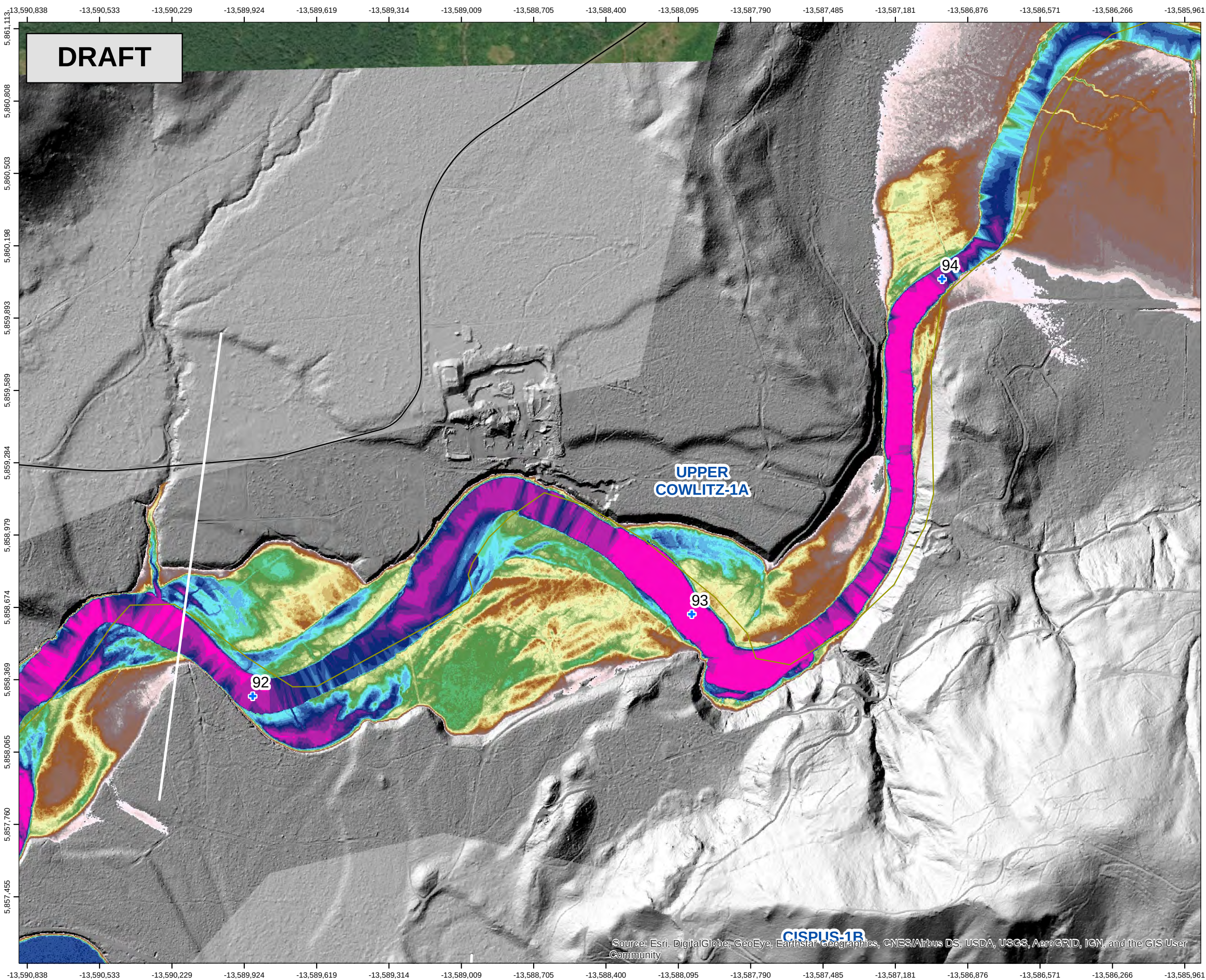


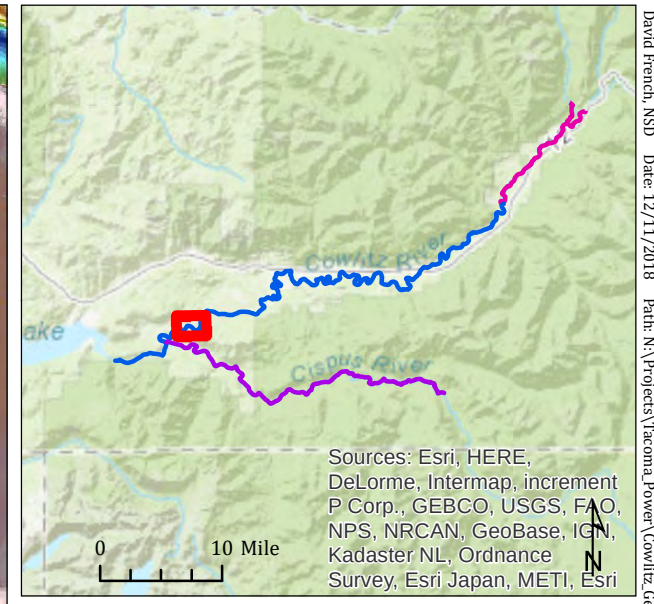


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UPPER
COWLITZ-1A

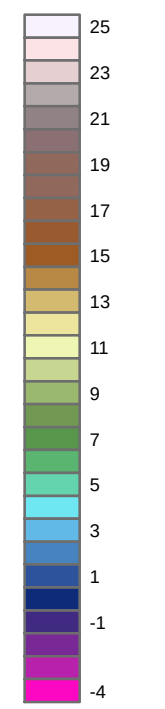
CISPUS-1B

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Cowlitz Geomorphic Assessment Relative Elevation Mapbook

Relative
Elevation (ft)



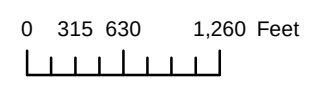
+ River Mile Marker

Topography: 2018 Topobathy LiDAR (Tacoma Power) for Cowlitz downstream of RM 124; 2009 LiDAR (Lewis County) for Cowlitz upstream of RM 124 and for Cispus.

Roads: Lewis County

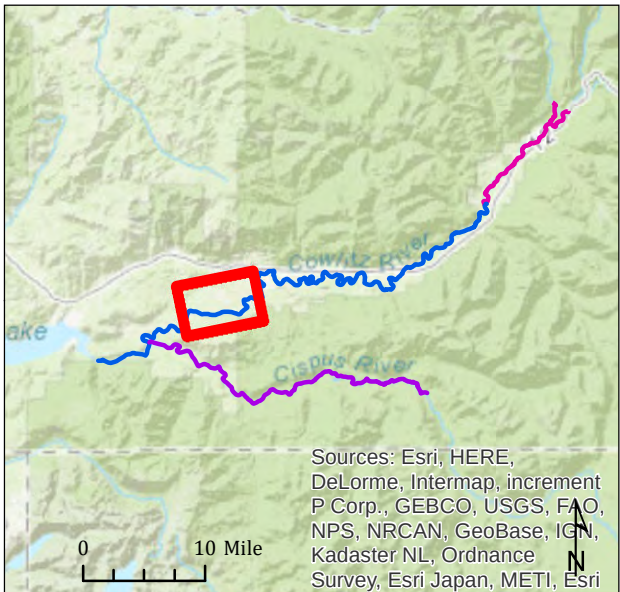
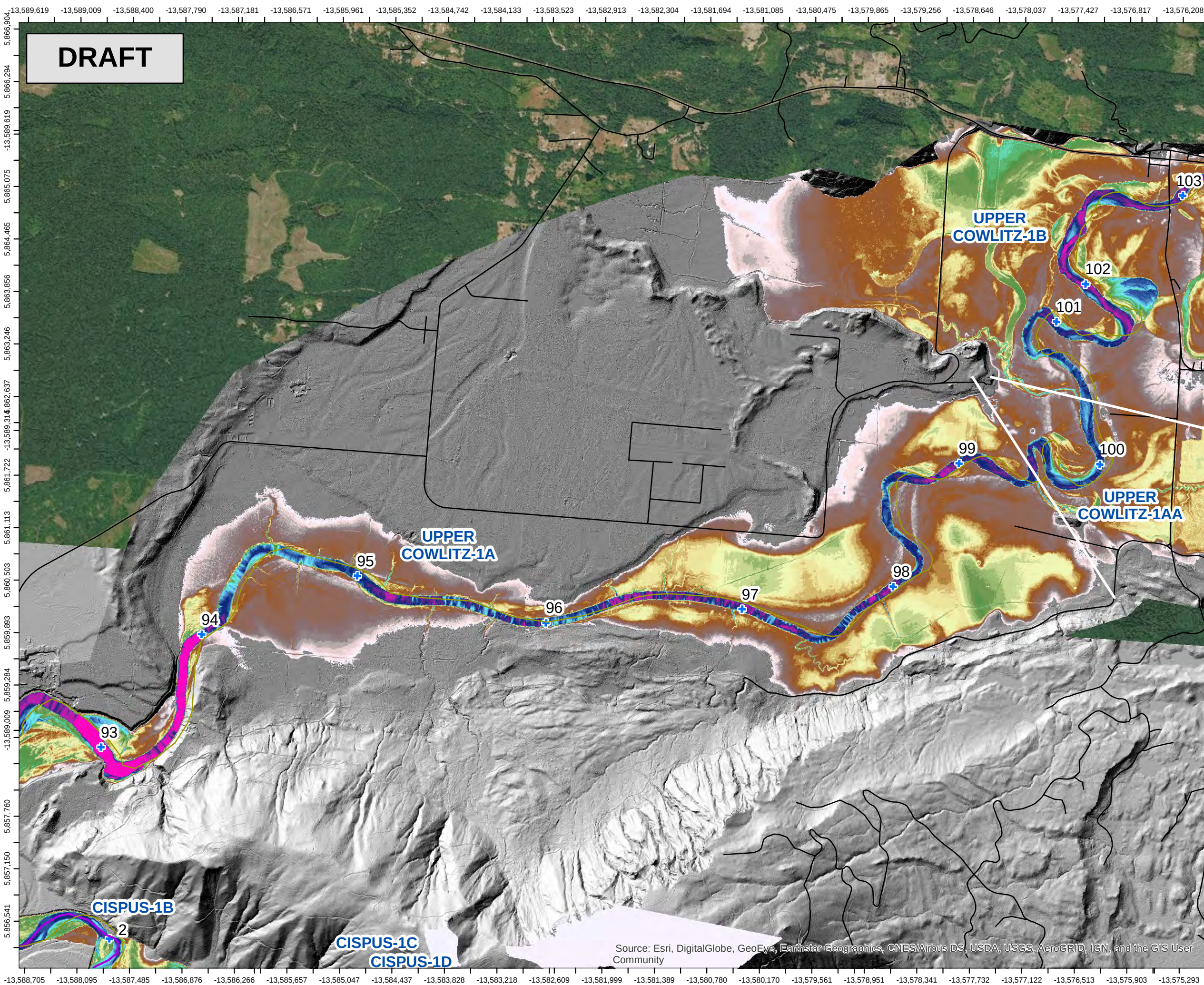
Streams: NSD

