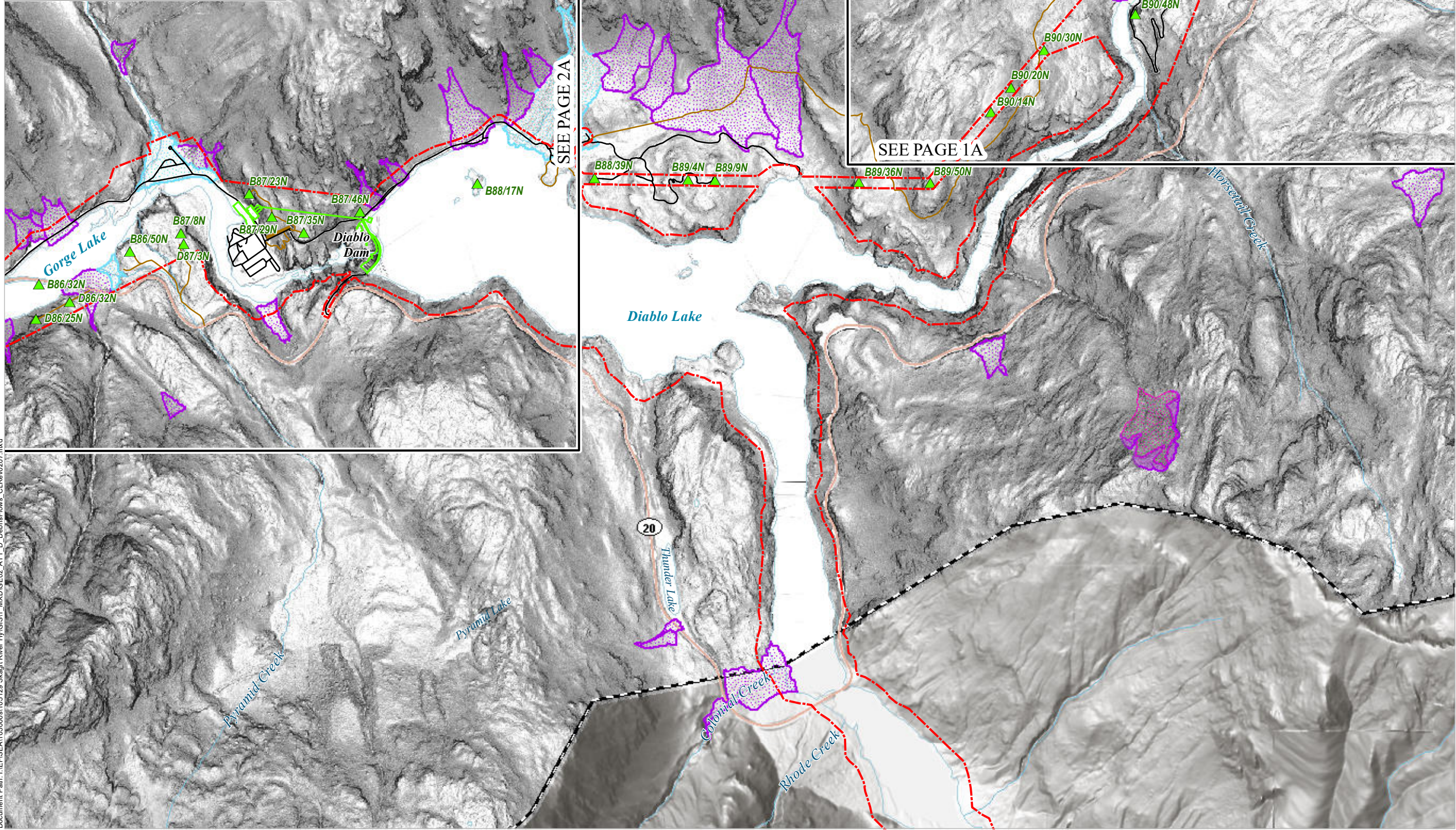
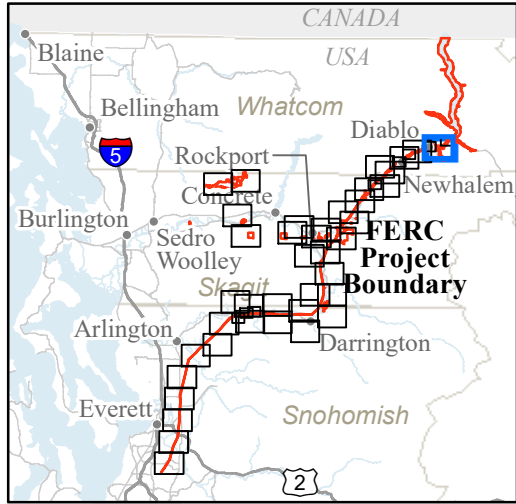


**EROSION AND GEOLOGIC HAZARDS AT PROJECT FACILITIES
AND TRANSMISSION LINE RIGHT-OF-WAY STUDY
INTERIM REPORT**

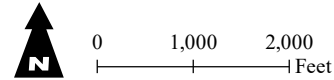
ATTACHMENT D

DEBRIS FLOW AND FAN ANALYSIS MAPBOOK

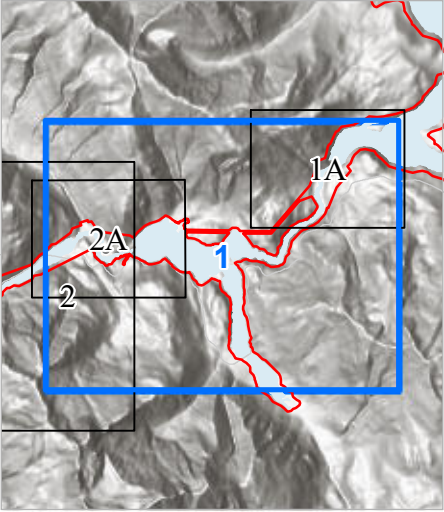


GE-02: DEBRIS FLOW AND FAN ANALYSIS

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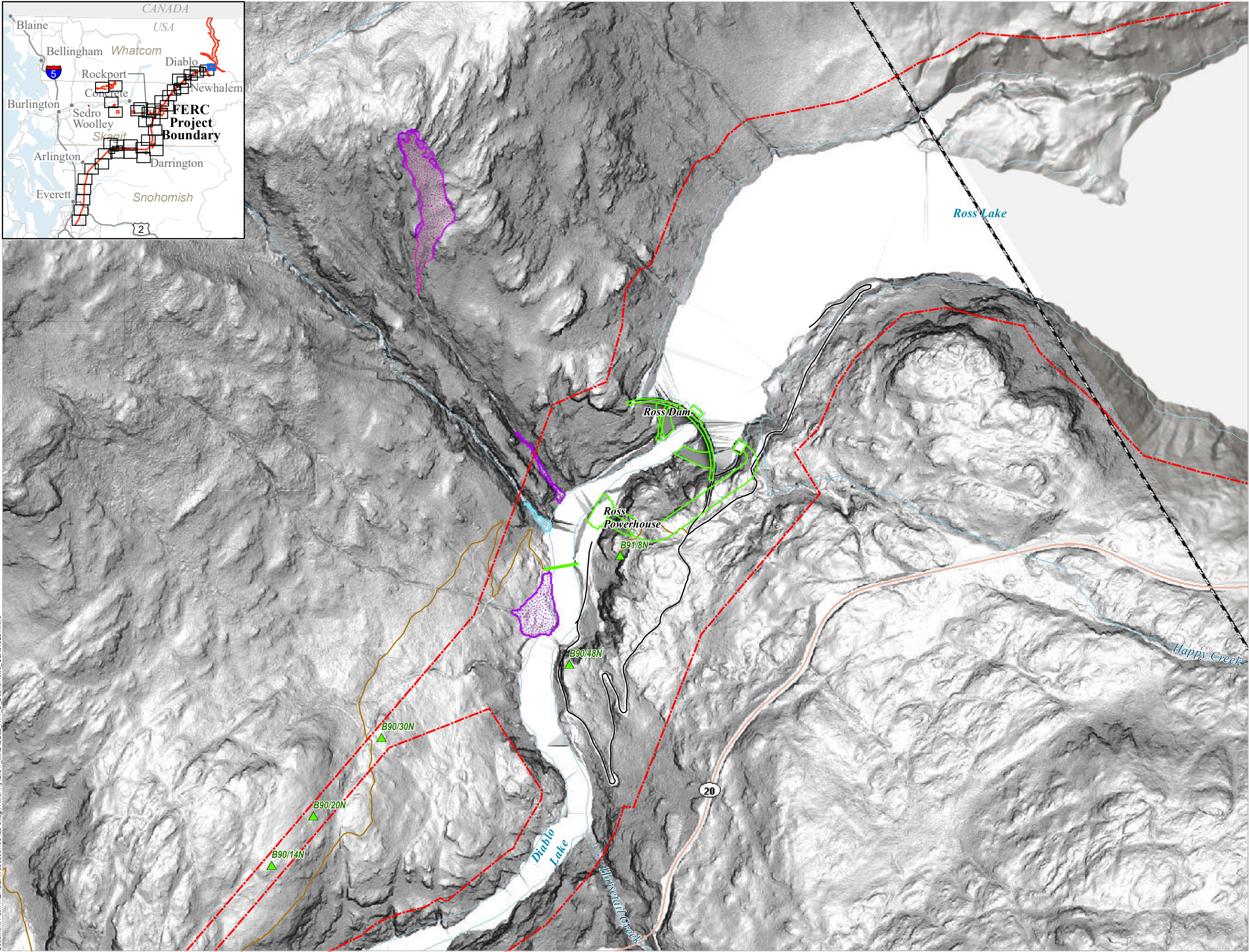
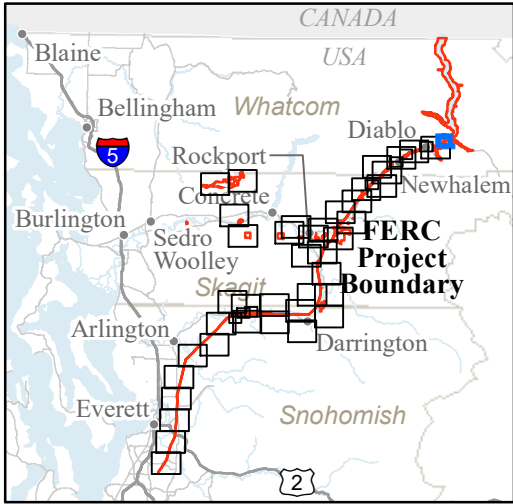
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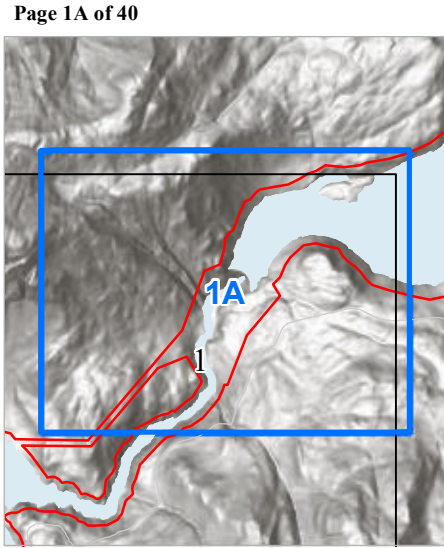
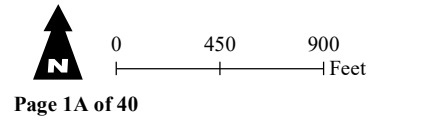
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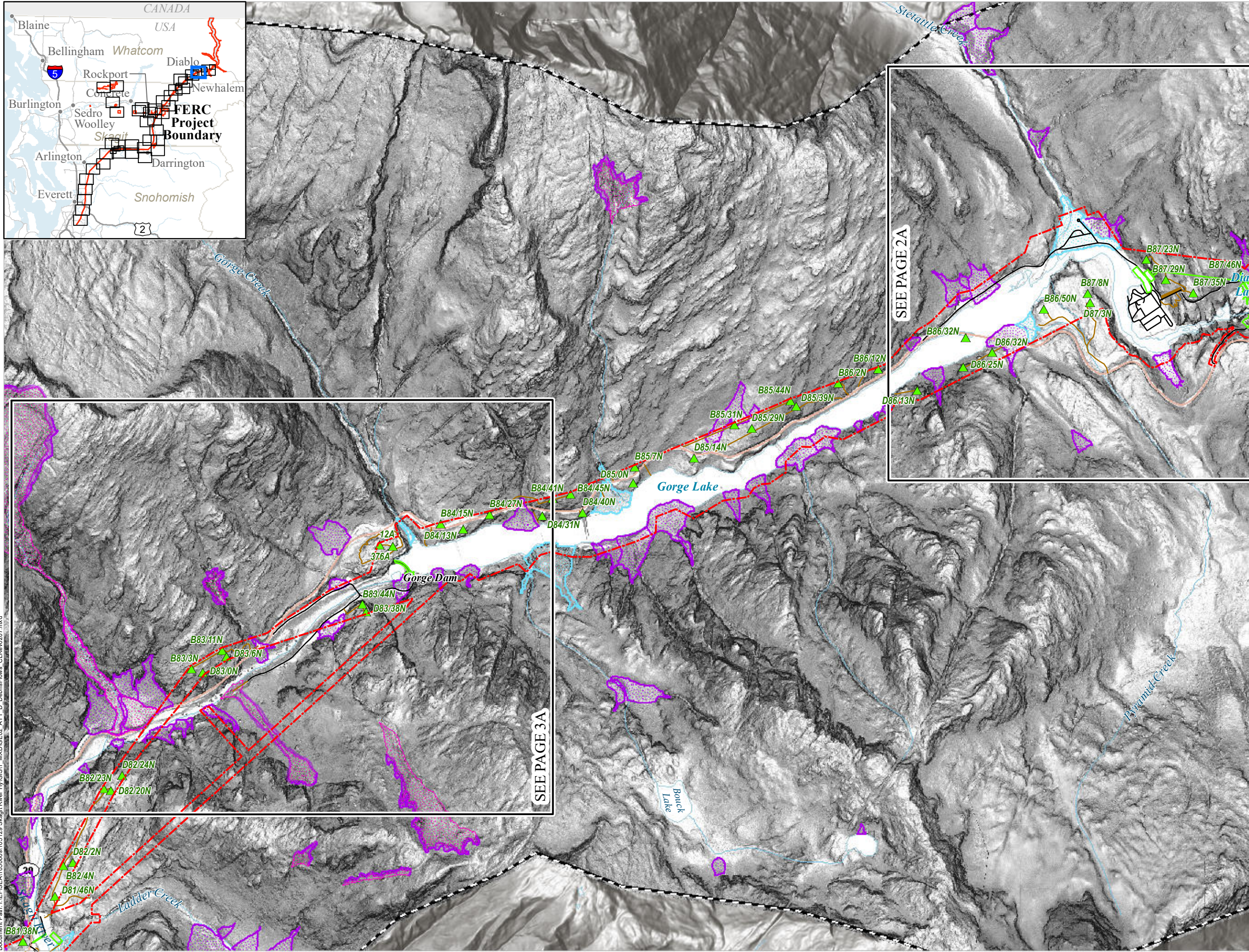
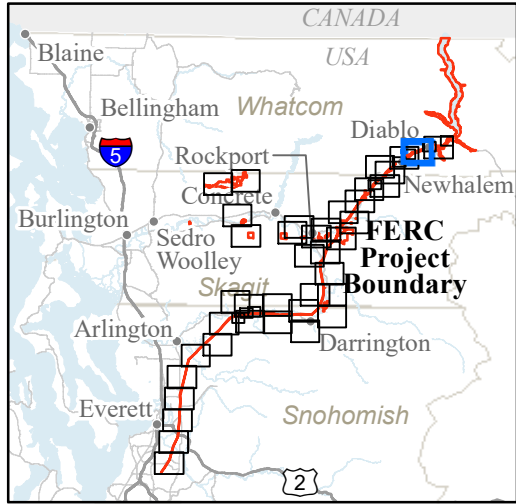
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GE-02: DEBRIS FLOW AND FAN ANALYSIS

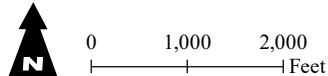
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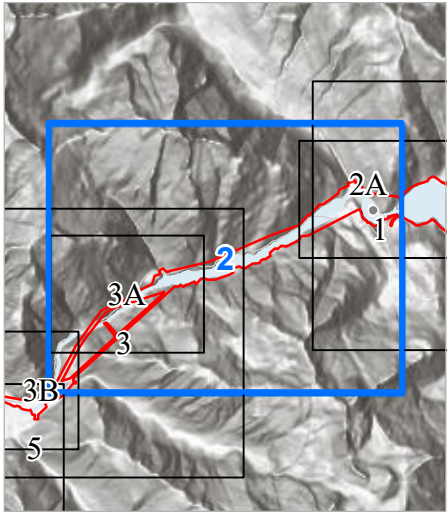


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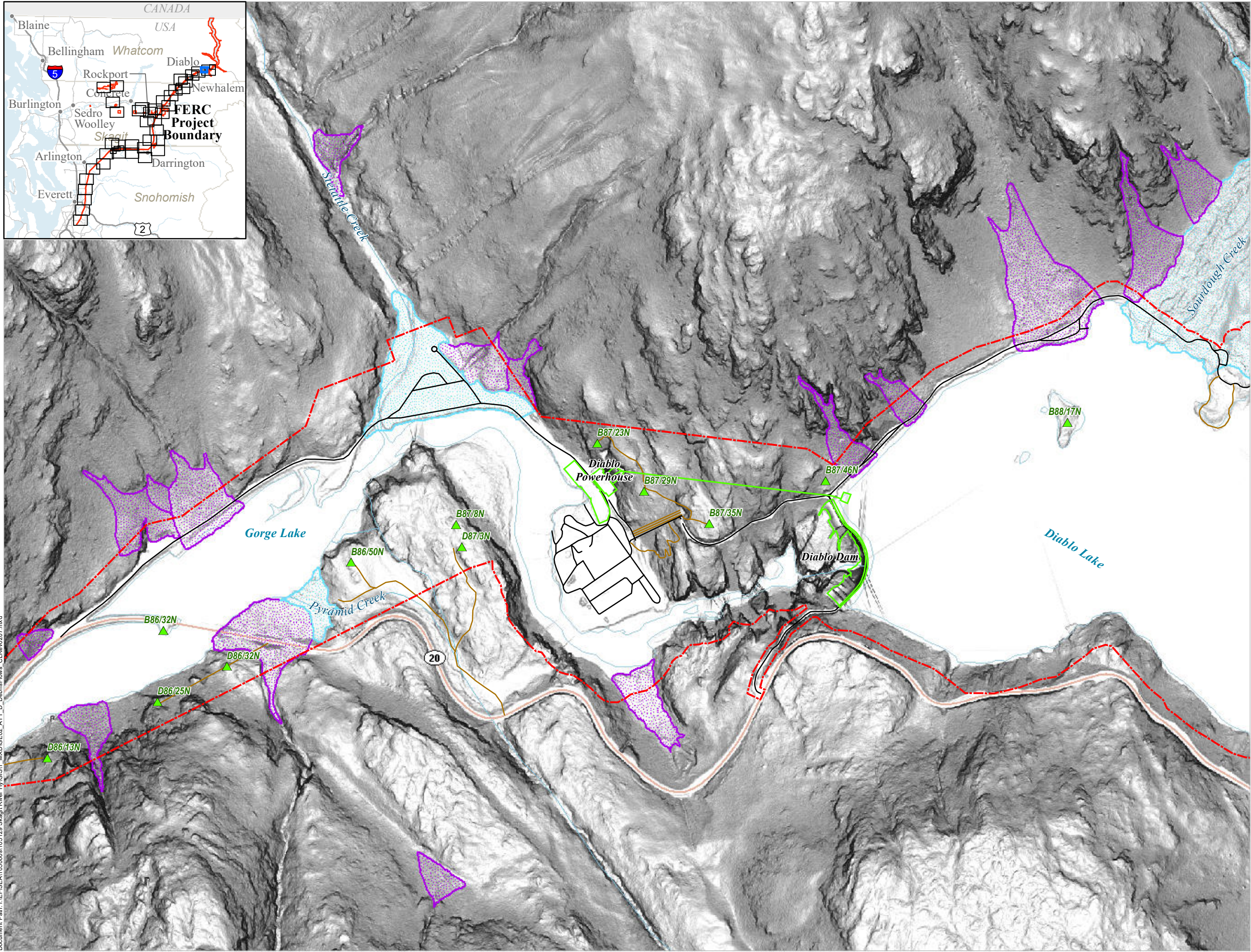
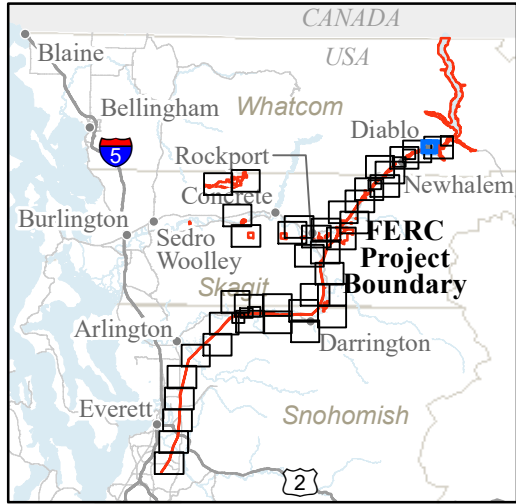
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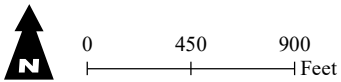
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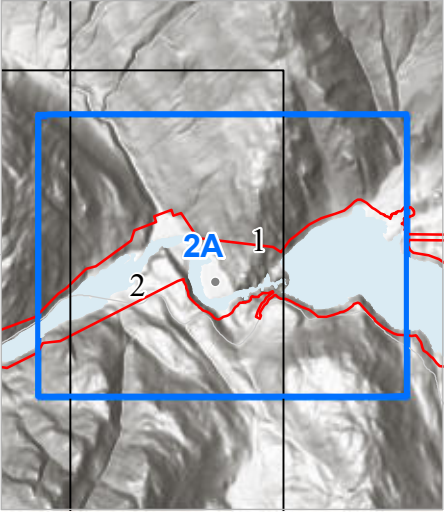


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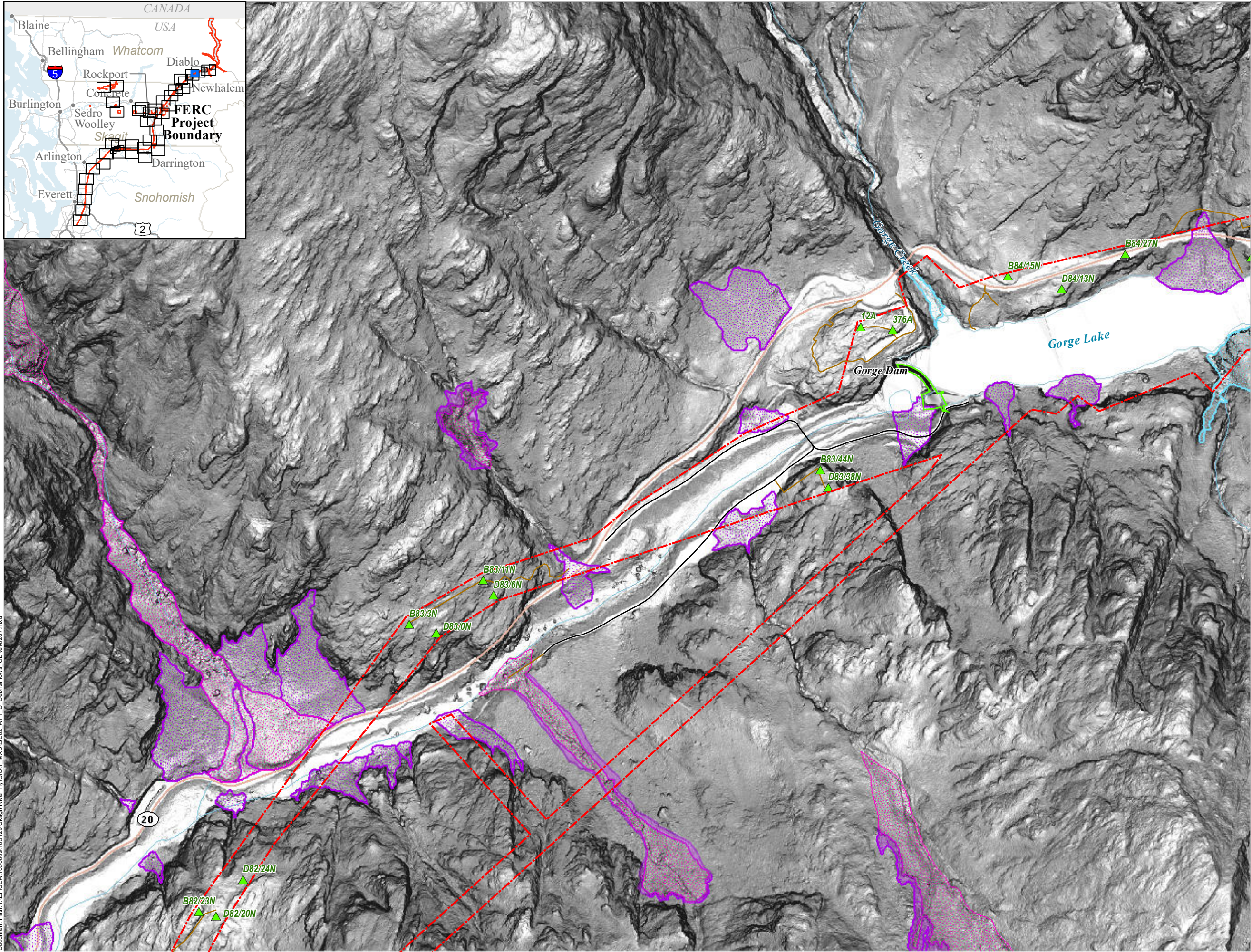
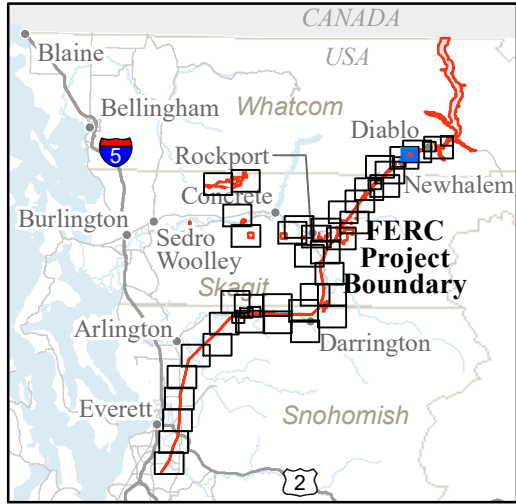
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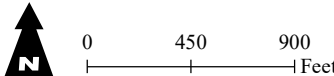
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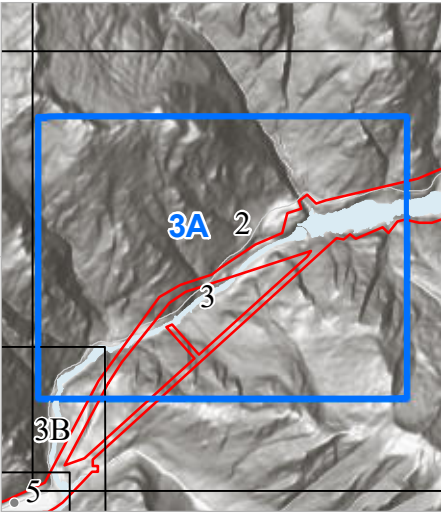


