Driveway	Wall Bottom	Proposed Gutter Lines	▢ Proposed 100-year Floodplain
Unpaved Driveway	▢ River Edge	Proposed BFE's	■ Proposed 500-year Floodplain
Building	▢ Standing Water	• 0.1 River Mile	

Notes:

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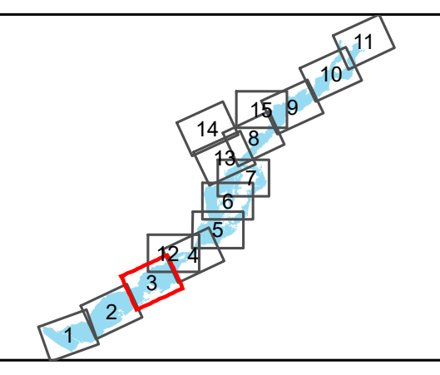
Vertical Datum: NAVD 88, Horzantal Datum: NAD 83 (HARN) 2011

Lewis County, WA



Cowlitz River at Packwood & Hall, Butter, Skate and Willame Creeks
DRAFT Workmap
EXHIBIT 3 OF 15

0 250 500 Feet

N

Scale: 1:2,400

18 Oct 2021

NAD 1983 2011 StatePlane
Washington South FIPS
4602 Ft US

WATERSHED
SCIENCE & ENGINEERING

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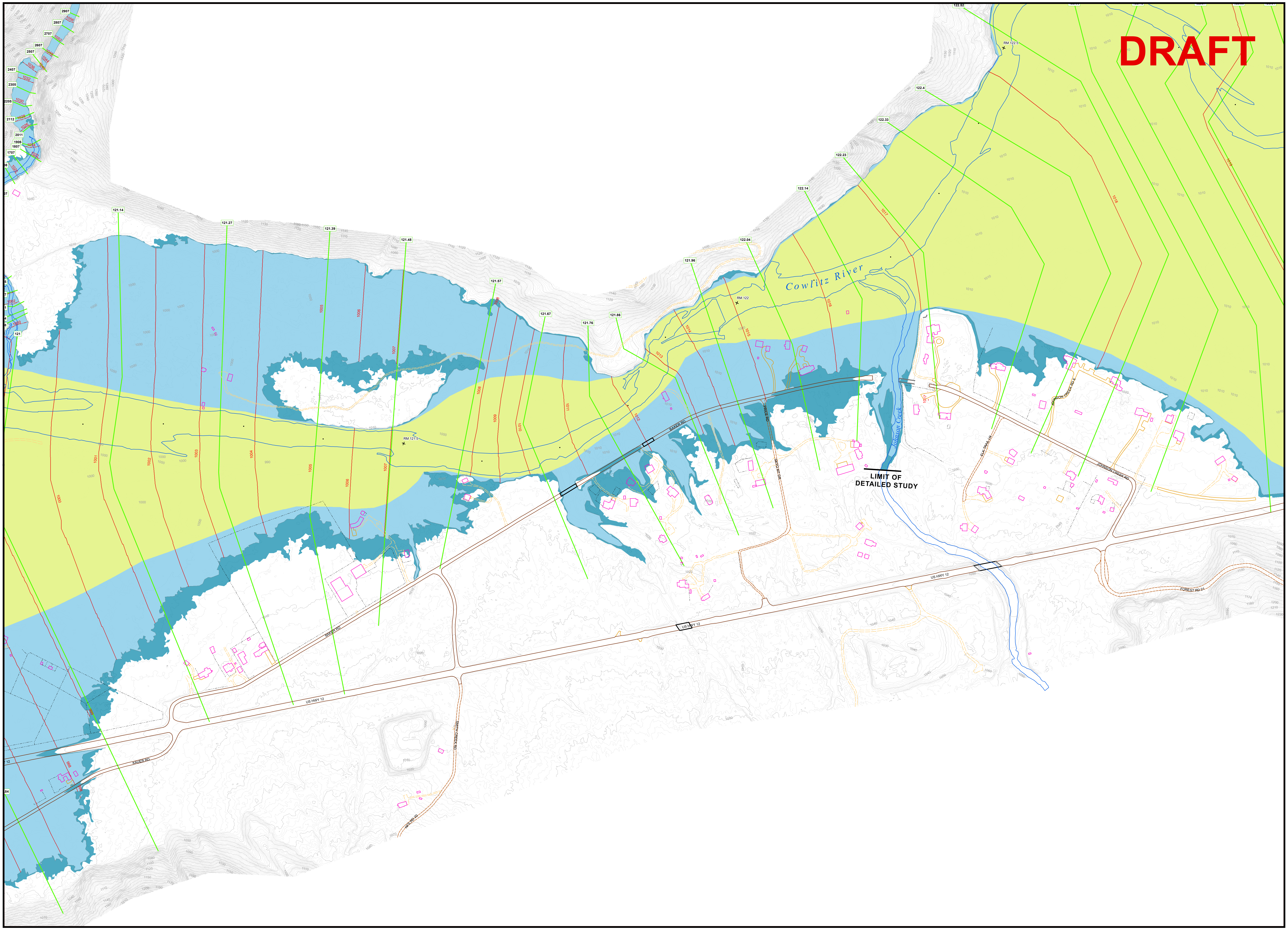

Legend

Paved Road	Fence	Proposed Cross Sections	+ 0.5 River Mile
Gravel Road	Bridge	Proposed Hall Creek Evaluation Lines	Proposed Floodway
Paved Driveway	Wall Bottom	Proposed Gutter Lines	Proposed 100-year Floodplain
Unpaved Driveway	River Edge	Proposed BFE's	Proposed 500-year Floodplain
Building	Standing Water	• 0.1 River Mile	

Notes:

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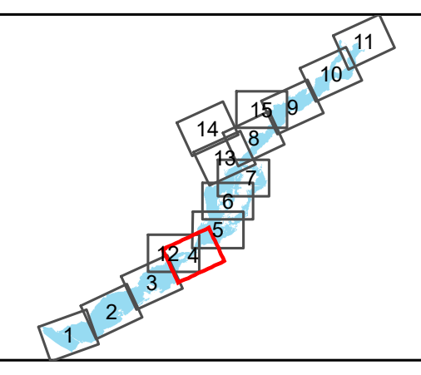
Vertical Datum: NAVD 88, Horzantal Datum: NAD 83 (HARN) 2011