River Miles: Lewis County



Lambert conformal conic projection, NAD 1983
State Plane Coordinate System (WA South Zone)





Cowlitz Geomorphic Assessment Relative Elevation Mapbook

Relative Elevation (ft)

25
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 River Mile Marker

Topography: 2018 Topobathy LiDAR (Tacoma Power) for Cowlitz downstream of RM 124; 2009 LiDAR (Lewis County) for Cowlitz upstream of RM 124 and for Cispus.

Roads: Lewis County

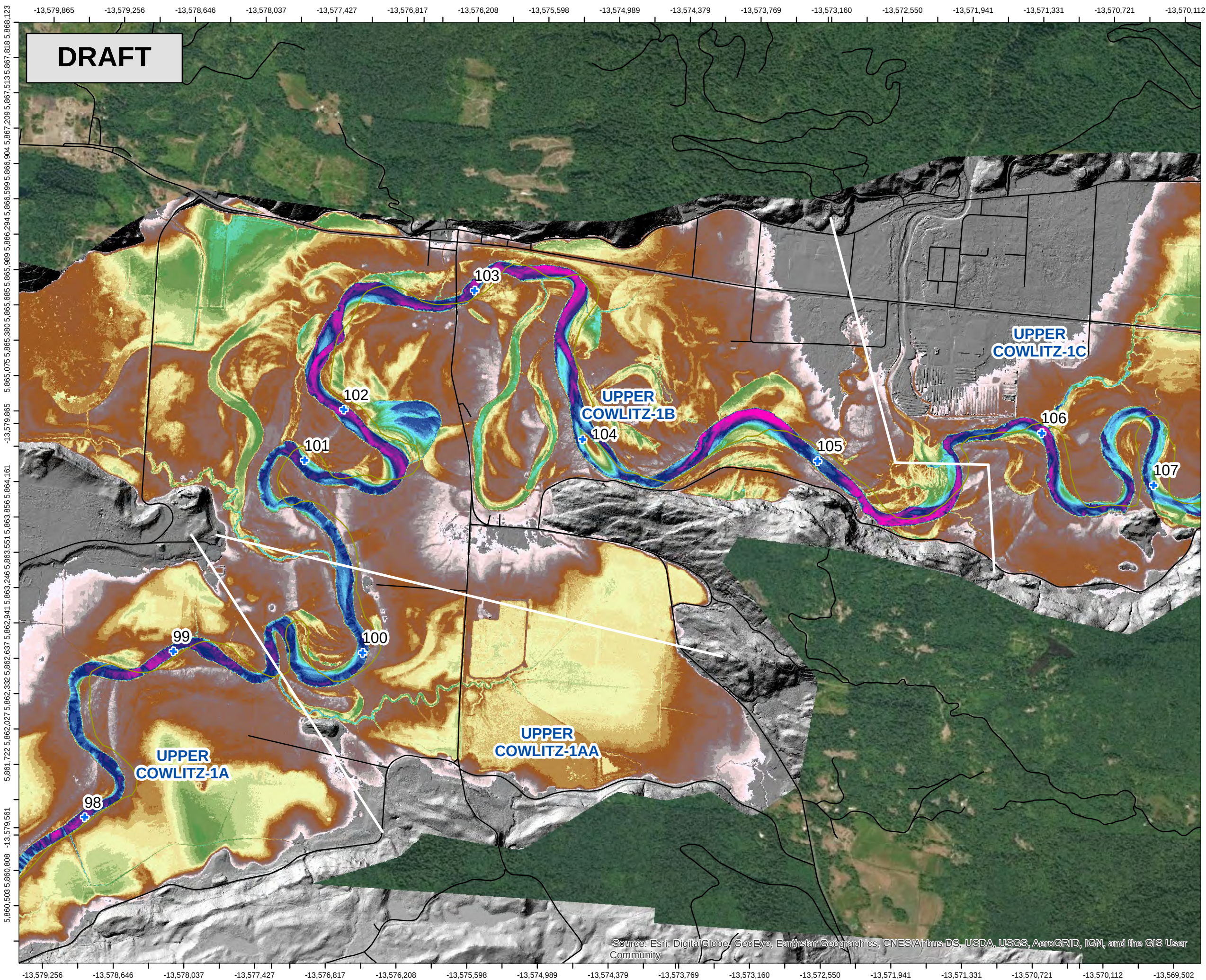
Streams: NSD

River Miles: Lewis County

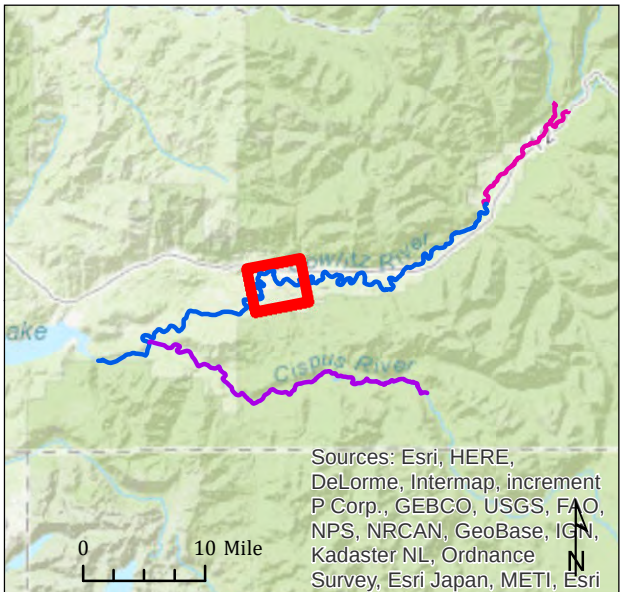
0 875 1,750 3,500 Feet

Lambert conformal conic projection, NAD 1983
State Plane Coordinate System (WA South Zone)