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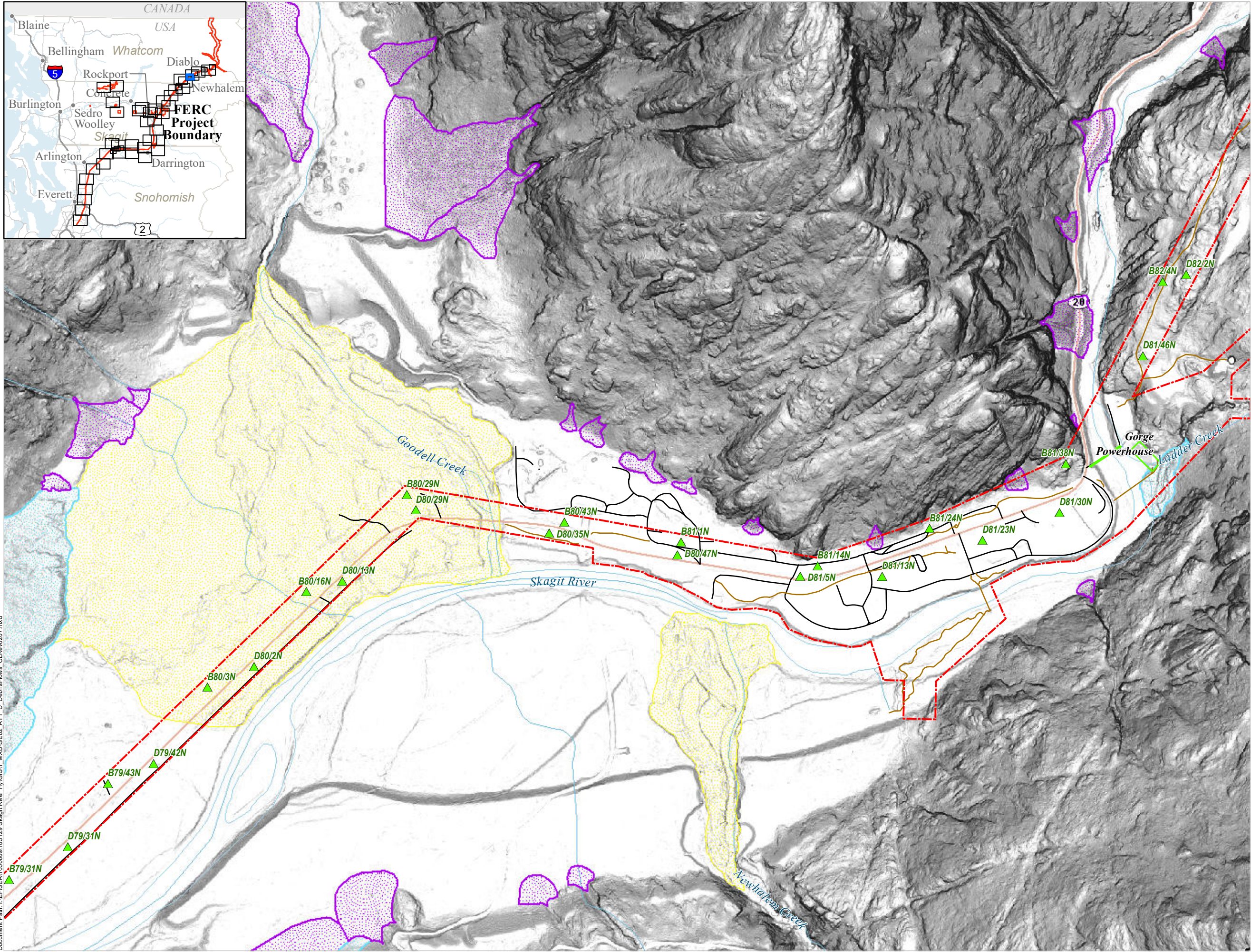
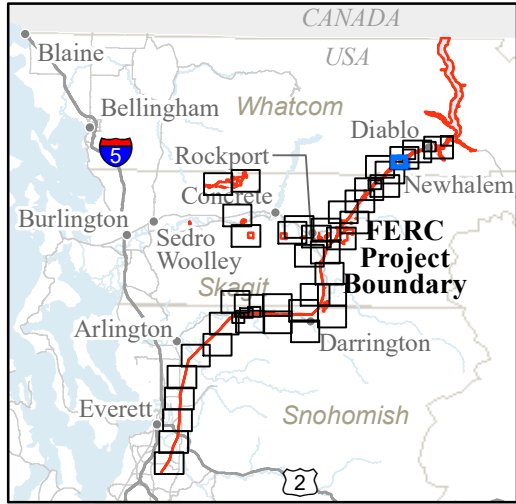
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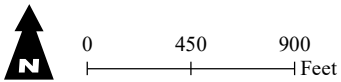
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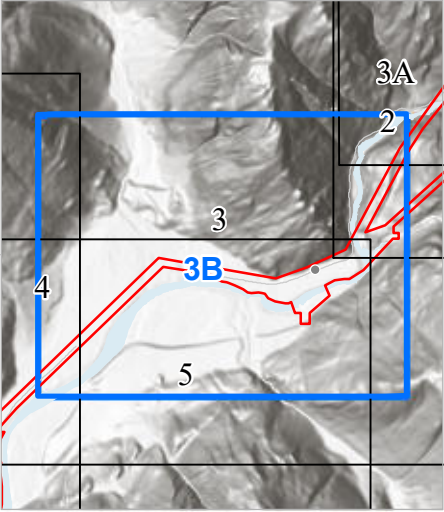


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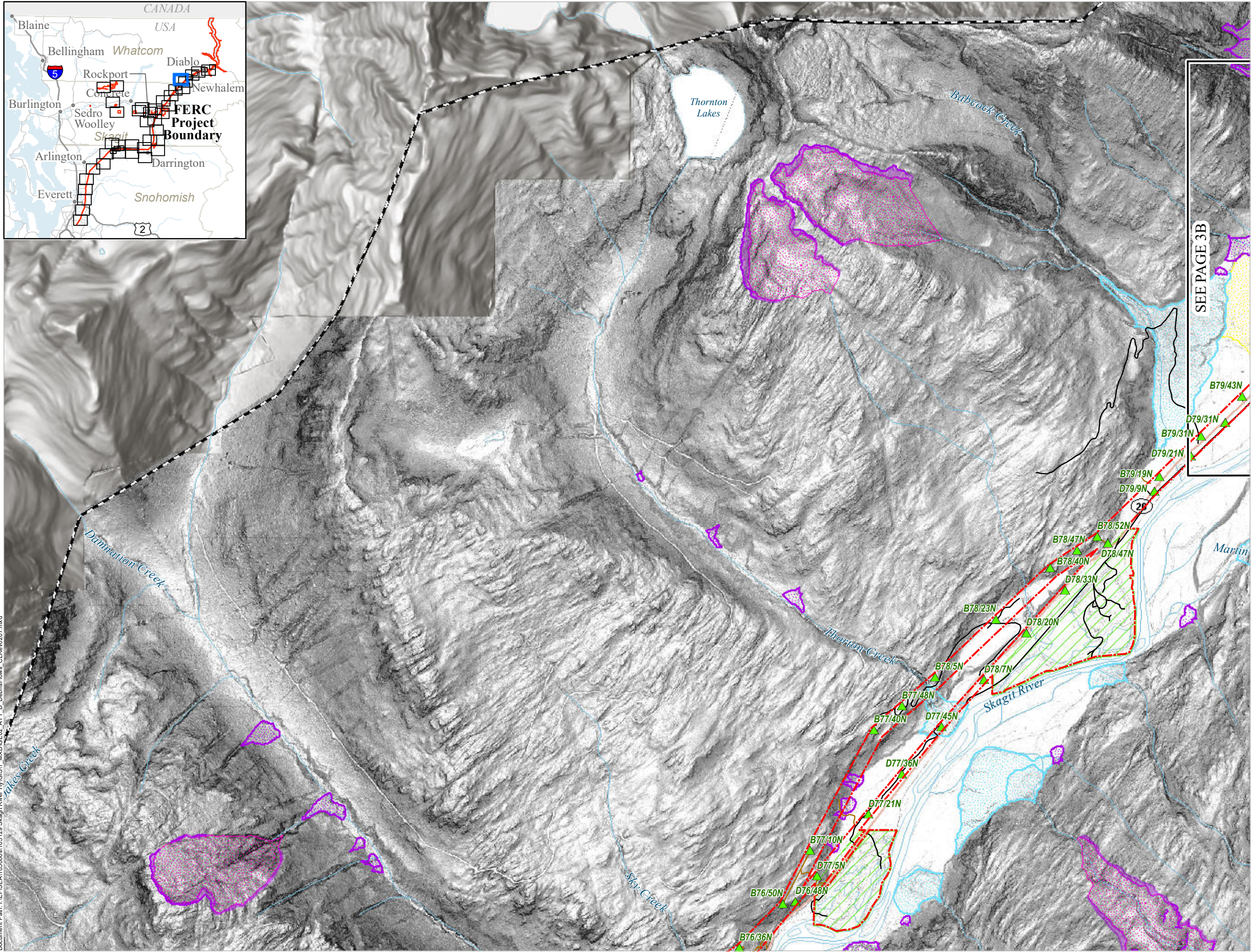
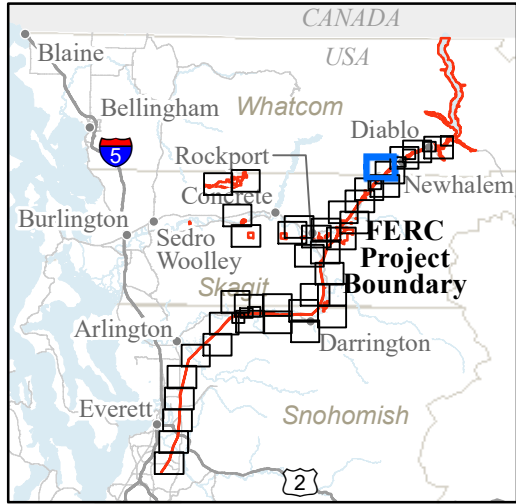
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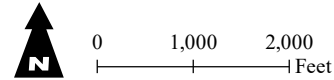
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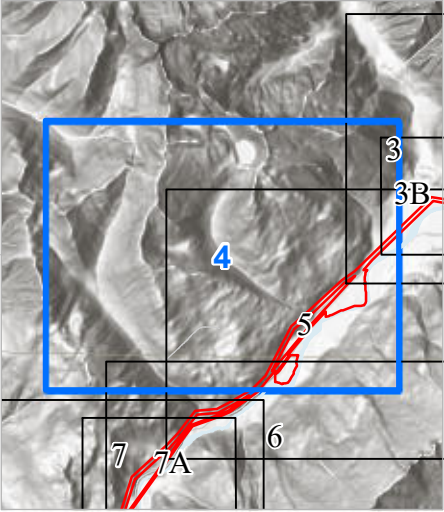


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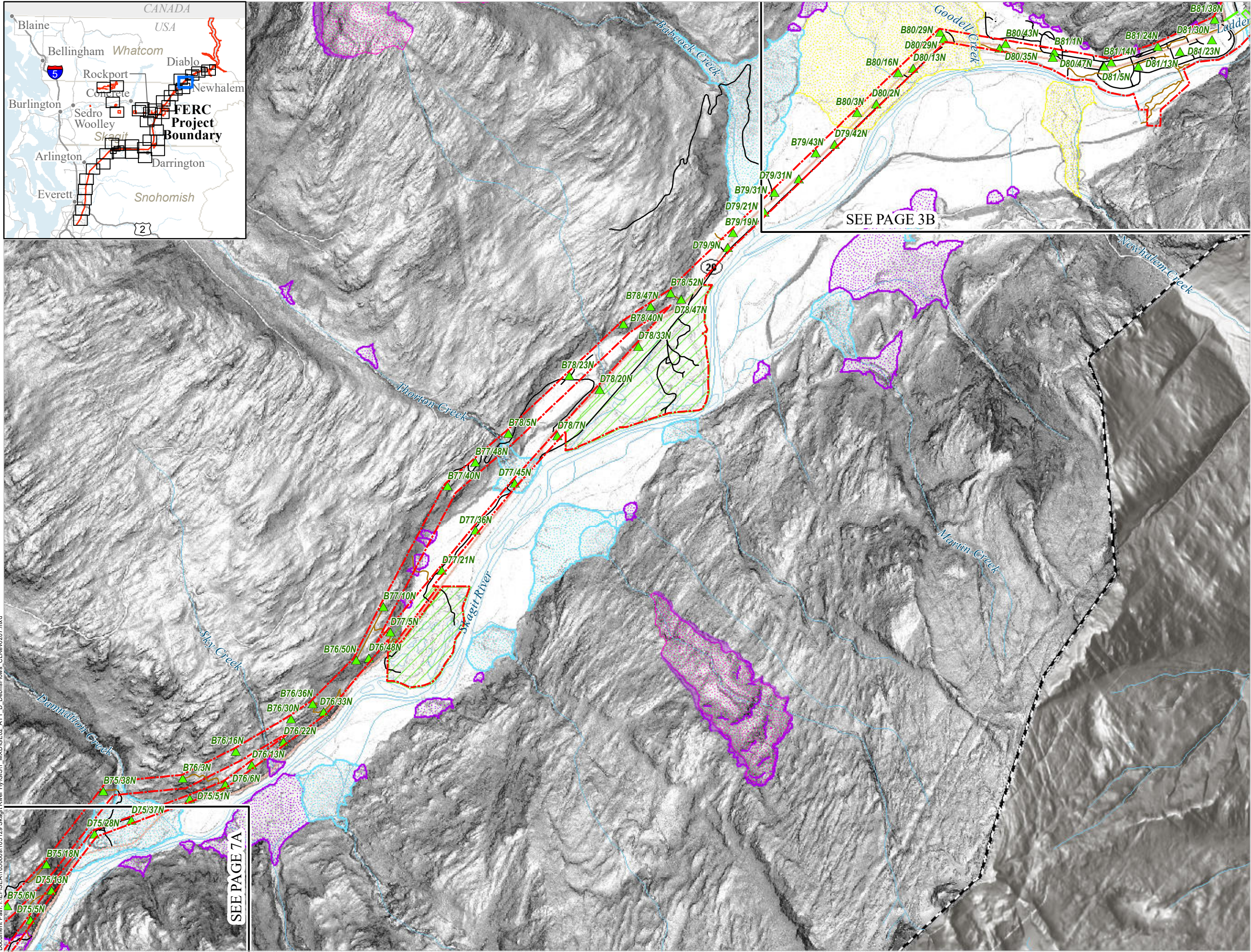
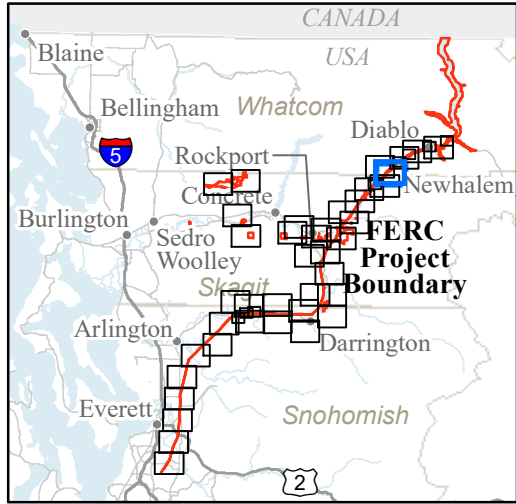
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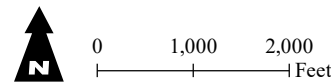
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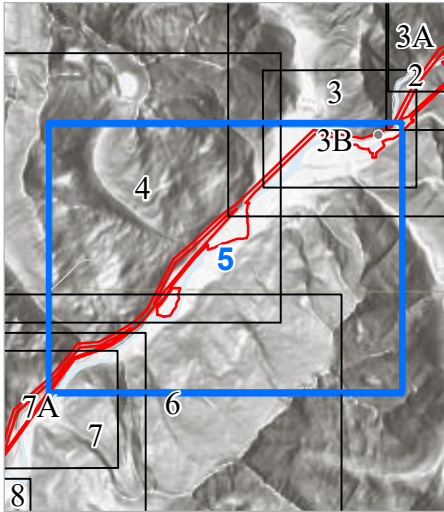


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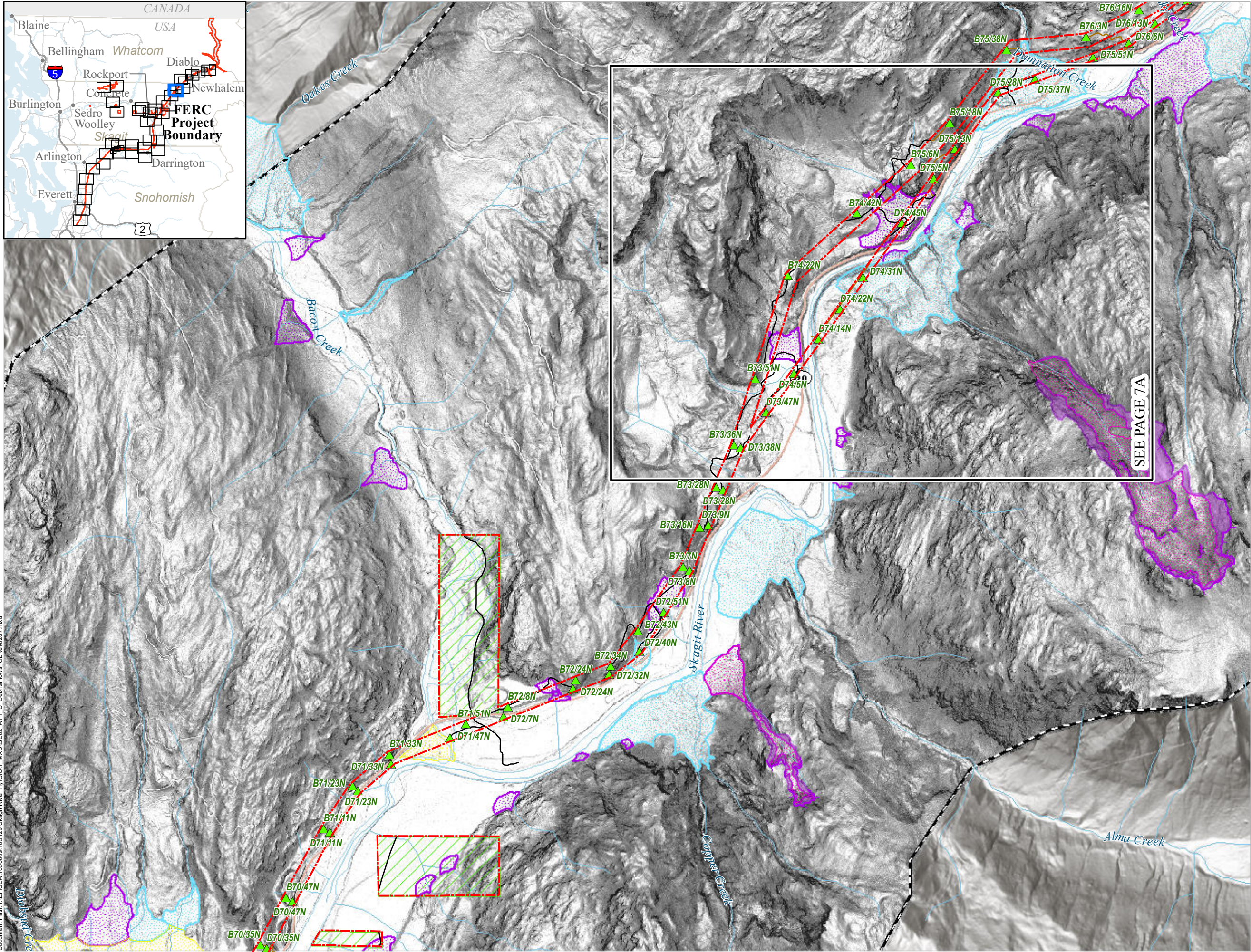
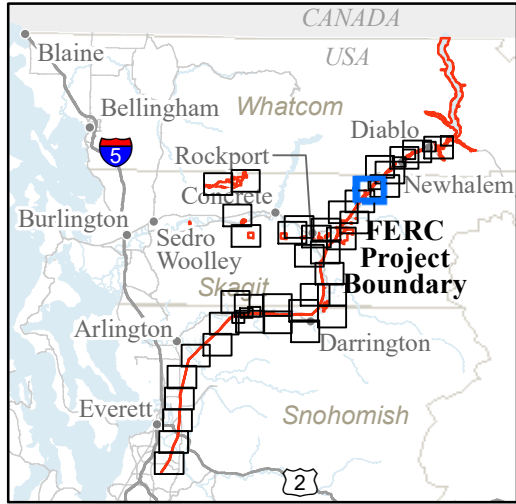
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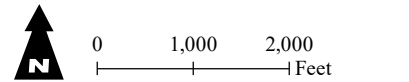
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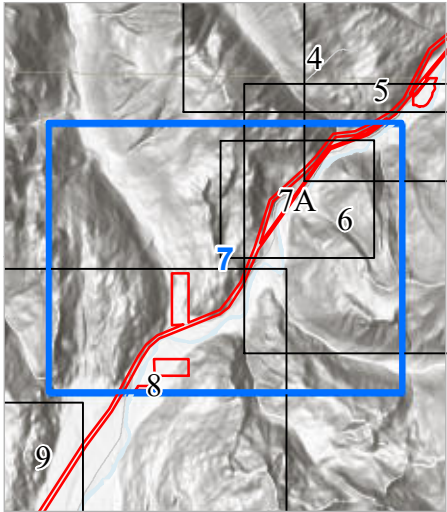


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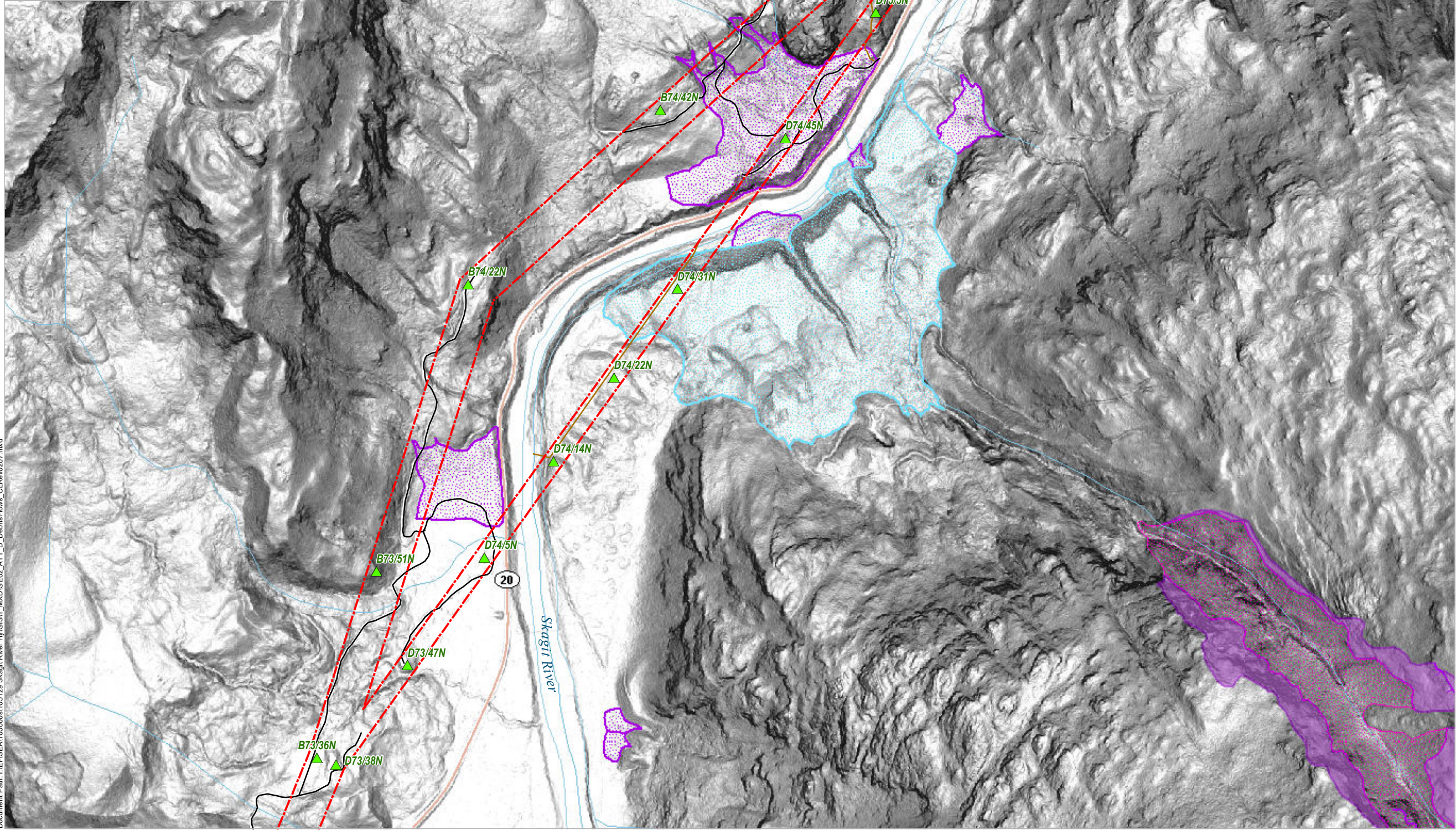
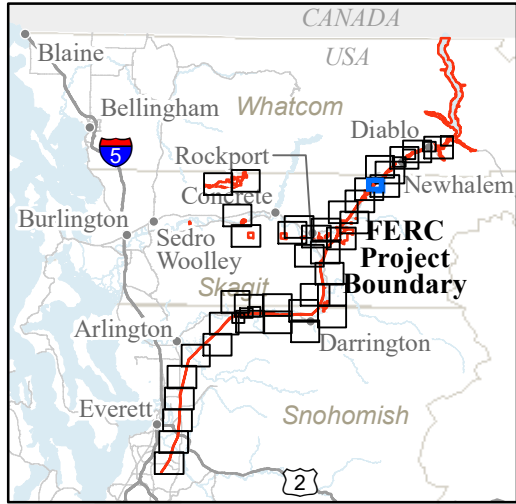
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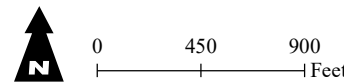
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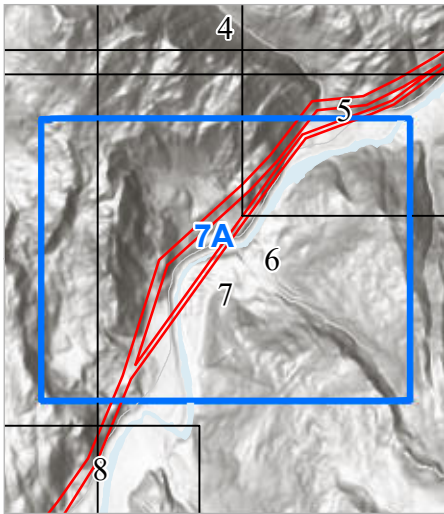


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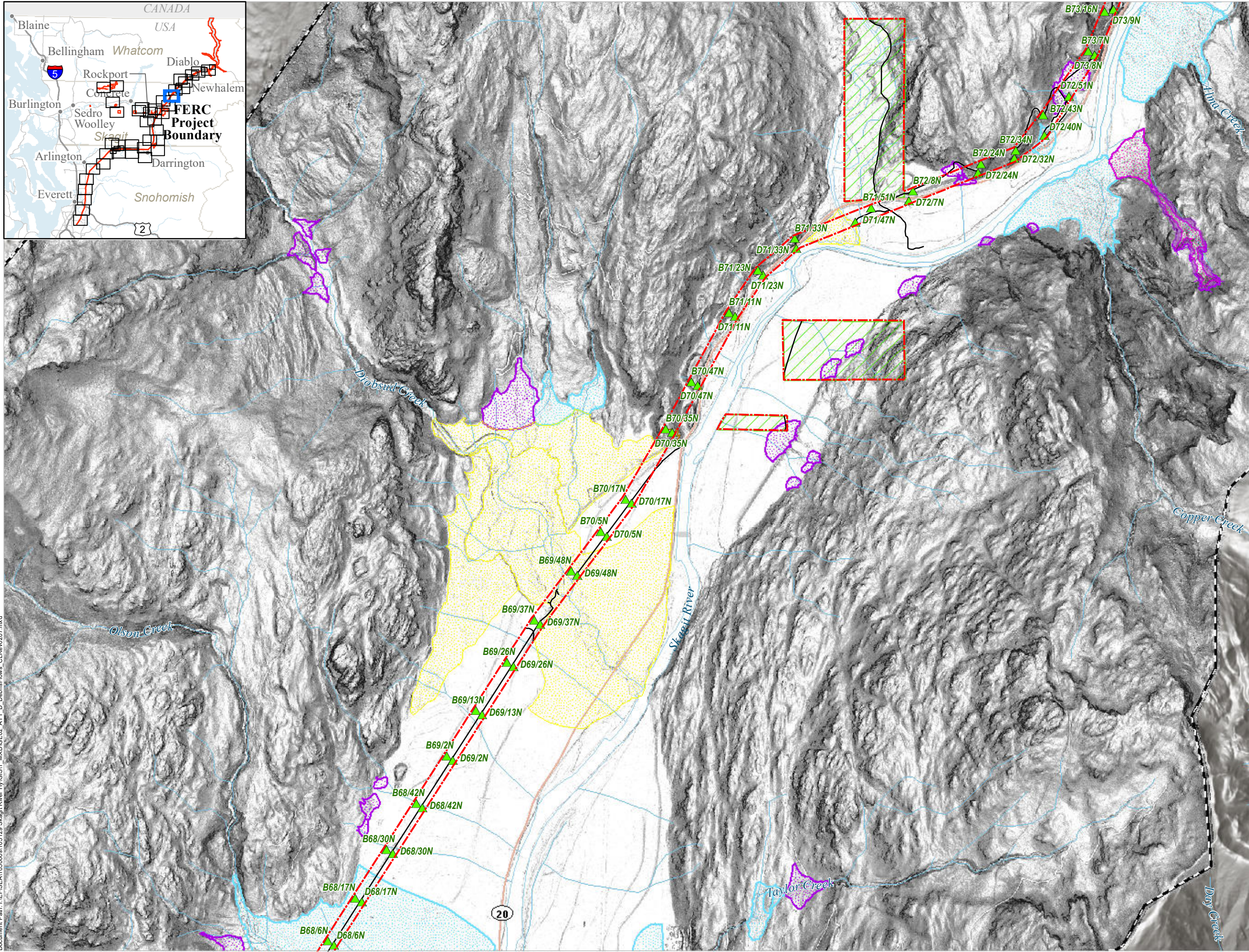
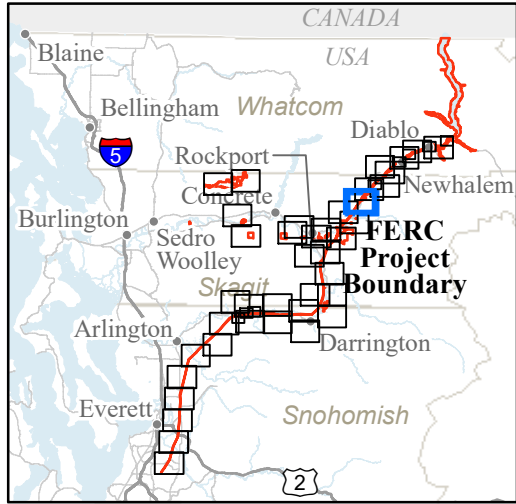
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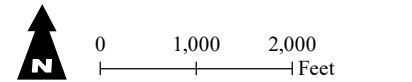
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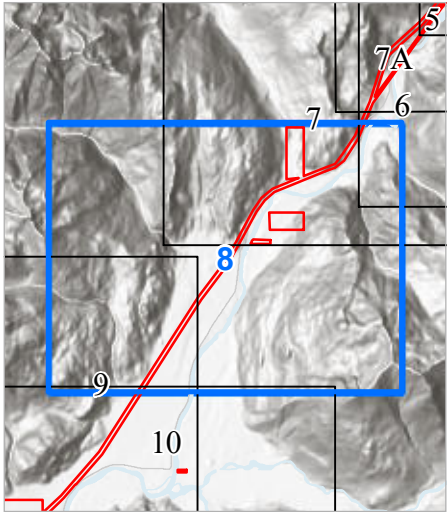