Lewis County, WA



Cowlitz River at Packwood & Hall, Butter, Skate and Willame Creeks DRAFT Workmap

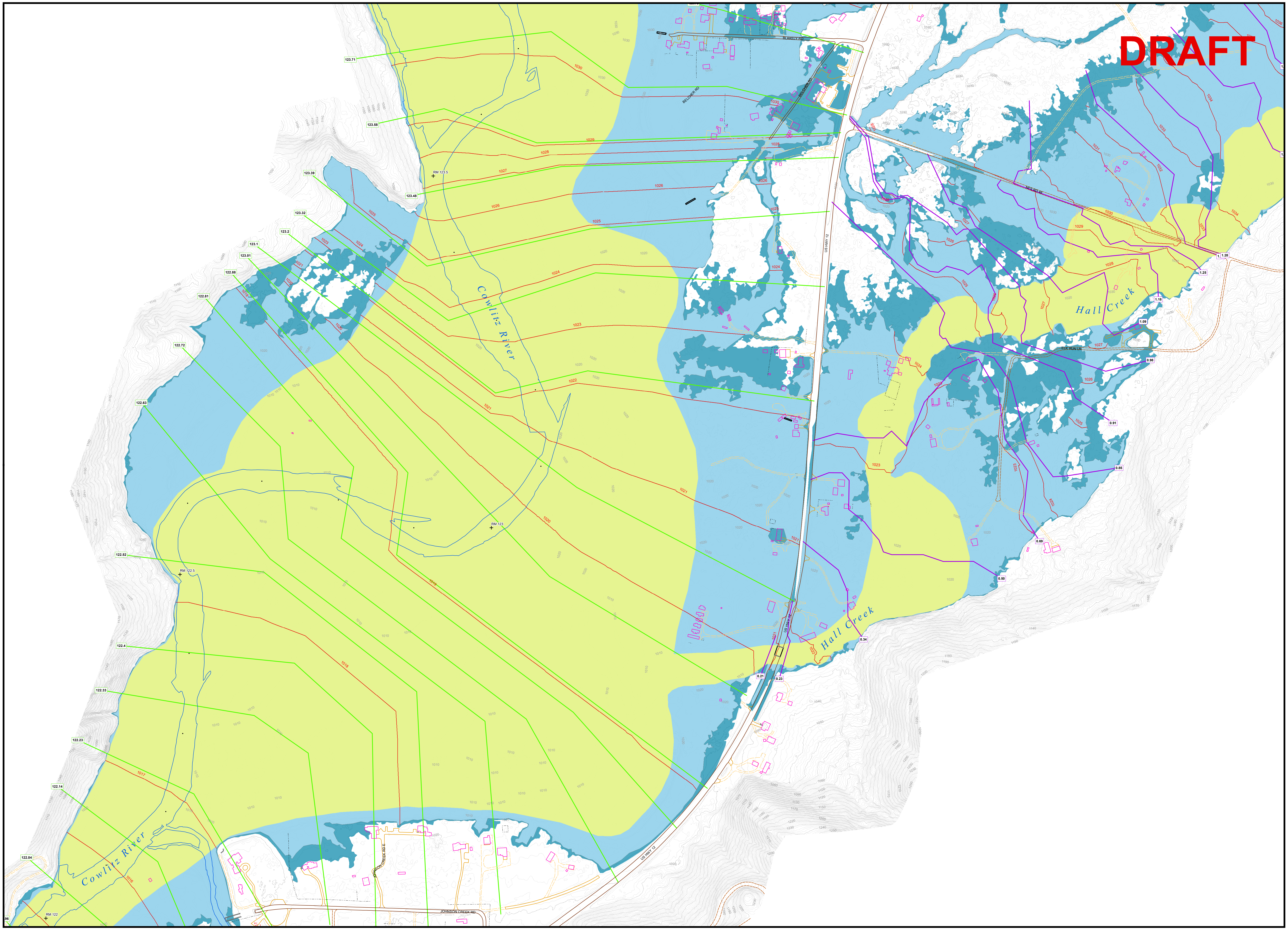
EXHIBIT 4 OF 15

Scale: 1:2,400

NAD 1983 2011 StatePlane
Washington South FIPS
4602 Ft US

18 Oct 2021

WATERSHED
SCIENCE & ENGINEERING



Legend

- Paved Road
- Gravel Road
- Paved Driveway
- Unpaved Driveway
- Building
- Fence
- Bridge
- Wall Bottom
- River Edge
- Standing Water
- Proposed Cross Sections
- Proposed Hall Creek Evaluation Lines
- Proposed Gutter Lines
- Proposed BFE's
- 0.1 River Mile
- + 0.5 River Mile
- Proposed Floodway
- Proposed 100-year Floodplain
- Proposed 500-year Floodplain

Notes:

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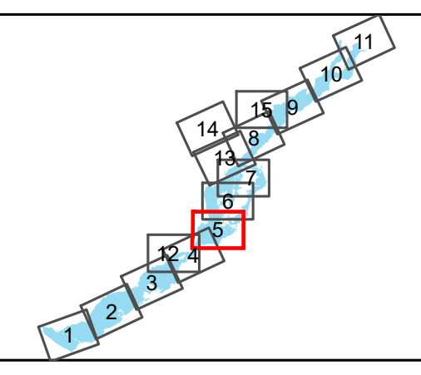
Vertical Datum: NAVD 88, Horzantal Datum: NAD 83 (HARN) 2011

Lewis County, WA



Cowlitz River at Packwood & Hall, Butter, Skate and Willame Creeks
DRAFT Workmap

EXHIBIT 5 OF 15

0 250 500 Feet

N

Scale: 1:2,400

NAD 1983 2011 StatePlane
Washington South FIPS
4602 Ft US

18 Oct 2021

WATERSHED
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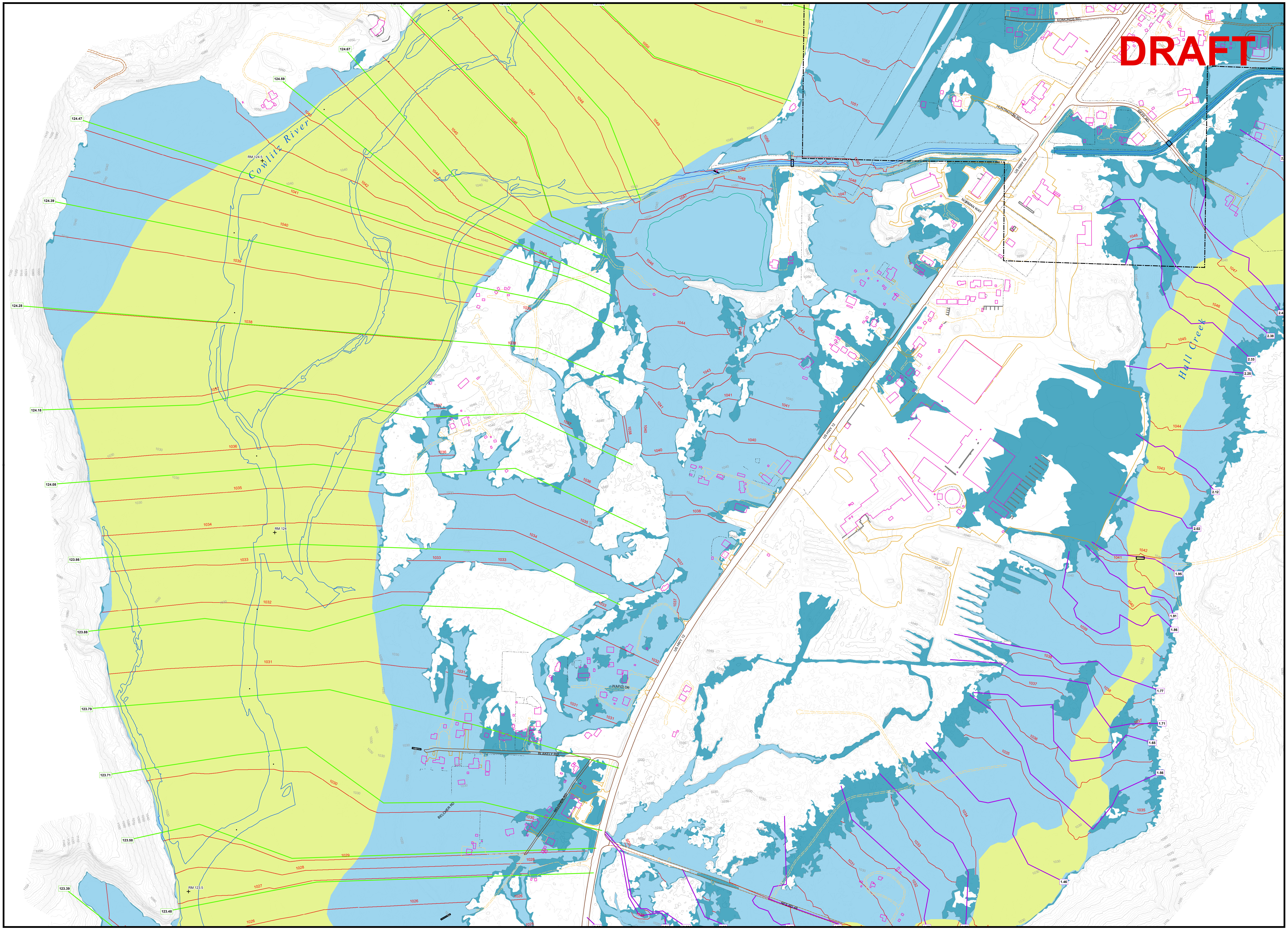

Legend

- Paved Road
- Gravel Road
- Paved Driveway
- Unpaved Driveway
- Building
- Fence
- Bridge
- Wall Bottom
- River Edge
- Standing Water
- Proposed Cross Sections
- Proposed Hall Creek Evaluation Lines
- Proposed Gutter Lines
- Proposed BFE's
- + 0.5 River Mile
- • 0.1 River Mile
- Proposed Floodway
- Proposed 100-year Floodplain
- Proposed 500-year Floodplain

Notes:

