VEGETATION MAPPING STUDY DRAFT REPORT

ATTACHMENT C

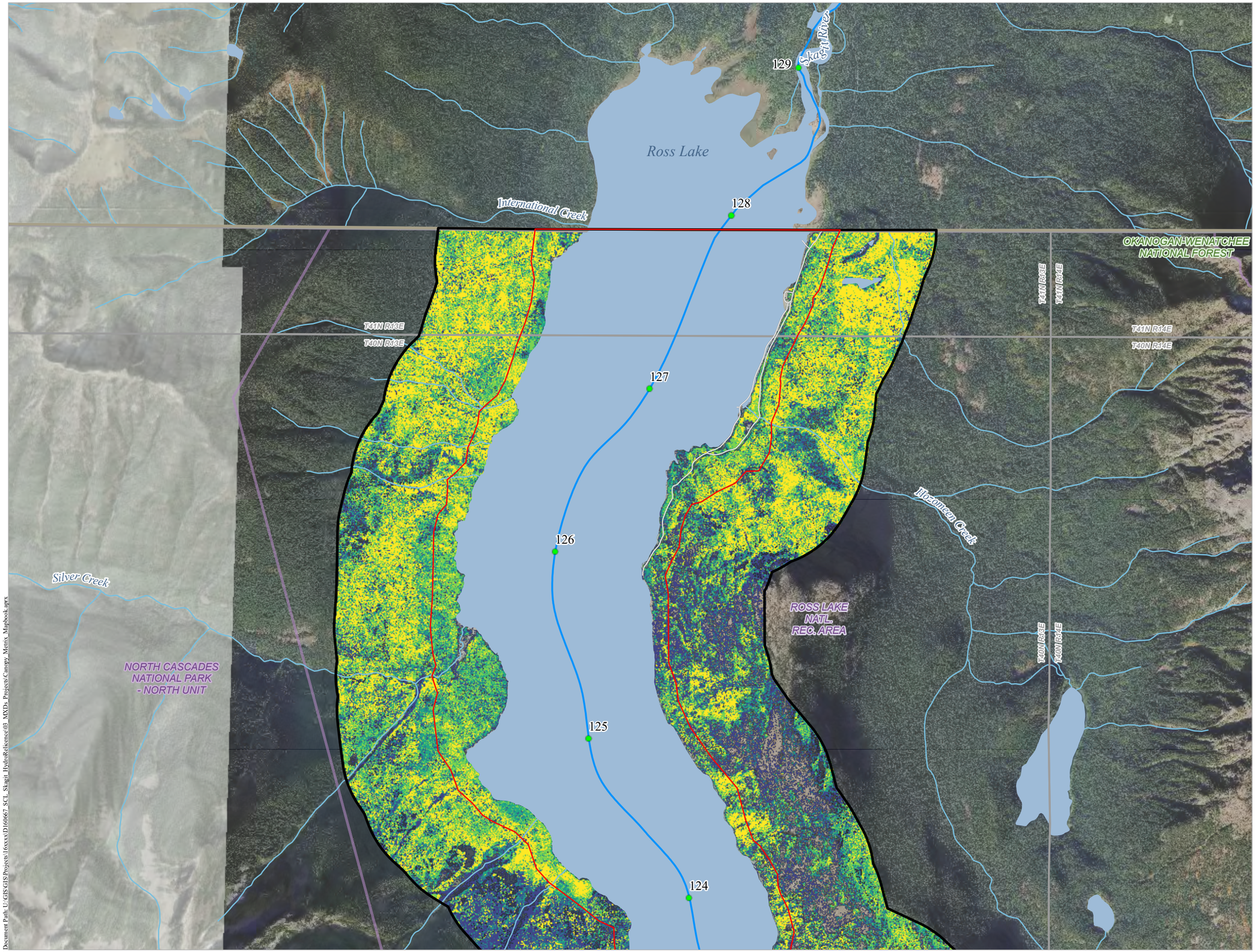
CANOPY HEIGHT MODEL RESULTS MAPBOOK

TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

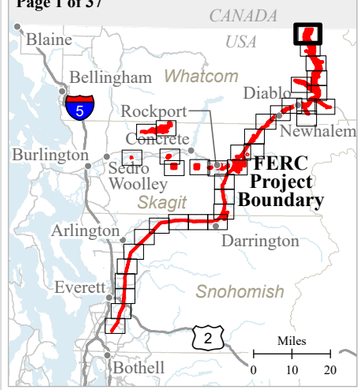
- FERC Project Boundary
- Project River Miles
- Project River Centerline
- Other Road
- Vegetation Study Area

Canopy Height Model (1m cell size)

- Clear - Sparse Vegetation
- <= 1.0 - 25.0 ft.
- 25.1- 40.0 ft.
- 40.1-60.0 ft.
- 60.1-90.0 ft.
- >90 ft.



0 1,000 2,000 Feet



Seattle City Light

SKAGIT RIVER HYDROELECTRIC PROJECT (FERC NO. 553)

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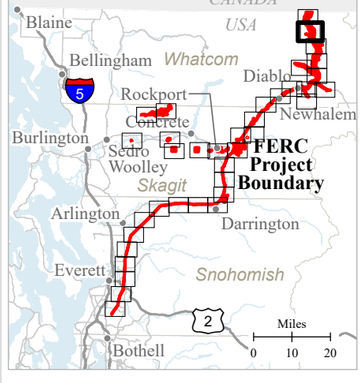
TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

FERC Project Boundary
Project River Miles
Project River Centerline
Vegetation Study Area
Canopy Height Model (1m cell size)
Clear - Sparse Vegetation
<= 1.0 - 25.0 ft.
25.1- 40.0 ft.
40.1-60.0 ft.
60.1-90.0 ft.
>90 ft.

124
123
122
121
120
Ross Lake
Hozomeen Creek
NORTH CASCADES NATIONAL PARK - NORTH UNIT
ROSS LAKE NATL. REC. AREA
Little Beaver Creek
Arctic Creek
Nonume Creek
T40N R13E
T39N R13E
T40N R14E
T39N R14E
T39N R13E
T39N R14E

N
0 1,000 2,000 Feet

Page 2 of 37



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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

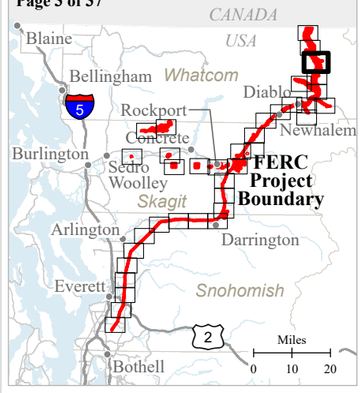
- FERC Project Boundary
- Project River Miles
- Project River Centerline
- Fire Boundary
- Vegetation Study Area

Canopy Height Model (1m cell size)

Clear - Sparse Vegetation
- <= 1.0 - 25.0 ft.
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N

0 1,000 2,000 Feet



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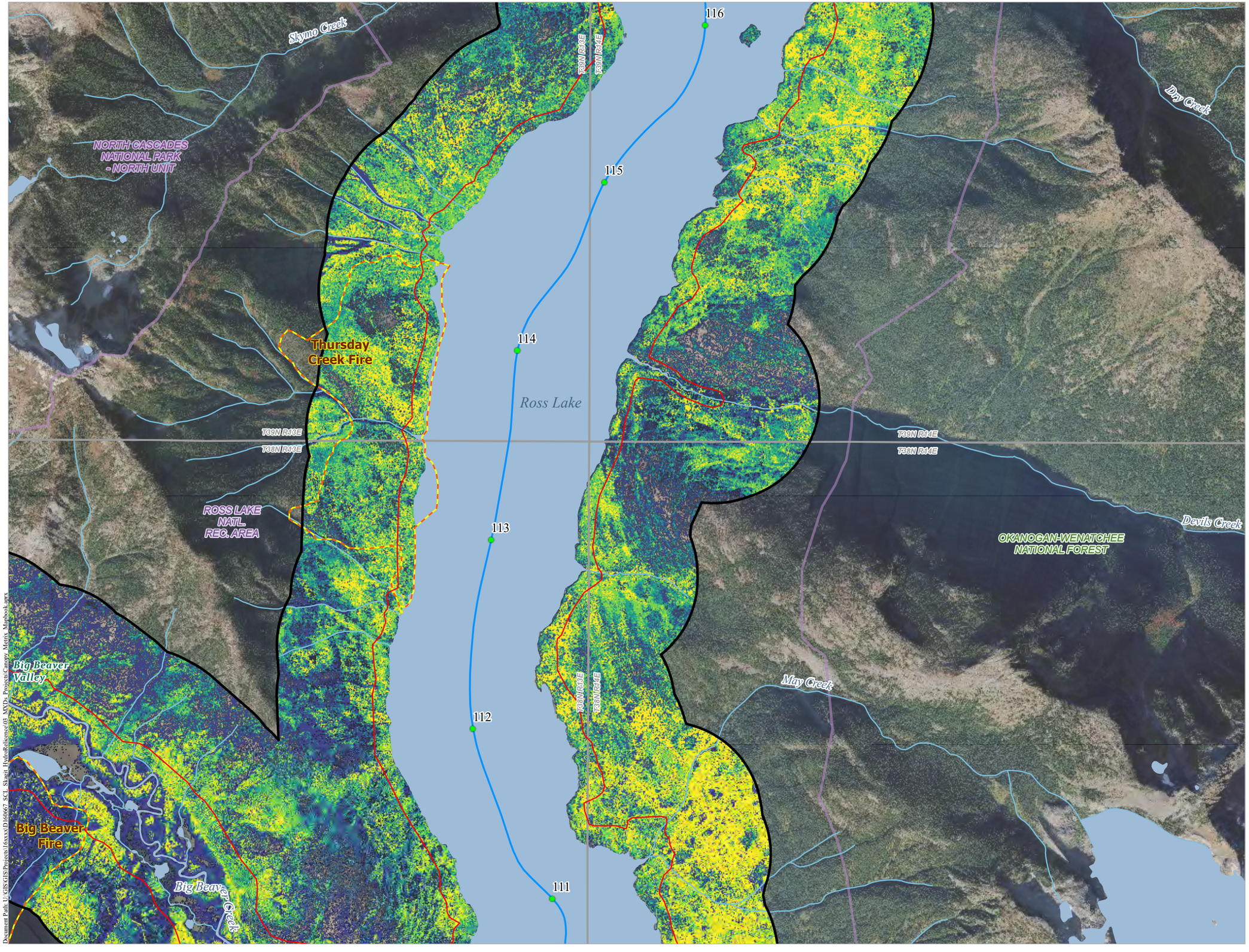
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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