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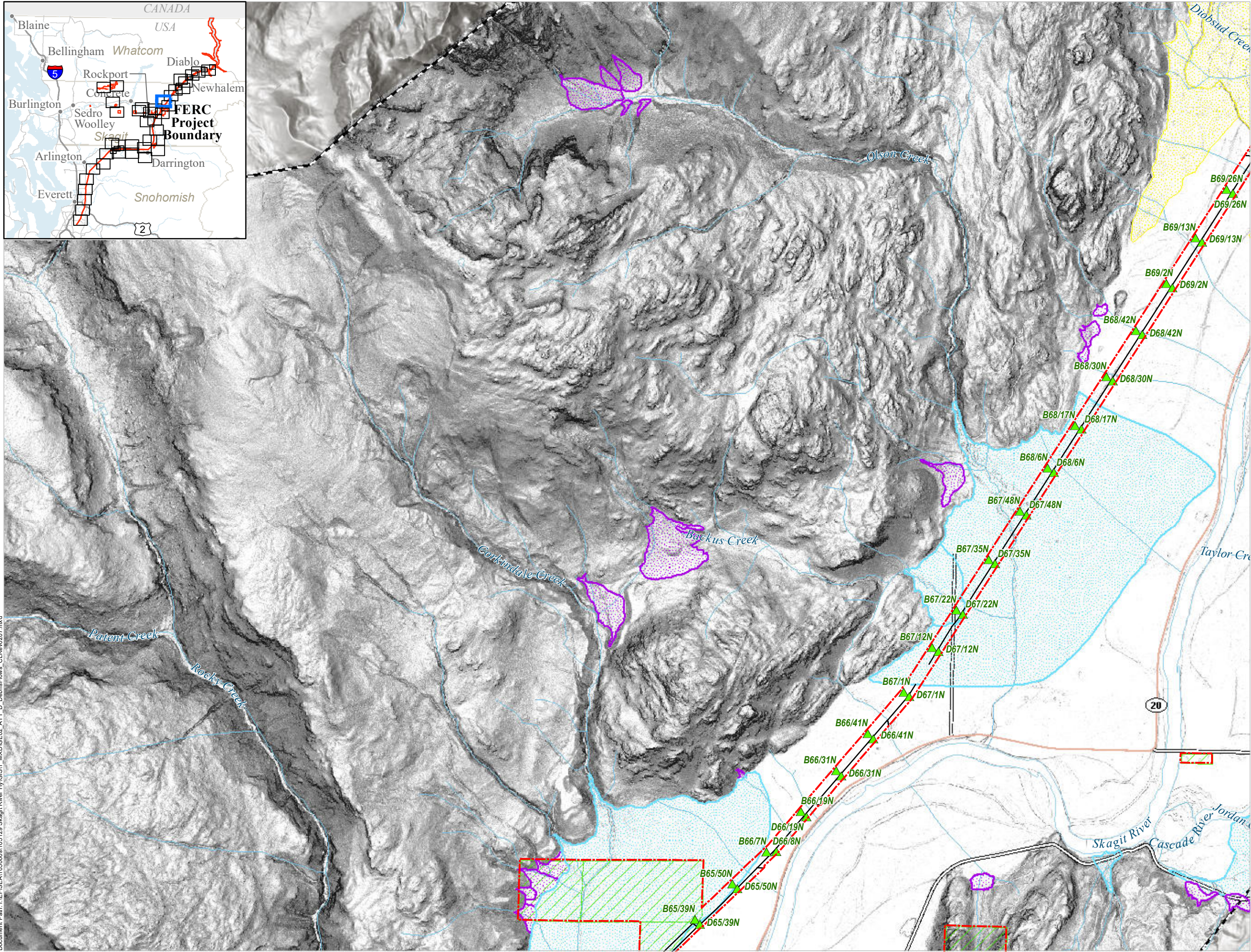
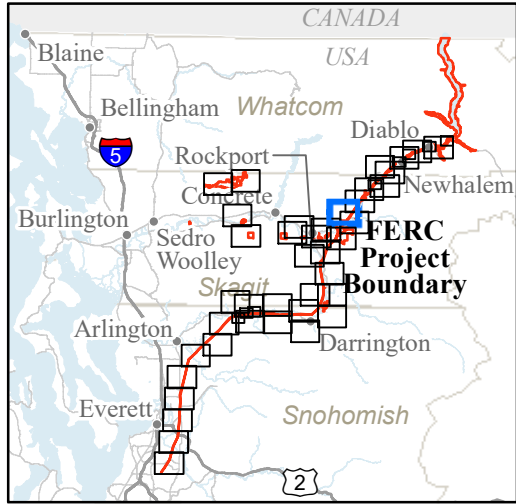
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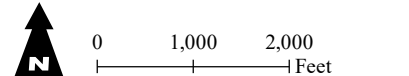
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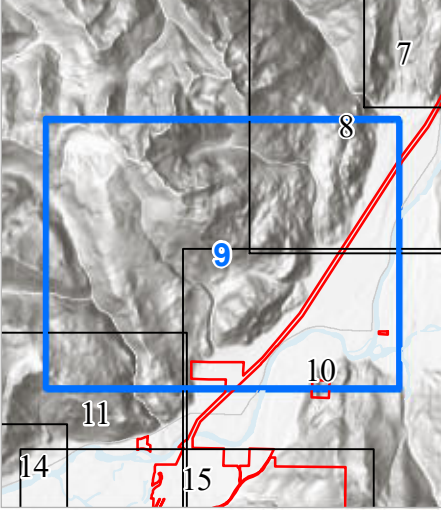


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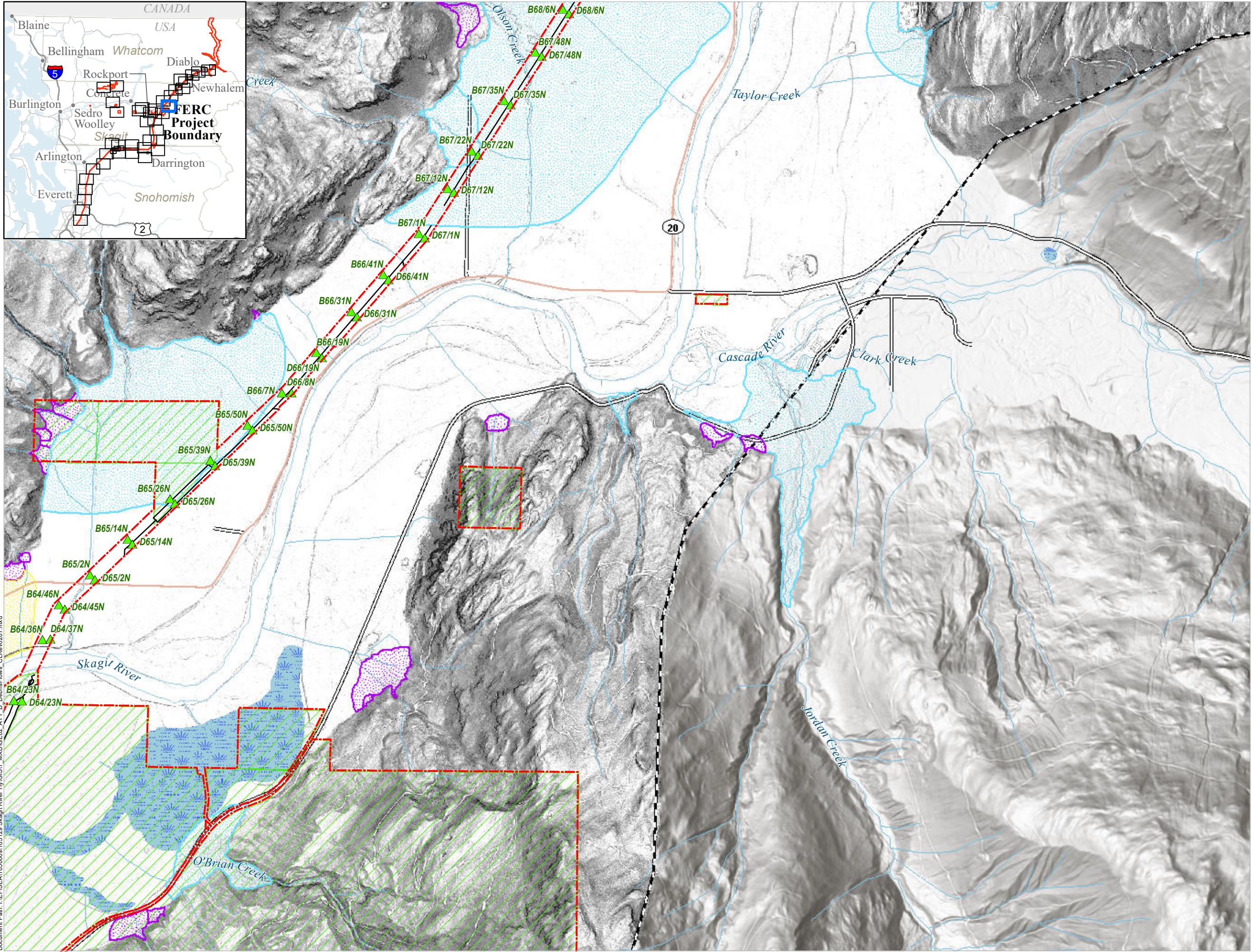
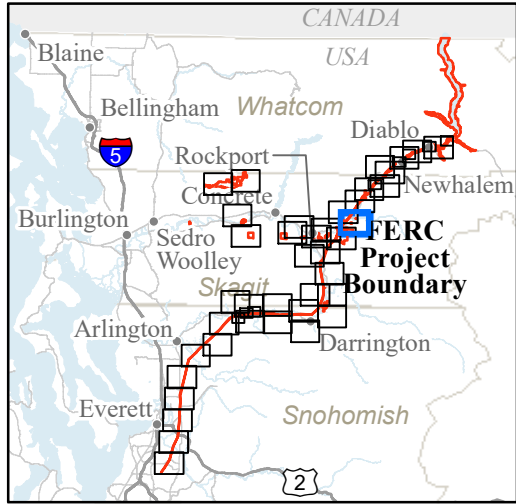


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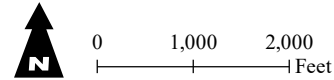
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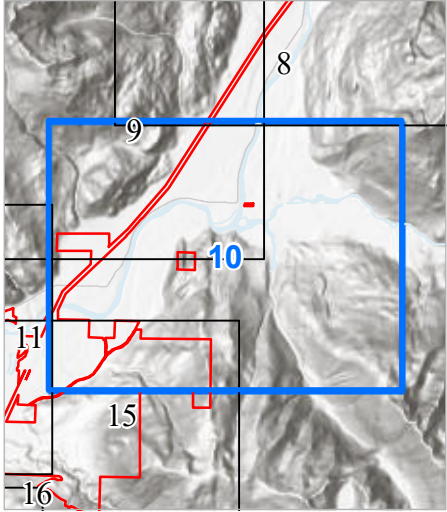


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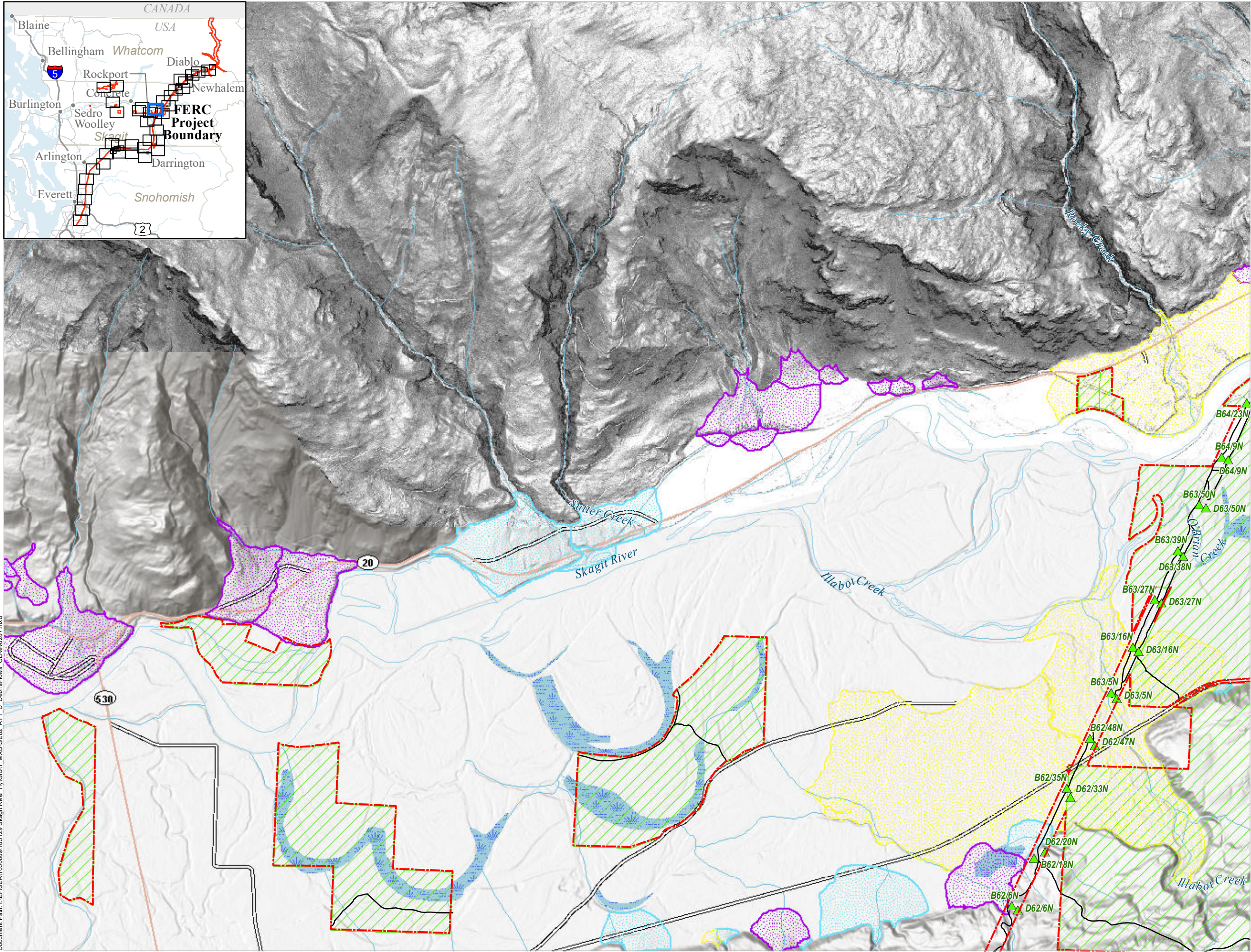
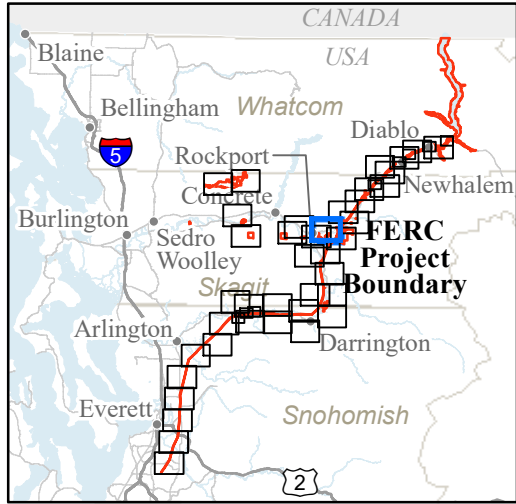
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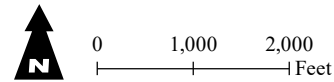
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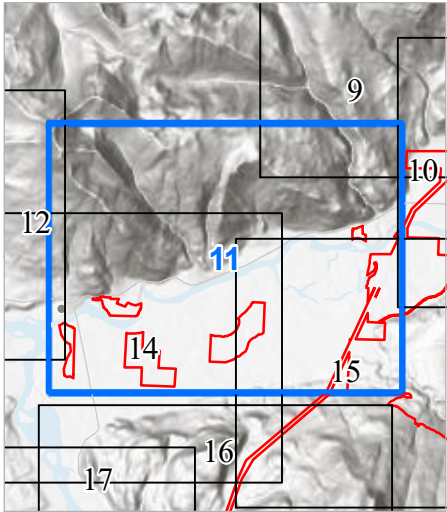


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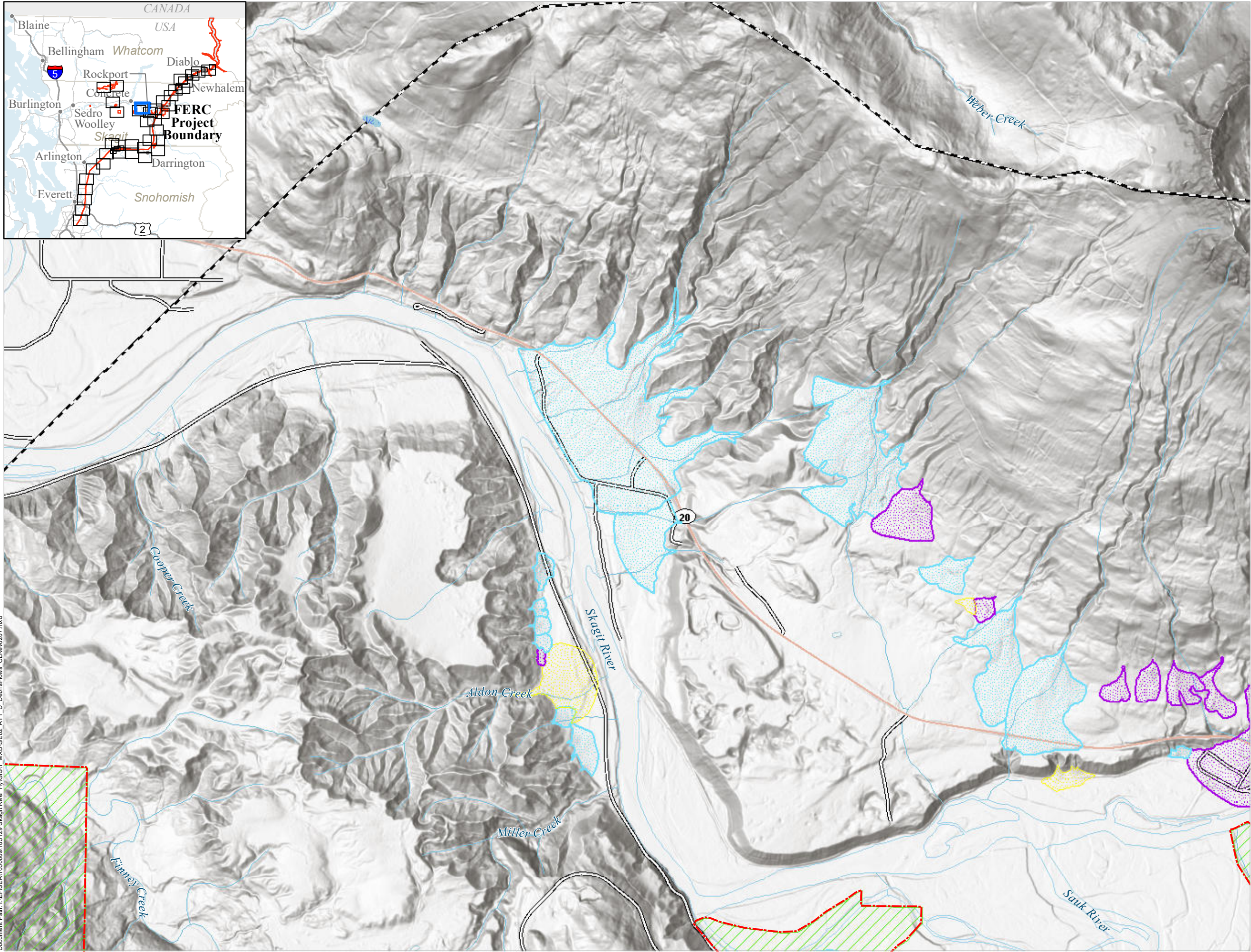
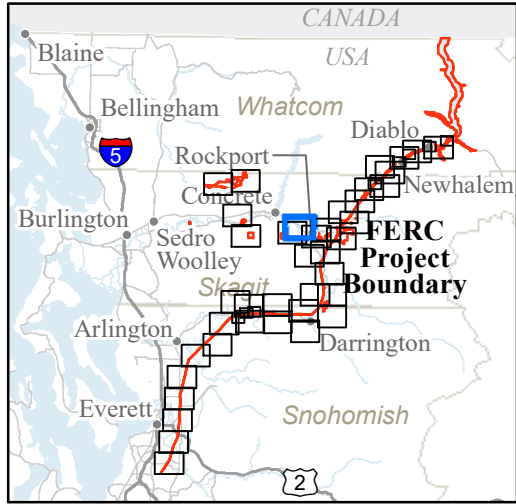
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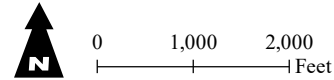
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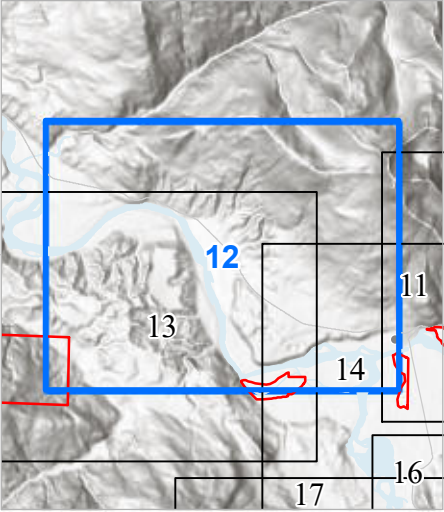


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- Fan Deposits
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 - Debris Flood
 - Debris Flow



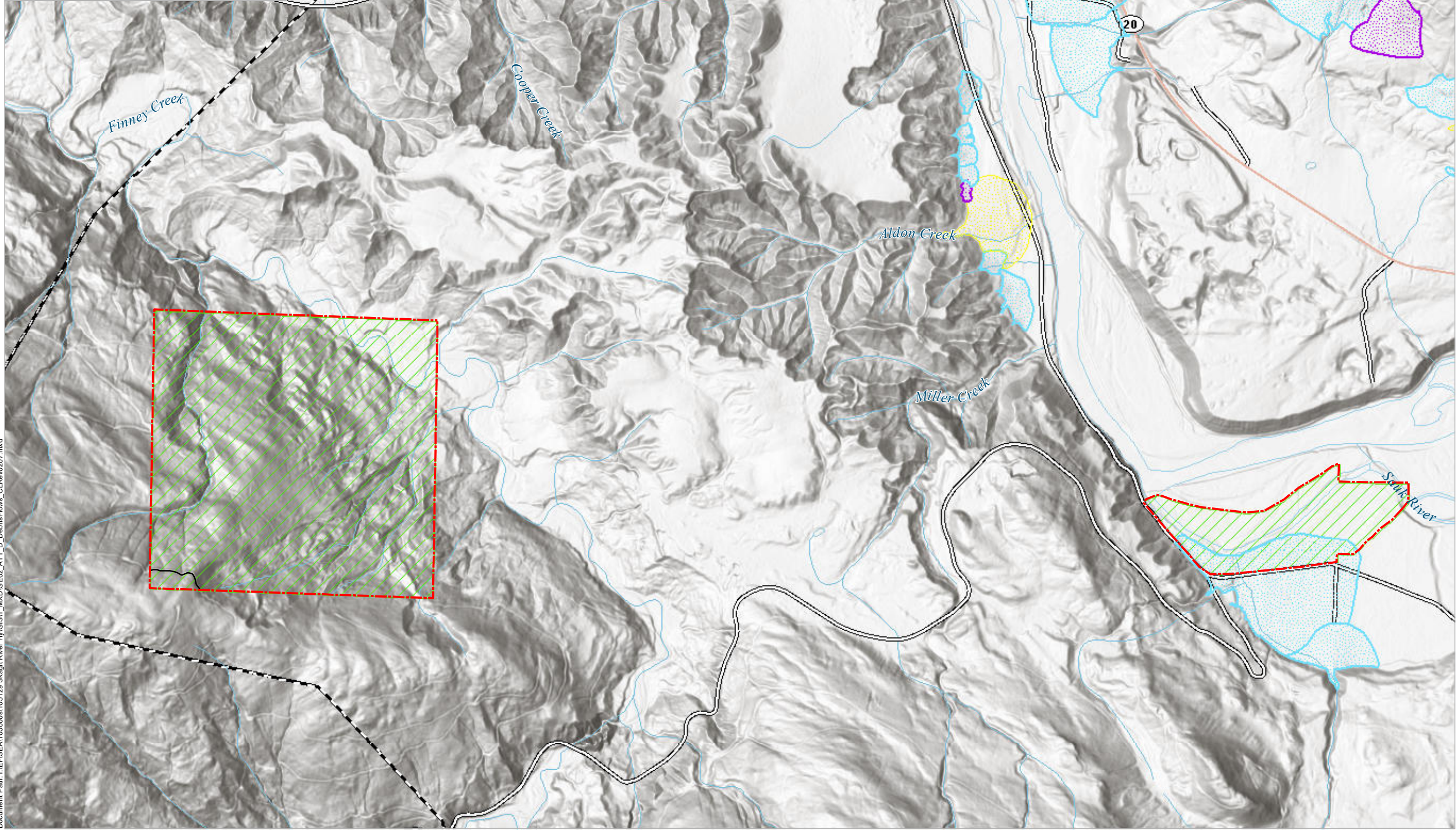
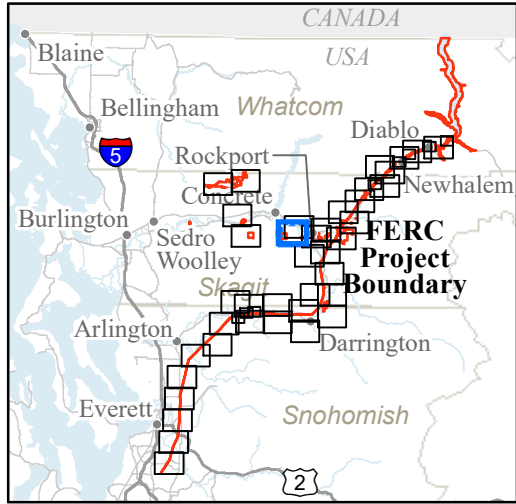
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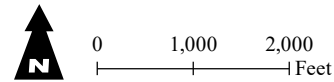
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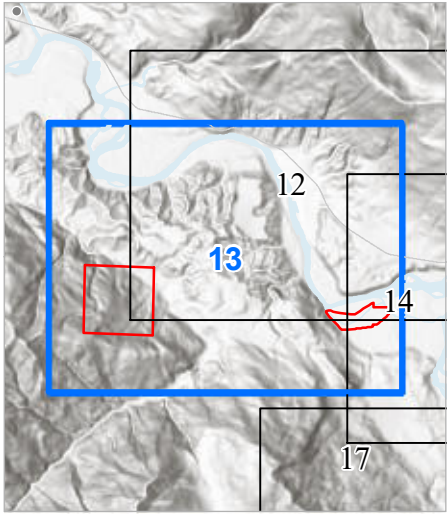