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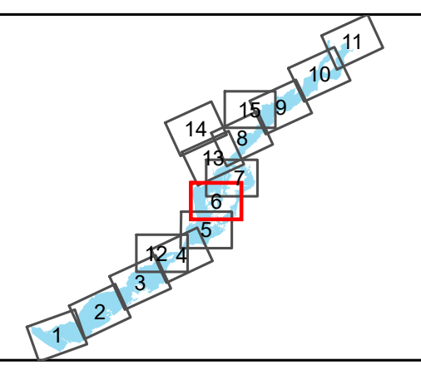
Vertical Datum: NAVD 88, Horzantal Datum: NAD 83 (HARN) 2011

Lewis County, WA



Cowlitz River at Packwood & Hall, Butter, Skate and Willame Creeks DRAFT Workmap

EXHIBIT 6 OF 15

Scale: 1:2,400

NAD 1983 2011 StatePlane
Washington South FIPS
4602 Ft US

18 Oct 2021

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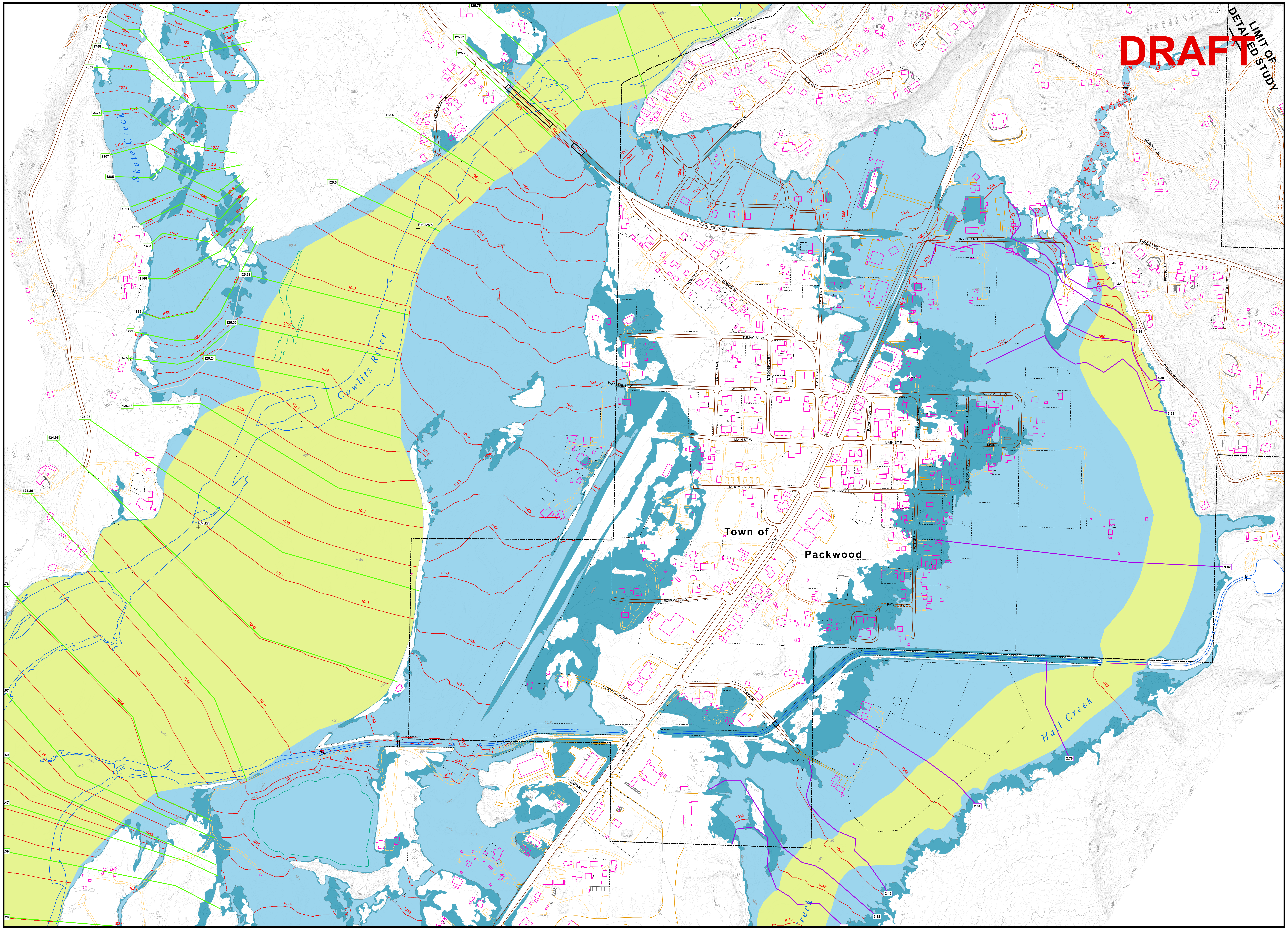

Legend

- Paved Road
- Gravel Road
- Paved Driveway
- Unpaved Driveway
- Building
- Fence
- Bridge
- Wall Bottom
- River Edge
- Standing Water
- Proposed Cross Sections
- Proposed Hall Creek Evaluation Lines
- Proposed Gutter Lines
- Proposed BFE's
- 0.1 River Mile
- + 0.5 River Mile
- 🟨 Proposed Floodway
- 🟦 Proposed 100-year Floodplain
- 🟦 Proposed 500-year Floodplain

Notes:

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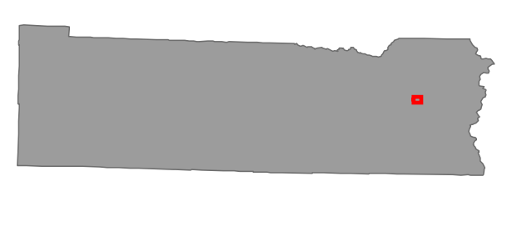
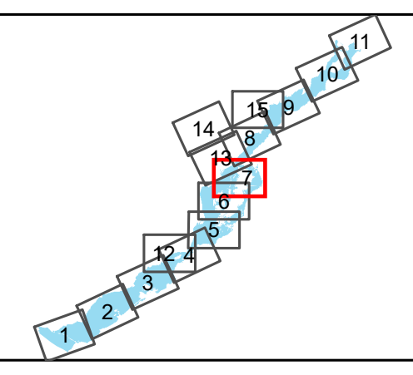
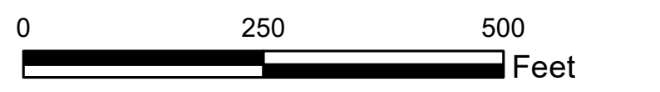
Lewis County, WA