- FERC Project Boundary
- Project River Miles
- Project River Centerline
- Fire Boundary
- Vegetation Study Area

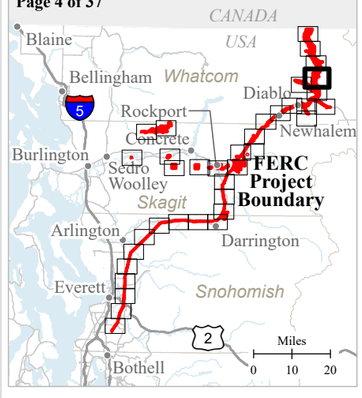
Canopy Height Model (1m cell size)

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0 1,000 2,000 Feet

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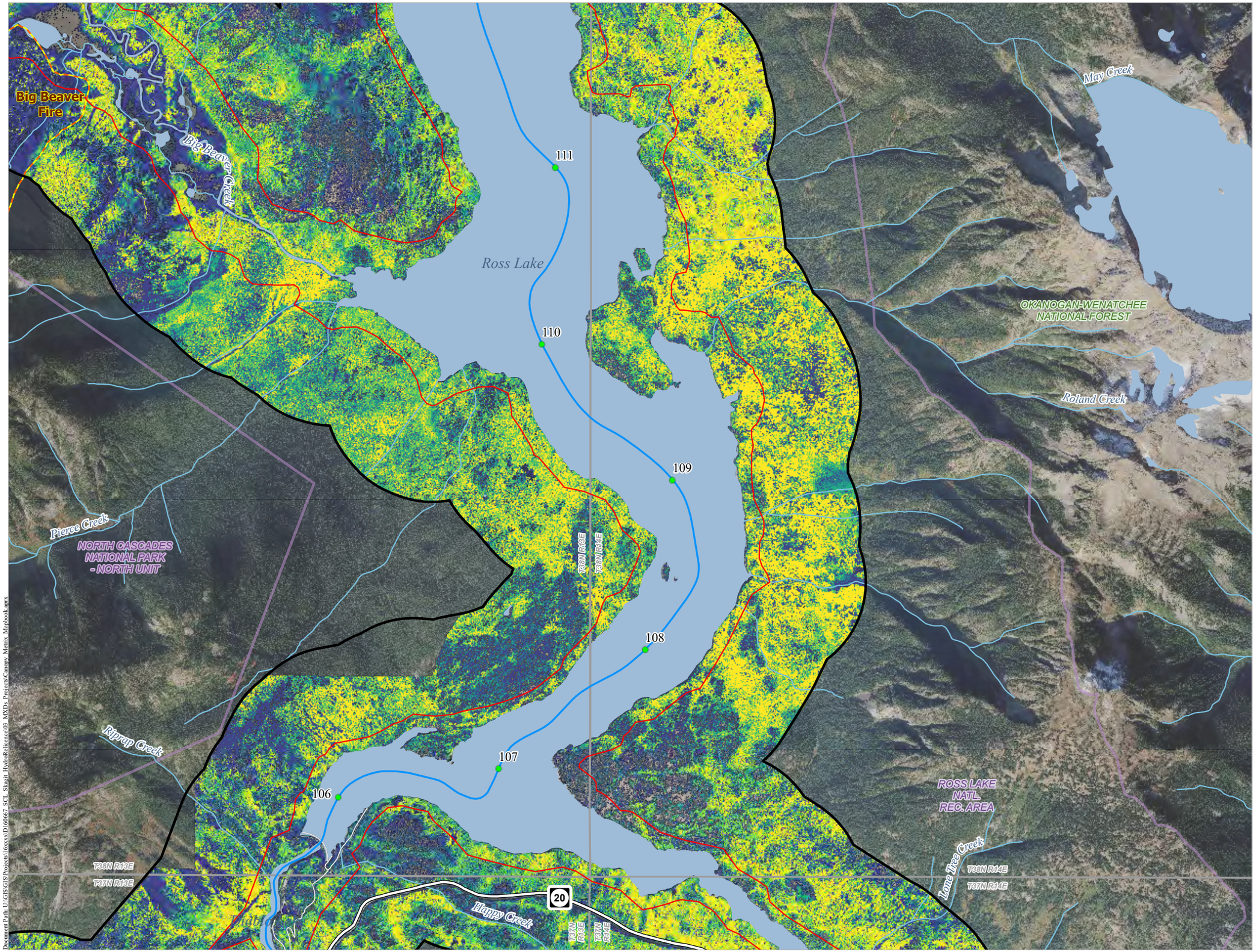
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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

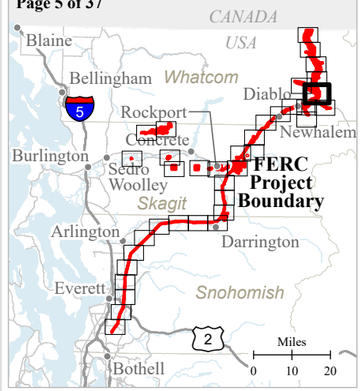
- FERC Project Boundary
- Project River Miles
- Project River Centerline
- Secondary Highway
- Other Road
- Fire Boundary
- Vegetation Study Area

Canopy Height Model (1m cell size)

Clear - Sparse Vegetation
- <= 1.0 - 25.0 ft.
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- 40.1-60.0 ft.
- 60.1-90.0 ft.
- >90 ft.



0 1,000 2,000 Feet



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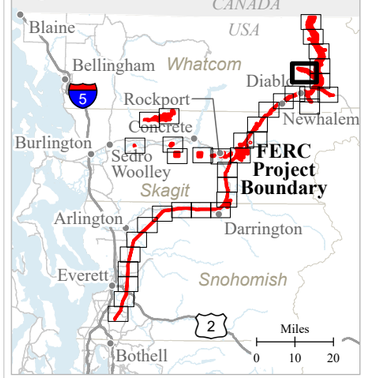
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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

FERC Project Boundary
Fire Boundary
Vegetation Study Area
Canopy Height Model (1m cell size)
Clear - Sparse Vegetation
<= 1.0 - 25.0 ft.
25.1- 40.0 ft.
40.1-60.0 ft.
60.1-90.0 ft.
>90 ft.

T39N R22E
T39N R23E
T39N R24E
T38N R24E
T39N R12E
T38N R12E
T39N R13E
T38N R13E
Thirtymile Mile Creek
Thursday Creek Fire
ROSS LAKE NATL. REC. AREA
Big Beaver Creek
Big Beaver Valley
Big Beaver Fire
NORTH CASCADES NATIONAL PARK - NORTH UNIT
Ross Lake
Camp Dayo Creek
Pierce Creek

N
0 1,000 2,000 Feet



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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

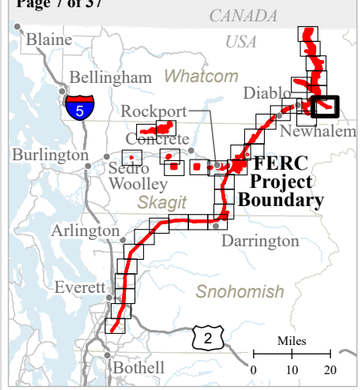
- FERC Project Boundary
- Project River Miles
- Project River Centerline
- Secondary Highway
- Vegetation Study Area

Canopy Height Model (1m cell size)

Clear - Sparse Vegetation
- <= 1.0 - 25.0 ft.
- 25.1- 40.0 ft.
- 40.1-60.0 ft.
- 60.1-90.0 ft.
- >90 ft.

N

0 1,000 2,000 Feet



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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

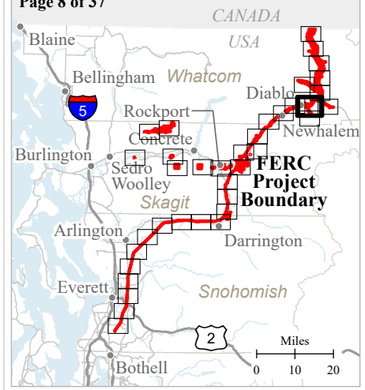
- FERC Project Boundary
- Project River Miles
- Project River Centerline
- Secondary Highway
- Other Road
- Vegetation Study Area

Canopy Height Model (1m cell size)

- Clear - Sparse Vegetation
- <= 1.0 - 25.0 ft.
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- 40.1-60.0 ft.
- 60.1-90.0 ft.
- >90 ft.