GE-02: DEBRIS FLOW AND FAN ANALYSIS

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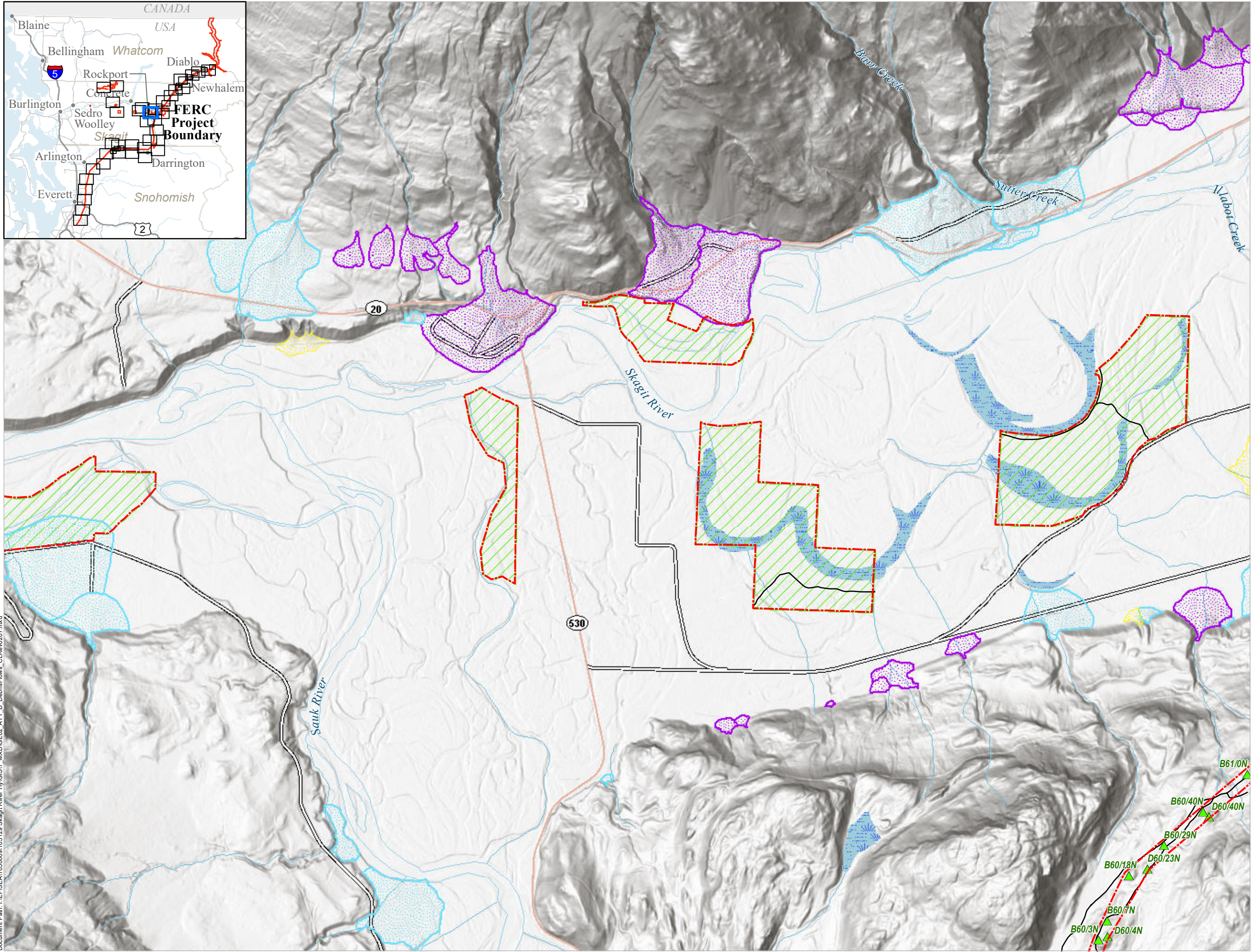
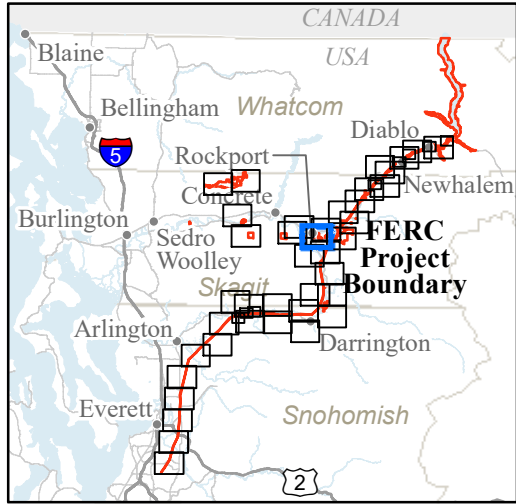
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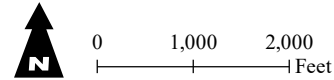
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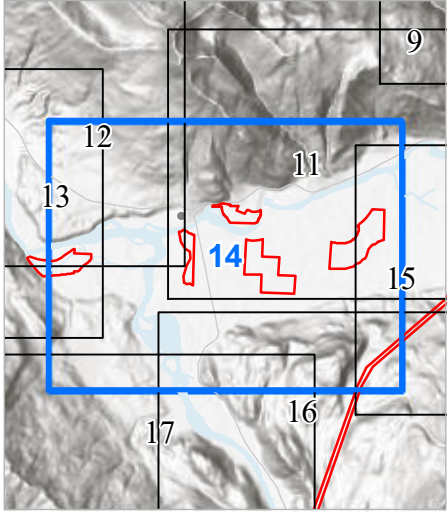


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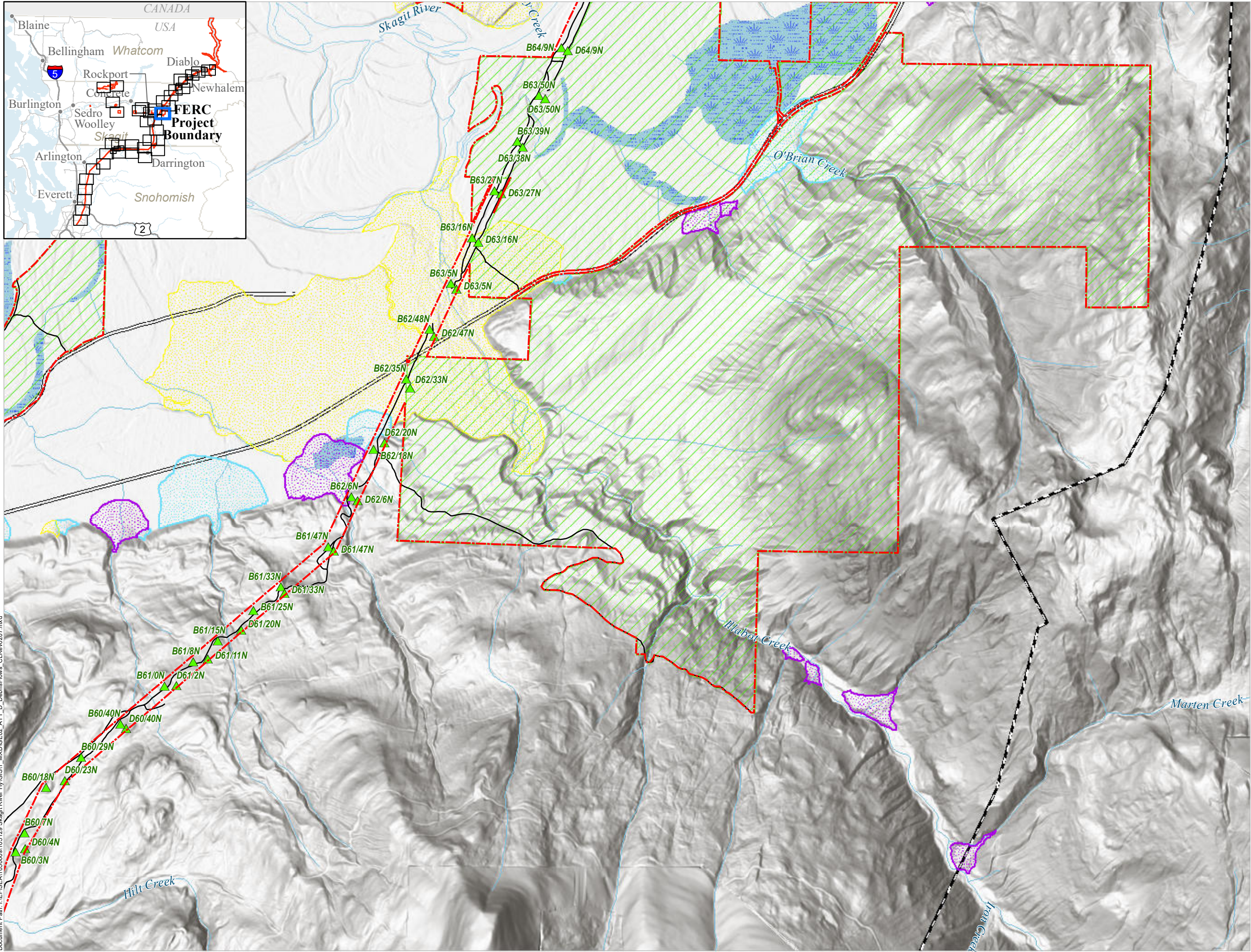
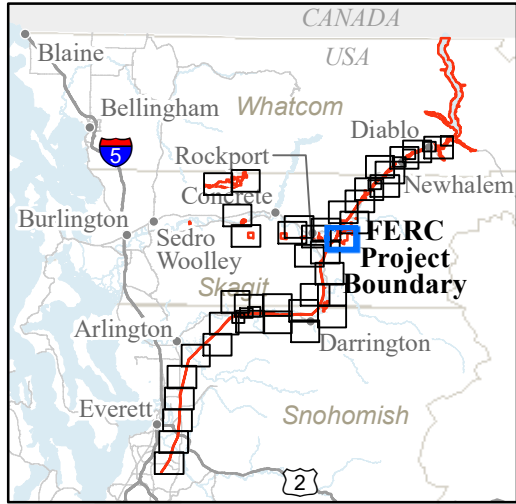
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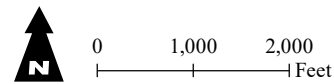
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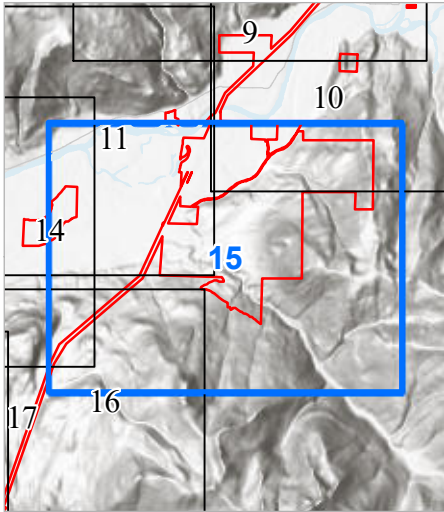


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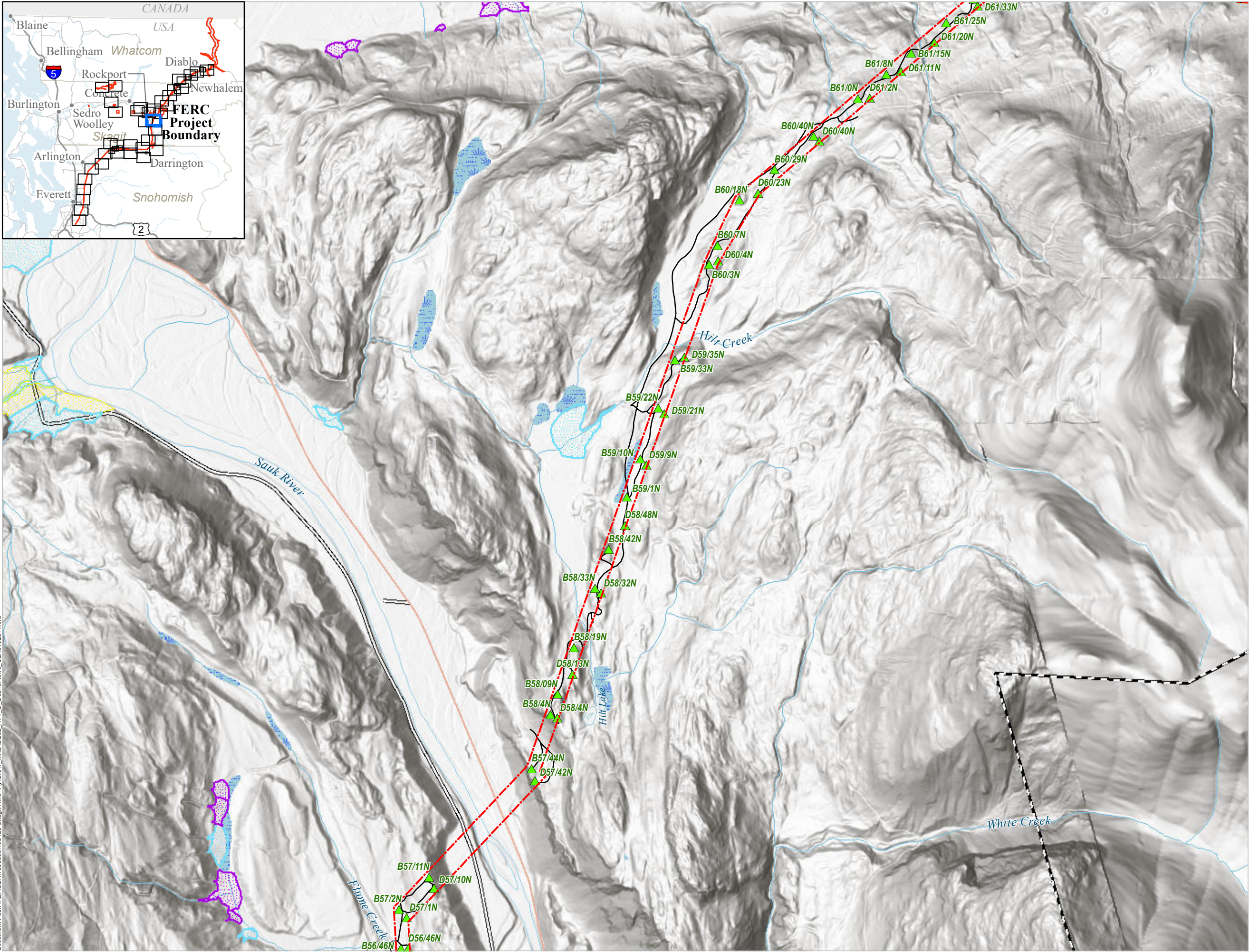
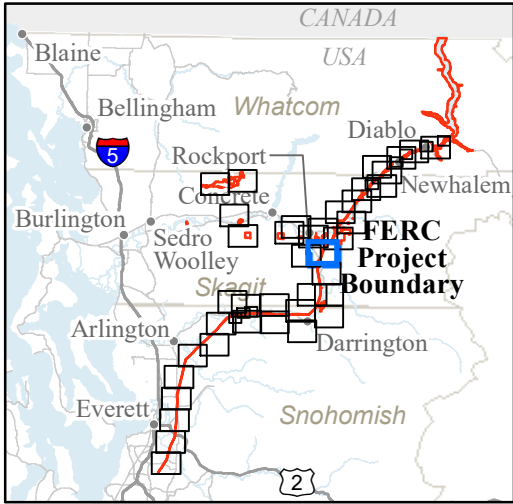
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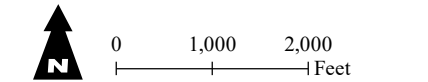
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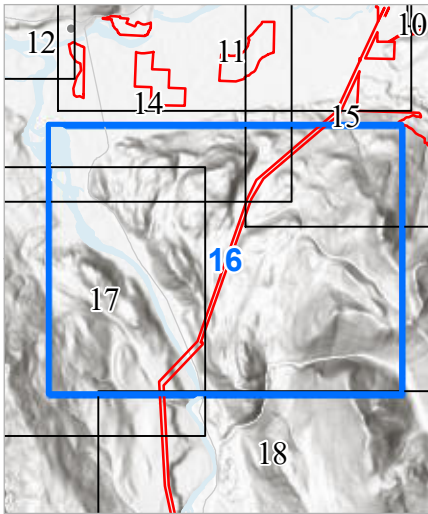


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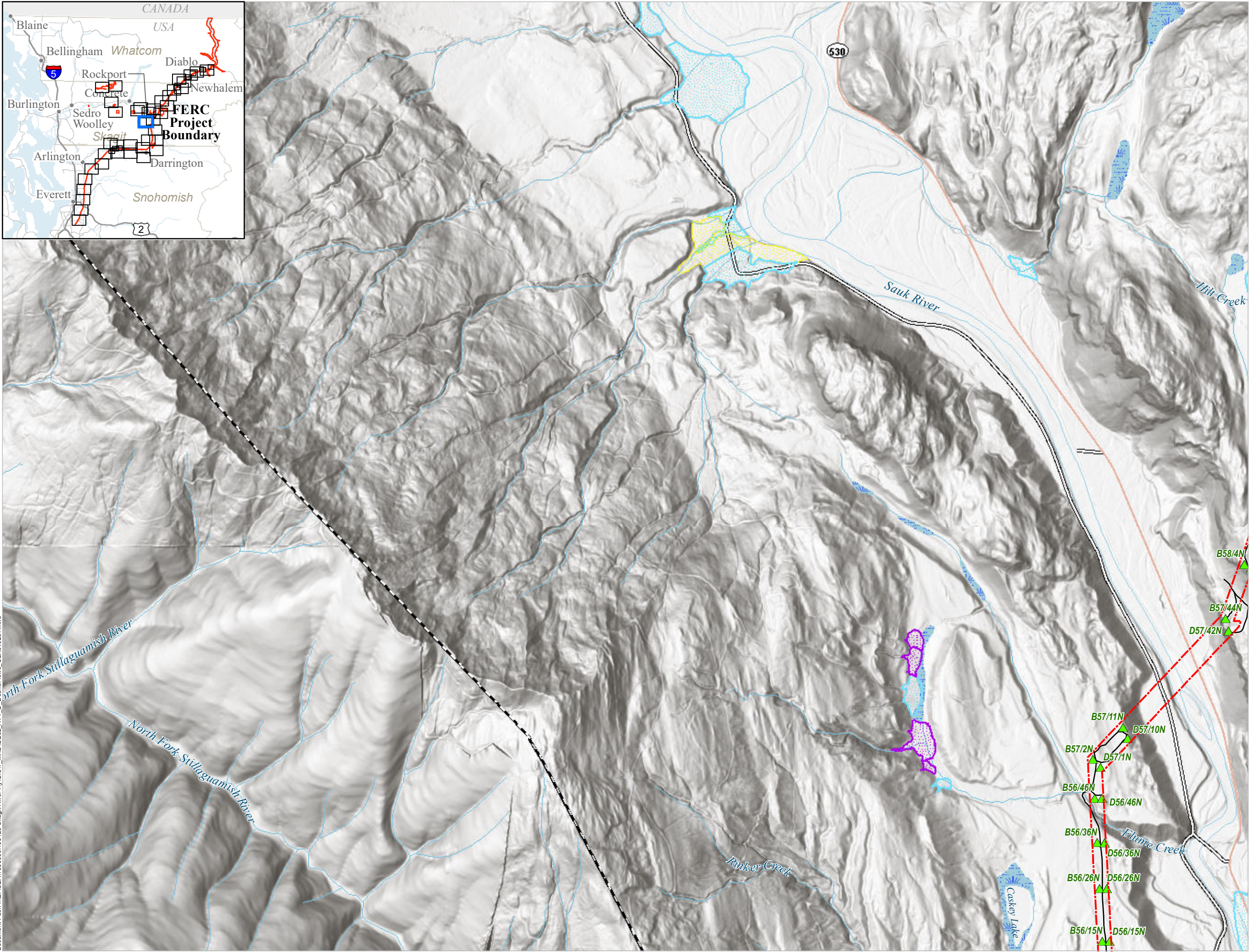
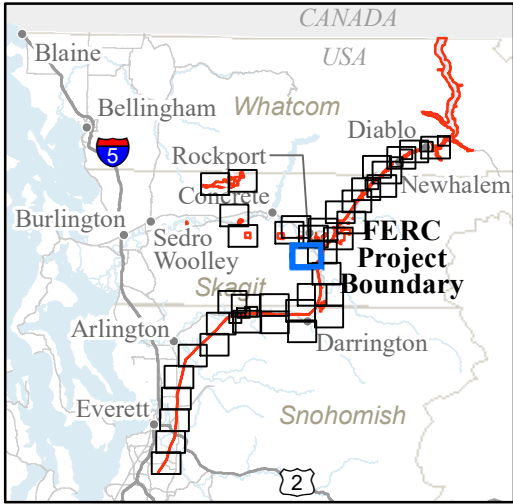
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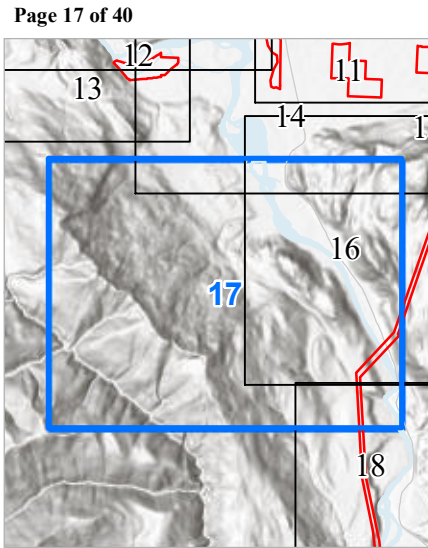
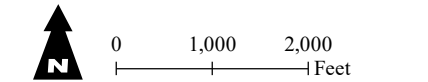
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GE-02: DEBRIS FLOW AND FAN ANALYSIS

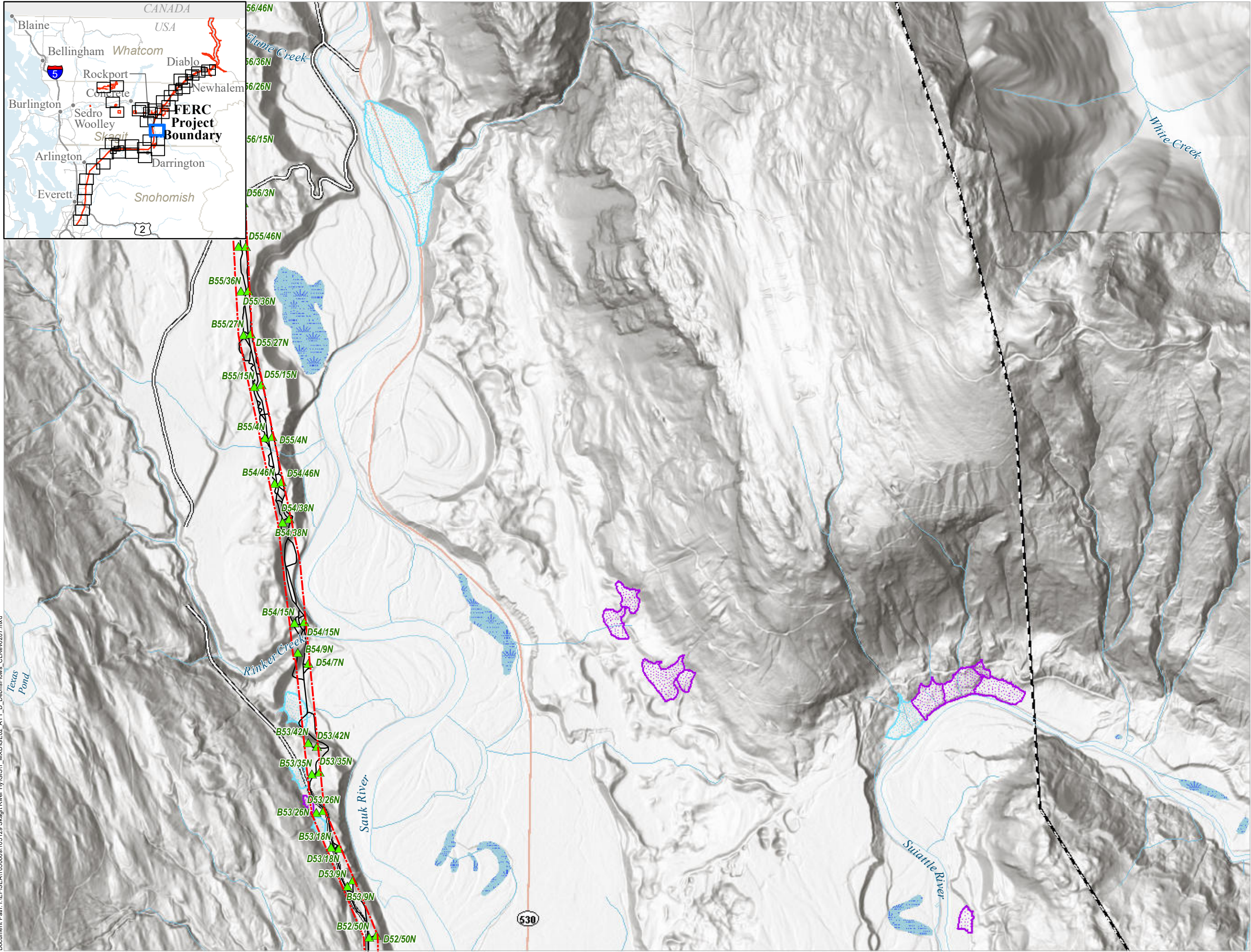
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Seattle City Light

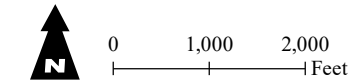
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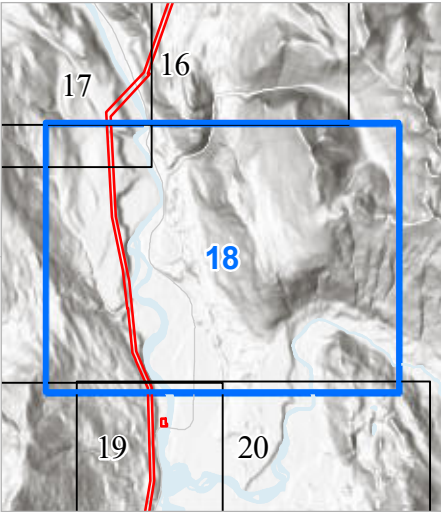


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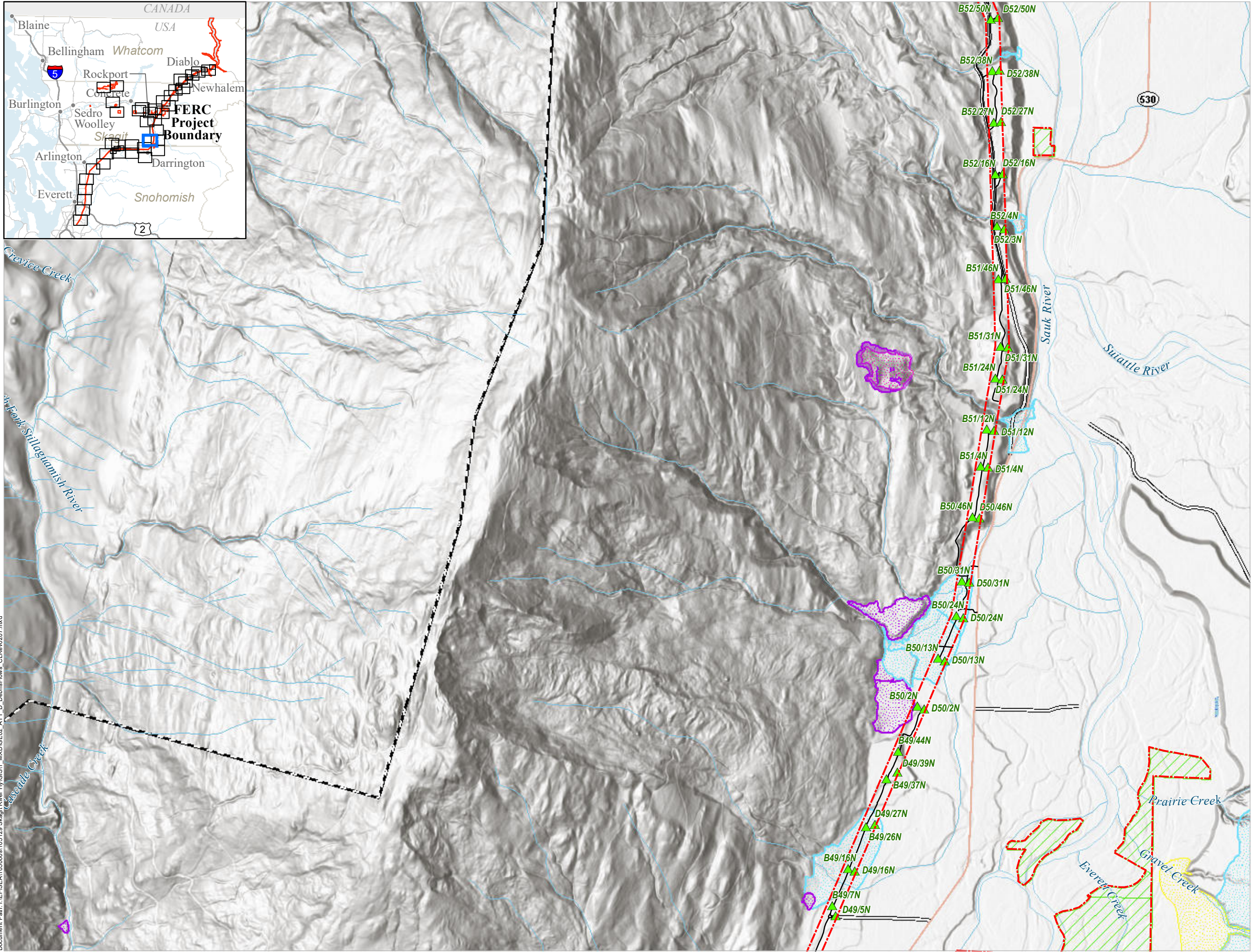
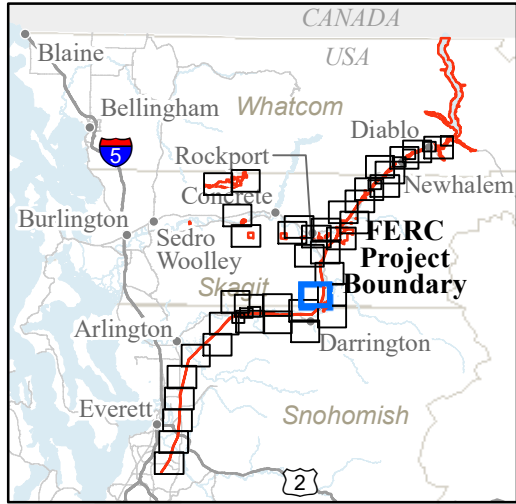
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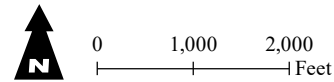
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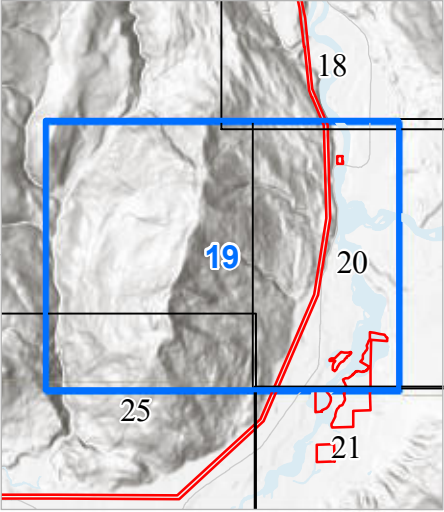