Cowlitz River at Packwood & Hall, Butter, Skate and Willame Creeks DRAFT Workmap

EXHIBIT 7 OF 15



Scale: 1:2,400

NAD 1983 2011 StatePlane
Washington South FIPS
4602 Ft US

18 Oct 2021

WATERSHED
SCIENCE & ENGINEERING

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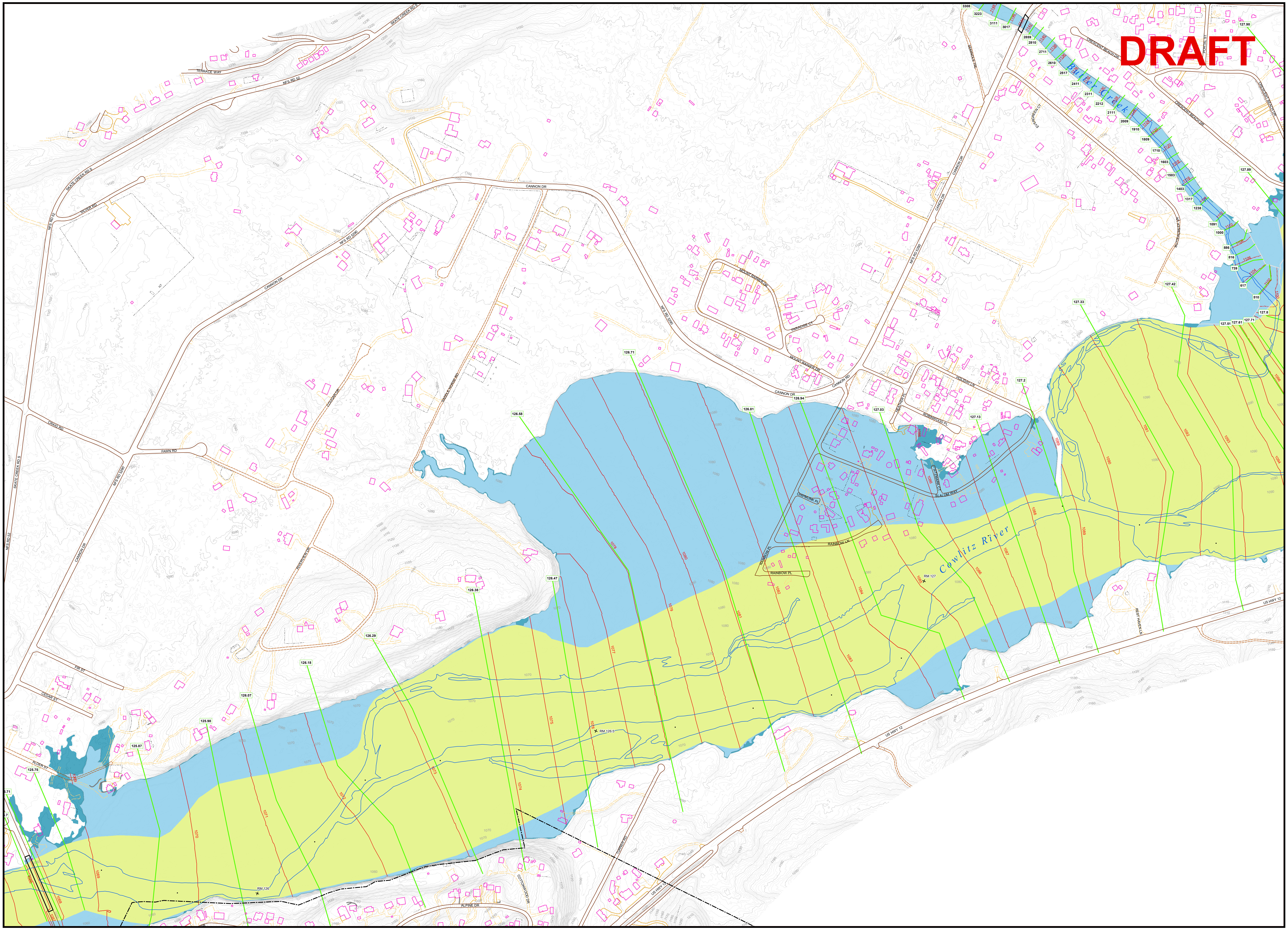

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Legend

Paved Road	Fence	Proposed Cross Sections
Gravel Road	Bridge	Proposed Hall Creek Evaluation Lines
Paved Driveway	Wall Bottom	Proposed Gutter Lines
Unpaved Driveway	River Edge	Proposed BFE's
Building	Standing Water	• 0.1 River Mile

+ 0.5 River Mile

Proposed Floodway

Proposed 100-year Floodplain

Proposed 500-year Floodplain

Notes:

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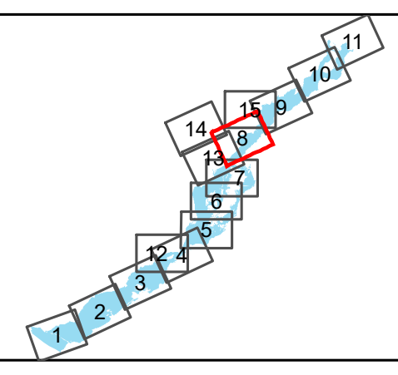
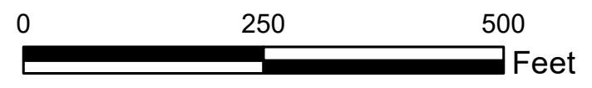
Vertical Datum: NAVD 88, Horzantal Datum: NAD 83 (HARN) 2011

Lewis County, WA



Cowlitz River at Packwood & Hall, Butter, Skate and Willame Creeks DRAFT Workmap

EXHIBIT 8 OF 15



N

Scale: 1:2,400

NAD 1983 2011 StatePlane
Washington South FIPS
4602 Ft US

18 Oct 2021

WATERSHED
SCIENCE & ENGINEERING

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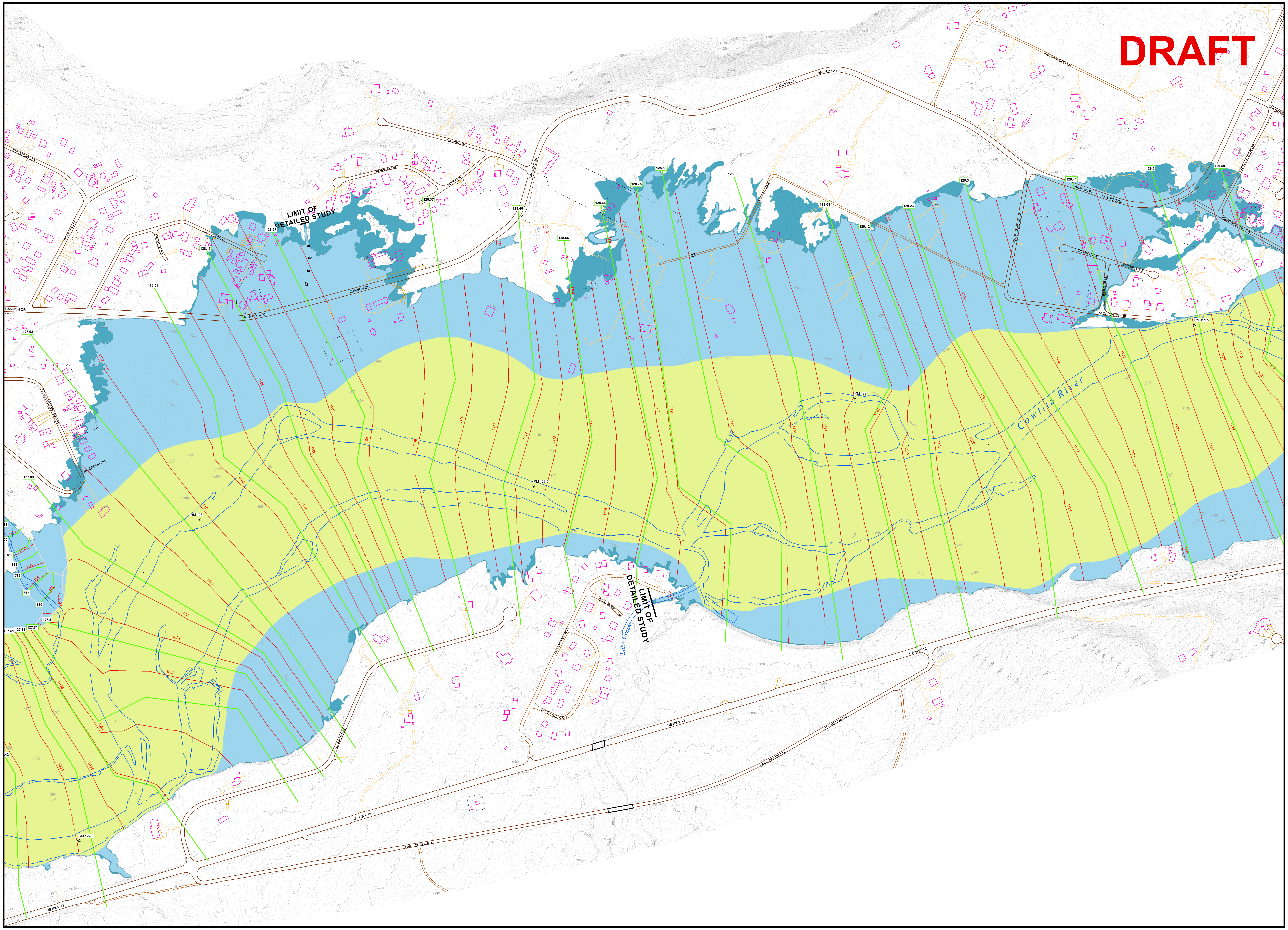

Legend

- Paved Road
- Gravel Road
- Paved Driveway
- Unpaved Driveway
- Building
- Fence
- Bridge
- Wall Bottom
- ☐ River Edge
- ☐ Standing Water
- Proposed Cross Sections
- Proposed Hall Creek Evaluation Lines
- Proposed Gutter Lines
- Proposed BFE's
- • 0.1 River Mile
- + 0.5 River Mile
- 🟨 Proposed Floodway
- ▭ Proposed 100-year Floodplain
- 🟦 Proposed 500-year Floodplain