N

0 1,000 2,000 Feet



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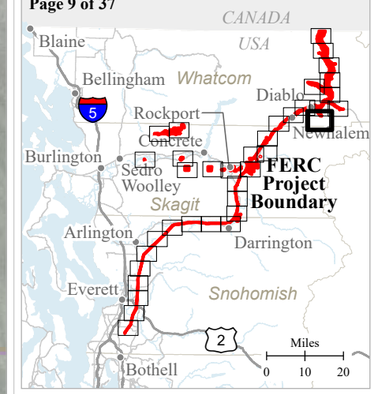
TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

FERC Project Boundary
Secondary Highway
Other Road
Vegetation Study Area
Canopy Height Model (1m cell size)
Clear - Sparse Vegetation
<= 1.0 - 25.0 ft.
25.1- 40.0 ft.
40.1-60.0 ft.
60.1-90.0 ft.
>90 ft.

Thunder Arm
Diablo Lake
Pyramid Creek
Colonial Creek
Ruby Creek
Neve Creek
Thunder Creek
ROSS LAKE NATL. REC. AREA
NORTH CASCADES NATIONAL PARK - SOUTH UNIT
T37N R13E
T37N R14E
T36N R13E
T36N R14E
Whatcom County
Skagit County
20

N
0 1,000 2,000 Feet

Page 9 of 37



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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

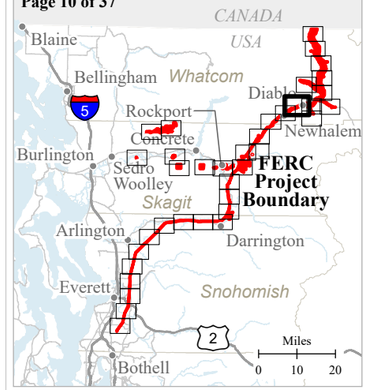
- FERC Project Boundary
- Project River Miles
- Project River Centerline
- Secondary Highway
- Other Road
- Fire Boundary
- Vegetation Study Area
- Canopy Metrics Modeling Area

Canopy Height Model (1m cell size)

Clear - Sparse Vegetation
- <= 1.0 - 25.0 ft.
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- 40.1-60.0 ft.
- 60.1-90.0 ft.
- >90 ft.

N

0 1,000 2,000 Feet



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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

- FERC Project Boundary
- Mitigation Parcel
- Project River Miles
- Project River Centerline
- Secondary Highway
- Other Road
- Fire Boundary
- Vegetation Study Area
- Canopy Metrics Modeling Area

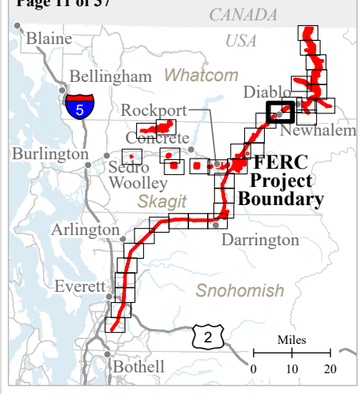
Canopy Height Model (1m cell size)

Clear - Sparse Vegetation

- <= 1.0 - 25.0 ft.
- 25.1- 40.0 ft.
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N

0 1,000 2,000 Feet



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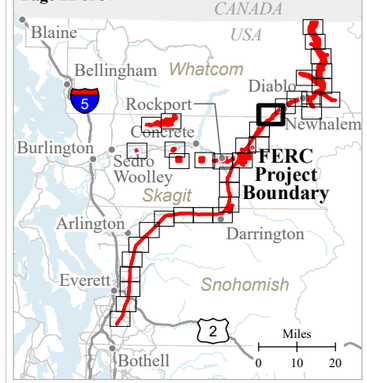
- FERC Project Boundary
- Mitigation Parcel
- Project River Miles
- Project River Centerline
- Secondary Highway
- Other Road
- Fire Boundary
- Vegetation Study Area
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0 1,000 2,000 Feet



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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

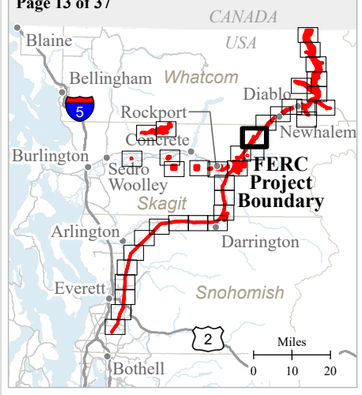
- FERC Project Boundary
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0 1,000 2,000 Feet



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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

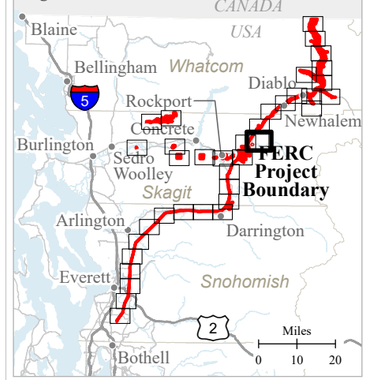
- FERC Project Boundary
- Mitigation Parcel
- Project River Miles
- Project River Centerline
- Secondary Highway
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- Vegetation Study Area
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Canopy Height Model (1m cell size)

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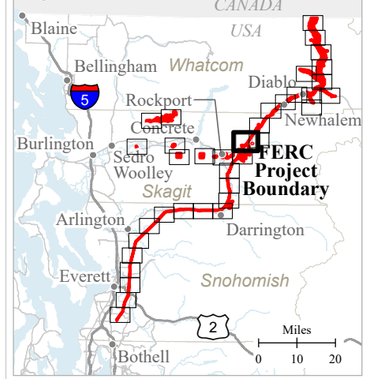
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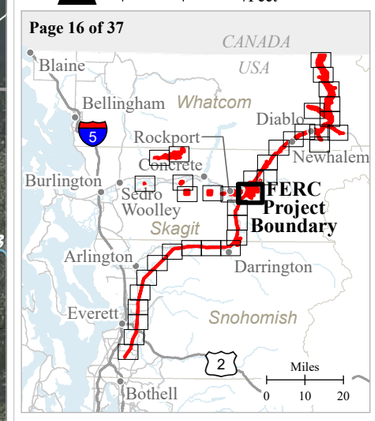
- FERC Project Boundary
- Mitigation Parcel
- Project River Miles
- Project River Centerline
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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

- FERC Project Boundary
- Mitigation Parcel
- Project River Miles
- Project River Centerline
- Secondary Highway
- Other Road
- Vegetation Study Area
- Canopy Metrics Modeling Area

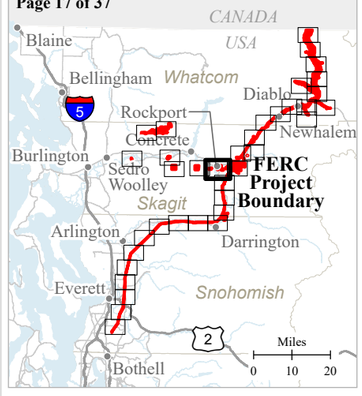
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N

0 1,000 2,000 Feet

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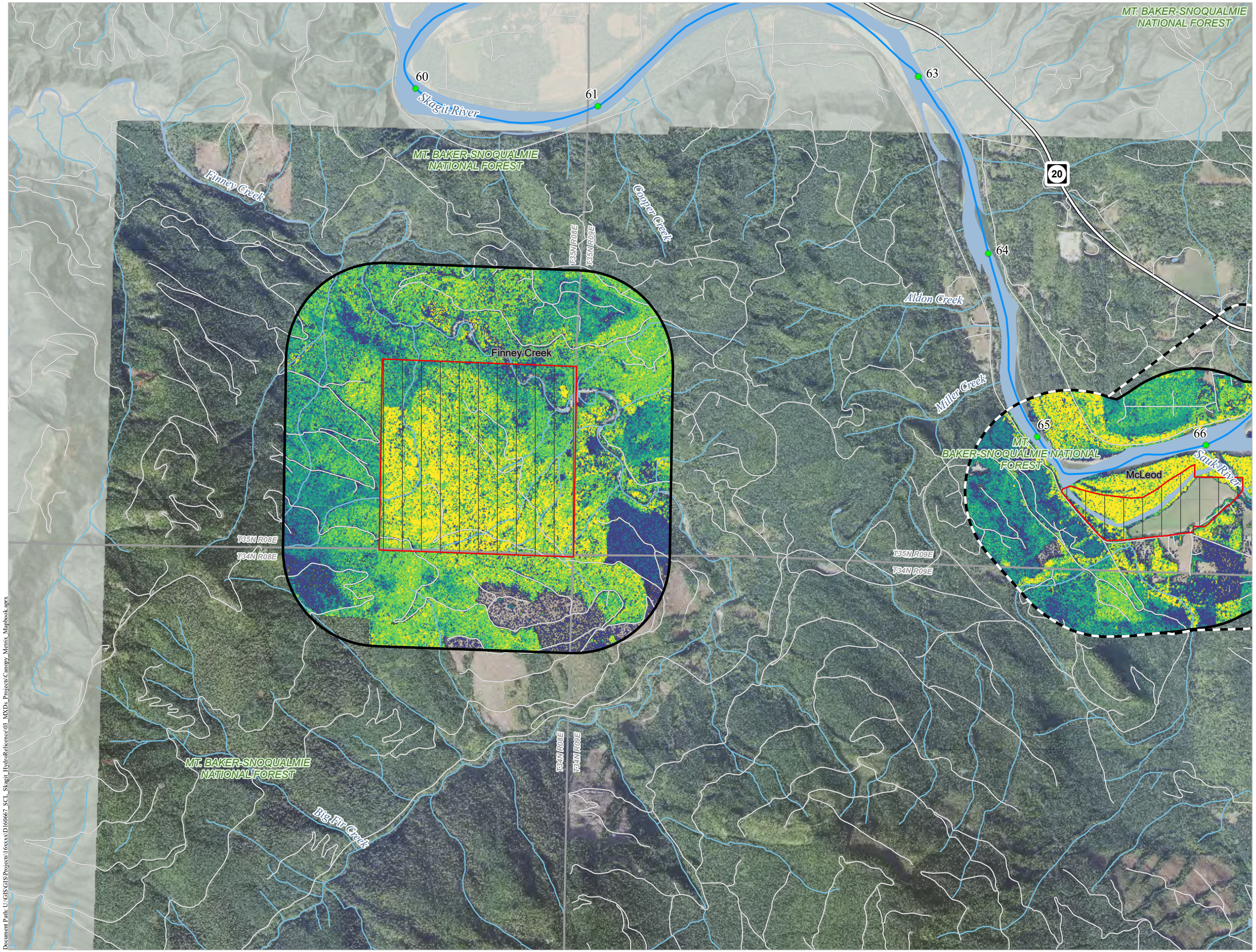
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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