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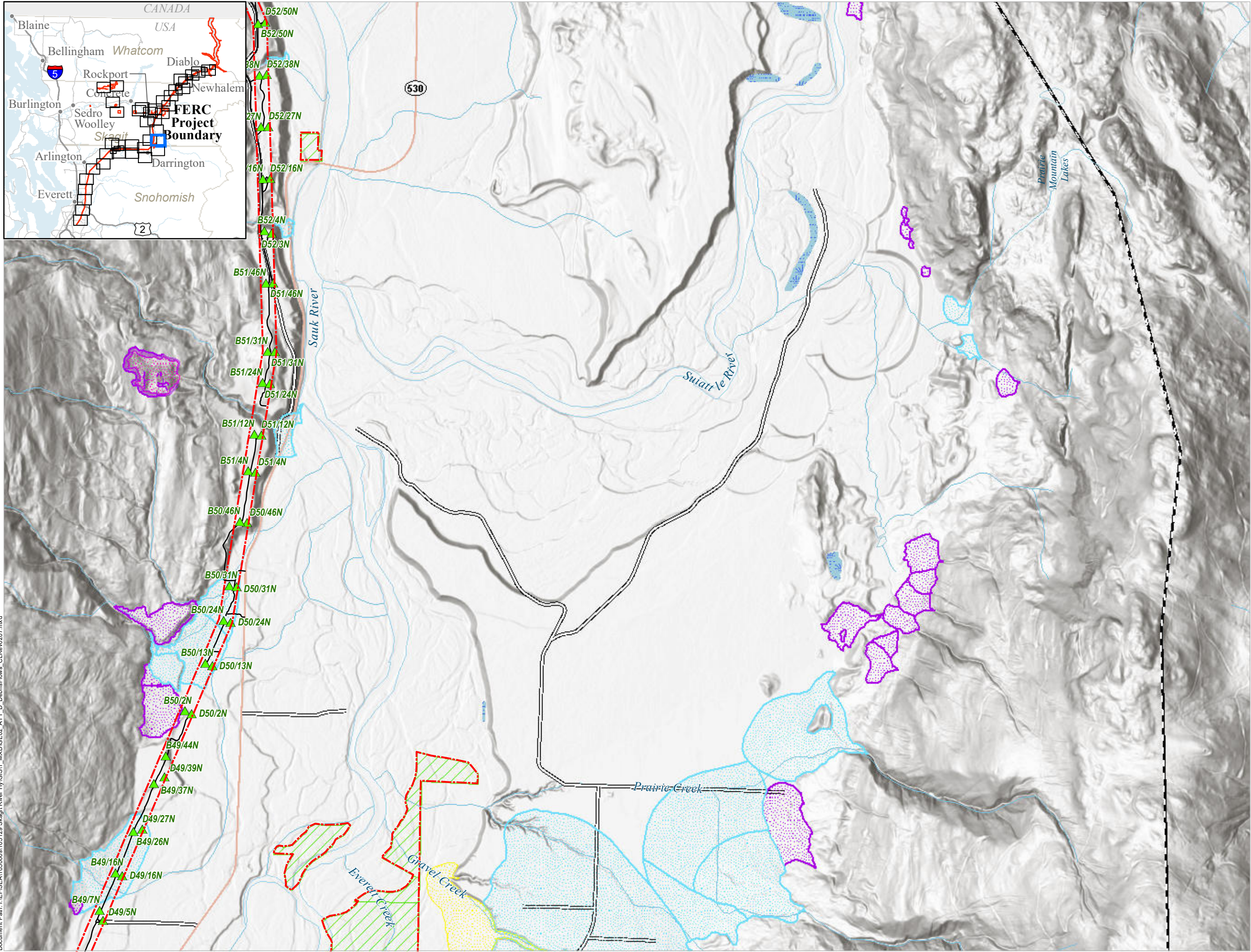
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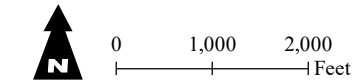
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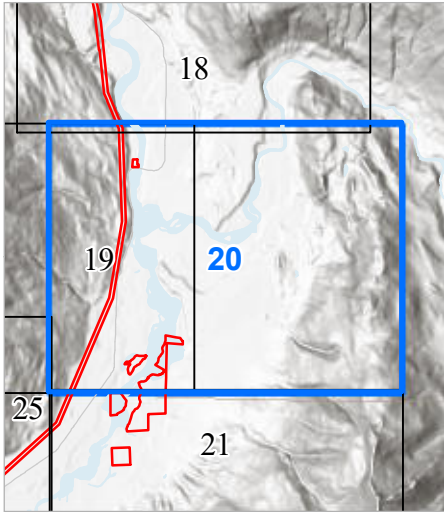


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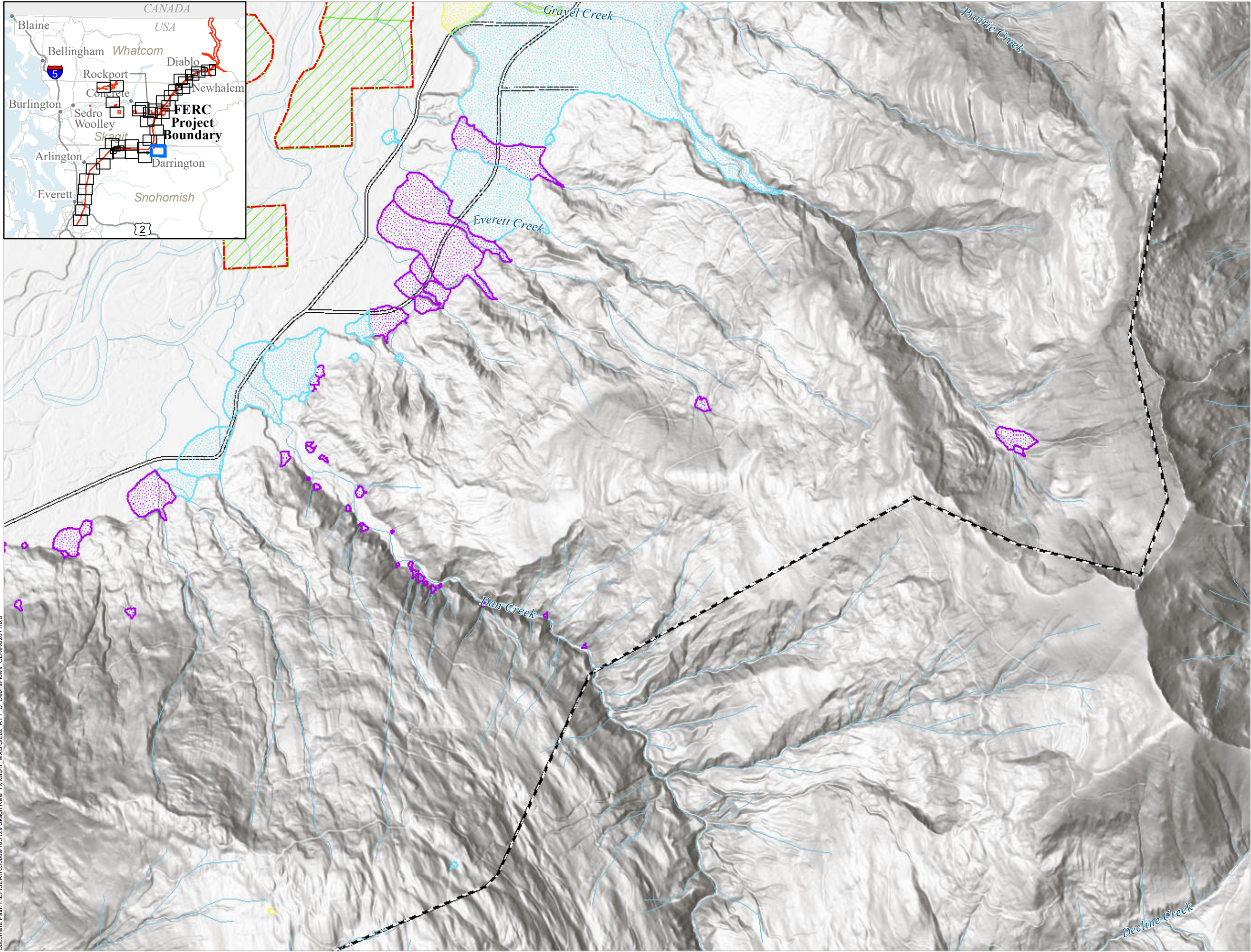
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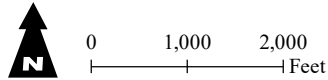
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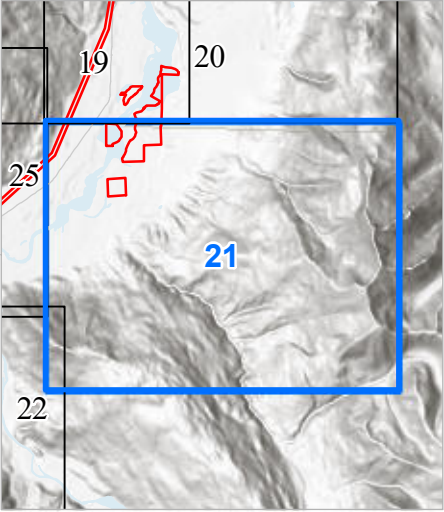


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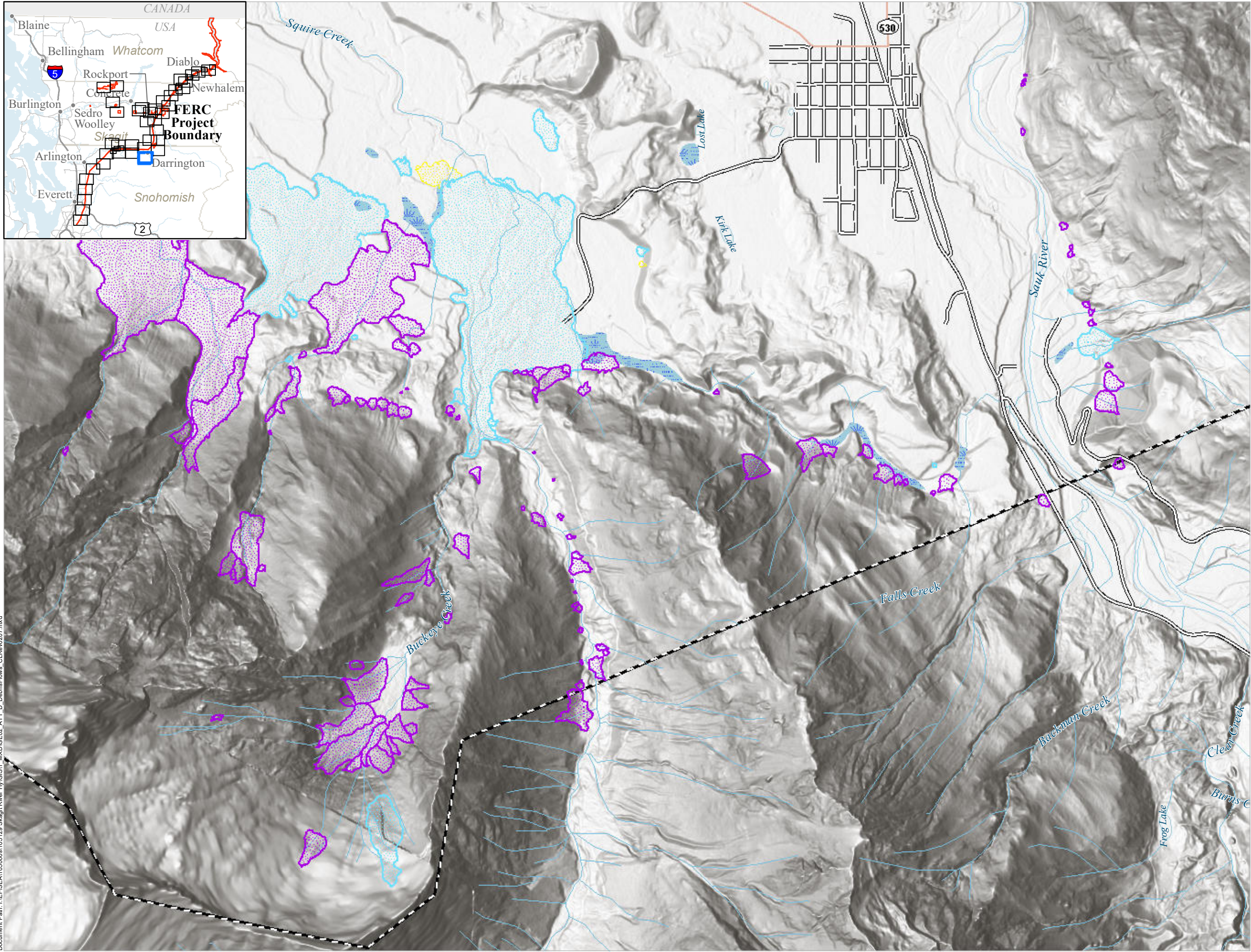
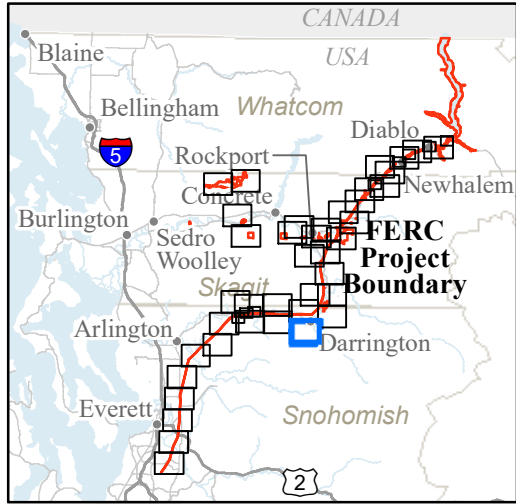
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Seattle City Light

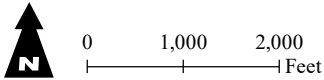
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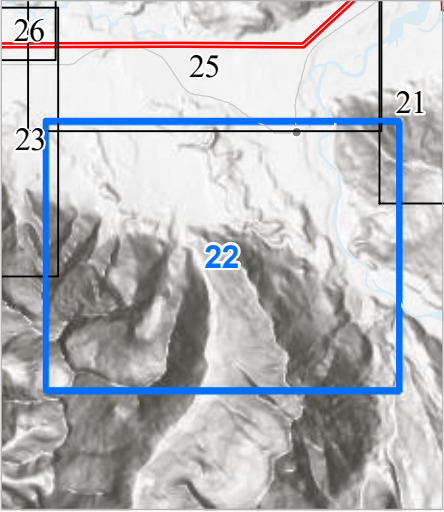


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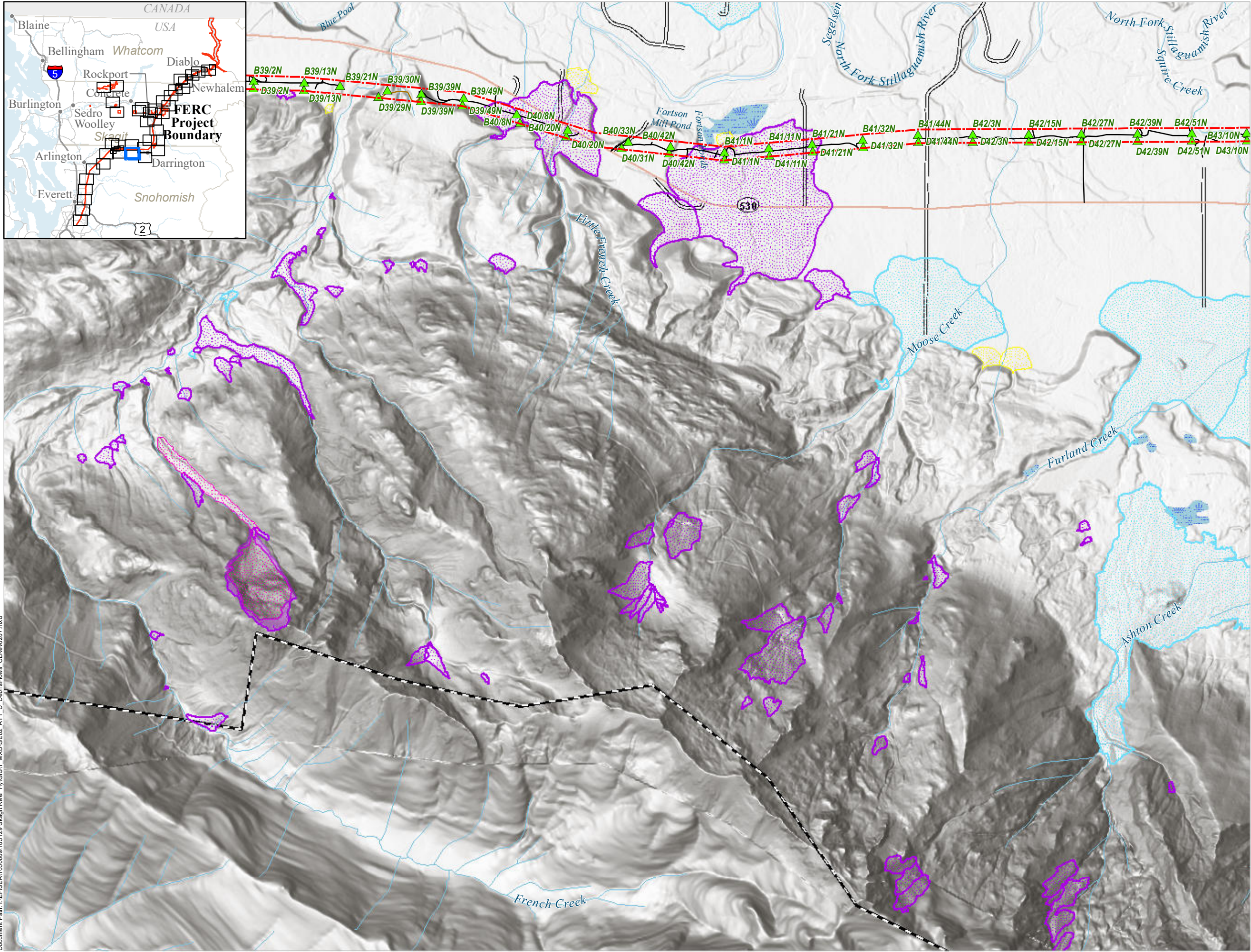
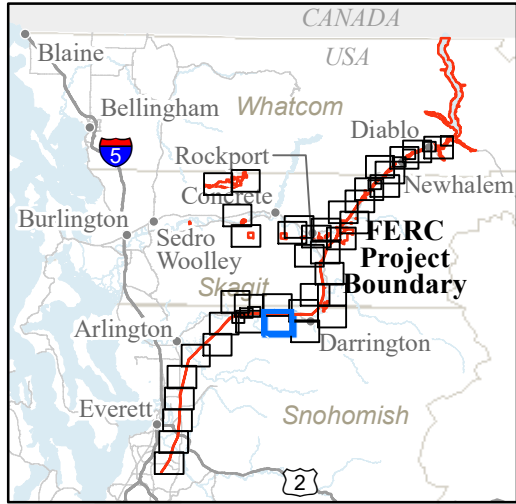
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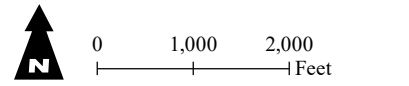
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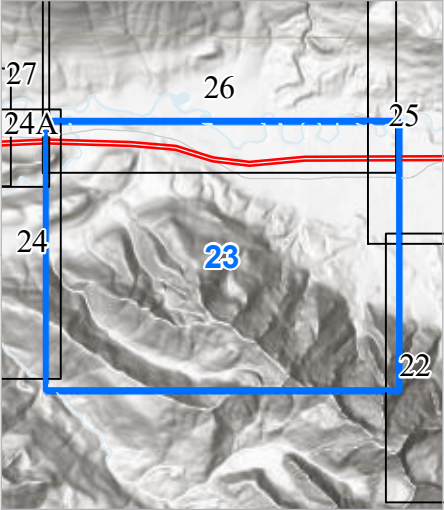


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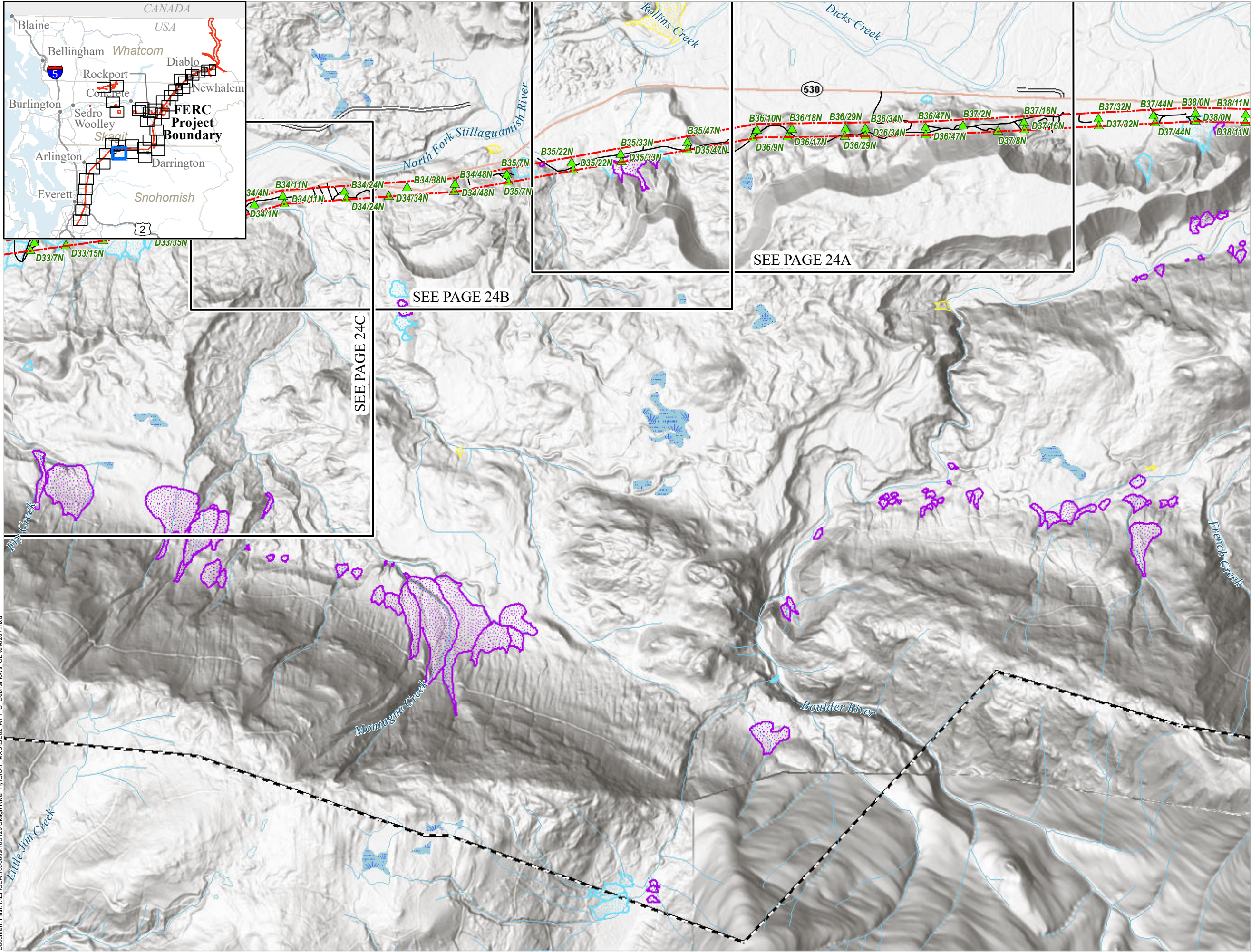
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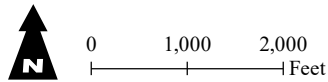
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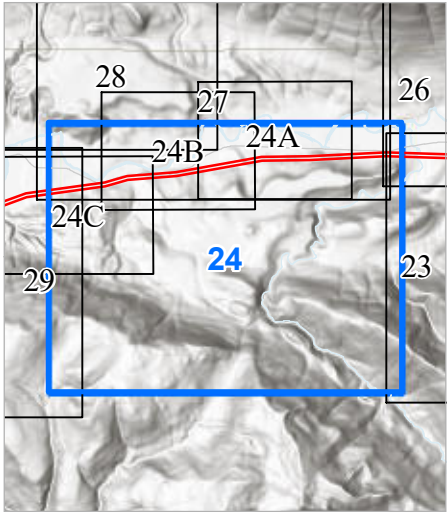