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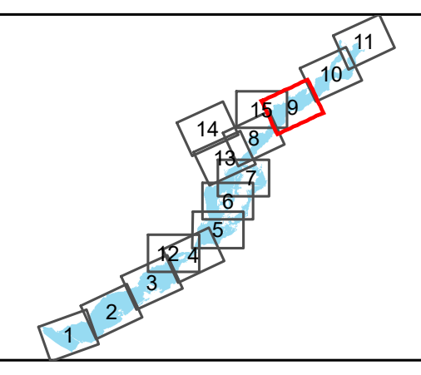
Lewis County, WA



Cowlitz River at Packwood & Hall, Butter, Skate and Willame Creeks DRAFT Workmap

EXHIBIT 9 OF 15

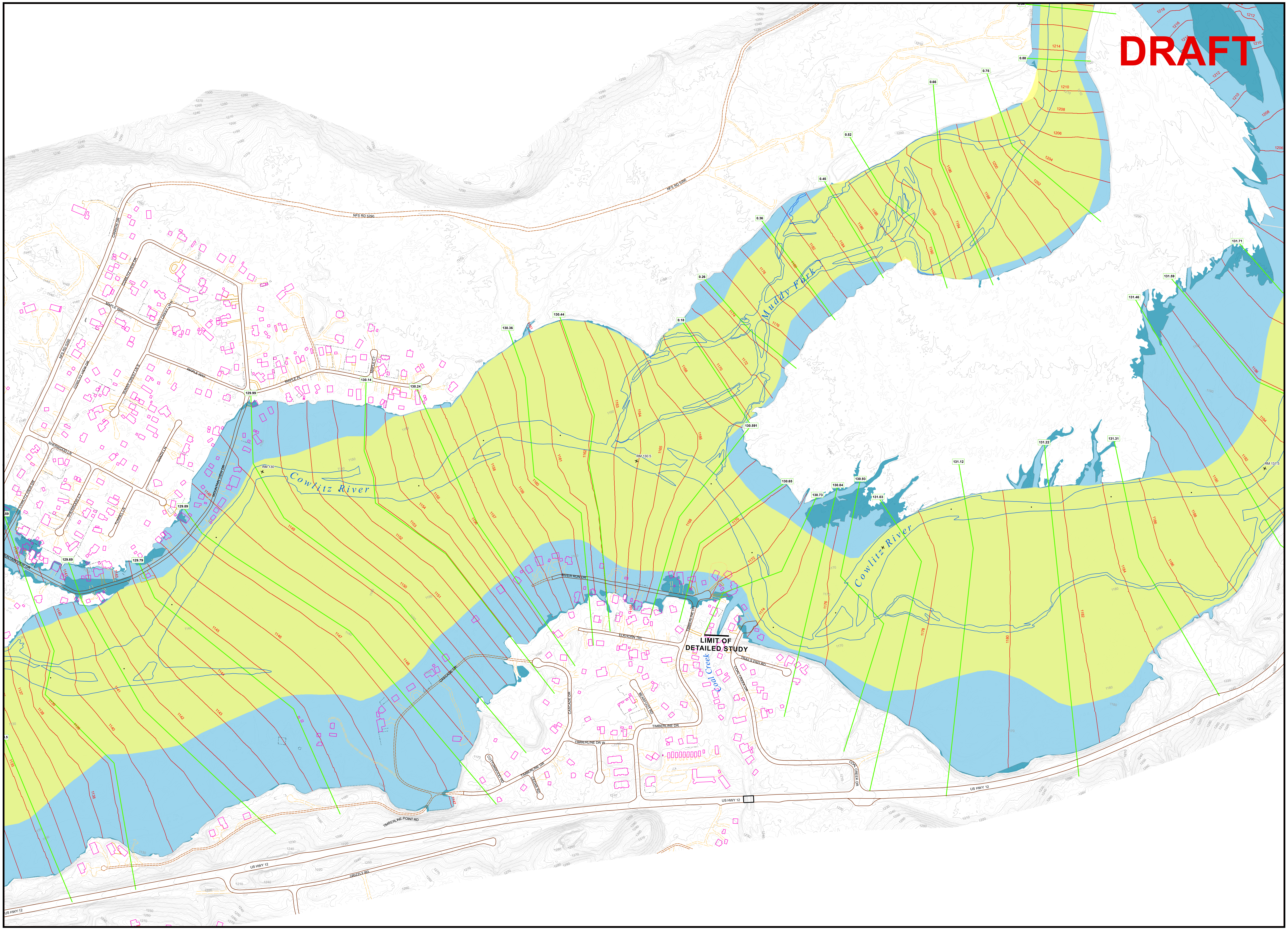
0 250 500 Feet

Scale: 1:2,400

NAD 1983 2011 StatePlane
Washington South FIPS
4602 Ft US

18 Oct 2021

WATERSHED
SCIENCE & ENGINEERING



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Legend

- Paved Road
- Gravel Road
- Paved Driveway
- Unpaved Driveway
- Building
- Fence
- Bridge
- Wall Bottom
- ☐ River Edge
- ☐ Standing Water
- Proposed Cross Sections
- Proposed Hall Creek Evaluation Lines
- Proposed Gutter Lines
- Proposed BFE's
- • 0.1 River Mile
- + 0.5 River Mile
- 🟨 Proposed Floodway
- ▨ Proposed 100-year Floodplain
- ■ Proposed 500-year Floodplain

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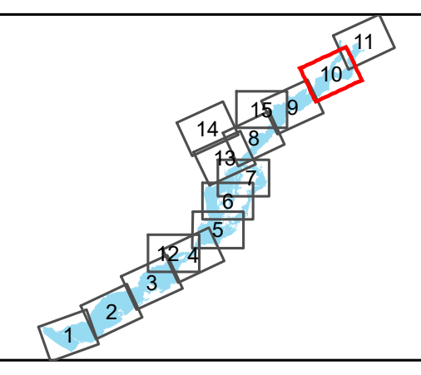
Vertical Datum: NAVD 88, Horzantal Datum: NAD 83 (HARN) 2011

Lewis County, WA



Cowlitz River at Packwood & Hall, Butter, Skate and Willame Creeks
DRAFT Workmap
EXHIBIT 10 OF 15

0 250 500 Feet

N

Scale: 1:2,400

NAD 1983 2011 StatePlane
Washington South FIPS
4602 Ft US

18 Oct 2021

WATERSHED
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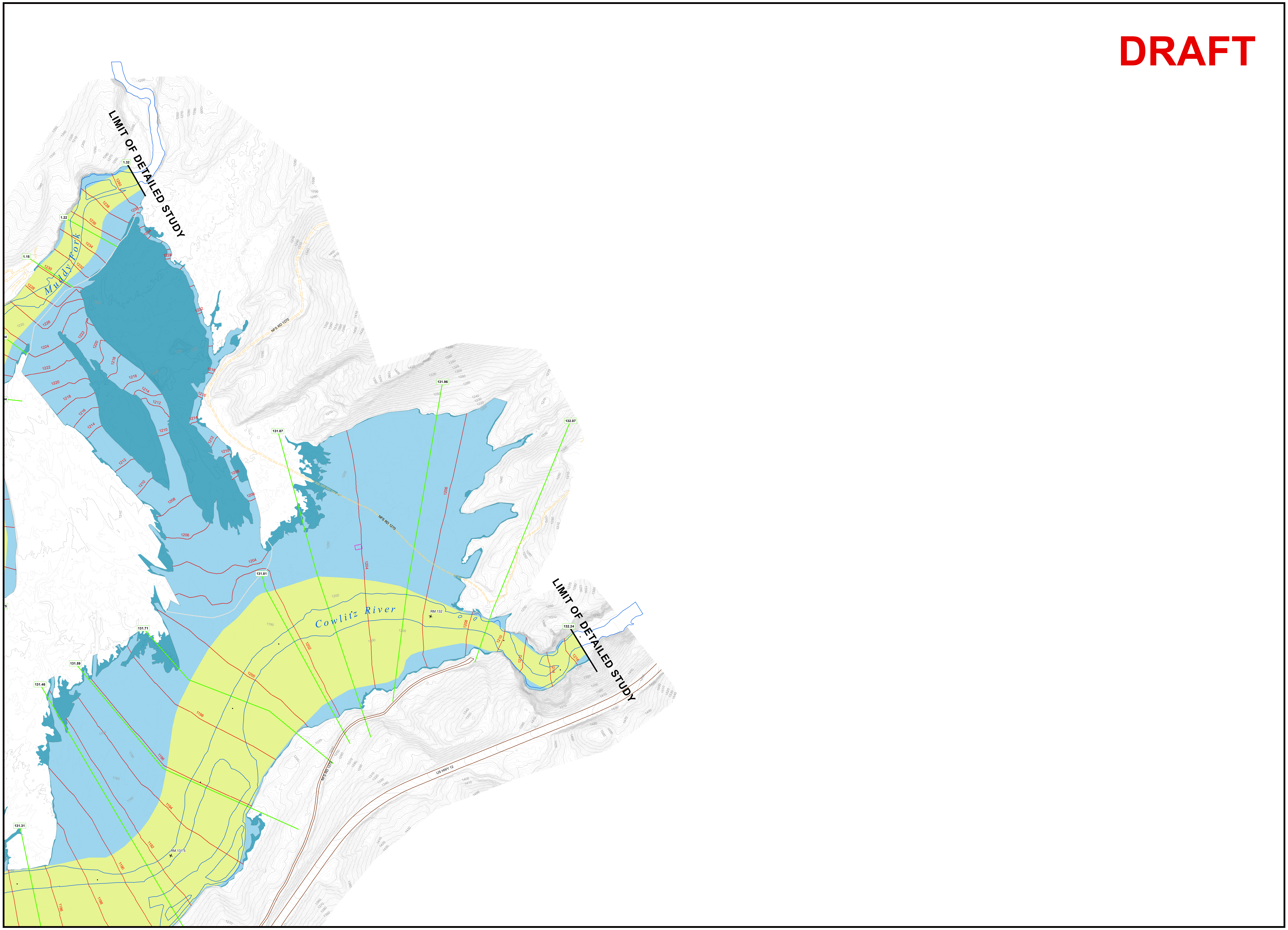