- FERC Project Boundary
- Mitigation Parcel
- Project River Miles
- Project River Centerline
- Secondary Highway
- Other Road
- Vegetation Study Area
- Canopy Metrics Modeling Area

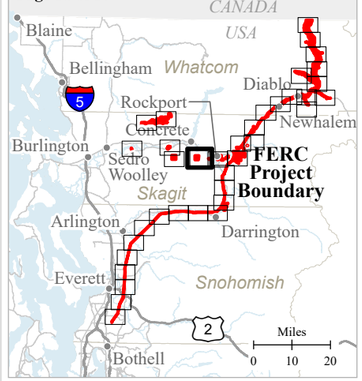
Canopy Height Model (1m cell size)

- Clear - Sparse Vegetation
- <= 1.0 - 25.0 ft.
- 25.1- 40.0 ft.
- 40.1-60.0 ft.
- 60.1-90.0 ft.
- >90 ft.



0 1,000 2,000 Feet

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Seattle City Light

SKAGIT RIVER HYDROELECTRIC PROJECT (FERC NO. 553)

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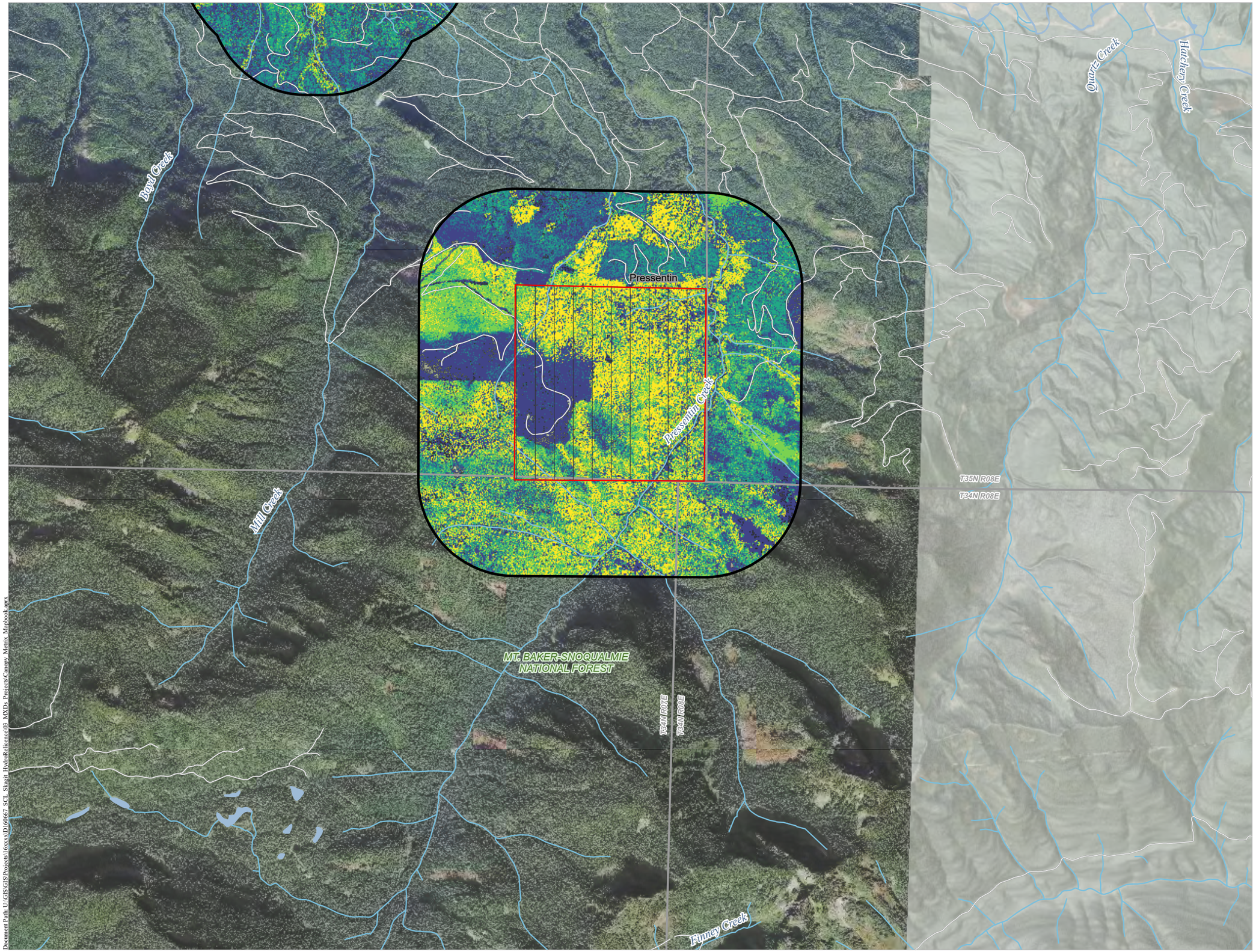
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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

- Mitigation Parcel
- Other Road
- Vegetation Study Area

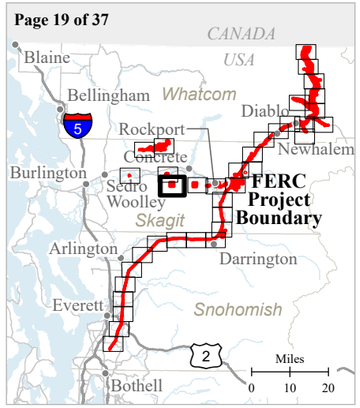
Canopy Height Model (1m cell size)

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- 25.1- 40.0 ft.
- 40.1-60.0 ft.
- 60.1-90.0 ft.
- >90 ft.



N

0 1,000 2,000 Feet



Seattle City Light

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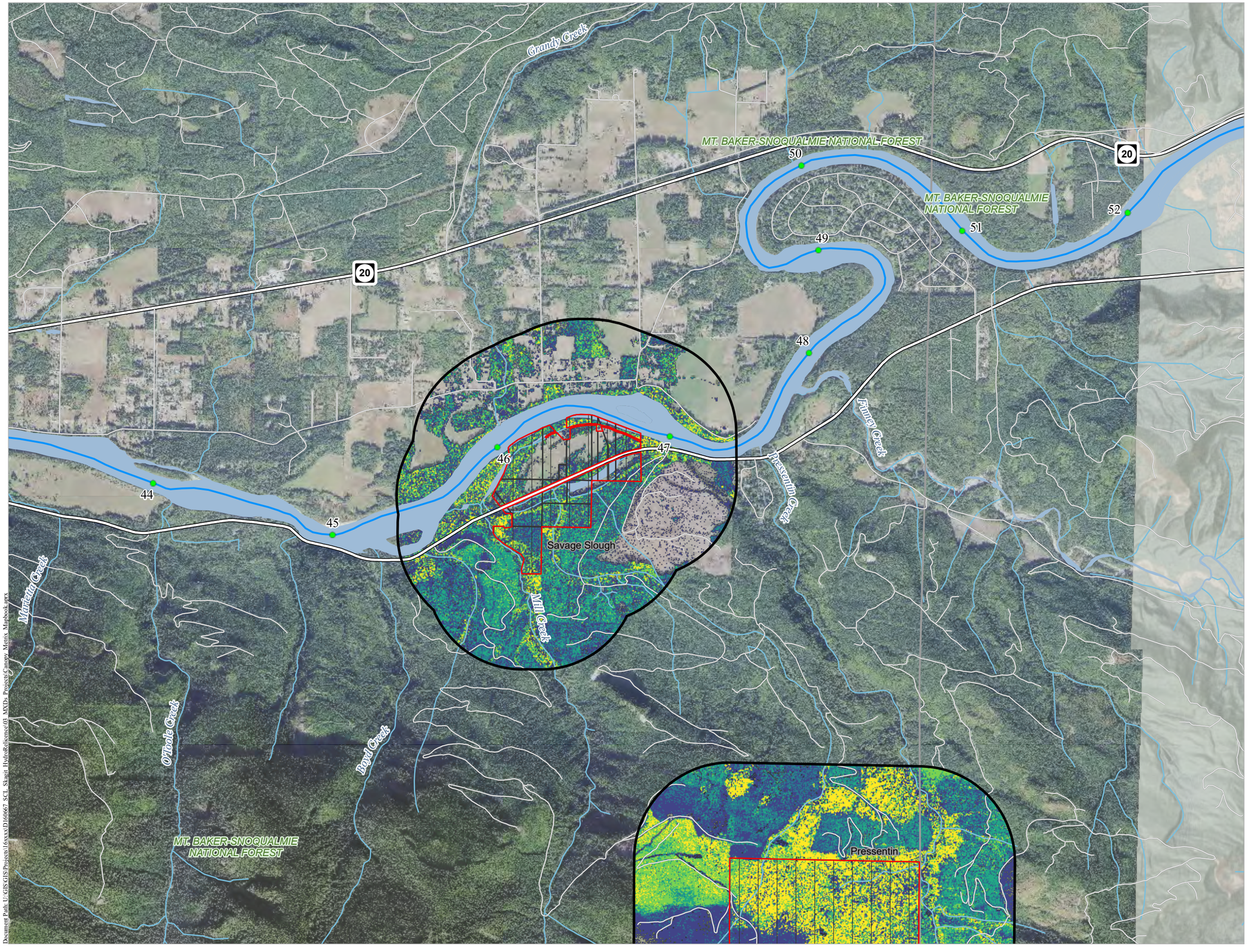
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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