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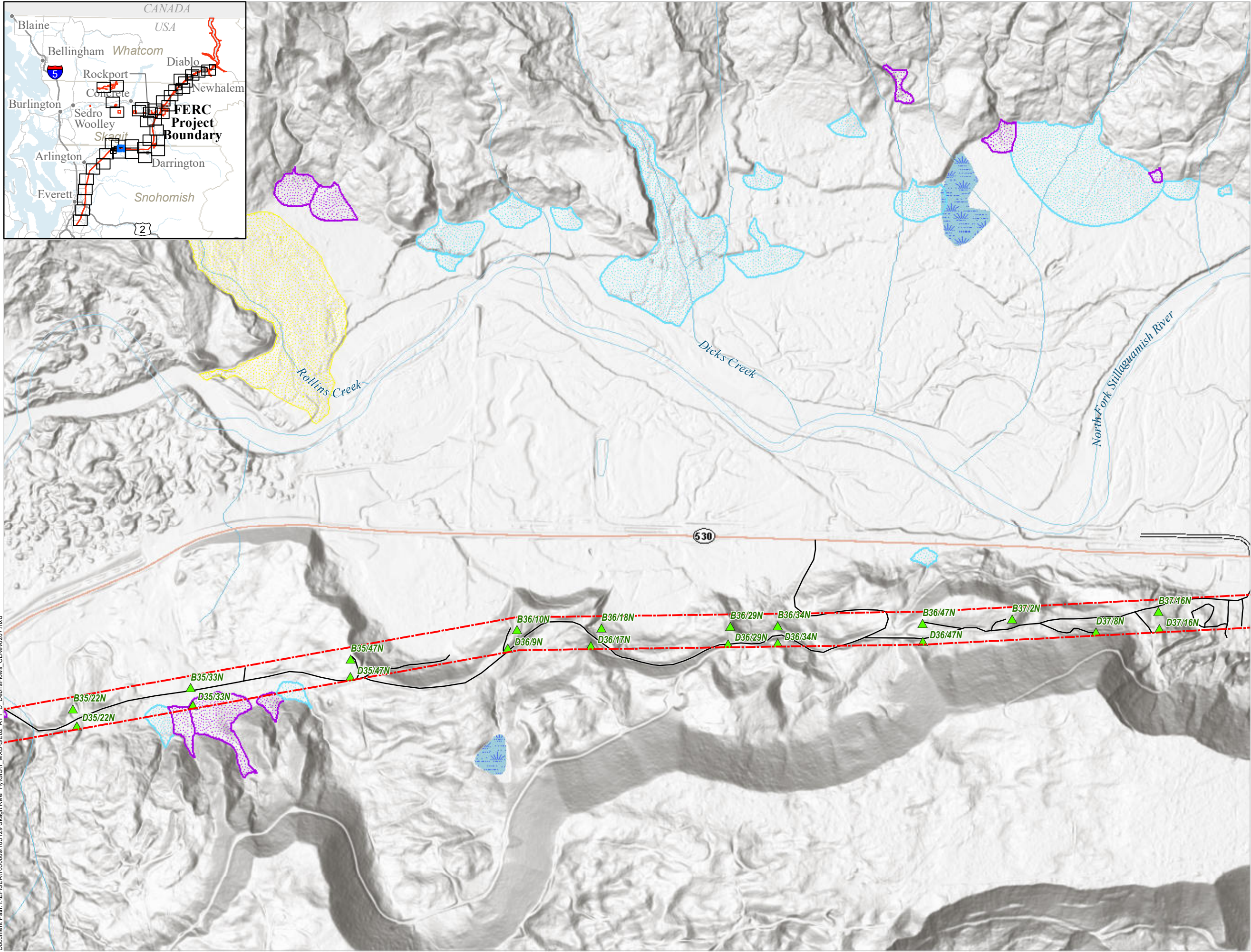
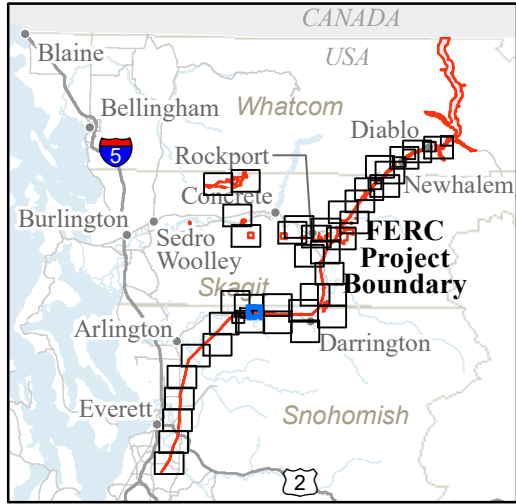
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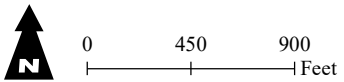
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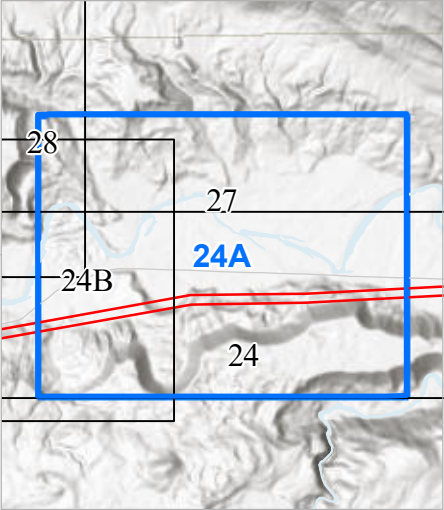


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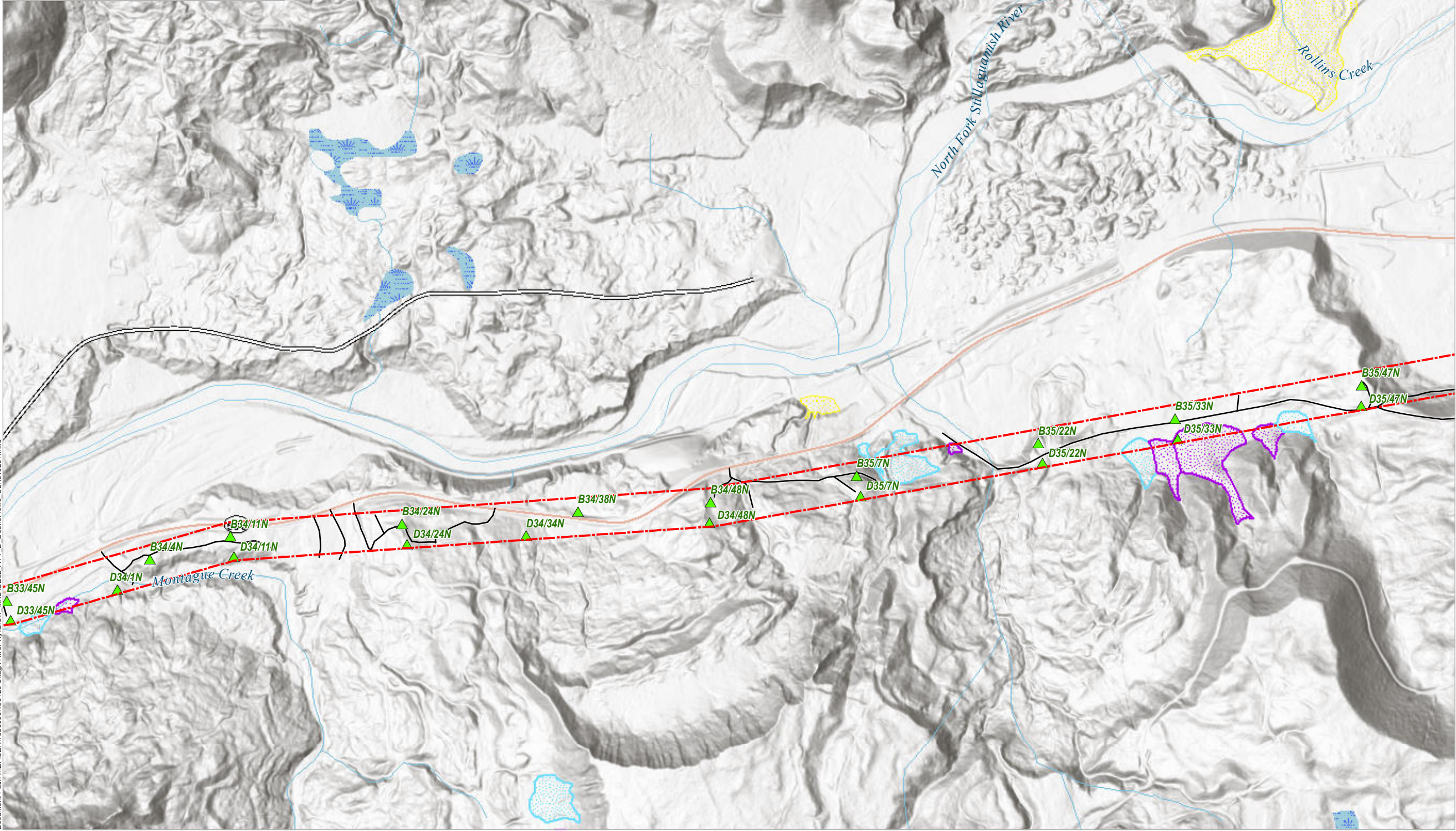
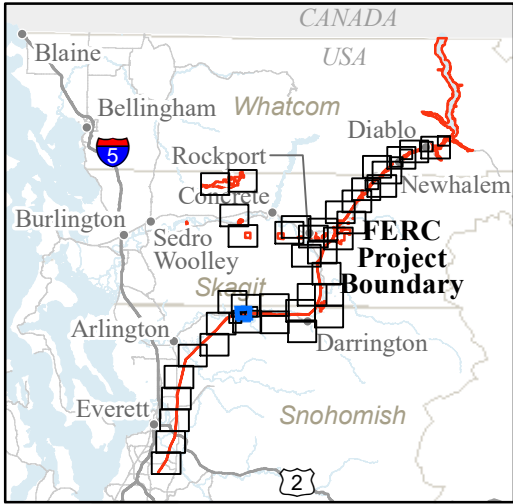
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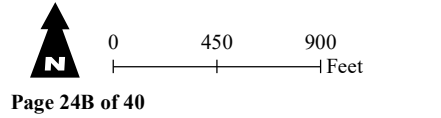
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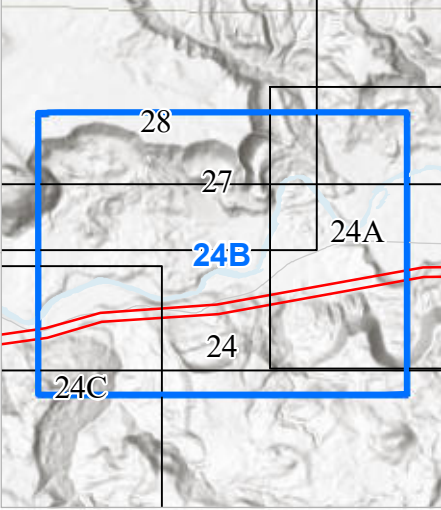


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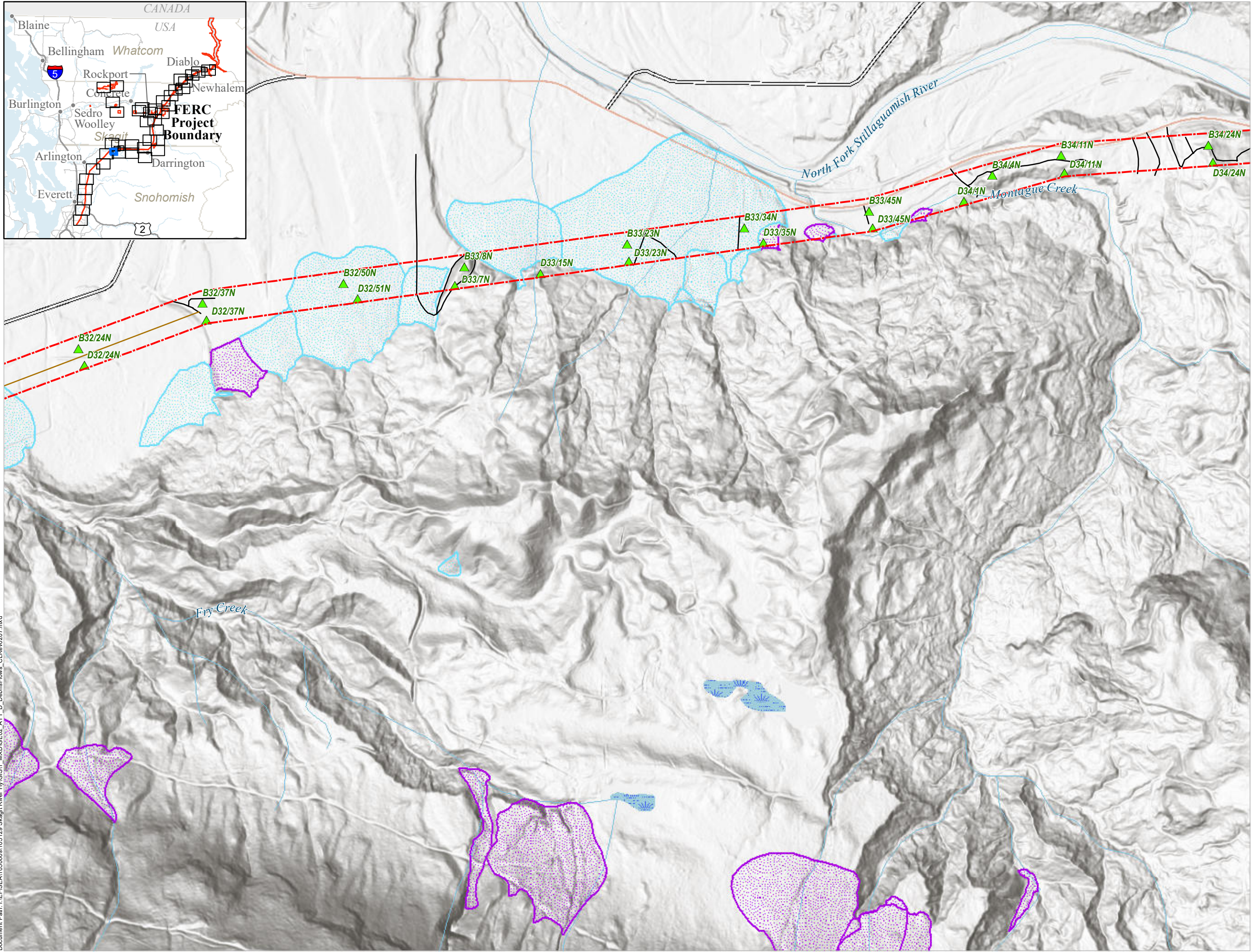
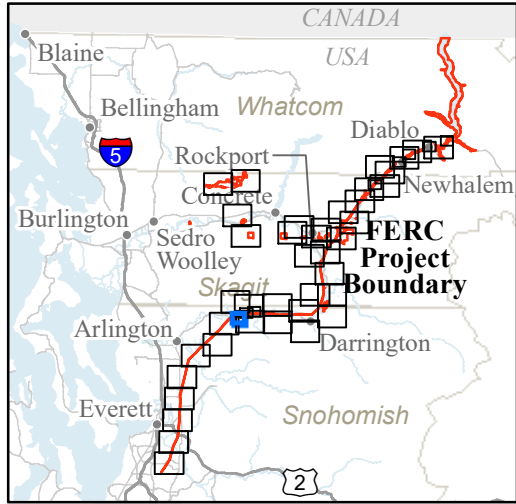
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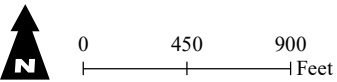
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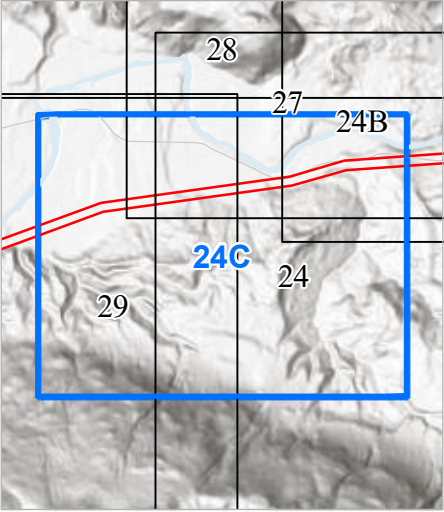


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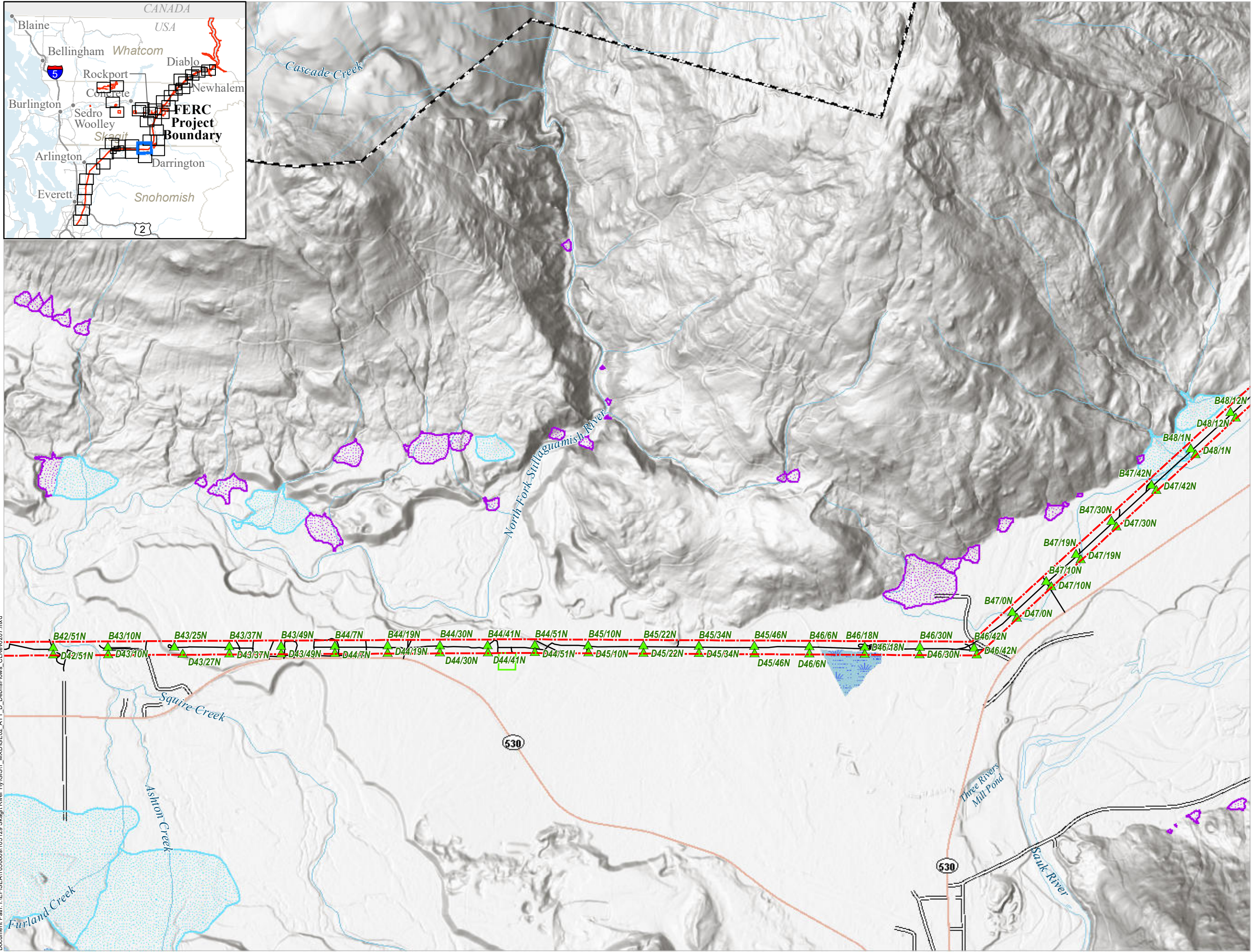
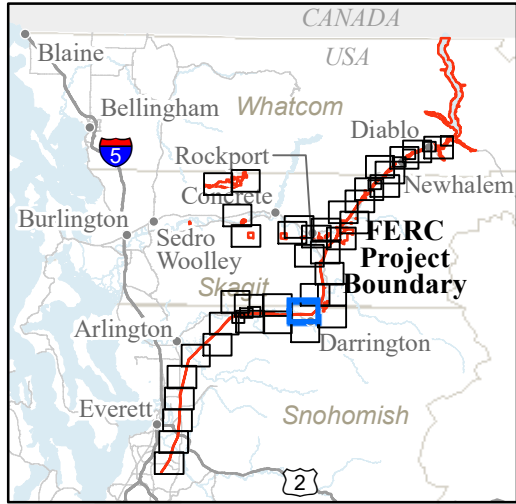
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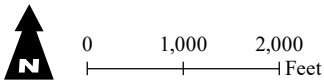
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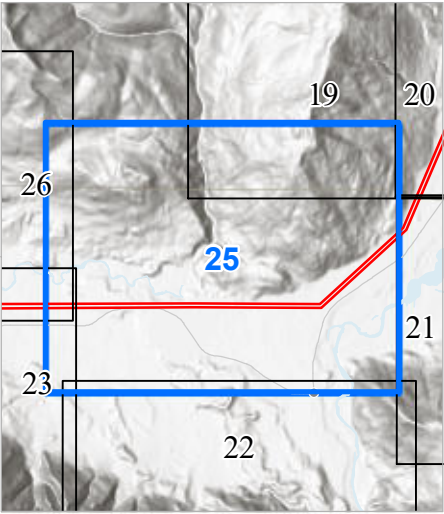


GE-02: DEBRIS FLOW AND FAN ANALYSIS

- FERC Project Boundary
- City Light Major Facilities
- City Light Transmission Line Tower Locations
- Study Routes
- Road
- Mass Wasting Study Boundary
- Fan Deposits
- Debris Flood
- Debris Flow



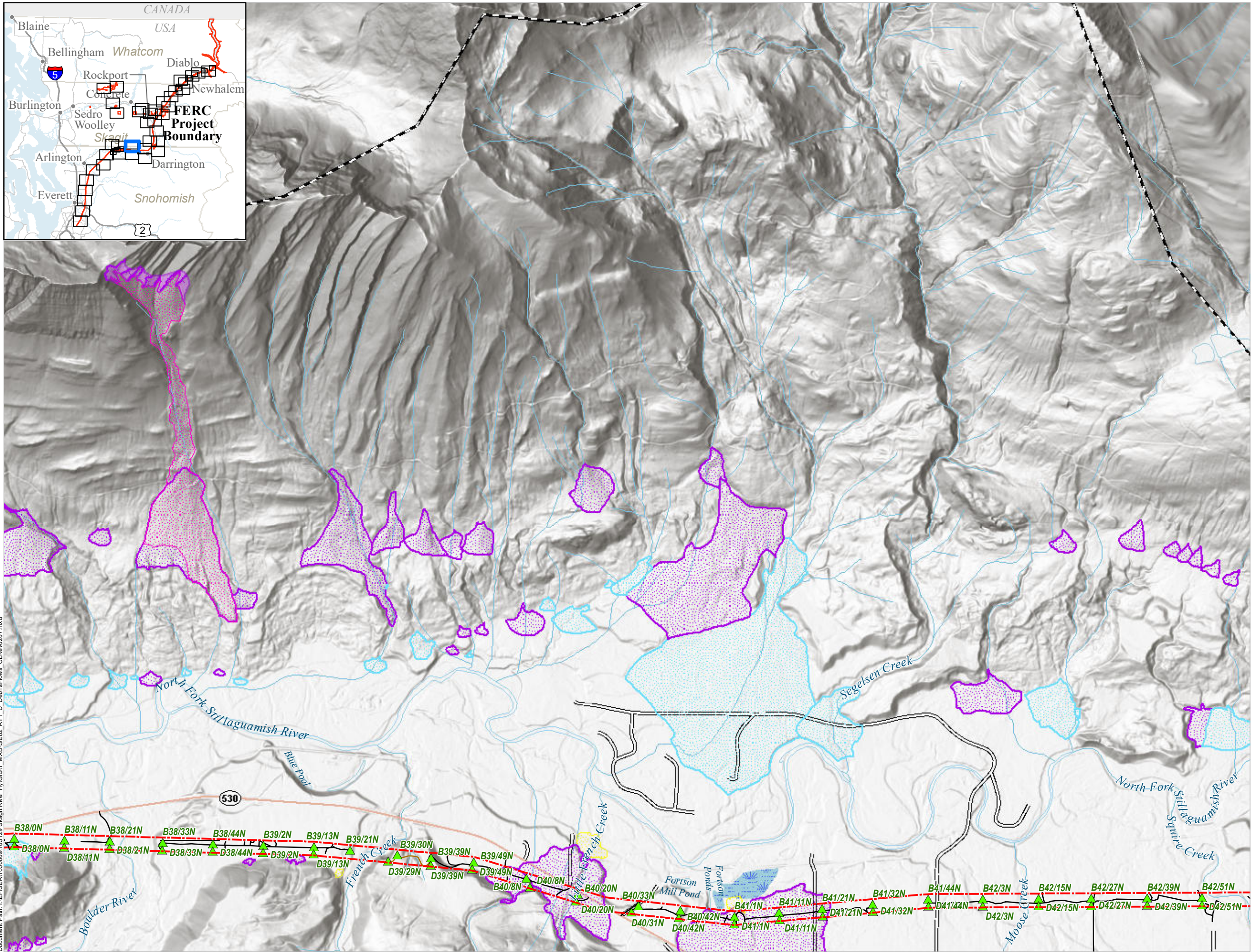
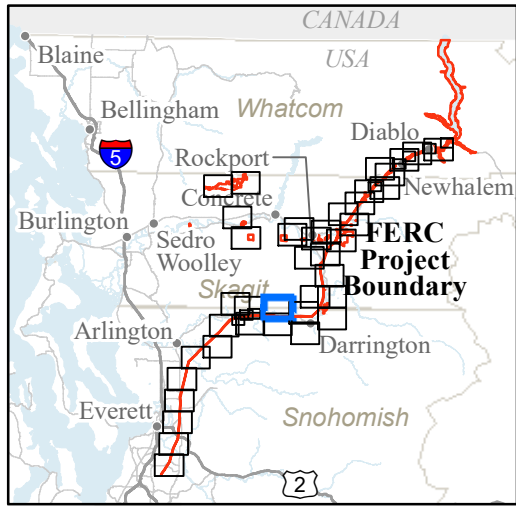
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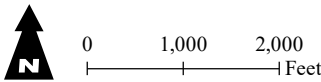
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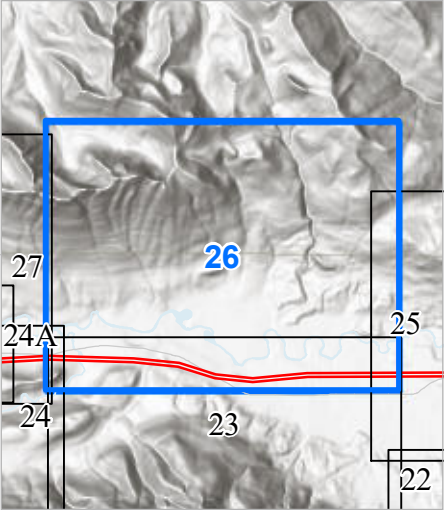


GE-02: DEBRIS FLOW AND FAN ANALYSIS

- FERC Project Boundary
- City Light Transmission Line Tower Locations
- Study Routes
 - Road
 - Trail
- Mass Wasting Study Boundary
- Debris Flow Scarps
- Debris Flow Head Scarps and Flanks
- Debris Flow Deposits
- Fan Deposits
 - Alluvial
 - Debris Flood
 - Debris Flow



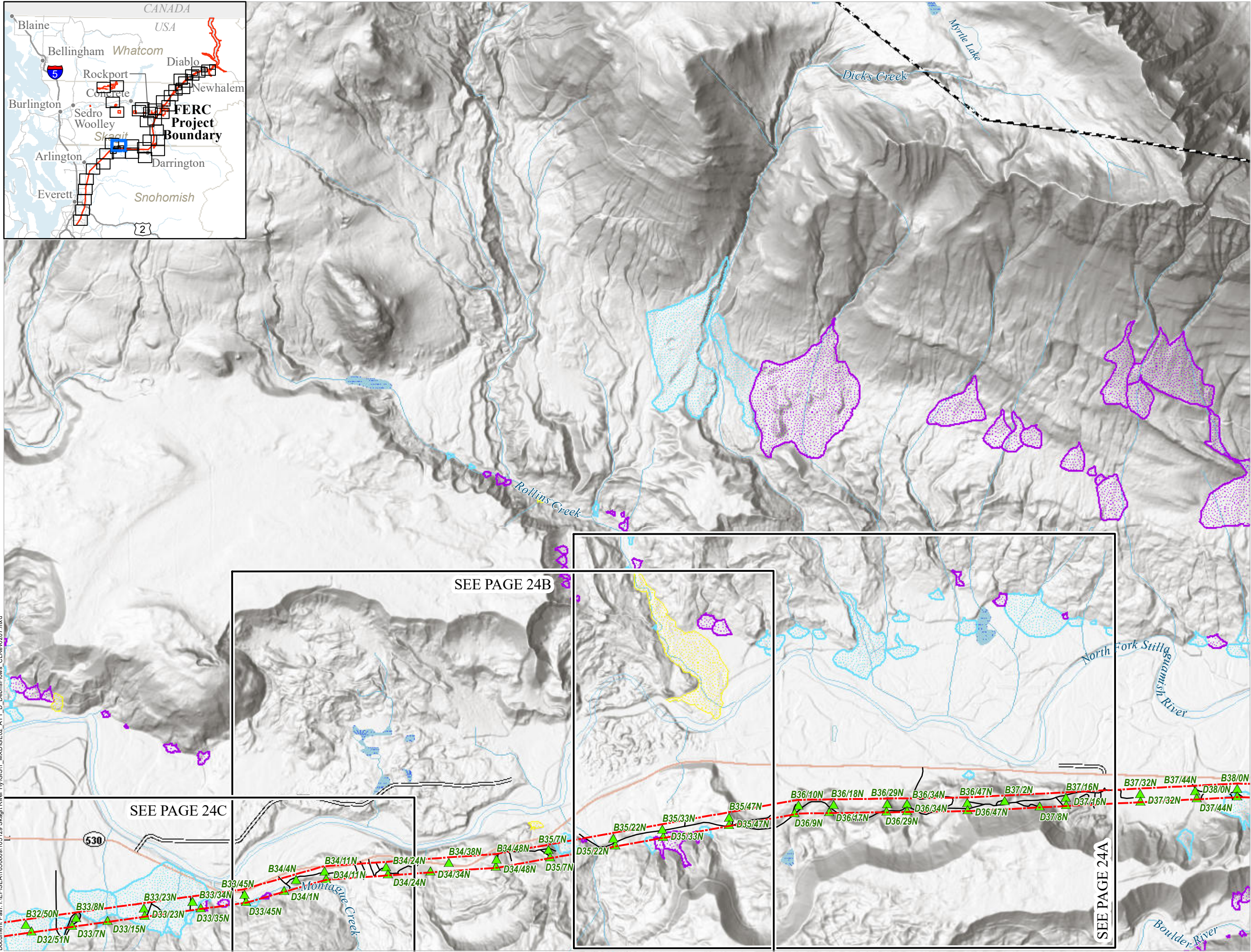
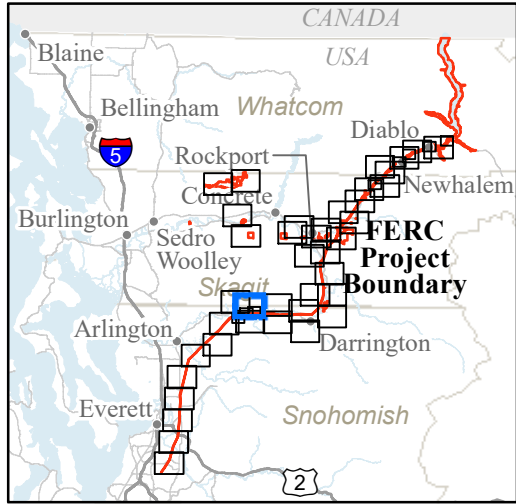
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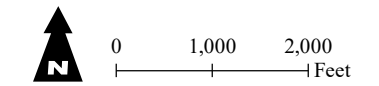
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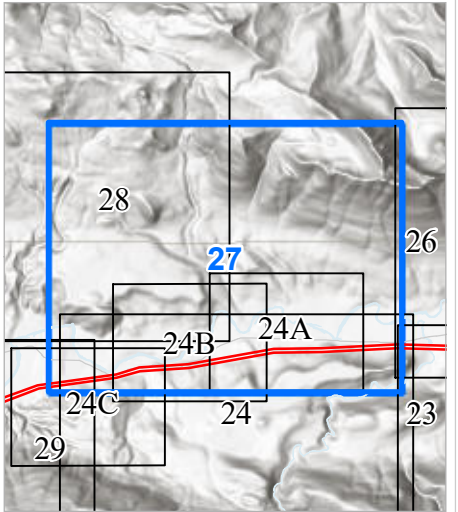