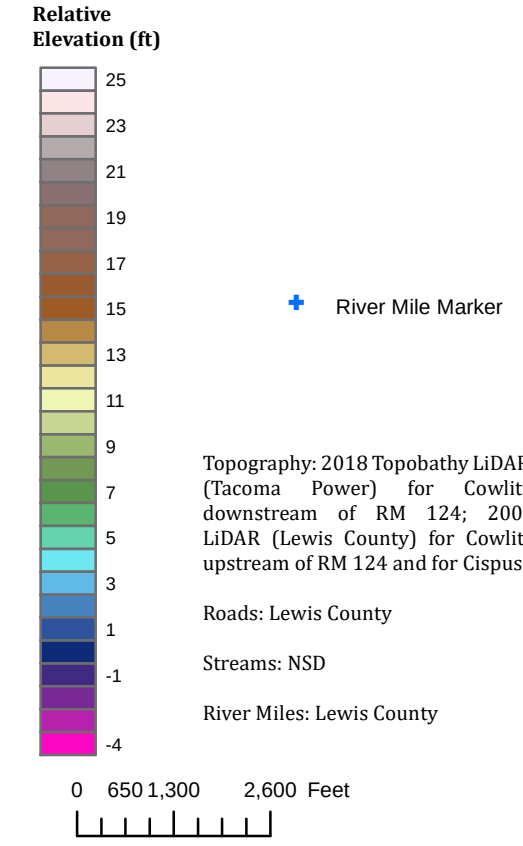
Natural Systems Design



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

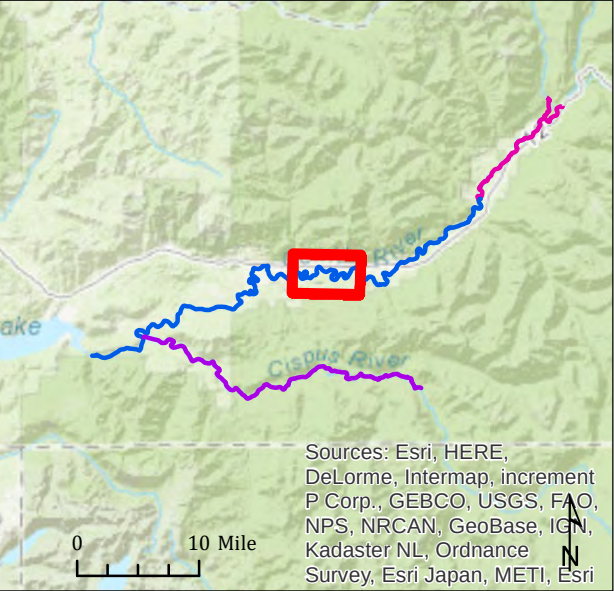
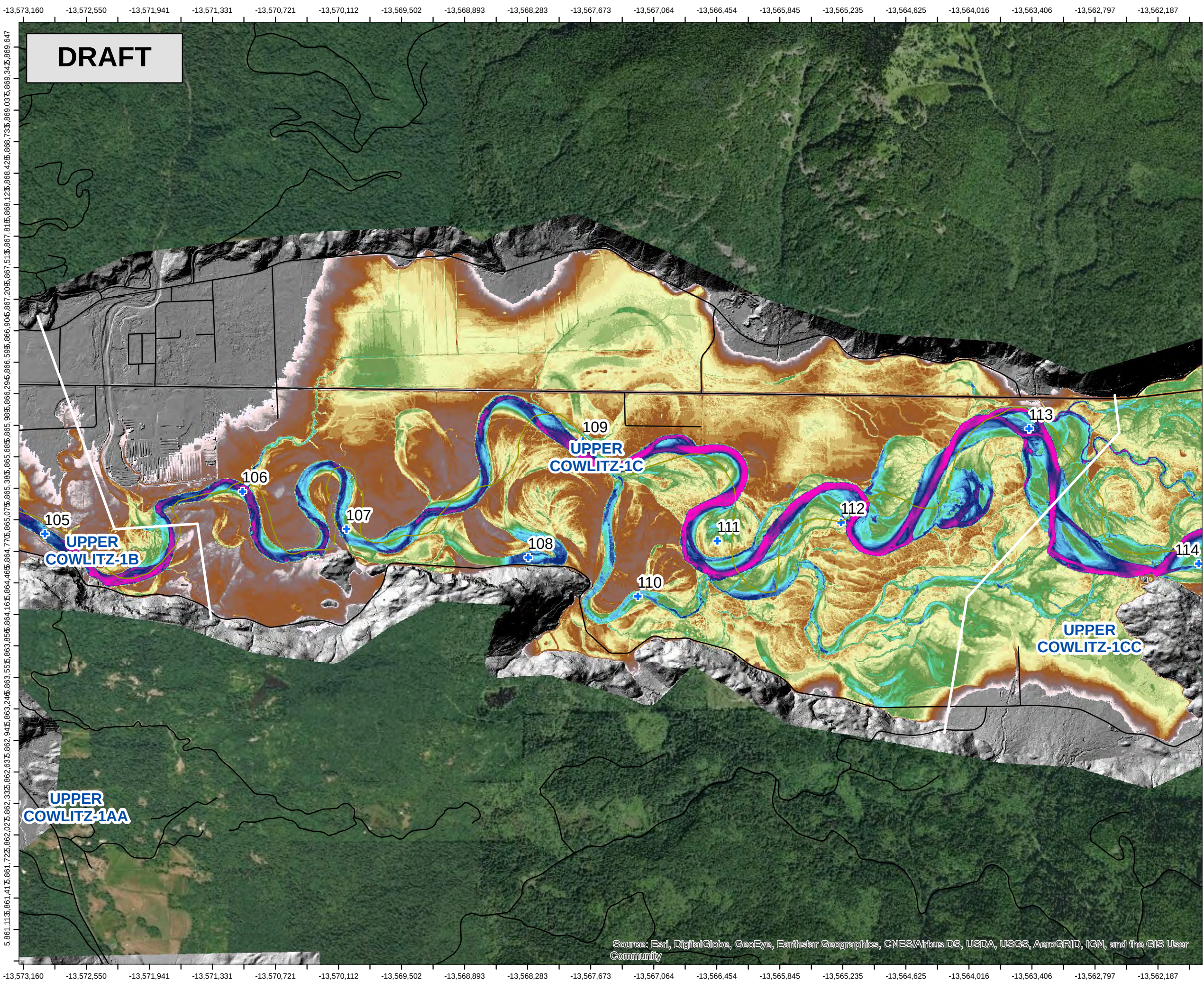


Cowlitz Geomorphic Assessment Relative Elevation Mapbook



Lambert conformal conic projection, NAD 1983
State Plane Coordinate System (WA South Zone)





Cowlitz Geomorphic Assessment Relative Elevation Mapbook

Relative Elevation (ft)

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River Mile Marker

Topography: 2018 Topobathy LiDAR (Tacoma Power) for Cowlitz downstream of RM 124; 2009 LiDAR (Lewis County) for Cowlitz upstream of RM 124 and for Cispus.