Legend

- Paved Road
- Gravel Road
- Paved Driveway
- Unpaved Driveway
- Building
- Fence
- Bridge
- Wall Bottom
- River Edge
- Standing Water
- Proposed Cross Sections
- Proposed Hall Creek Evaluation Lines
- Proposed Gutter Lines
- Proposed BFE's
- • 0.1 River Mile
- + 0.5 River Mile
- Proposed Floodway
- Proposed 100-year Floodplain
- Proposed 500-year Floodplain

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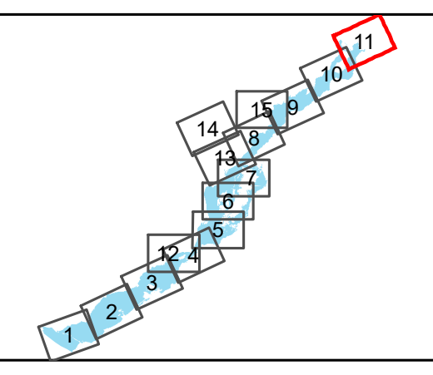
Vertical Datum: NAVD 88, Horzantal Datum: NAD 83 (HARN) 2011

Lewis County, WA



Cowlitz River at Packwood & Hall, Butter, Skate and Willame Creeks
DRAFT Workmap
EXHIBIT 11 OF 15

0 250 500 Feet
N

Scale: 1:2,400

NAD 1983 2011 StatePlane
Washington South FIPS
4602 Ft US

18 Oct 2021

WATERSHED
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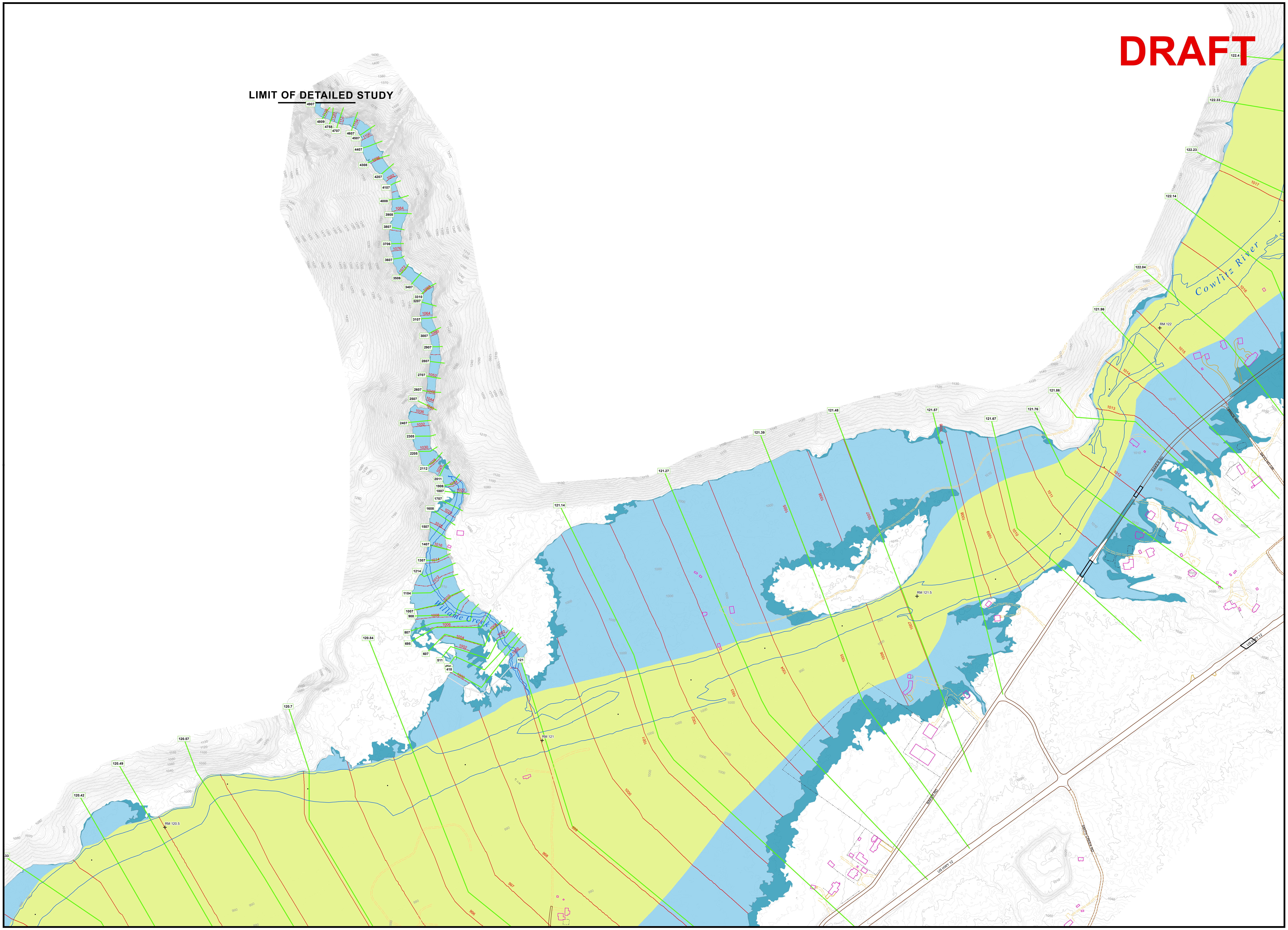

Legend

- Paved Road
- Gravel Road
- Paved Driveway
- Unpaved Driveway
- Building
- Fence
- Bridge
- Wall Bottom
- River Edge
- Standing Water
- Proposed Cross Sections
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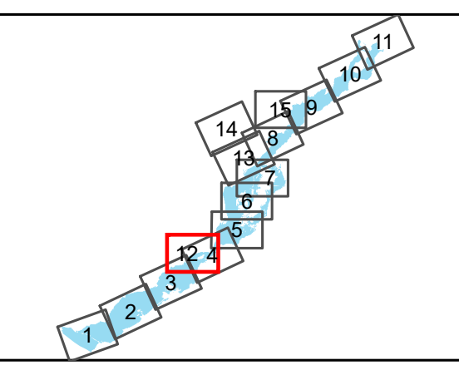
Topography based on 2020 LiDAR by GeoTerra, Inc. This data set was produced to meet ASPRS Positional Accuracy Standards for Digital Geospatial Data (2014) for a 0.33 ft RMSEz Veritcal Accuracy Class. Contour interval: 2 feet