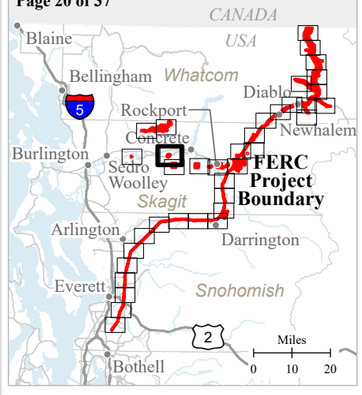
- Mitigation Parcel
- Project River Miles
- Project River Centerline
- Secondary Highway
- Other Road
- Vegetation Study Area

Canopy Height Model (1m cell size)

- Clear - Sparse Vegetation
- <= 1.0 - 25.0 ft.
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0 1,000 2,000 Feet



Seattle City Light

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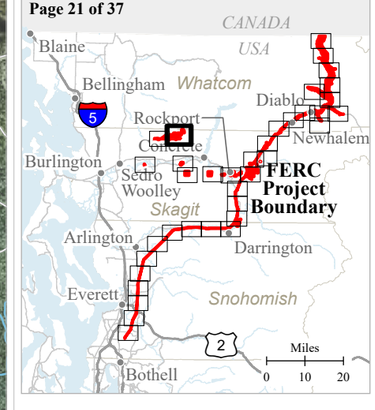
TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

FERC Project Boundary
Mitigation Parcel
Other Road
Vegetation Study Area
Canopy Height Model (1m cell size)
Clear - Sparse Vegetation
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25.1- 40.0 ft.
40.1-60.0 ft.
60.1-90.0 ft.
>90 ft.

Hearty Creek
MT. BAKER-SNOQUALMIE NATIONAL FOREST
Whatcom County
Skagit County
Wolfick Creek
McGinnis Creek
Bear Lake
Nooksack
Grandy Creek

0 1,000 2,000 Feet

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Seattle City Light

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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

- FERC Project Boundary
- Mitigation Parcel
- Other Road
- Vegetation Study Area

Canopy Height Model (1m cell size)

- Clear - Sparse Vegetation
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- 25.1- 40.0 ft.
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- 60.1-90.0 ft.
- >90 ft.

MT. BAKER-SNOQUALMIE NATIONAL FOREST

McGinnis Creek

Howard Creek

Nooksack

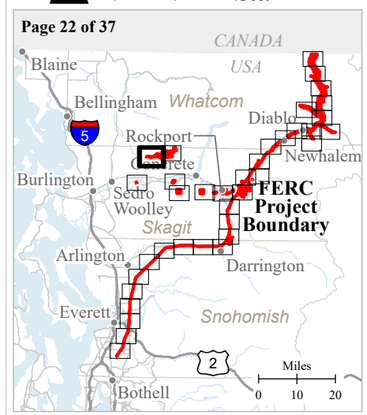
Nooksack West

Canyon Creek

Jones Creek

N

0 1,000 2,000 Feet



Seattle City Light

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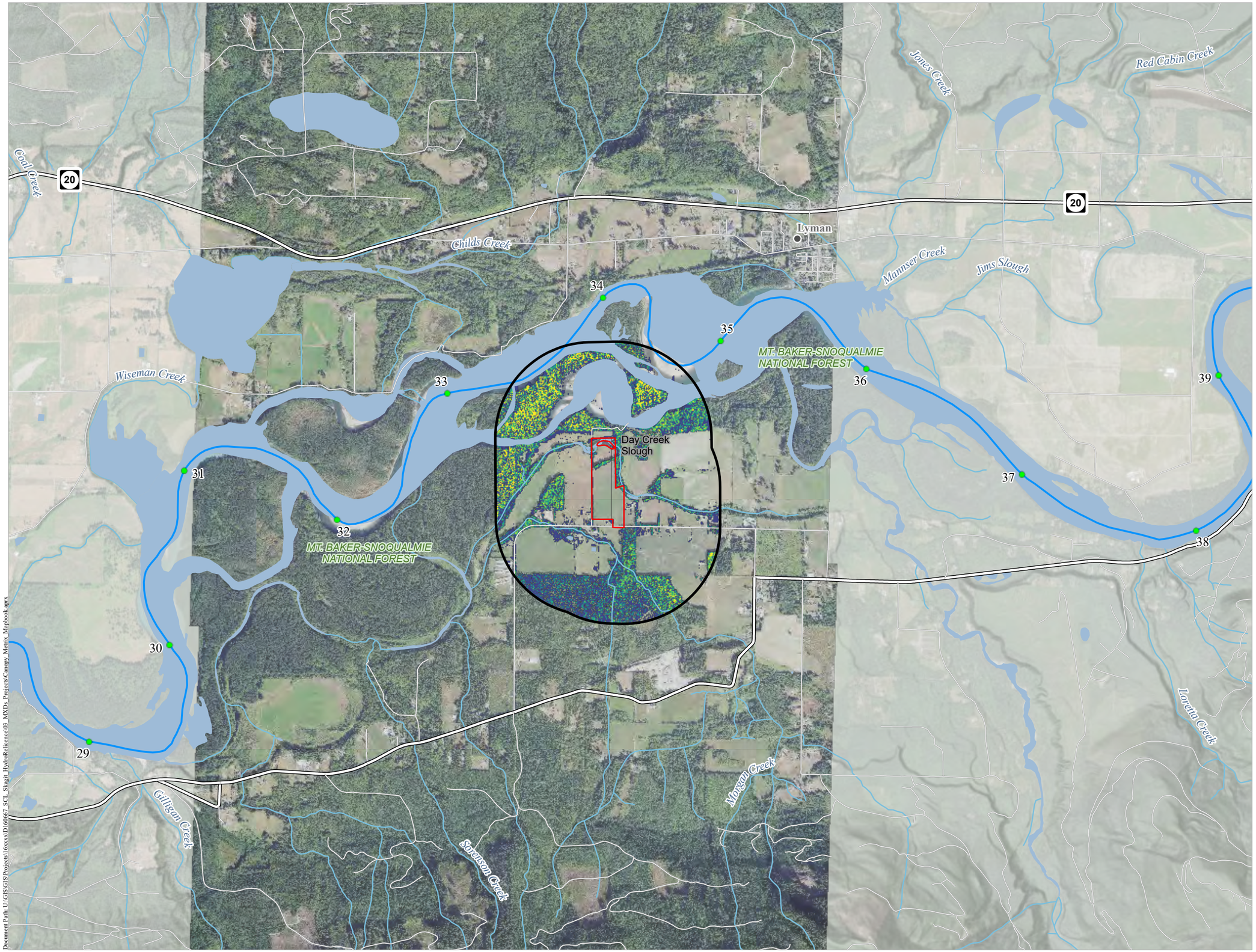
TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

- Mitigation Parcel
- Project River Miles
- Project River Centerline
- Secondary Highway
- Other Road
- Vegetation Study Area

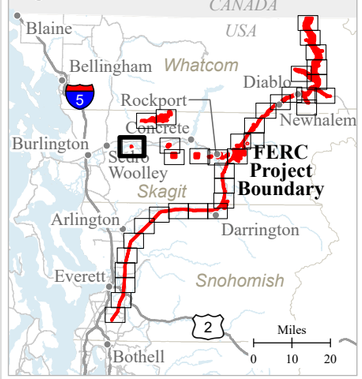
Canopy Height Model (1m cell size)

Clear - Sparse Vegetation

- <= 1.0 - 25.0 ft.
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- 60.1-90.0 ft.
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0 1,000 2,000 Feet



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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

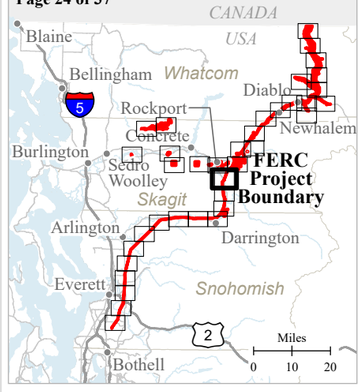
- FERC Project Boundary
- Secondary Highway
- Other Road
- Vegetation Study Area
- Canopy Metrics Modeling Area

Canopy Height Model (1m cell size)

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- >90 ft.