GE-02: DEBRIS FLOW AND FAN ANALYSIS

- FERC Project Boundary
- City Light Transmission Line Tower Locations
- Study Routes
 - Road
 - Mass Wasting Study Boundary
- Fan Deposits
 - Alluvial
 - Debris Flood
 - Debris Flow



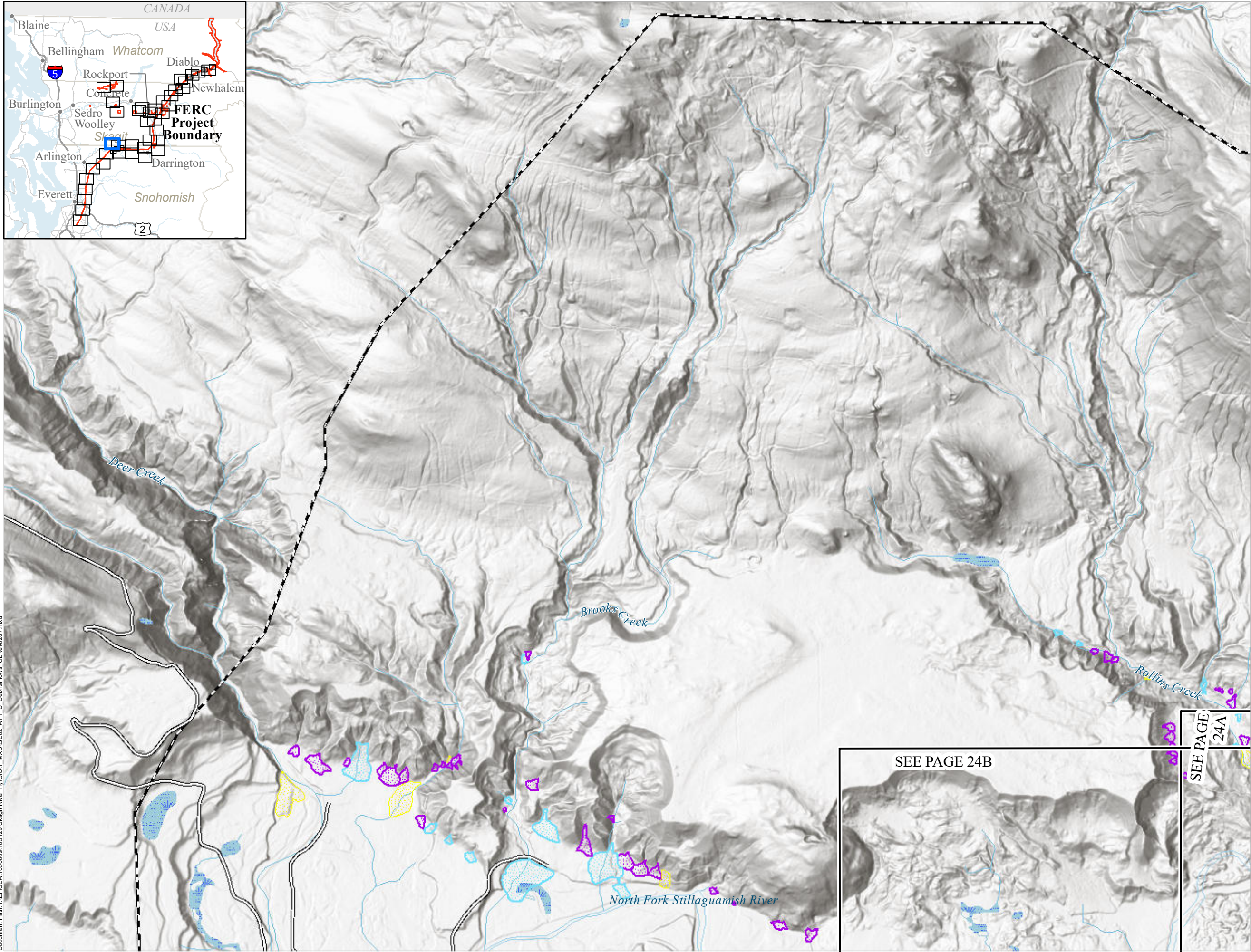
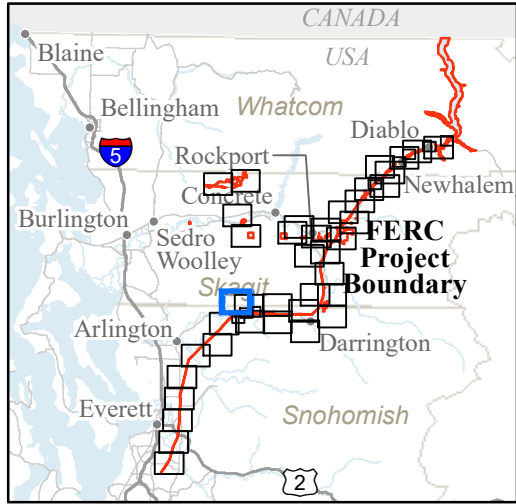
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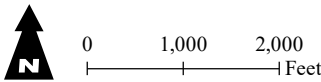
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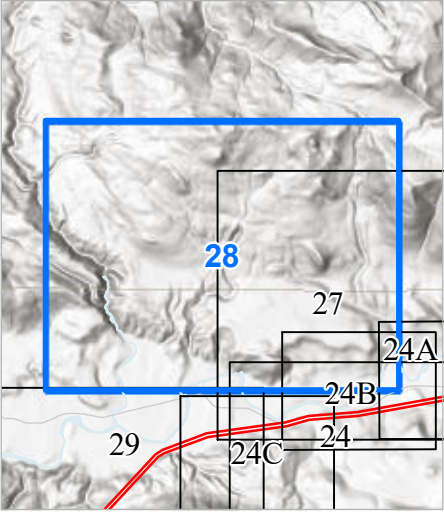


GE-02: DEBRIS FLOW AND FAN ANALYSIS

- Mass Wasting Study Boundary
- Fan Deposits
- Alluvial
 - Debris Flood
 - Debris Flow



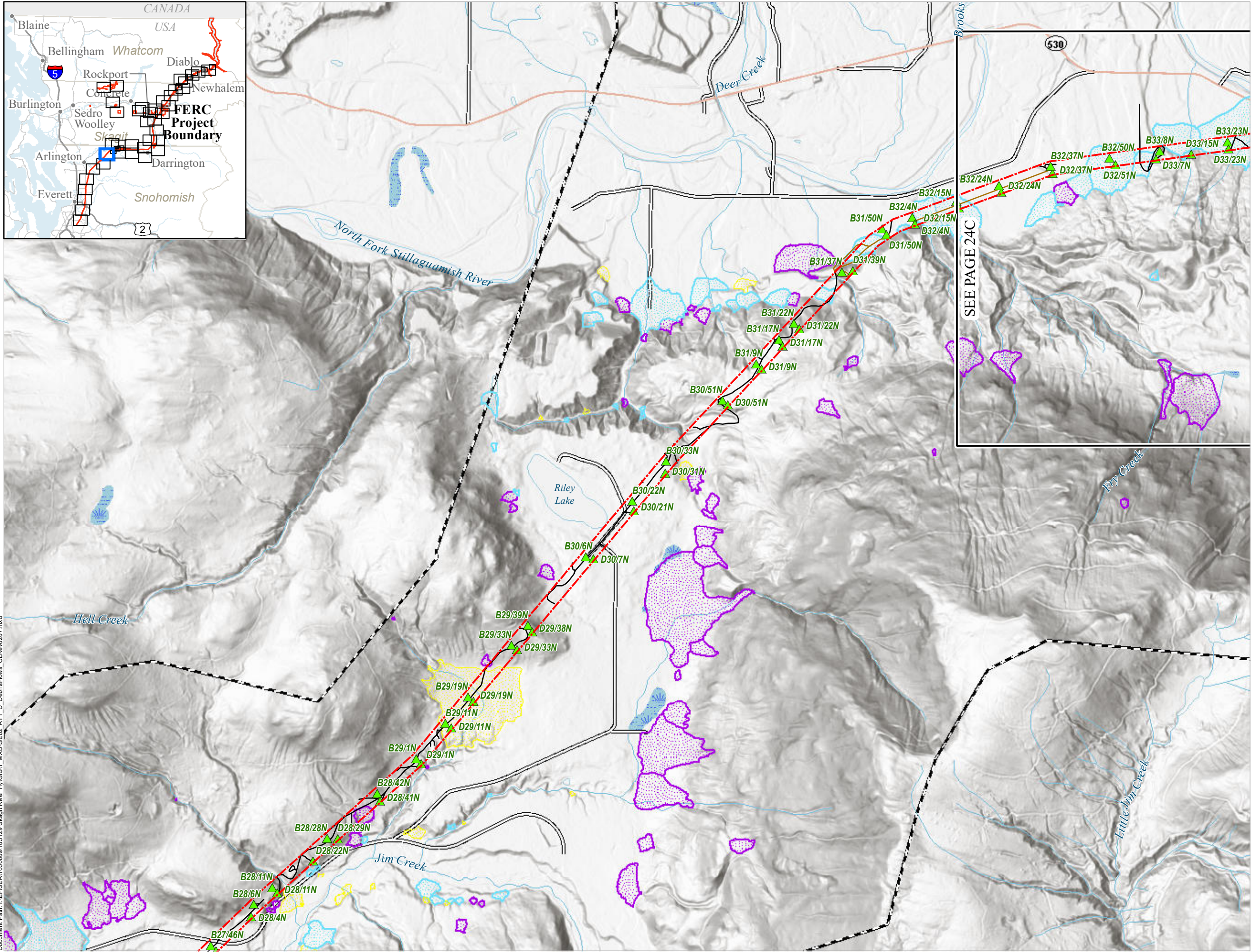
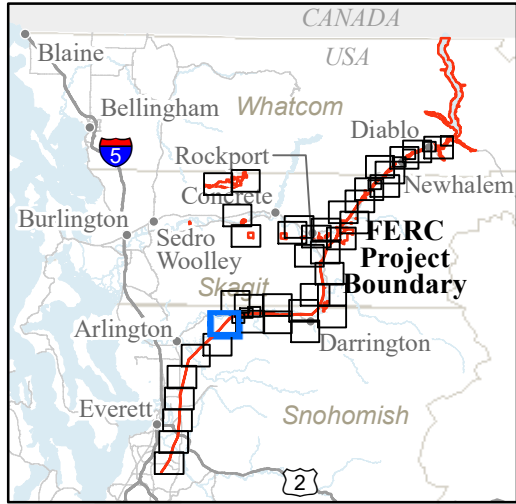
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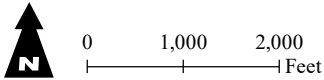
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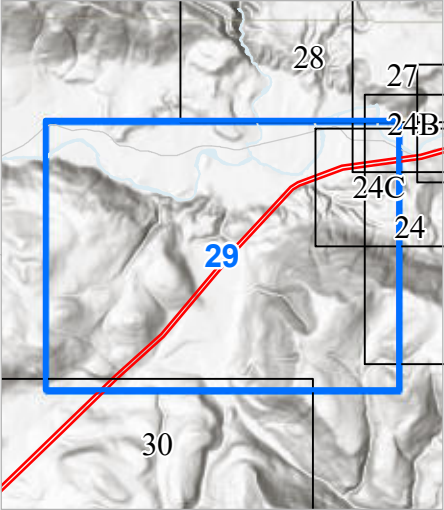


GE-02: DEBRIS FLOW AND FAN ANALYSIS

- FERC Project Boundary
- City Light Transmission Line Tower Locations
- Study Routes
 - Road
 - Trail
- Mass Wasting Study Boundary
- Fan Deposits
 - Alluvial
 - Debris Flood
 - Debris Flow



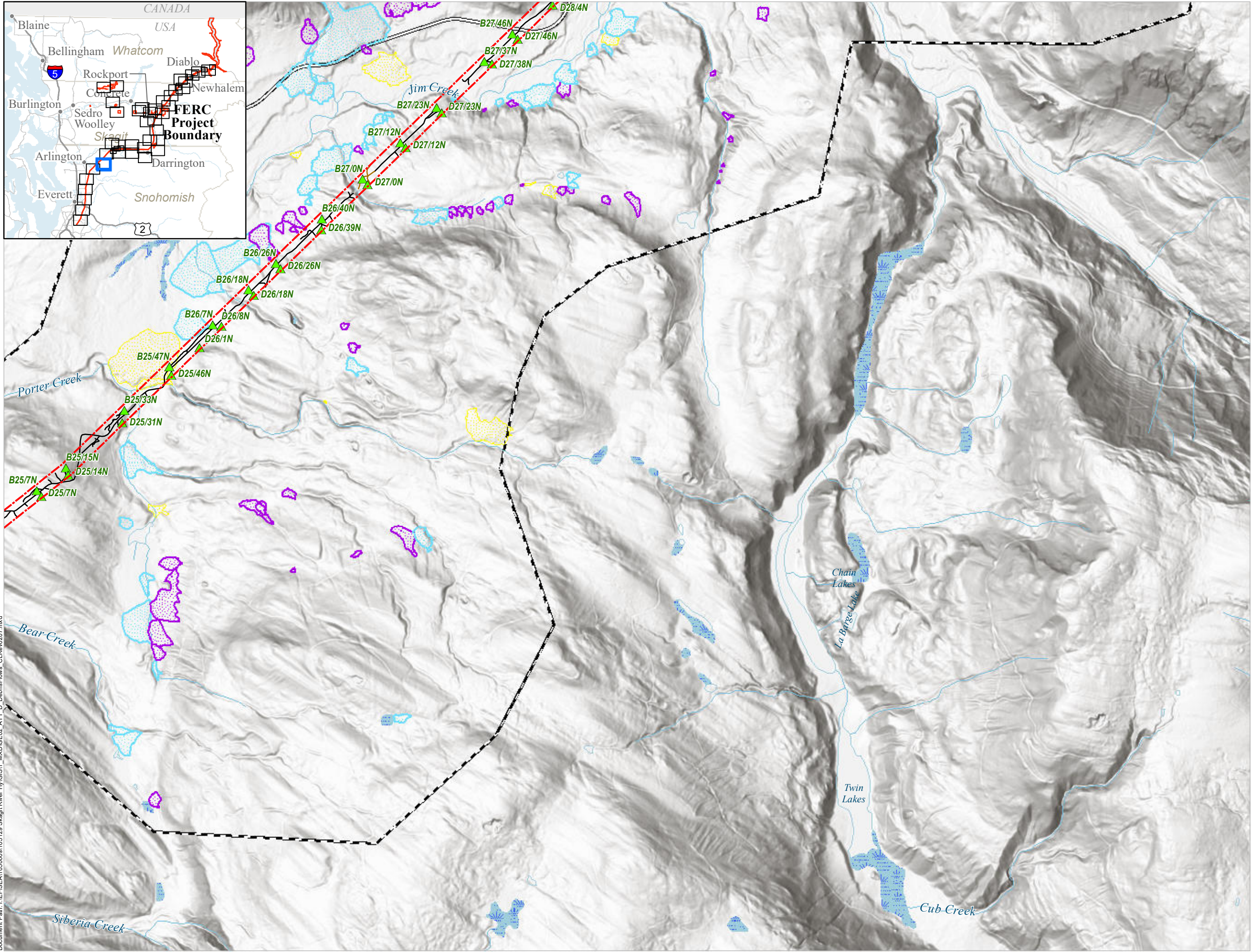
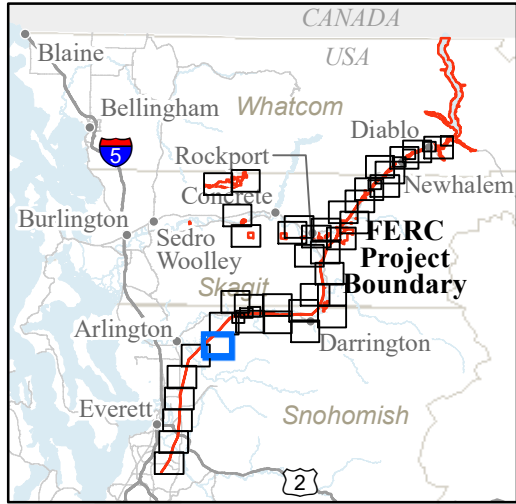
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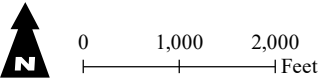
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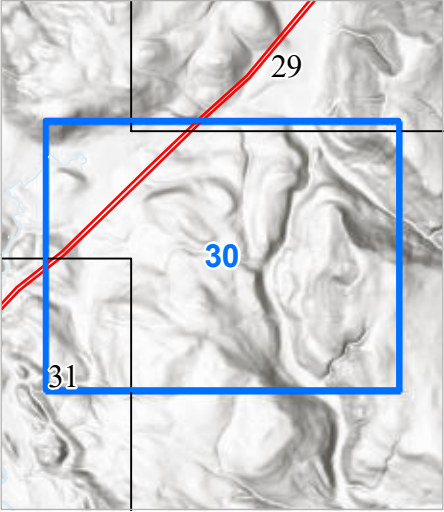


GE-02: DEBRIS FLOW AND FAN ANALYSIS

- FERC Project Boundary
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 - Trail
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 - Alluvial
 - Debris Flood
 - Debris Flow



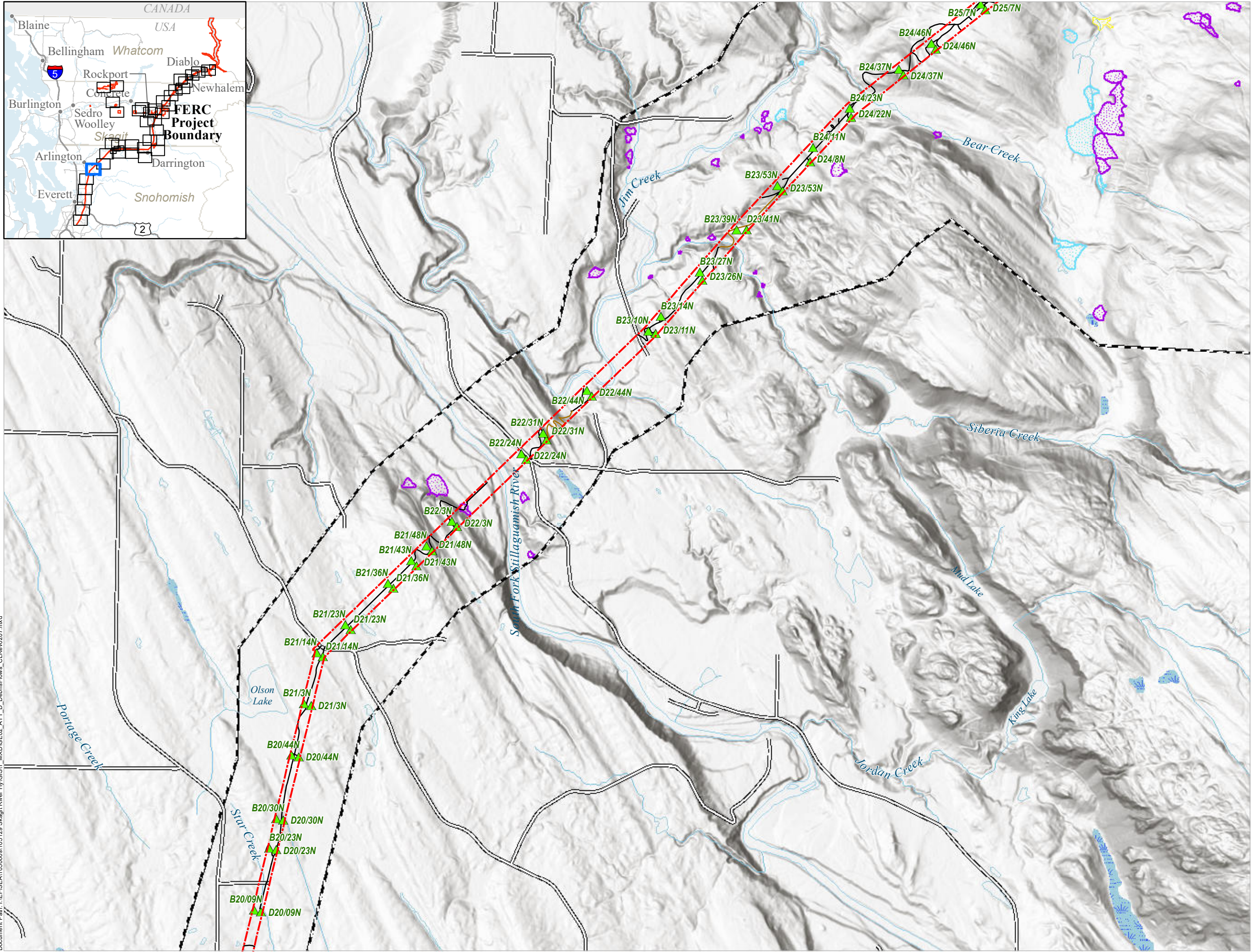
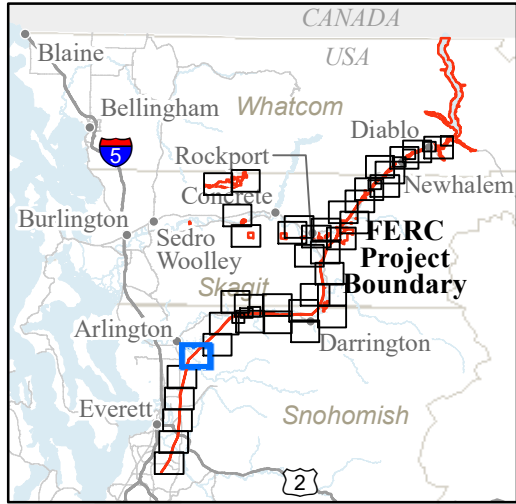
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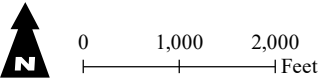
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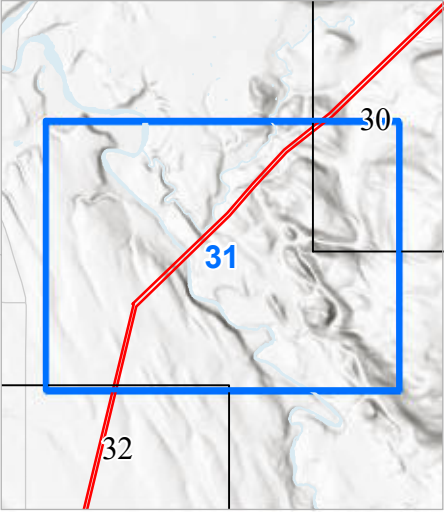


GE-02: DEBRIS FLOW AND FAN ANALYSIS

- FERC Project Boundary
- City Light Transmission Line Tower Locations
- Study Routes
 - Road
 - Trail
- Mass Wasting Study Boundary
- Fan Deposits
 - Alluvial
 - Debris Flood
 - Debris Flow



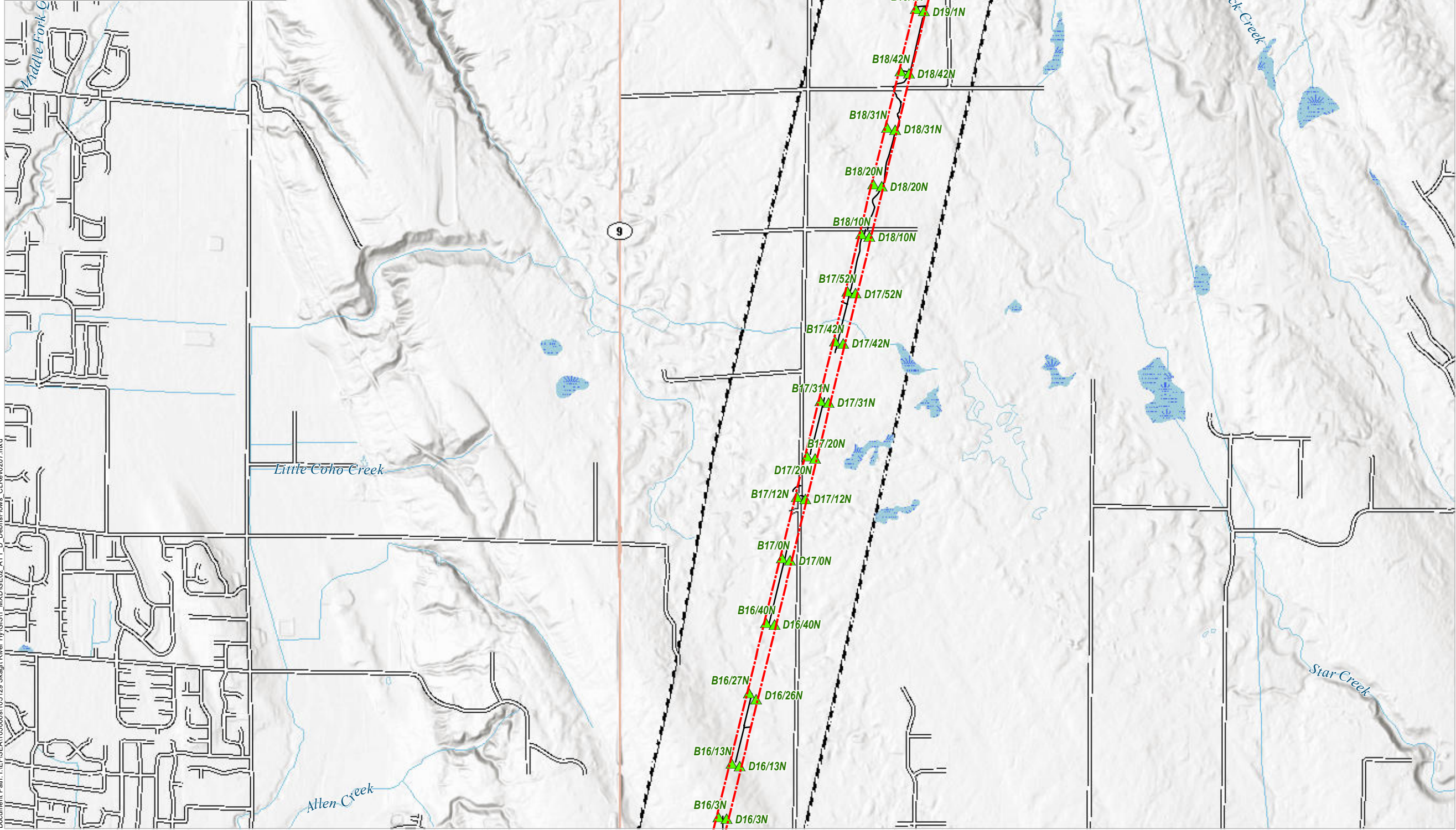
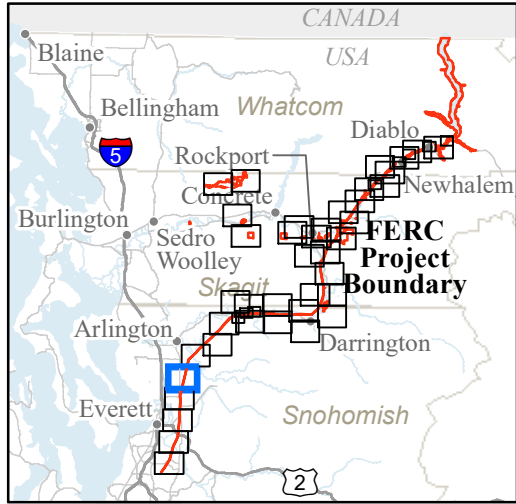
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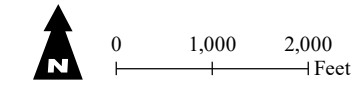
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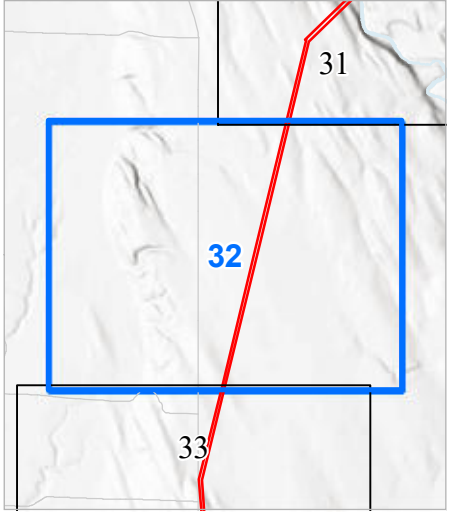