Vertical Datum: NAVD 88, Horzantal Datum: NAD 83 (HARN) 2011

Lewis County, WA



Cowlitz River at Packwood & Hall, Butter, Skate and Willame Creeks
DRAFT Workmap

EXHIBIT 12 OF 15

Scale: 1:2,400

NAD 1983 2011 StatePlane
Washington South FIPS
4602 Ft US

18 Oct 2021

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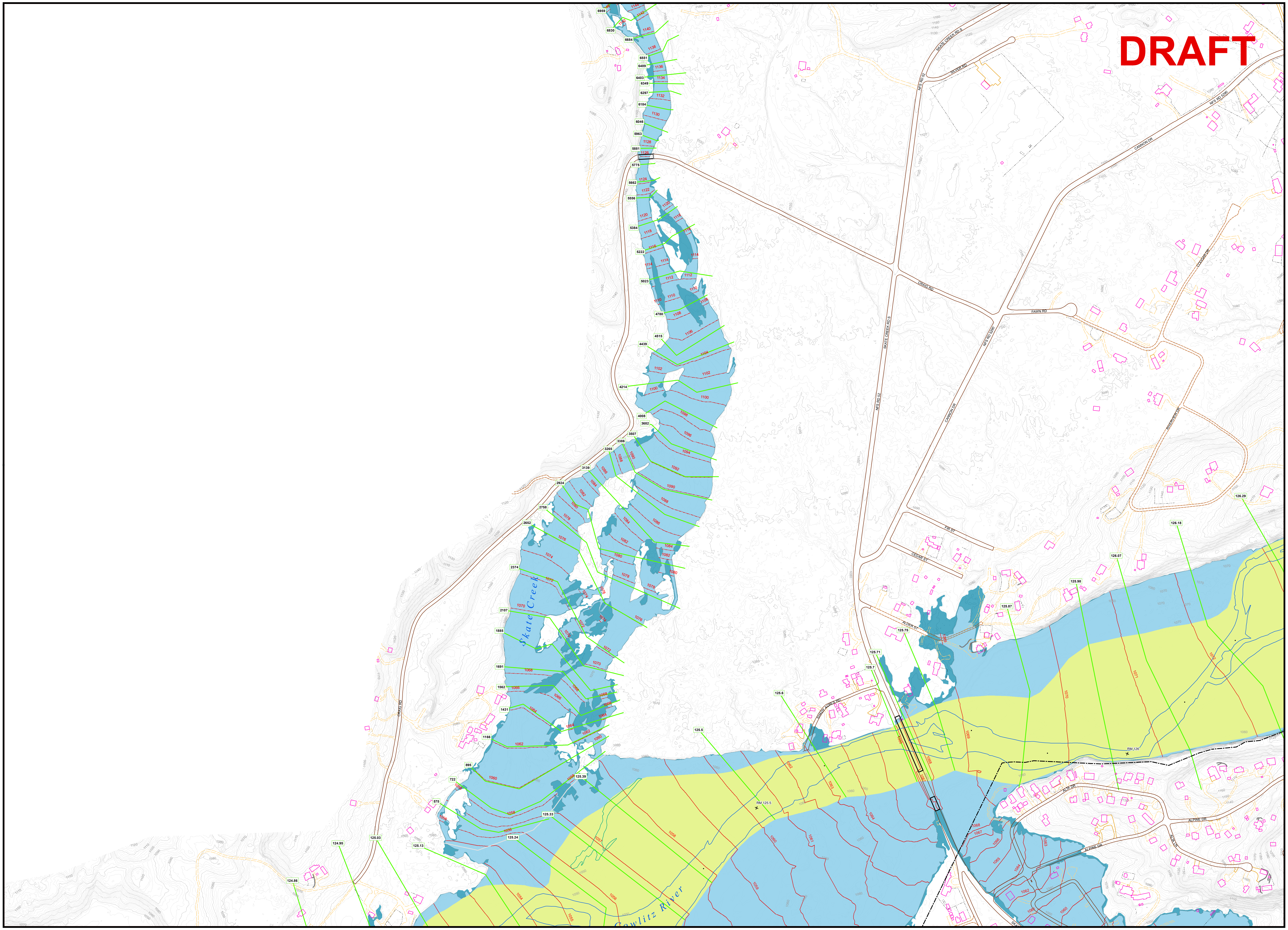

Legend

- Paved Road
- Gravel Road
- Paved Driveway
- Unpaved Driveway
- Building
- Fence
- Bridge
- Wall Bottom
- River Edge
- Standing Water
- Proposed Cross Sections
- Proposed Hall Creek Evaluation Lines
- Proposed Gutter Lines
- Proposed BFE's
- • 0.1 River Mile
- + 0.5 River Mile
- Proposed Floodway
- Proposed 100-year Floodplain
- Proposed 500-year Floodplain

Notes:

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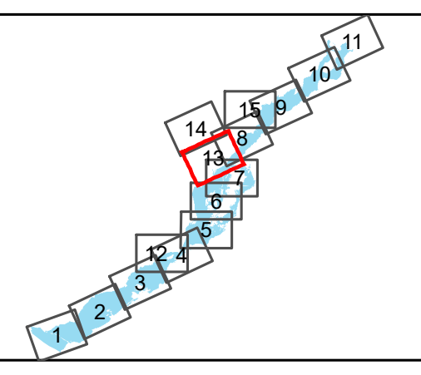
Vertical Datum: NAVD 88, Horzantal Datum: NAD 83 (HARN) 2011

Lewis County, WA



Cowlitz River at Packwood & Hall, Butter, Skate and Willame Creeks
DRAFT Workmap
EXHIBIT 13 OF 15

0 250 500 Feet

Scale: 1:2,400

NAD 1983 2011 StatePlane
Washington South FIPS
4602 Ft US

N

18 Oct 2021

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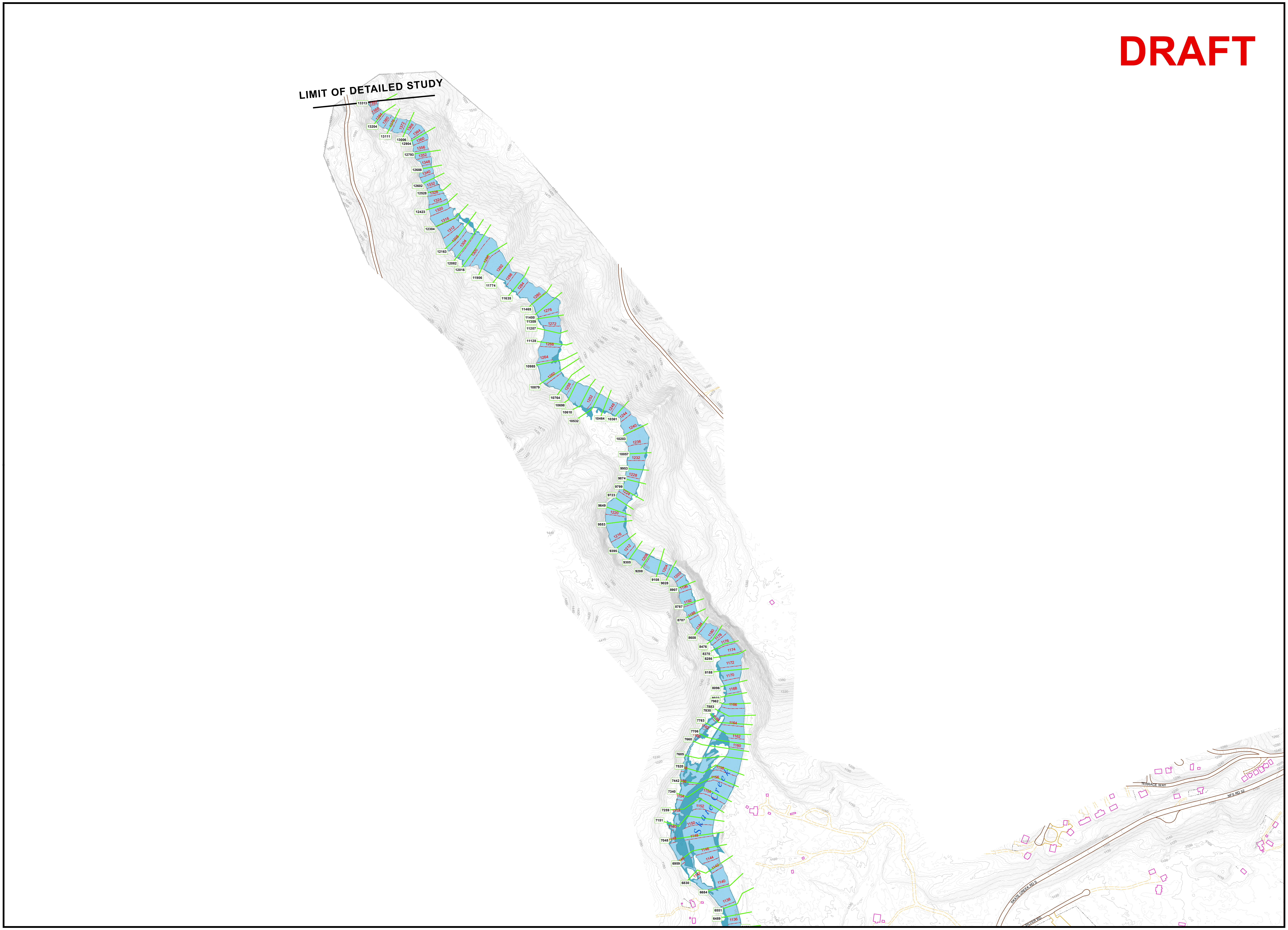
DRAFT