N

0 1,000 2,000 Feet



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MT. BAKER-SNOQUALMIE NATIONAL FOREST

MT. BAKER-SNOQUALMIE NATIONAL FOREST

MT. BAKER-SNOQUALMIE NATIONAL FOREST

MT. BAKER-SNOQUALMIE NATIONAL FOREST

530

530

Sauk River

Elliott Creek

Flume Creek

Finney Creek

White Creek

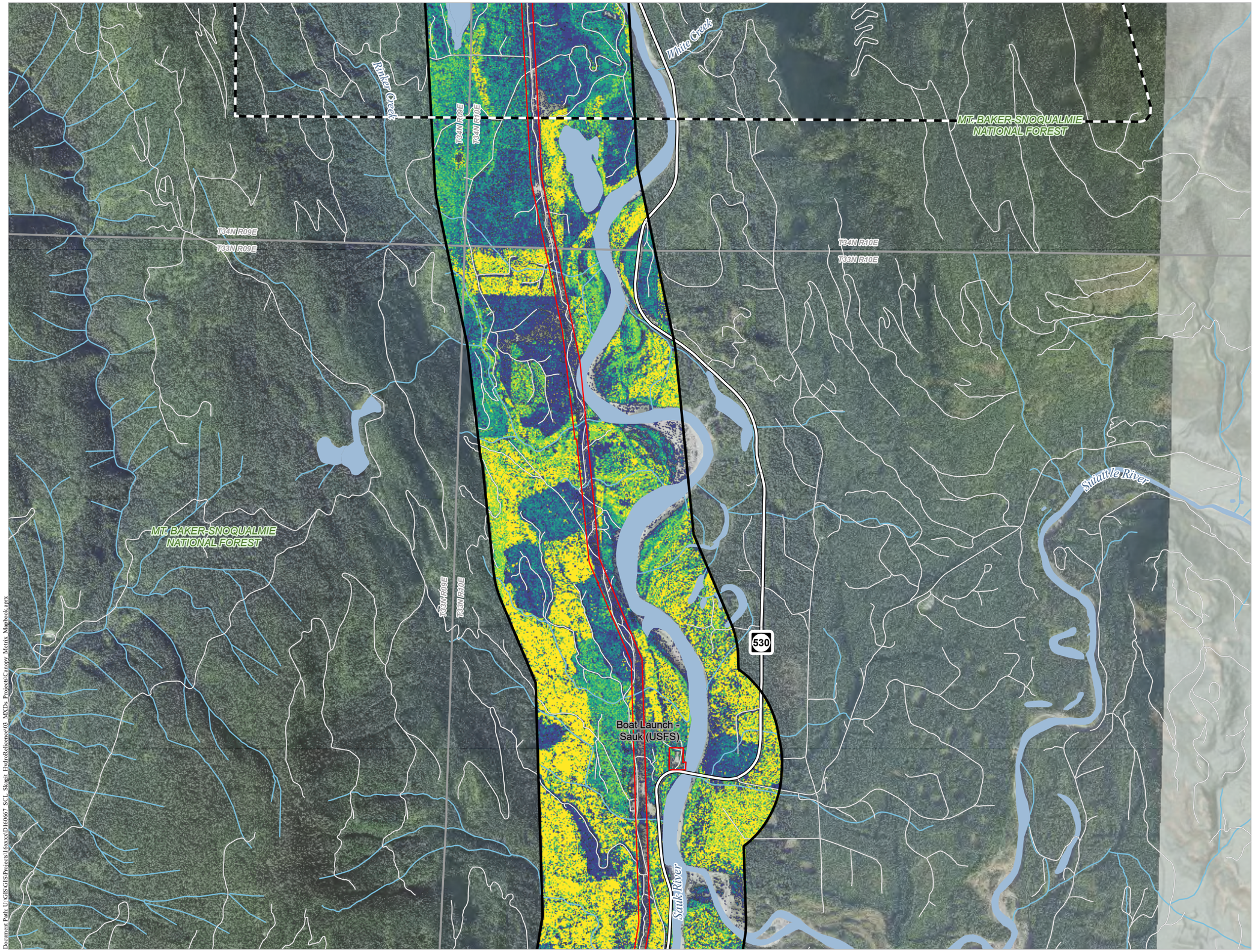
Rinker Creek

TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

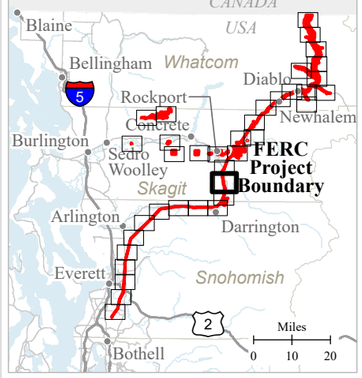
- FERC Project Boundary
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Canopy Height Model (1m cell size)

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0 1,000 2,000 Feet



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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

- FERC Project Boundary
- Mitigation Parcel
- Secondary Highway
- Other Road
- Vegetation Study Area

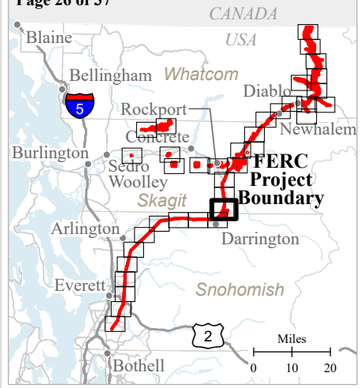
Canopy Height Model (1m cell size)

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- 60.1-90.0 ft.
- >90 ft.

N

0 1,000 2,000 Feet



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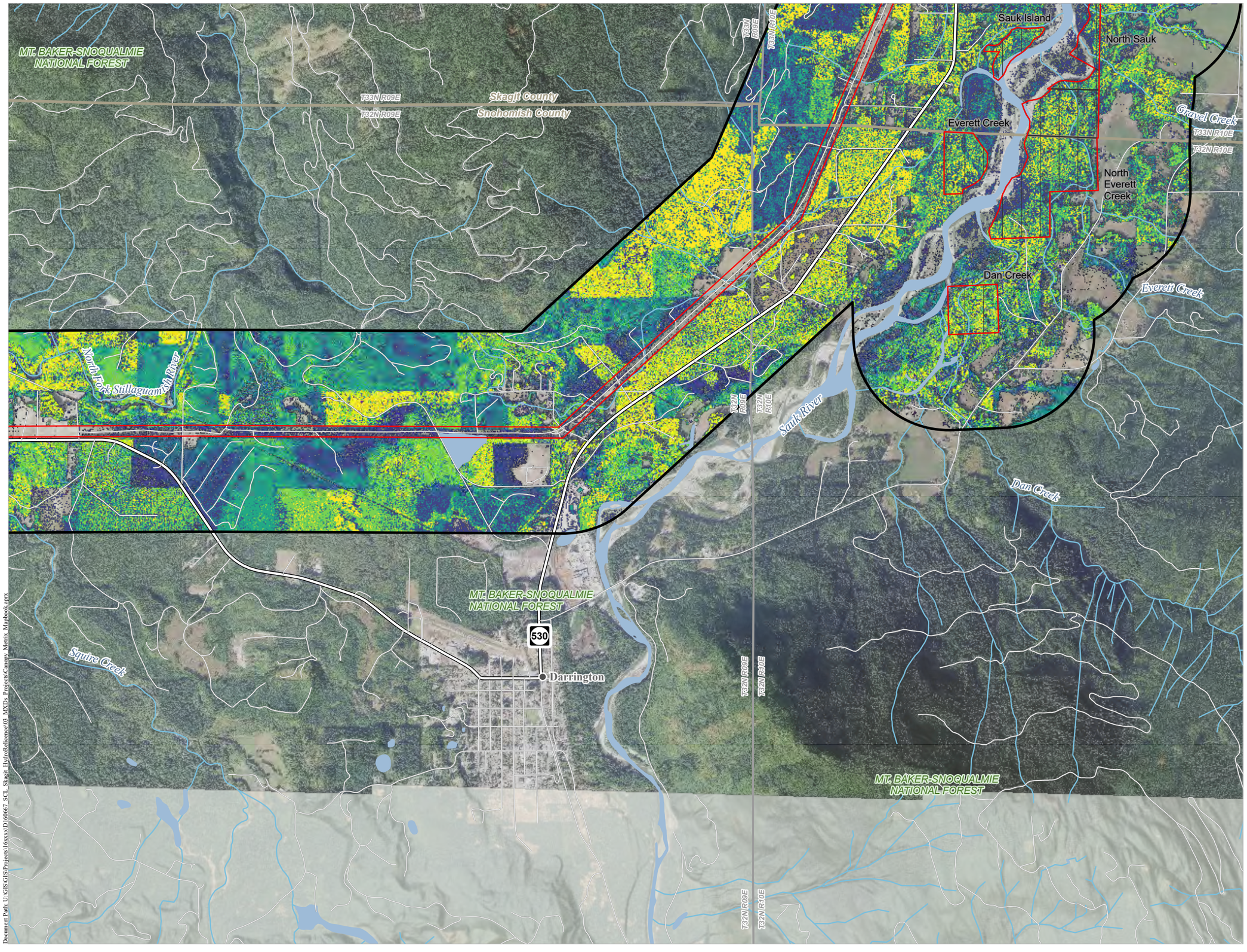
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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

- FERC Project Boundary
- Mitigation Parcel
- Secondary Highway
- Other Road
- Vegetation Study Area