Roads: Lewis County

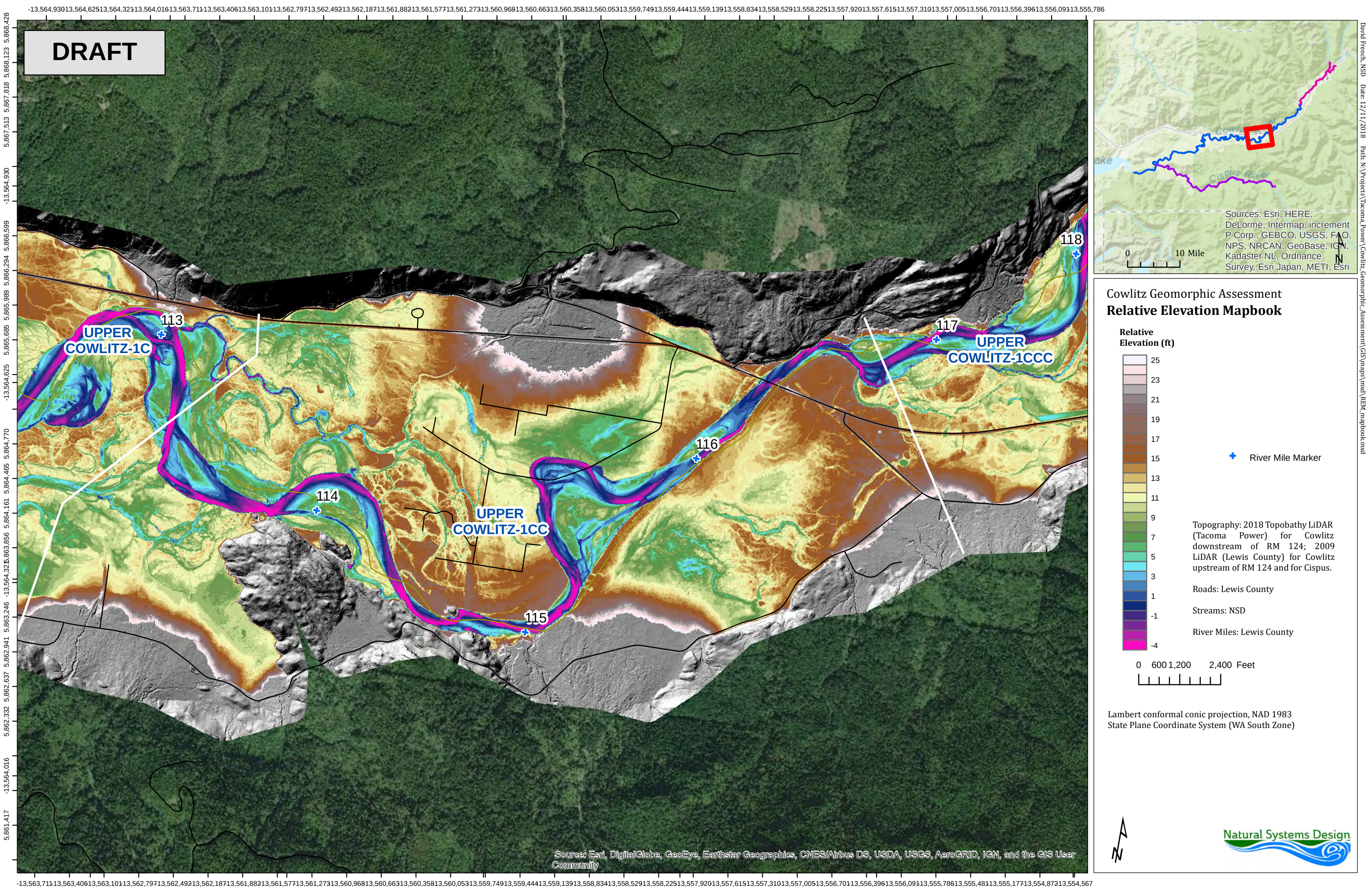
Streams: NSD

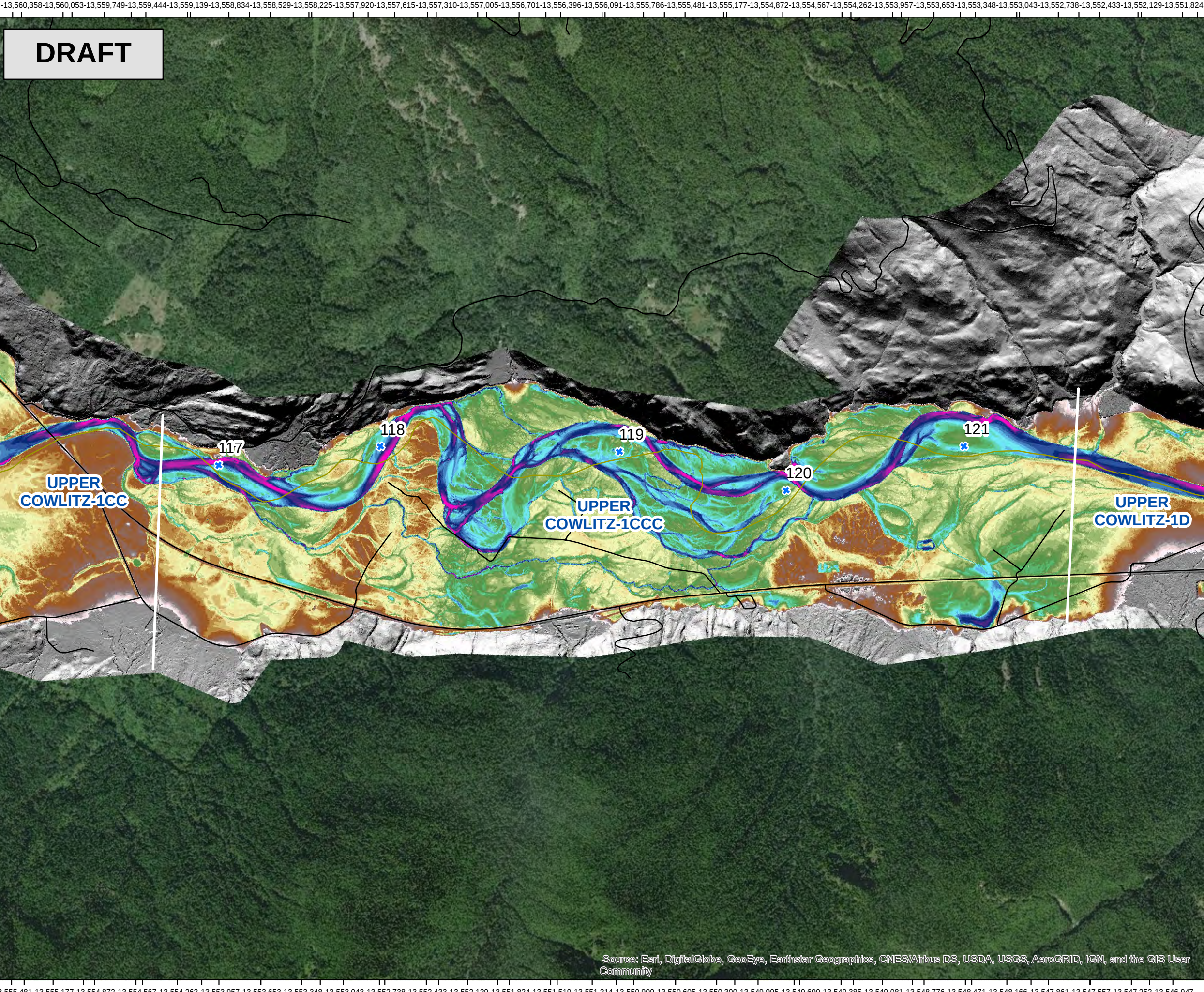
River Miles: Lewis County

0 7001,400 2,800 Feet

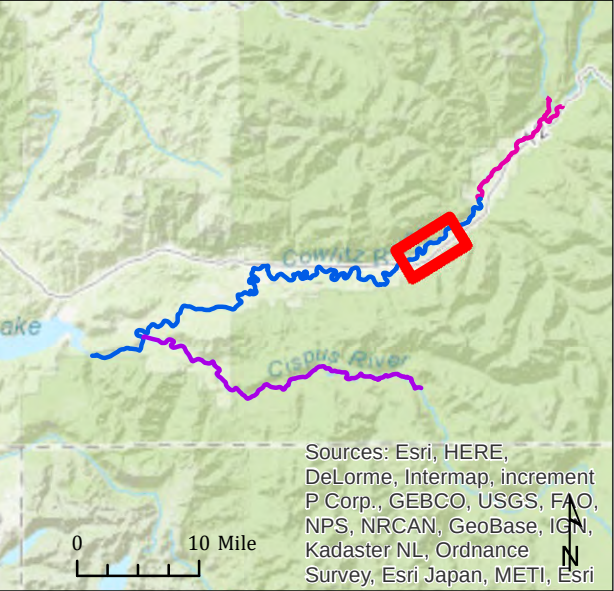
Lambert conformal conic projection, NAD 1983
State Plane Coordinate System (WA South Zone)

Natural Systems Design





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Cowlitz Geomorphic Assessment Relative Elevation Mapbook

Relative Elevation (ft)

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+ River Mile Marker

Topography: 2018 Topobathy LiDAR (Tacoma Power) for Cowlitz downstream of RM 124; 2009 LiDAR (Lewis County) for Cowlitz upstream of RM 124 and for Cispus.

Roads: Lewis County

Streams: NSD

River Miles: Lewis County

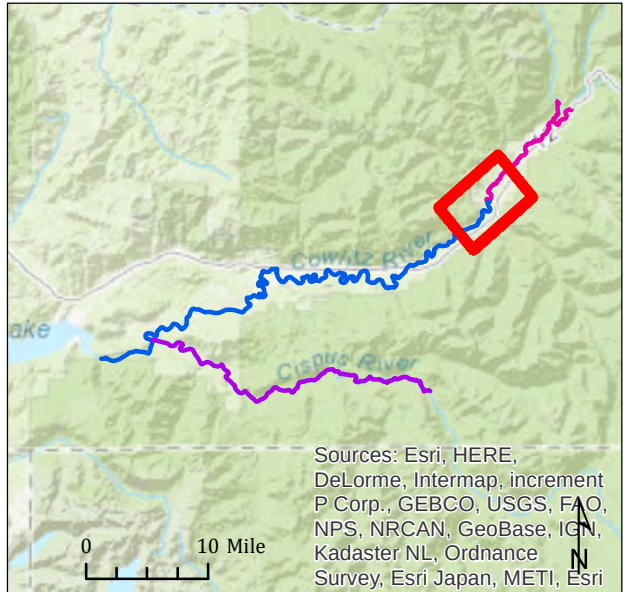
0 6501,300 2,600 Feet

Lambert conformal conic projection, NAD 1983
State Plane Coordinate System (WA South Zone)

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

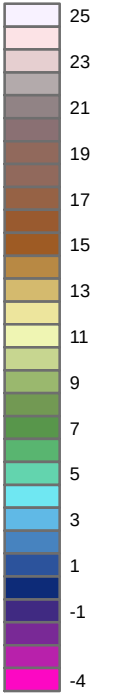
Natural Systems Design

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Cowlitz Geomorphic Assessment Relative Elevation Mapbook

Relative
Elevation (ft)



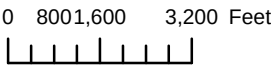
+ River Mile Marker

Topography: 2018 Topobathy LiDAR (Tacoma Power) for Cowlitz downstream of RM 124; 2009 LiDAR (Lewis County) for Cowlitz upstream of RM 124 and for Cispus.