Legend

Paved Road	Fence	Proposed Cross Sections	+ 0.5 River Mile
Gravel Road	Bridge	Proposed Hall Creek Evaluation Lines	Proposed Floodway
Paved Driveway	Wall Bottom	Proposed Gutter Lines	Proposed 100-year Floodplain
Unpaved Driveway	River Edge	Proposed BFE's	Proposed 500-year Floodplain
Building	Standing Water	• 0.1 River Mile	

Notes:

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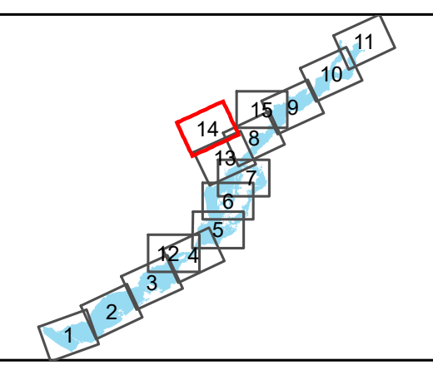
Vertical Datum: NAVD 88, Horzantal Datum: NAD 83 (HARN) 2011

Lewis County, WA



Cowlitz River at Packwood & Hall, Butter, Skate and Willame Creeks DRAFT Workmap

EXHIBIT 14 OF 15

0 250 500
Feet

Scale: 1:2,400

NAD 1983 2011 StatePlane
Washington South FIPS
4602 Ft US

18 Oct 2021

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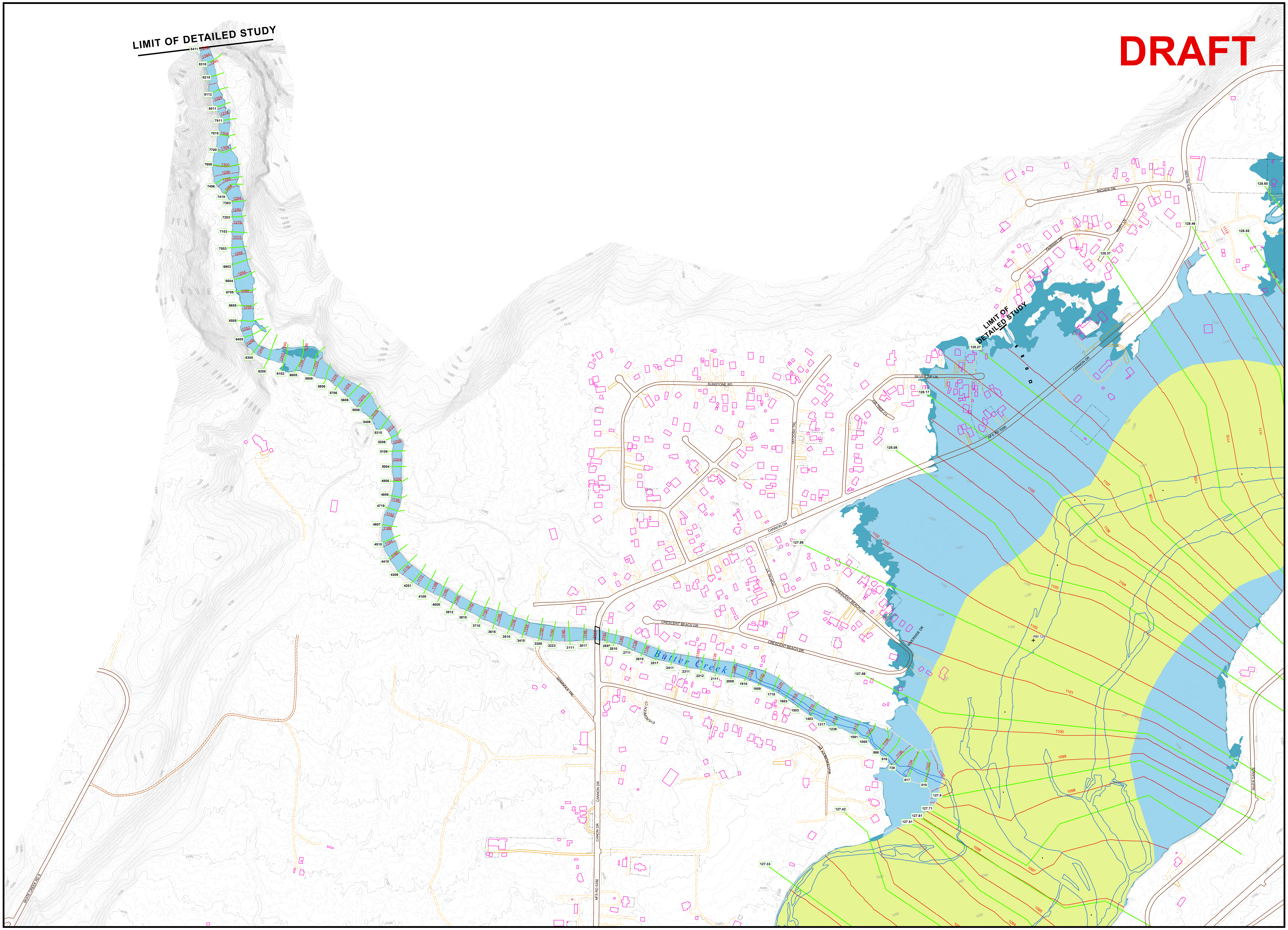

Legend

- Paved Road
- Gravel Road
- Paved Driveway
- Unpaved Driveway
- Building
- Fence
- Bridge
- Wall Bottom
- River Edge
- Standing Water
- Proposed Cross Sections
- Proposed Hall Creek Evaluation Lines
- Proposed Gutter Lines
- Proposed BFE's
- • 0.1 River Mile
- + 0.5 River Mile
- Proposed Floodway
- Proposed 100-year Floodplain
- Proposed 500-year Floodplain

Notes:

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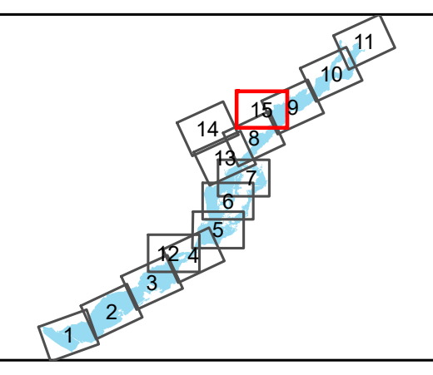
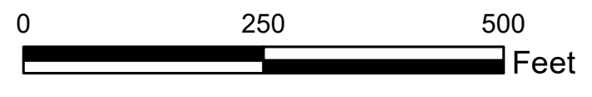
Vertical Datum: NAVD 88, Horzantal Datum: NAD 83 (HARN) 2011

Lewis County, WA



Cowlitz River at Packwood & Hall, Butter, Skate and Willame Creeks
DRAFT Workmap
EXHIBIT 15 OF 15



Scale: 1:2,400

NAD 1983 2011 StatePlane
Washington South FIPS
4602 Ft US

N

18 Oct 2021

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