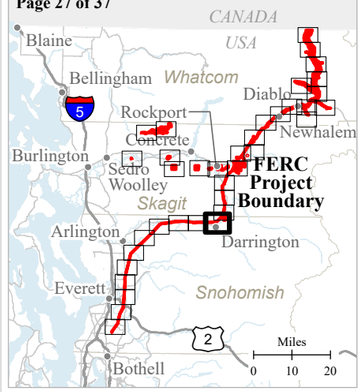
Canopy Height Model (1m cell size)

Clear - Sparse Vegetation
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N

0 1,000 2,000 Feet



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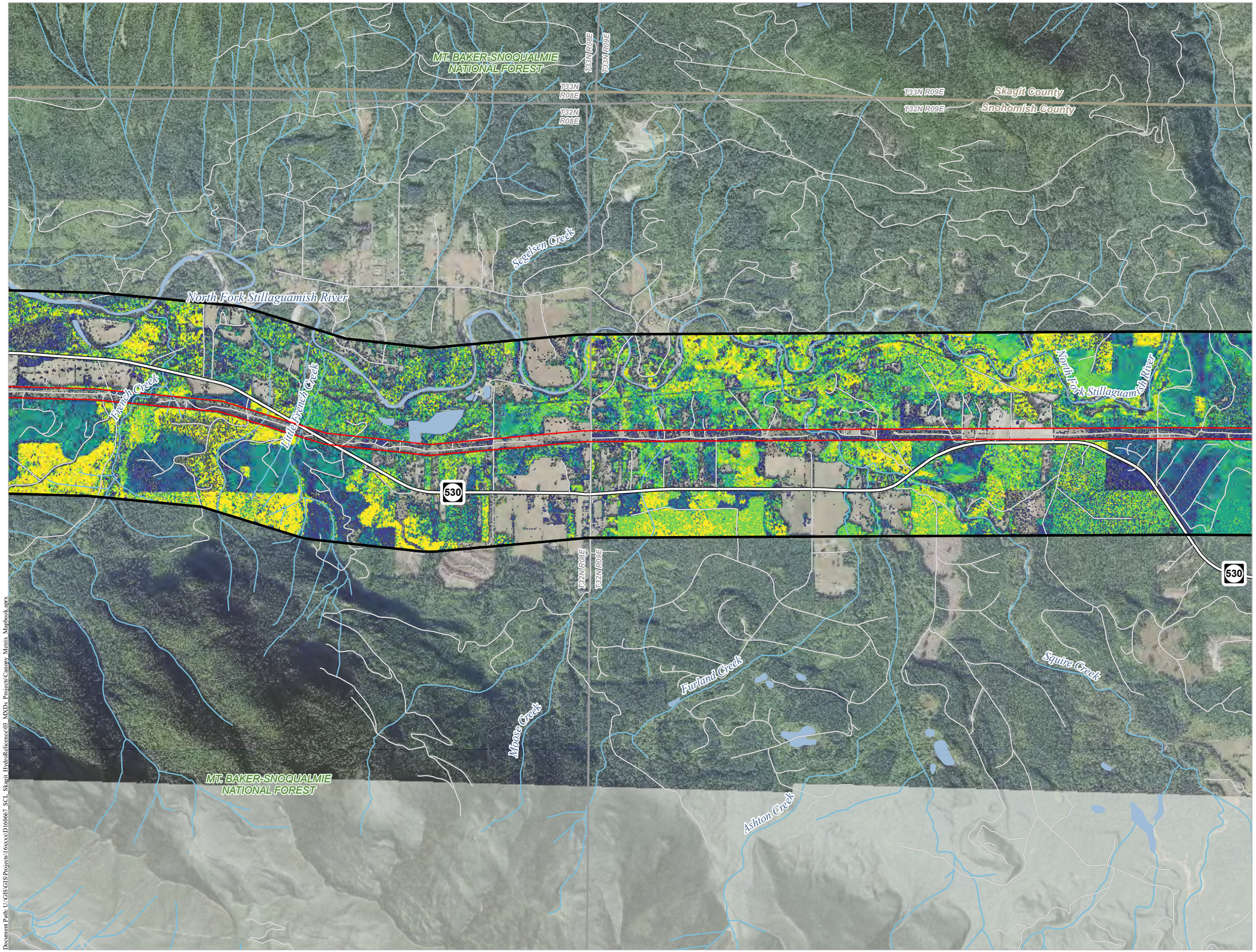
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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

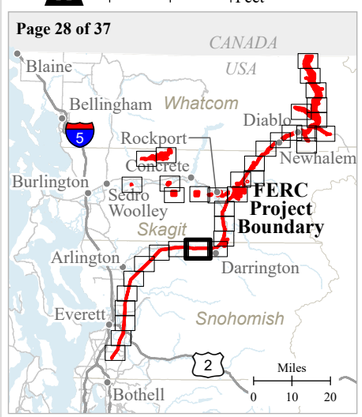
- FERC Project Boundary
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0 1,000 2,000 Feet



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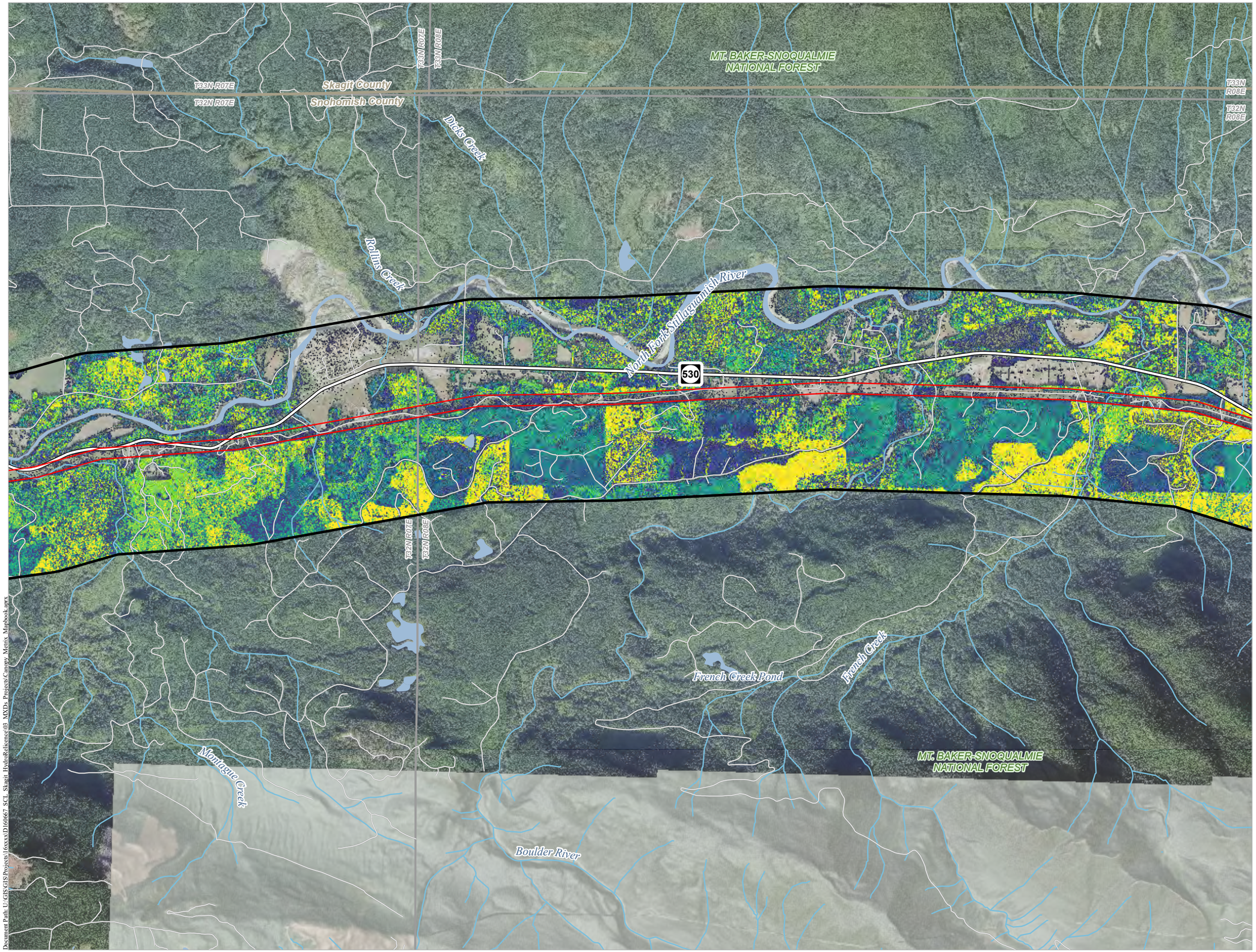
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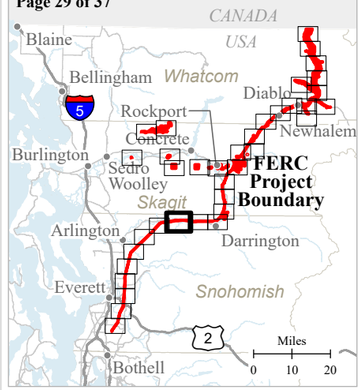
FERC Project Boundary
Secondary Highway
Other Road
Vegetation Study Area

Canopy Height Model (1m cell size)

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0 1,000 2,000 Feet



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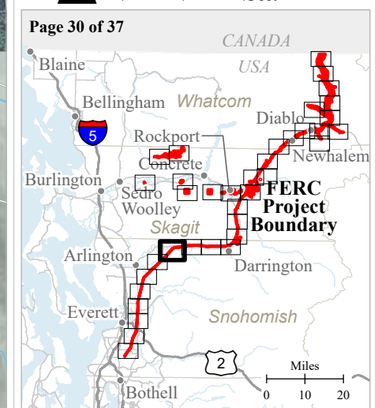
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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

FERC Project Boundary
Secondary Highway
Other Road
Vegetation Study Area
Canopy Height Model (1m cell size)
Clear - Sparse Vegetation
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25.1- 40.0 ft.
40.1-60.0 ft.
60.1-90.0 ft.
>90 ft.