Roads: Lewis County

Streams: NSD

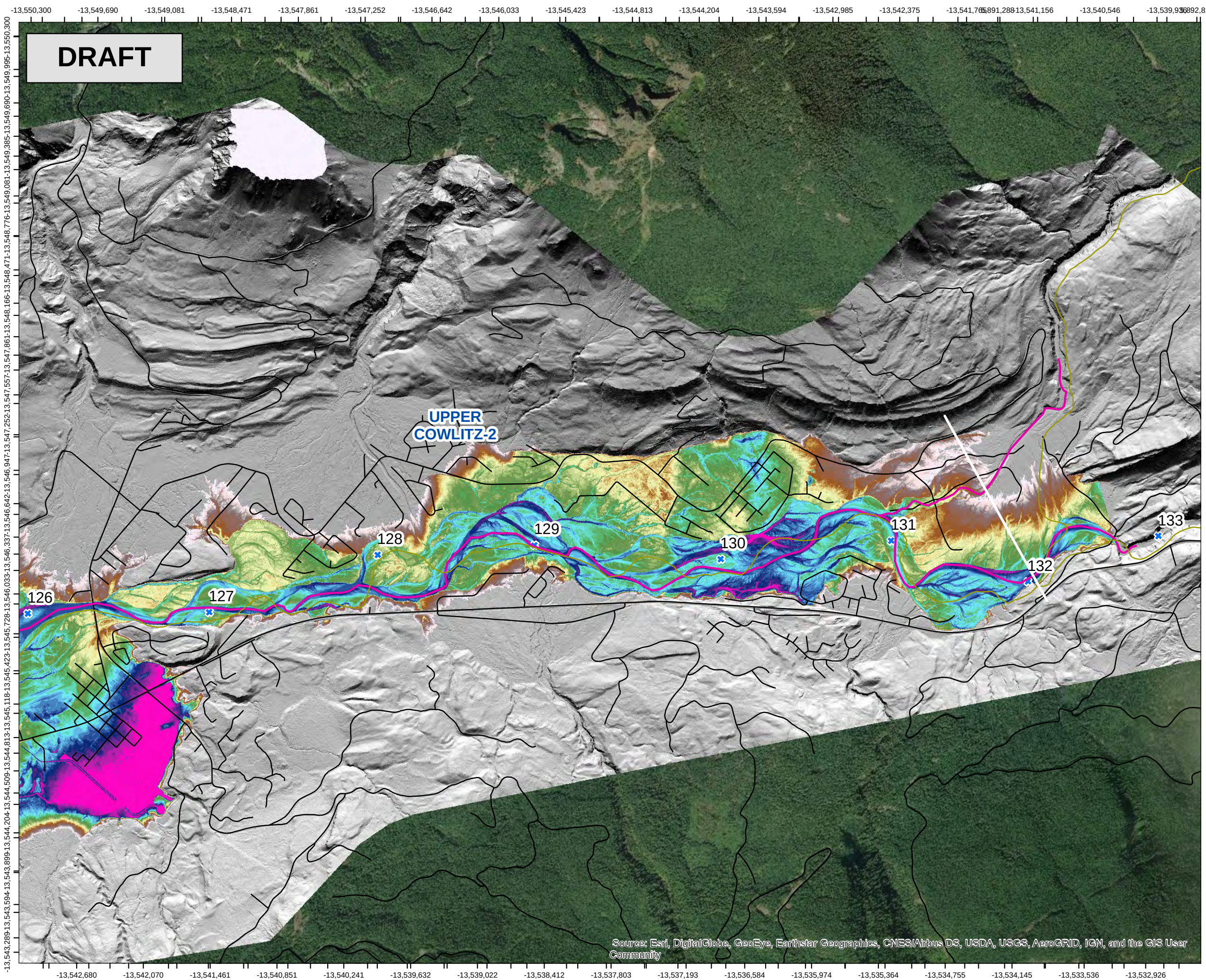
River Miles: Lewis County



Lambert conformal conic projection, NAD 1983
State Plane Coordinate System (WA South Zone)



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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UPPER
COWLITZ-2

126

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128

129

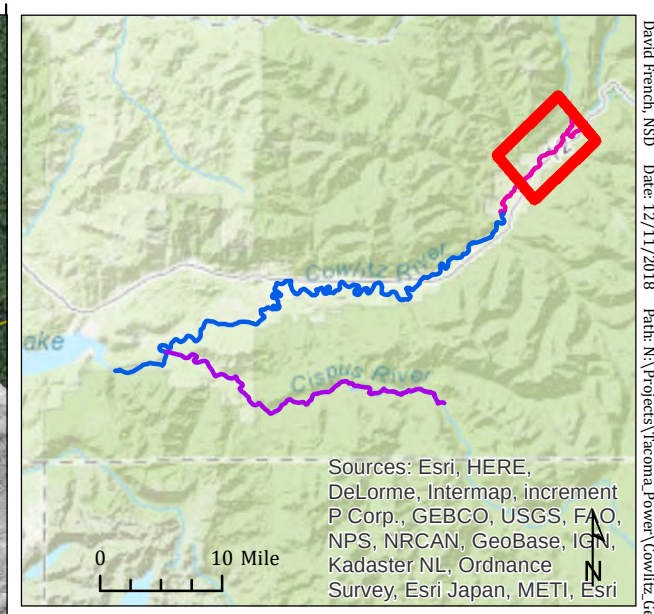
130

131

132

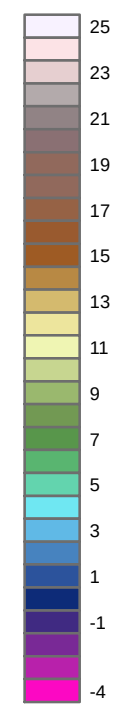
133

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Cowlitz Geomorphic Assessment Relative Elevation Mapbook

Relative
Elevation (ft)



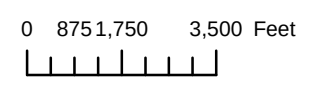
+ River Mile Marker

Topography: 2018 Topobathy LiDAR (Tacoma Power) for Cowlitz downstream of RM 124; 2009 LiDAR (Lewis County) for Cowlitz upstream of RM 124 and for Cispus.

Roads: Lewis County

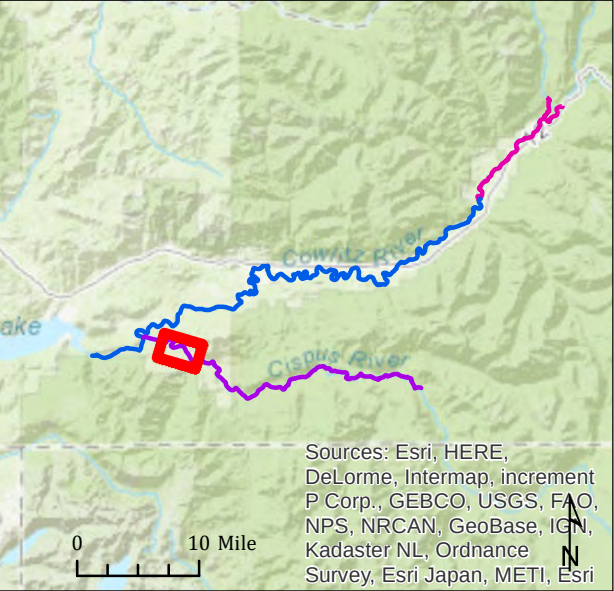
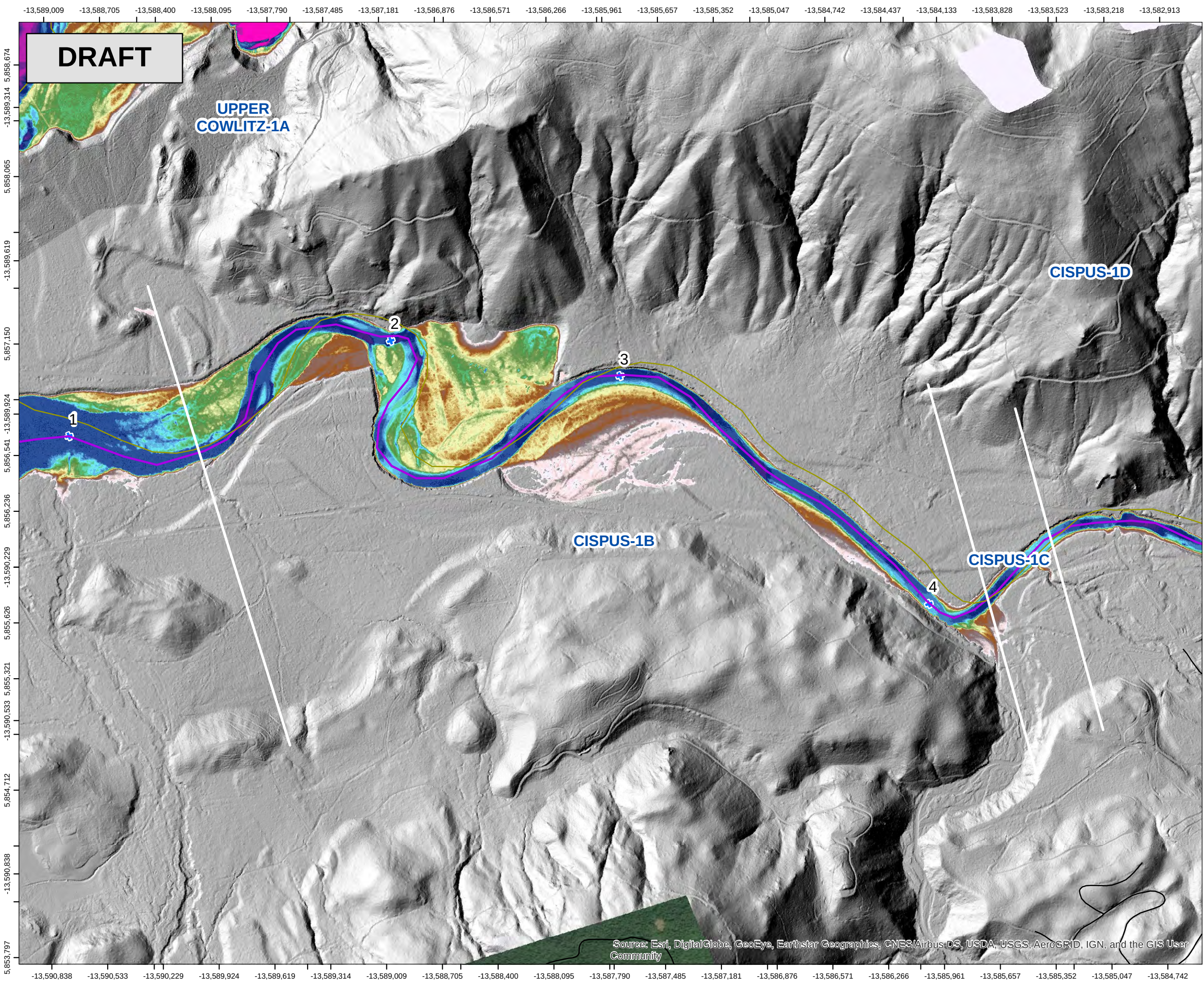
Streams: NSD