Deer Creek
Brooks Creek
North Fork Stillaguamish River
Oso
530
Hell Creek
Jim Creek
Bay Creek
Montague Creek
BNSF RR
BNSF RR

N
0 1,000 2,000 Feet



Seattle City Light

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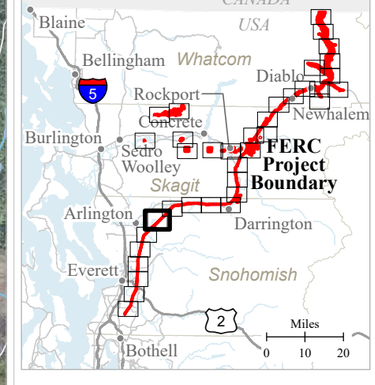
FERC Project Boundary
Secondary Highway
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Canopy Height Model (1m cell size)

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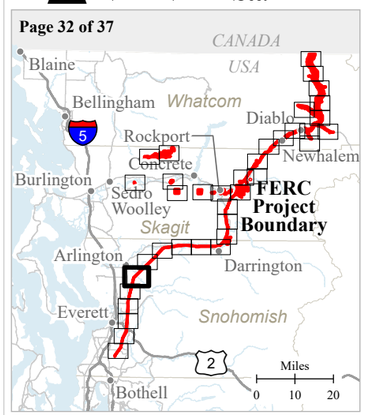
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Hell Creek
Jim Creek
Porter Creek
Bear Creek
Siberia Creek
Jim Creek
Cub Creek
530
T32N R06E
T31N R06E
T32N R07E
T31N R07E

TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

FERC Project Boundary
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0 1,000 2,000 Feet



Seattle City Light

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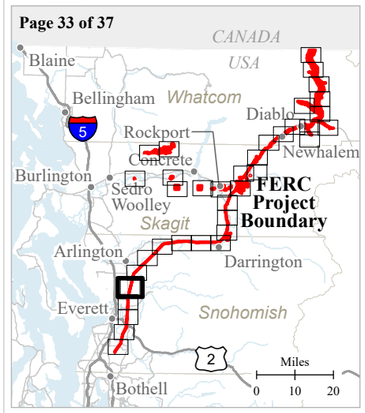
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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

FERC Project Boundary
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Data Source: [NAIP, 2015; SCL, 2020].

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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

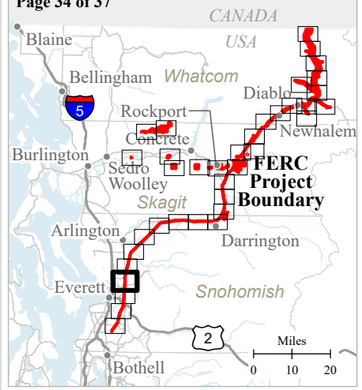
FERC Project Boundary
Primary Highway
Secondary Highway
Other Road
Vegetation Study Area

Canopy Height Model (1m cell size)

Clear - Sparse Vegetation
<= 1.0 - 25.0 ft.
25.1- 40.0 ft.
40.1-60.0 ft.
60.1-90.0 ft.
>90 ft.

N

0 1,000 2,000 Feet



Seattle City Light

SKAGIT RIVER HYDROELECTRIC PROJECT (FERC NO. 553)

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City Light provides no warranty, expressed or implied, as to the accuracy, reliability or completeness of this data.
Data Source: [NAIP, 2015; SCL, 2020].

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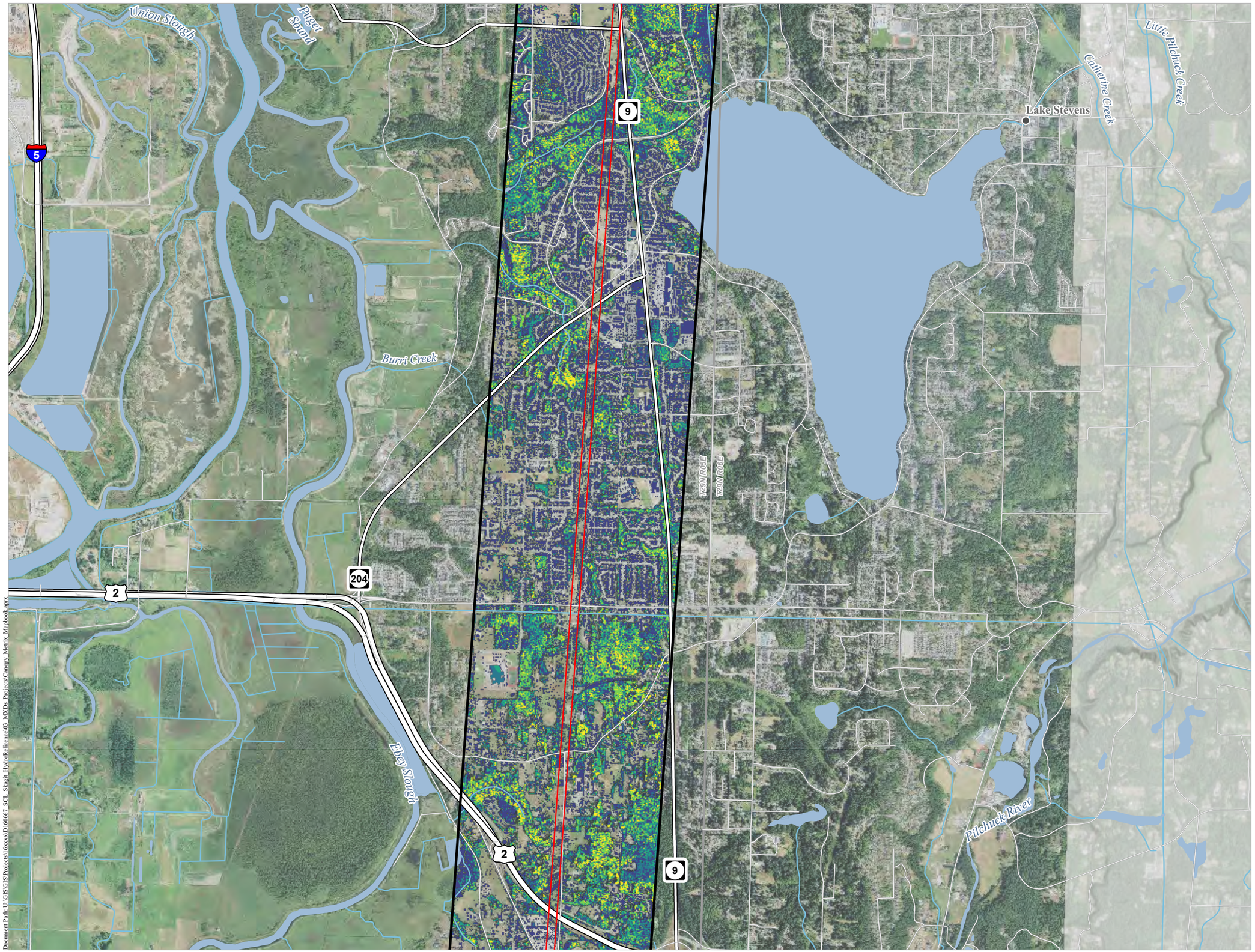
TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

- FERC Project Boundary
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- Secondary Highway
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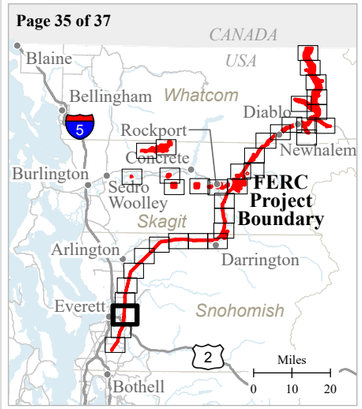
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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

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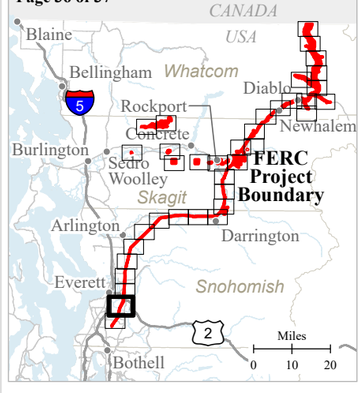
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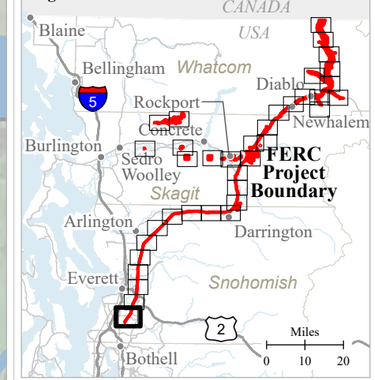
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TR-01 VEGETATION MAPPING DRAFT CANOPY HEIGHT MAPBOOK

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