River Miles: Lewis County



Lambert conformal conic projection, NAD 1983
State Plane Coordinate System (WA South Zone)





Cowlitz Geomorphic Assessment Relative Elevation Mapbook

Relative Elevation (ft)

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 River Mile Marker

Topography: 2018 Topobathy LiDAR (Tacoma Power) for Cowlitz downstream of RM 124; 2009 LiDAR (Lewis County) for Cowlitz upstream of RM 124 and for Cispus.

Roads: Lewis County

Streams: NSD

River Miles: Lewis County

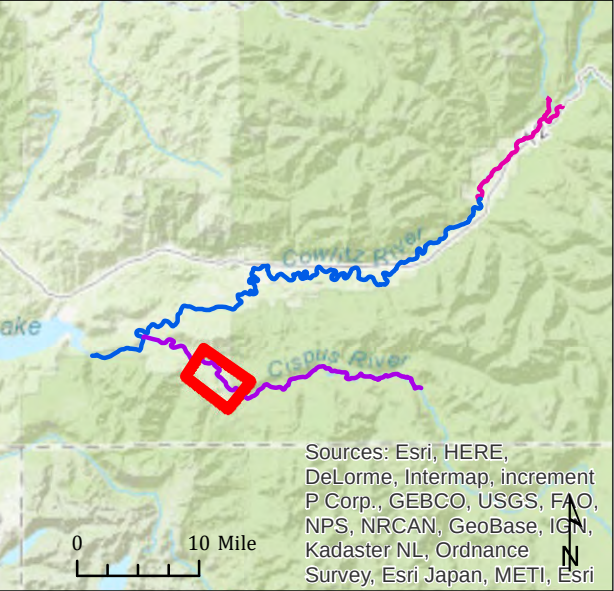
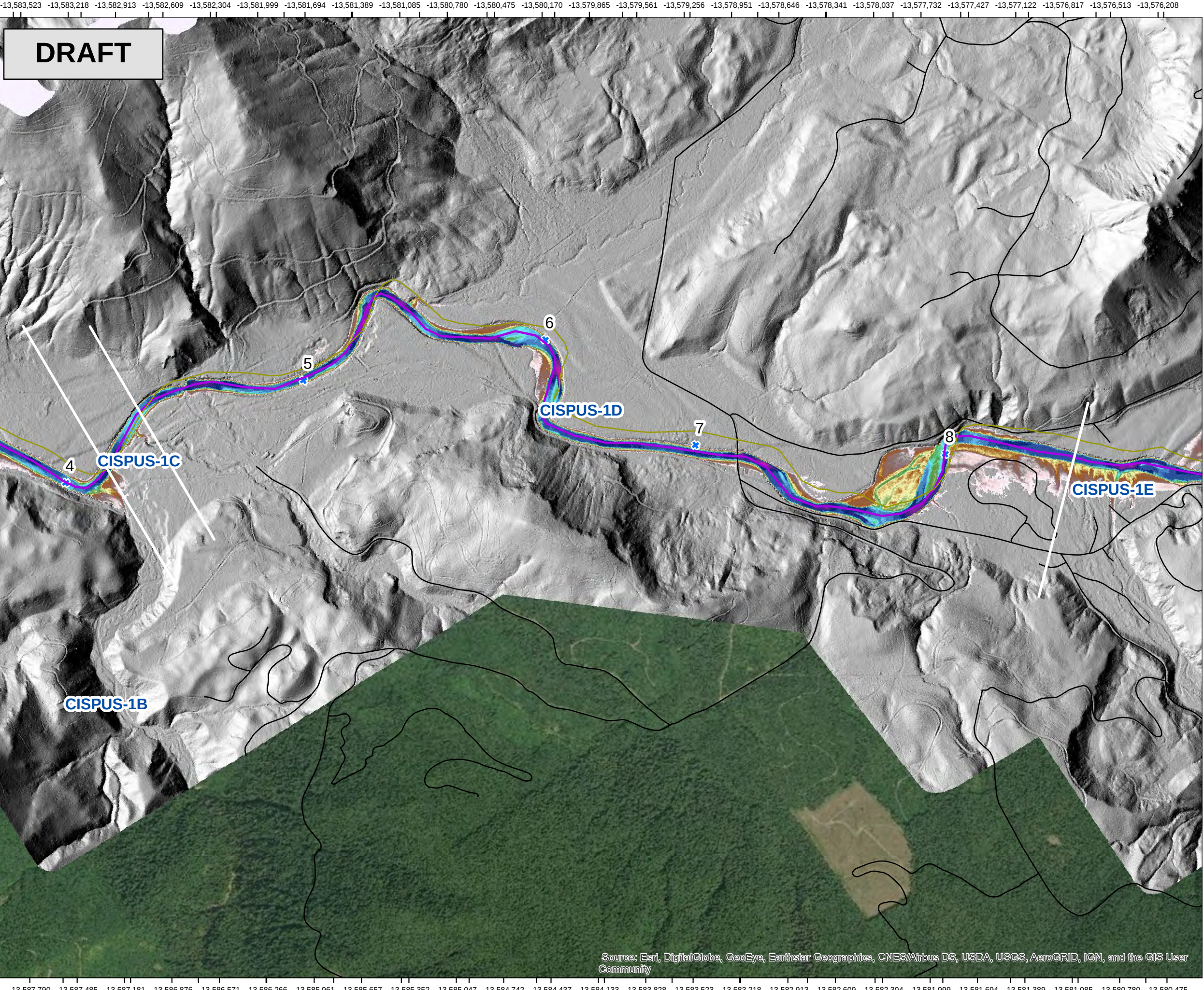
0 437.5 875 1,750 Feet

Lambert conformal conic projection, NAD 1983
State Plane Coordinate System (WA South Zone)

Natural Systems Design

David French, NSD Date: 12/11/2018 Path: N:\Projects\Tacoma Power\Cowlitz Geomorphic Assessment\GIS\maps\mxd\RELW mapbook.mxd

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Cowlitz Geomorphic Assessment Relative Elevation Mapbook

Relative Elevation (ft)

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River Mile Marker

Topography: 2018 Topobathy LiDAR (Tacoma Power) for Cowlitz downstream of RM 124; 2009 LiDAR (Lewis County) for Cowlitz upstream of RM 124 and for Cispus.

Roads: Lewis County

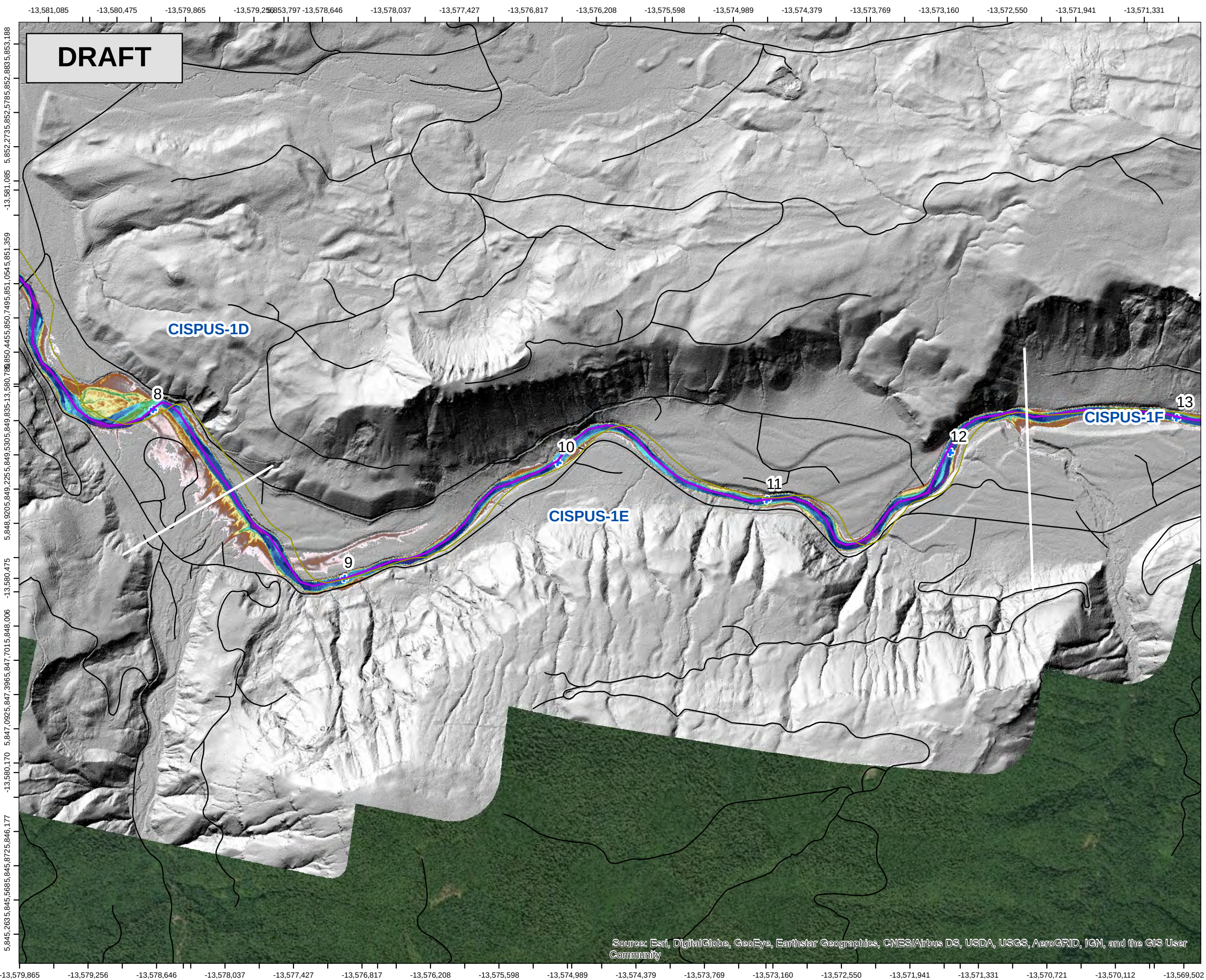
Streams: NSD

River Miles: Lewis County

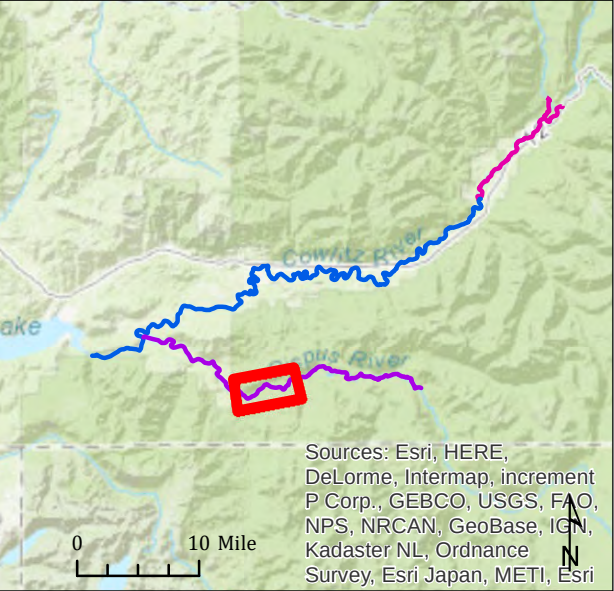
0 600 1,200 2,400 Feet

Lambert conformal conic projection, NAD 1983
State Plane Coordinate System (WA South Zone)

Natural Systems Design



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Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri

Cowlitz Geomorphic Assessment Relative Elevation Mapbook

Relative Elevation (ft)

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River Mile Marker

Topography: 2018 Topobathy LiDAR (Tacoma Power) for Cowlitz downstream of RM 124; 2009 LiDAR (Lewis County) for Cowlitz upstream of RM 124 and for Cispus.

Roads: Lewis County

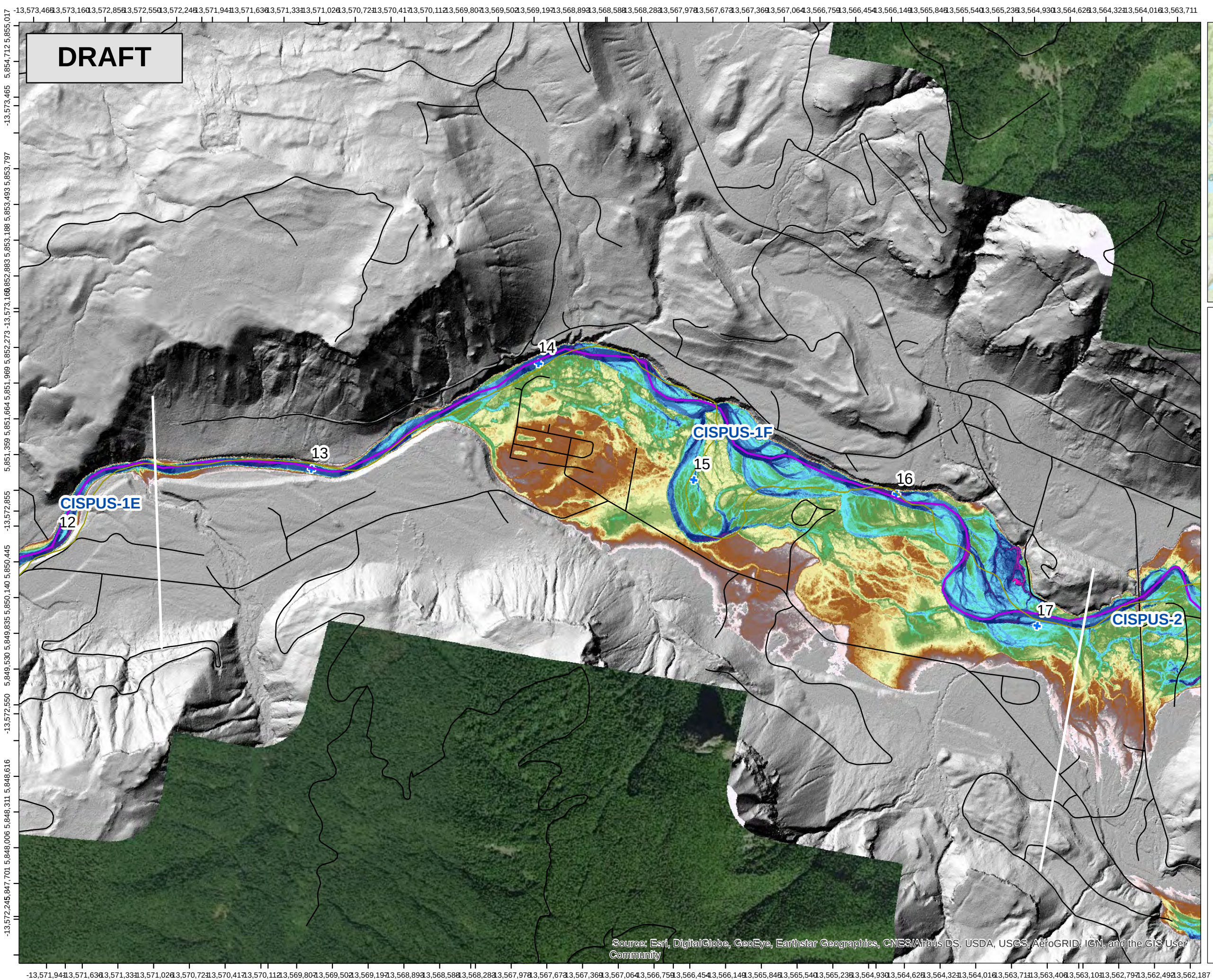
Streams: NSD

River Miles: Lewis County

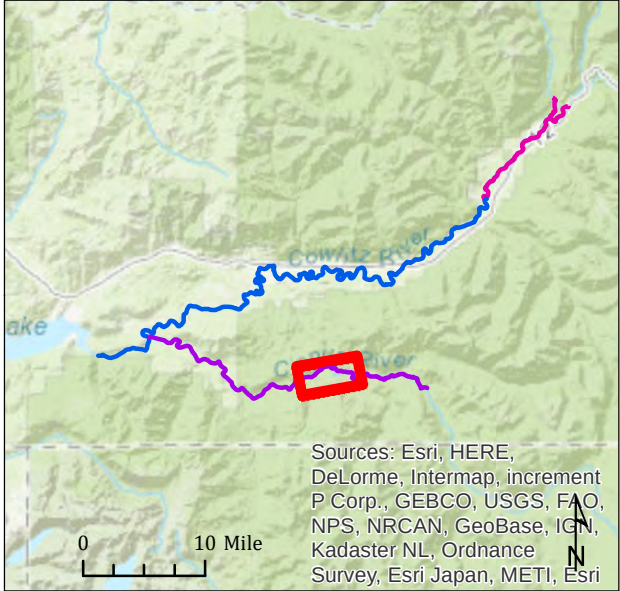
0 6501,300 2,600 Feet

Lambert conformal conic projection, NAD 1983
State Plane Coordinate System (WA South Zone)

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

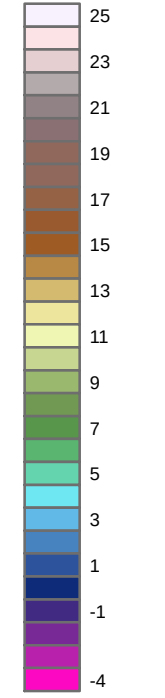


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Cowlitz Geomorphic Assessment Relative Elevation Mapbook

Relative
Elevation (ft)



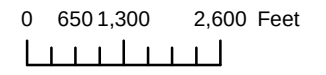
+ River Mile Marker

Topography: 2018 Topobathy LiDAR (Tacoma Power) for Cowlitz downstream of RM 124; 2009 LiDAR (Lewis County) for Cowlitz upstream of RM 124 and for Cispus.

Roads: Lewis County

Streams: NSD

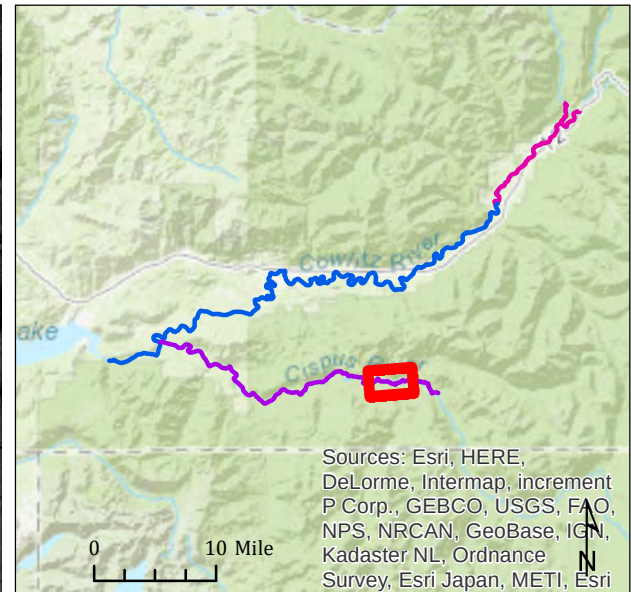
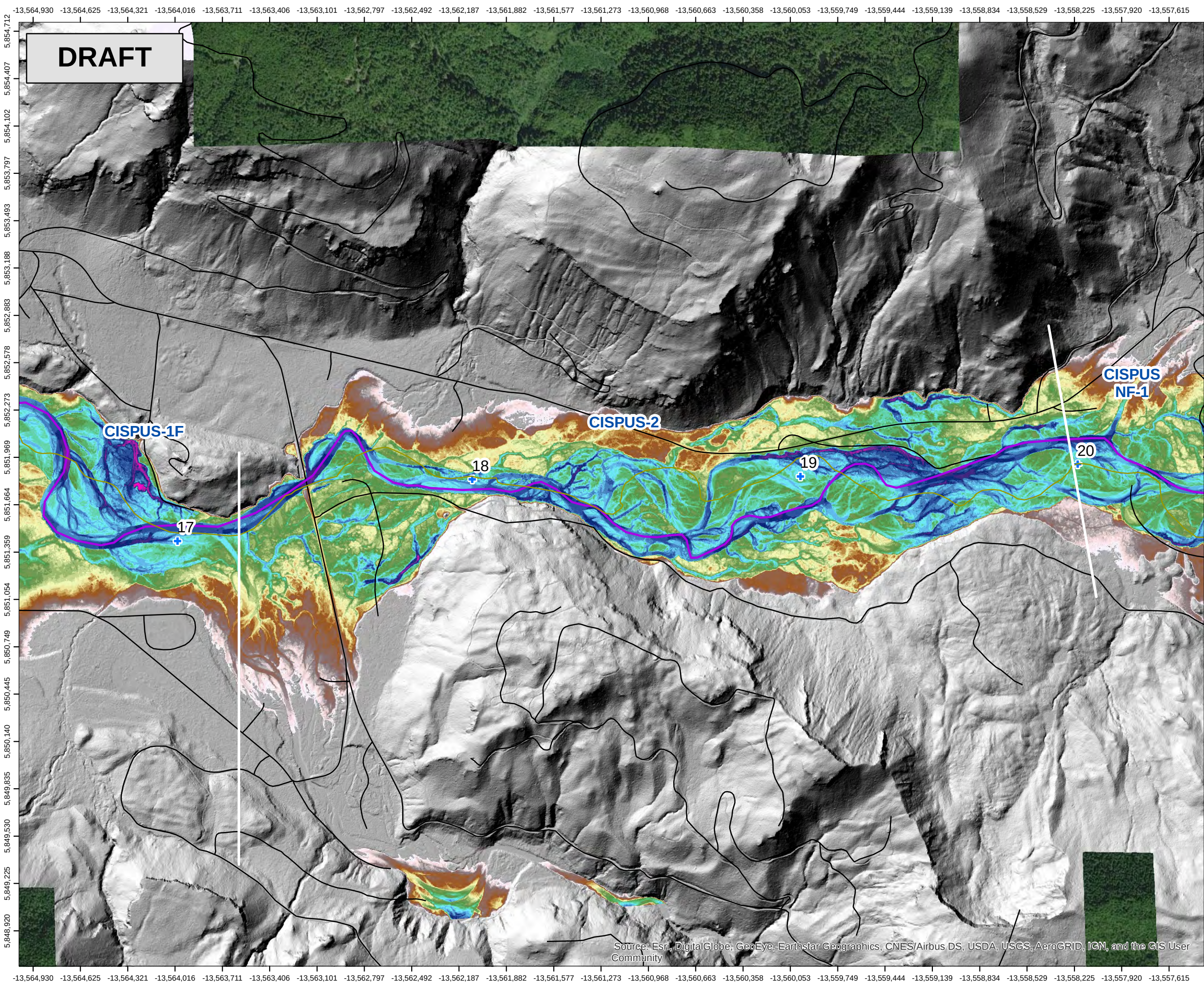
River Miles: Lewis County



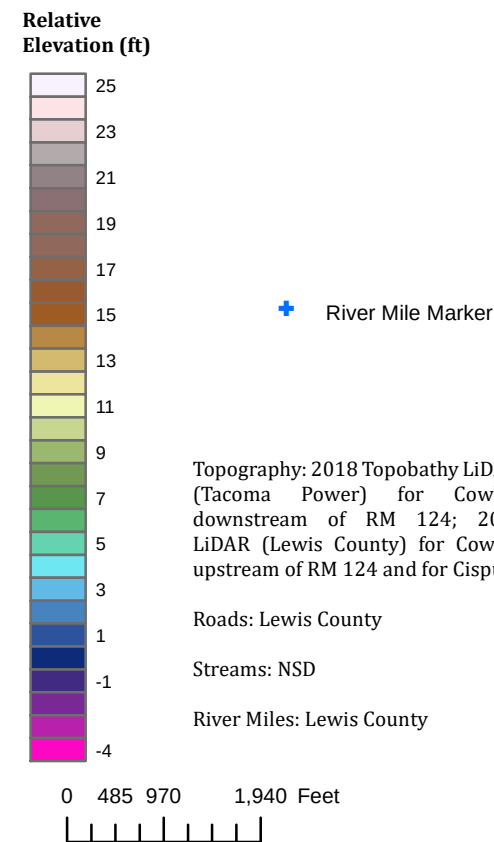
Lambert conformal conic projection, NAD 1983
State Plane Coordinate System (WA South Zone)



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Cowlitz Geomorphic Assessment Relative Elevation Mapbook



Lambert conformal conic projection, NAD 1983
State Plane Coordinate System (WA South Zone)