GE-02: DEBRIS FLOW AND FAN ANALYSIS

- FERC Project Boundary
- City Light Transmission Line Tower Locations
- Study Routes
 - Road
 - Mass Wasting Study Boundary



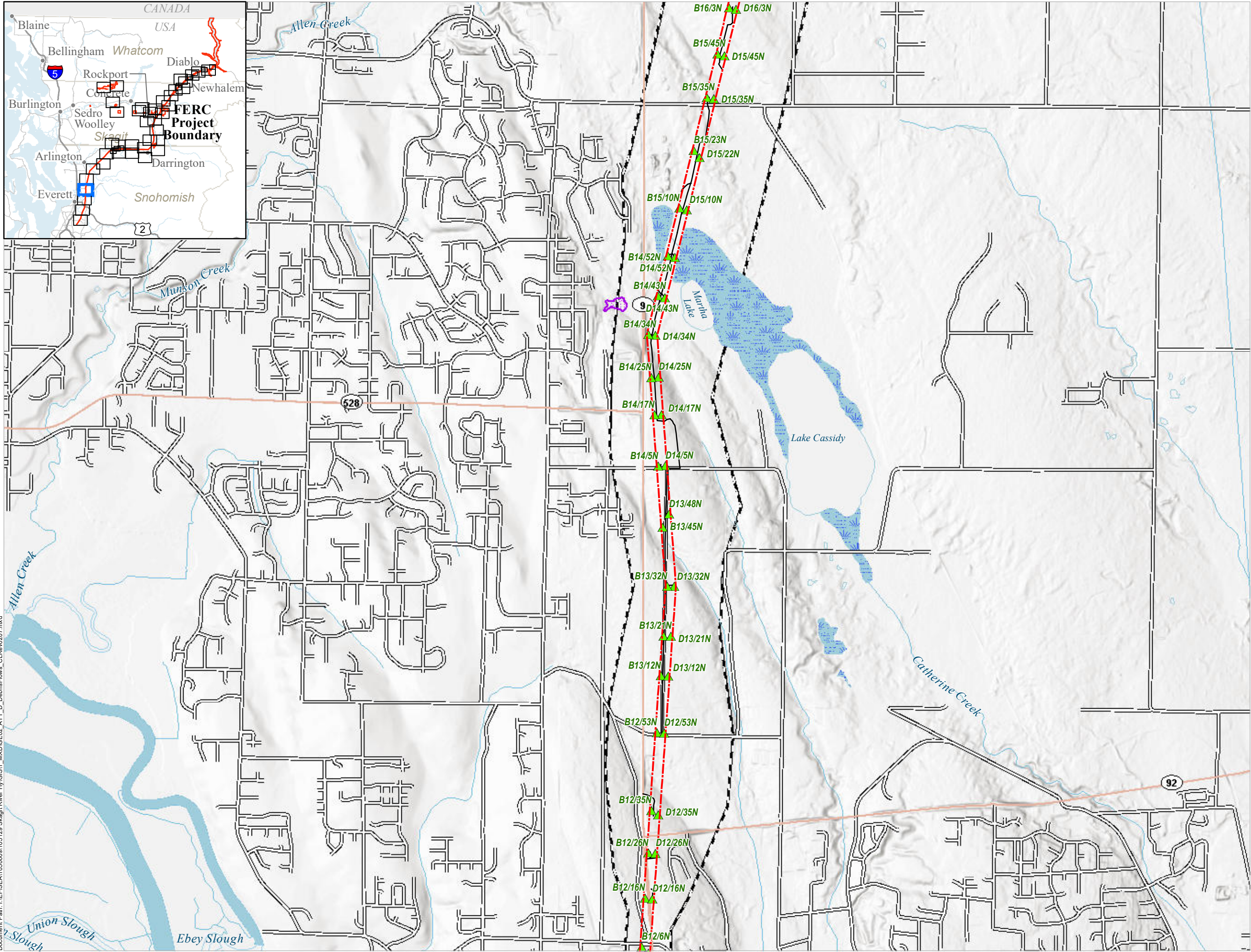
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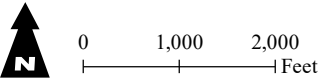
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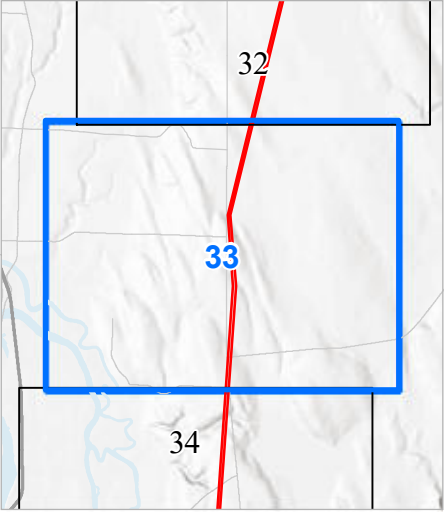


GE-02: DEBRIS FLOW AND FAN ANALYSIS

- FERC Project Boundary
- City Light Transmission Line Tower Locations
- Study Routes
 - Road
 - Mass Wasting Study Boundary
- Fan Deposits
 - Debris Flow



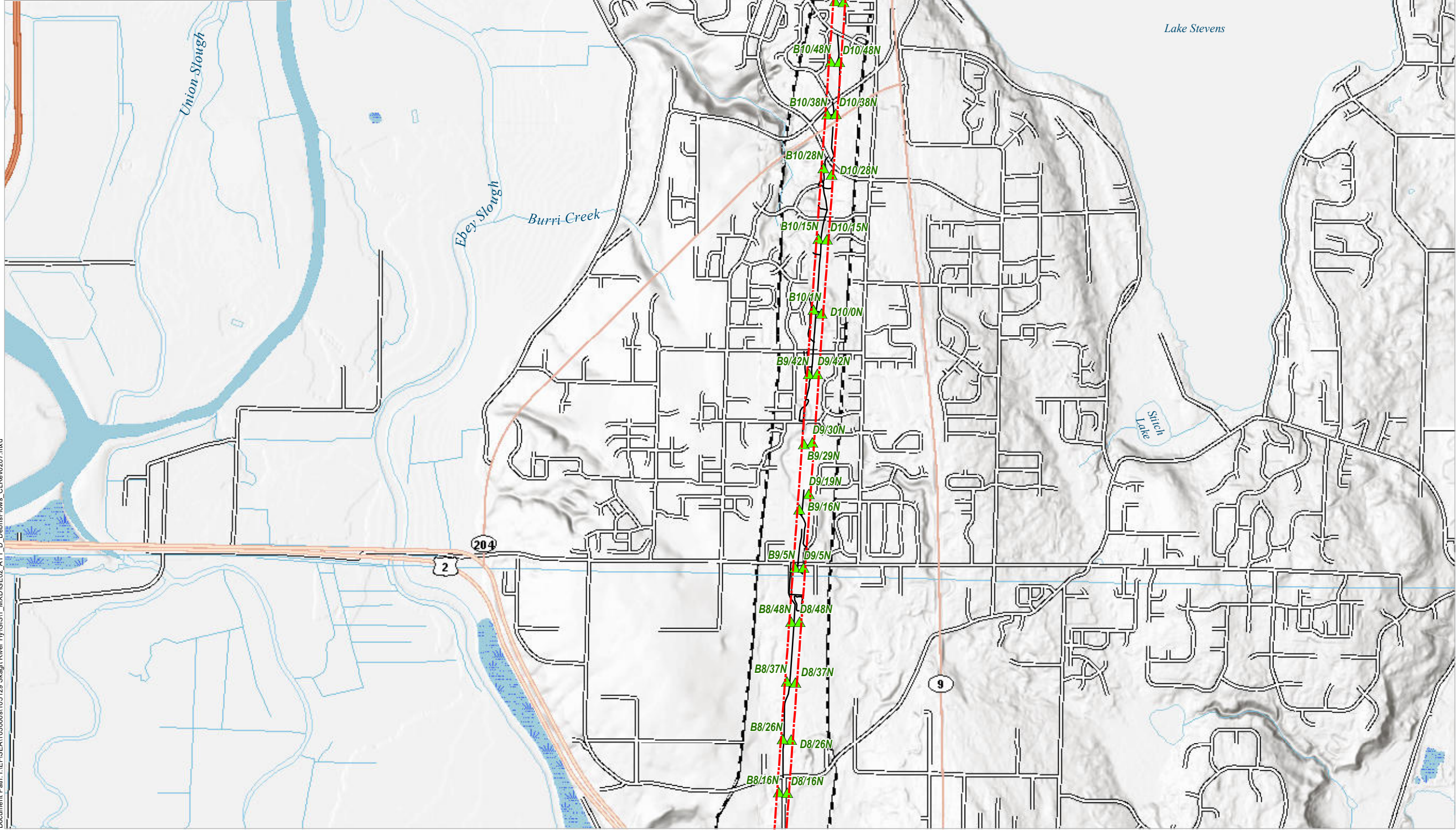
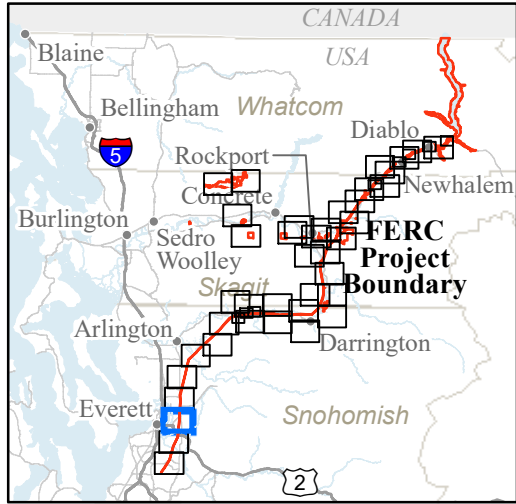
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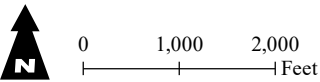
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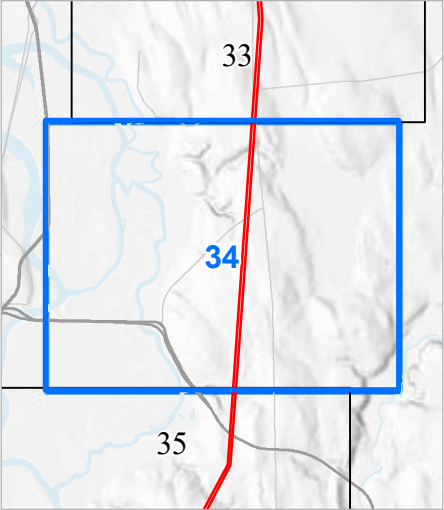


GE-02: DEBRIS FLOW AND FAN ANALYSIS

- FERC Project Boundary
- City Light Transmission Line Tower Locations
- Study Routes
 - Road
 - Trail
- Mass Wasting Study Boundary
- Fan Deposits
 - Debris Flow



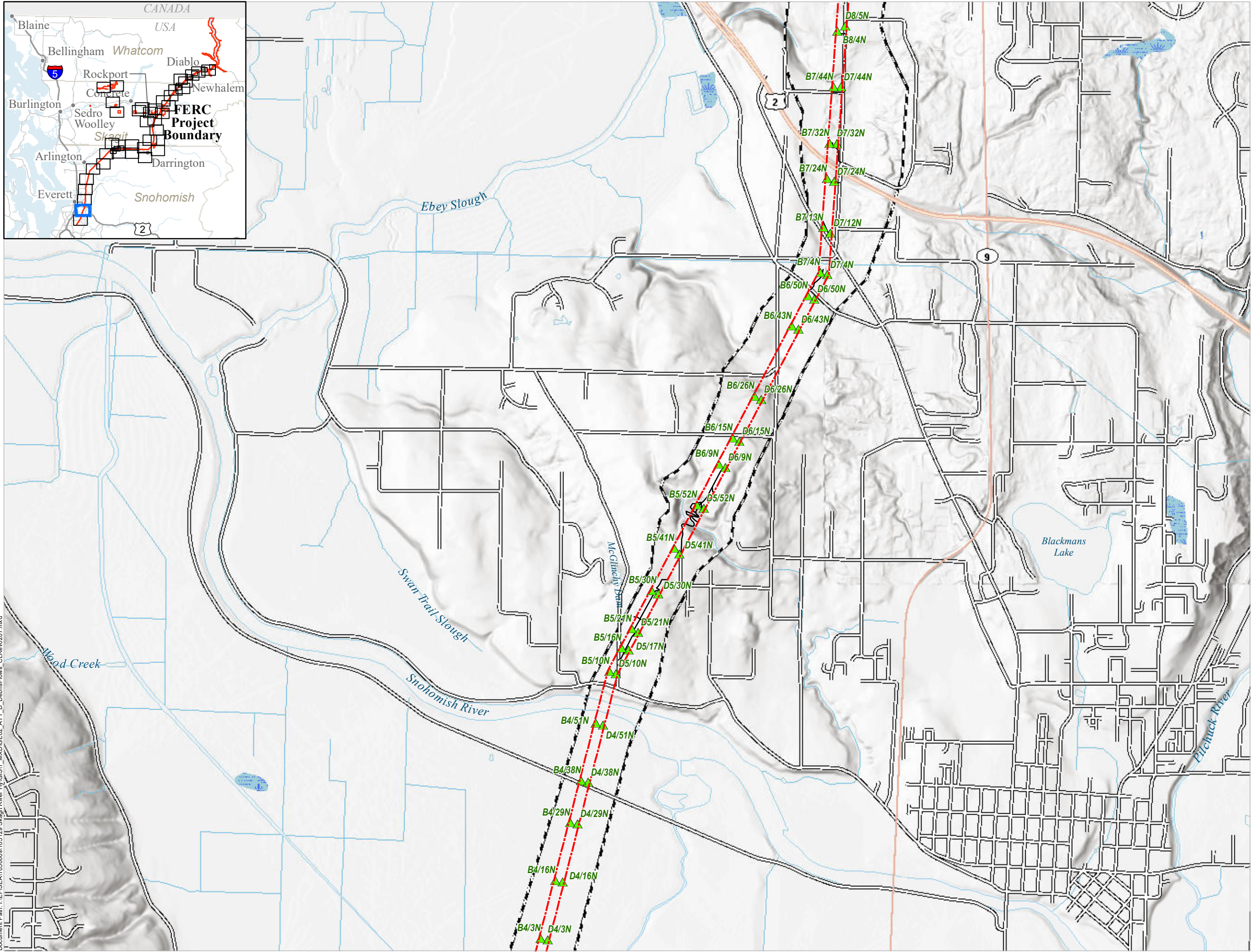
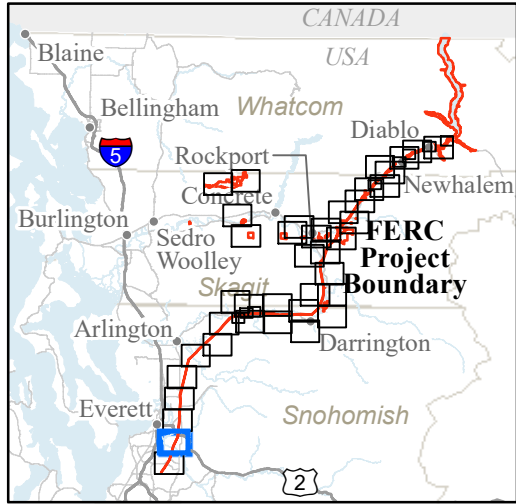
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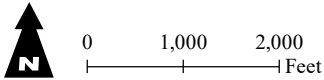
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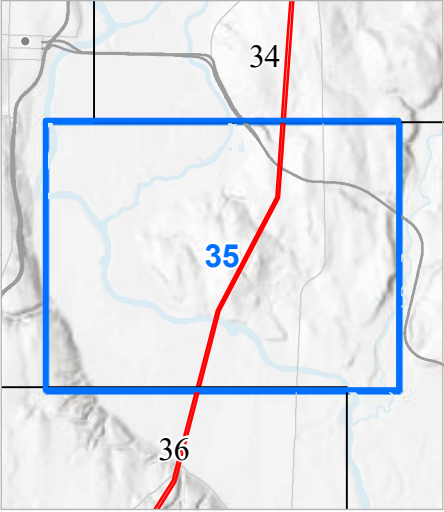


GE-02: DEBRIS FLOW AND FAN ANALYSIS

- FERC Project Boundary
- City Light Transmission Line Tower Locations
- Study Routes
- Road
- Mass Wasting Study Boundary



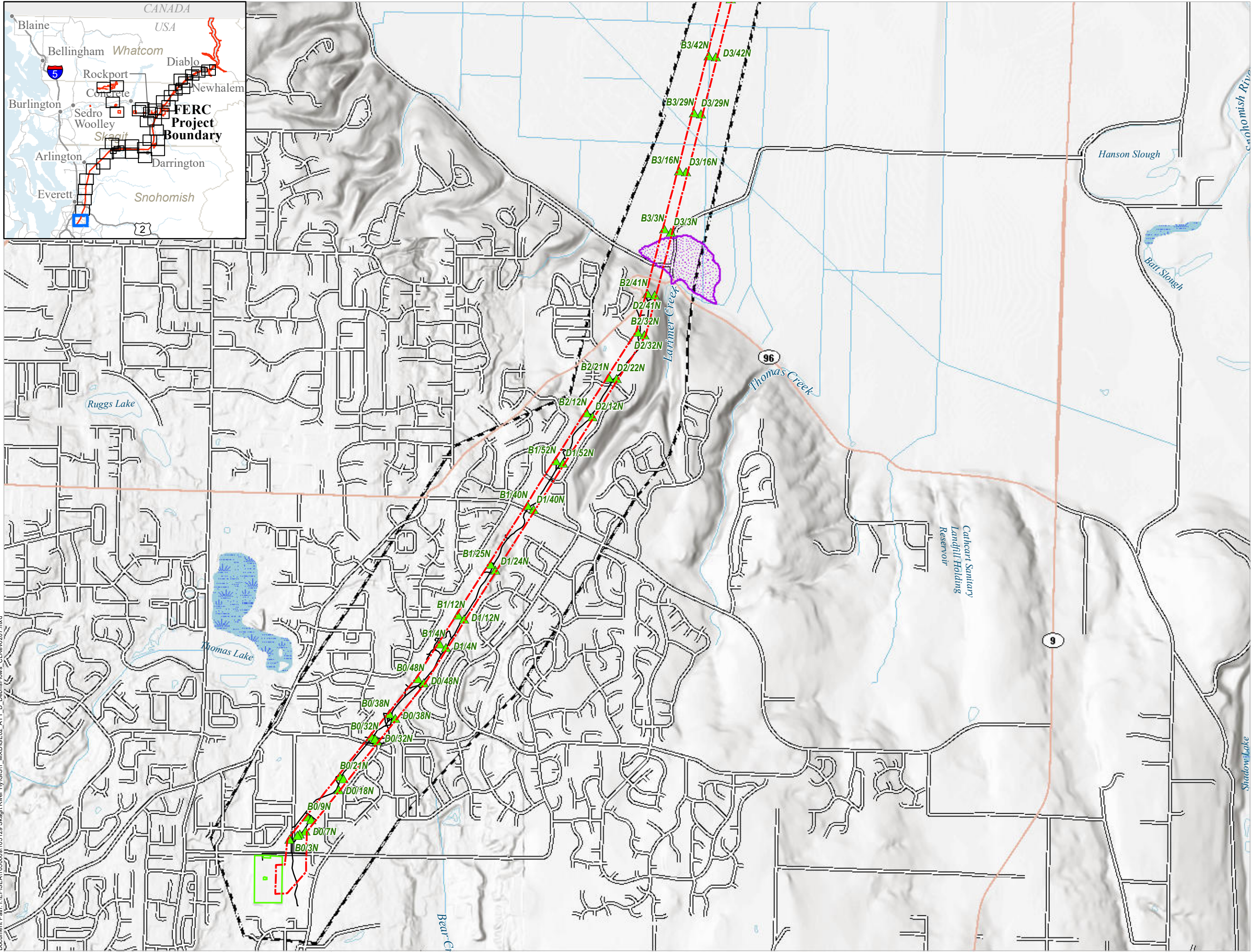
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Seattle City Light

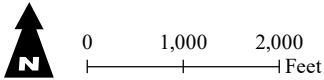
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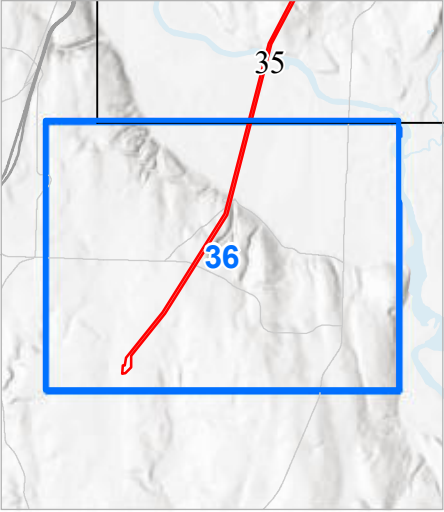


GE-02: DEBRIS FLOW AND FAN ANALYSIS

- FERC Project Boundary
- City Light Major Facilities
- City Light Transmission Line Tower Locations
- Study Routes
 - Road
 - Mass Wasting Study Boundary
- Fan Deposits
 - Debris Flow



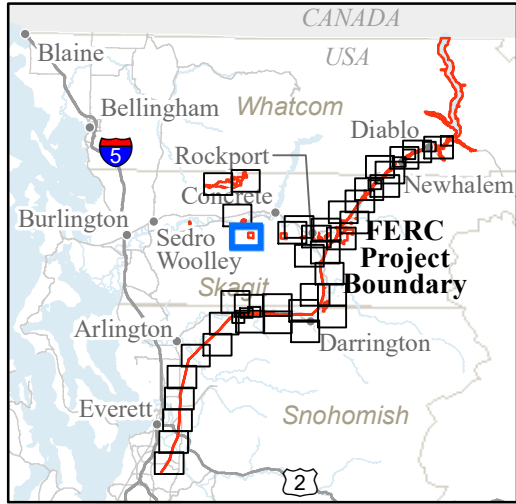
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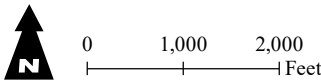
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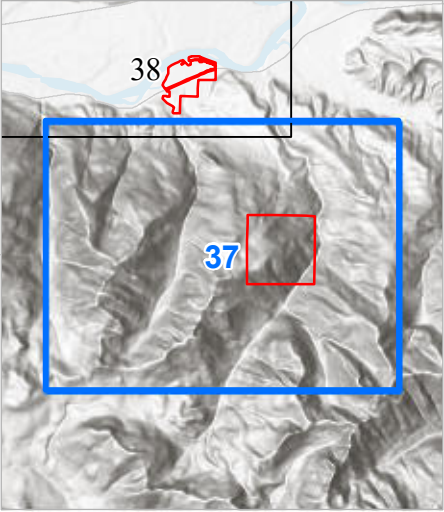


GE-02: DEBRIS FLOW AND FAN ANALYSIS

- FERC Project Boundary
- City Light Mitigation Parcels
- Mass Wasting Study Boundary



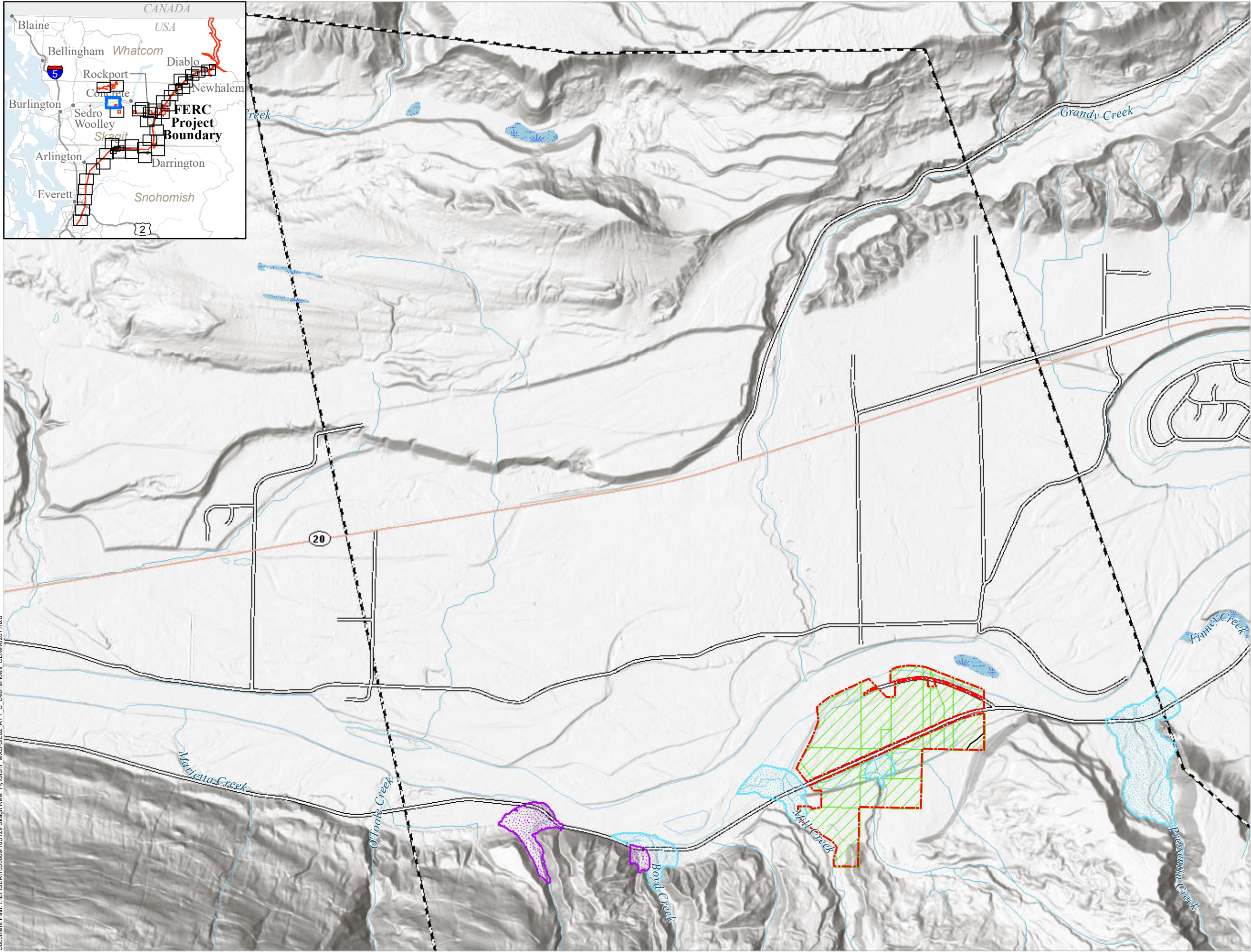
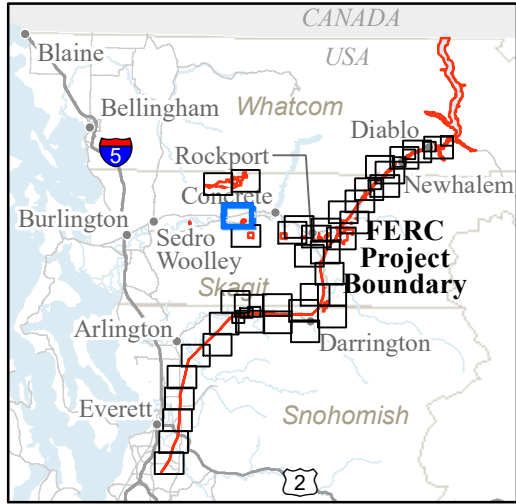
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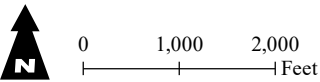
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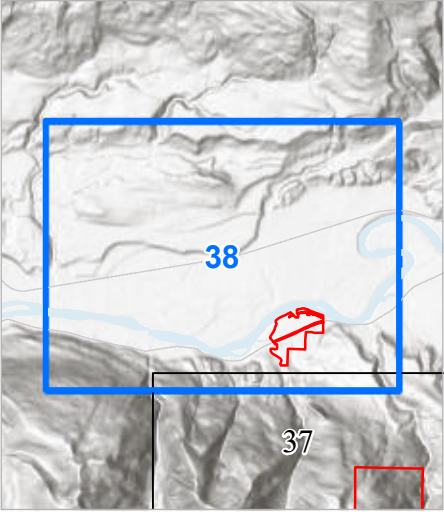


GE-02: DEBRIS FLOW AND FAN ANALYSIS

- FERC Project Boundary
- City Light Mitigation Parcels
- Study Routes
- Road
- Mass Wasting Study Boundary
- Fan Deposits
- Debris Flood
- Debris Flow



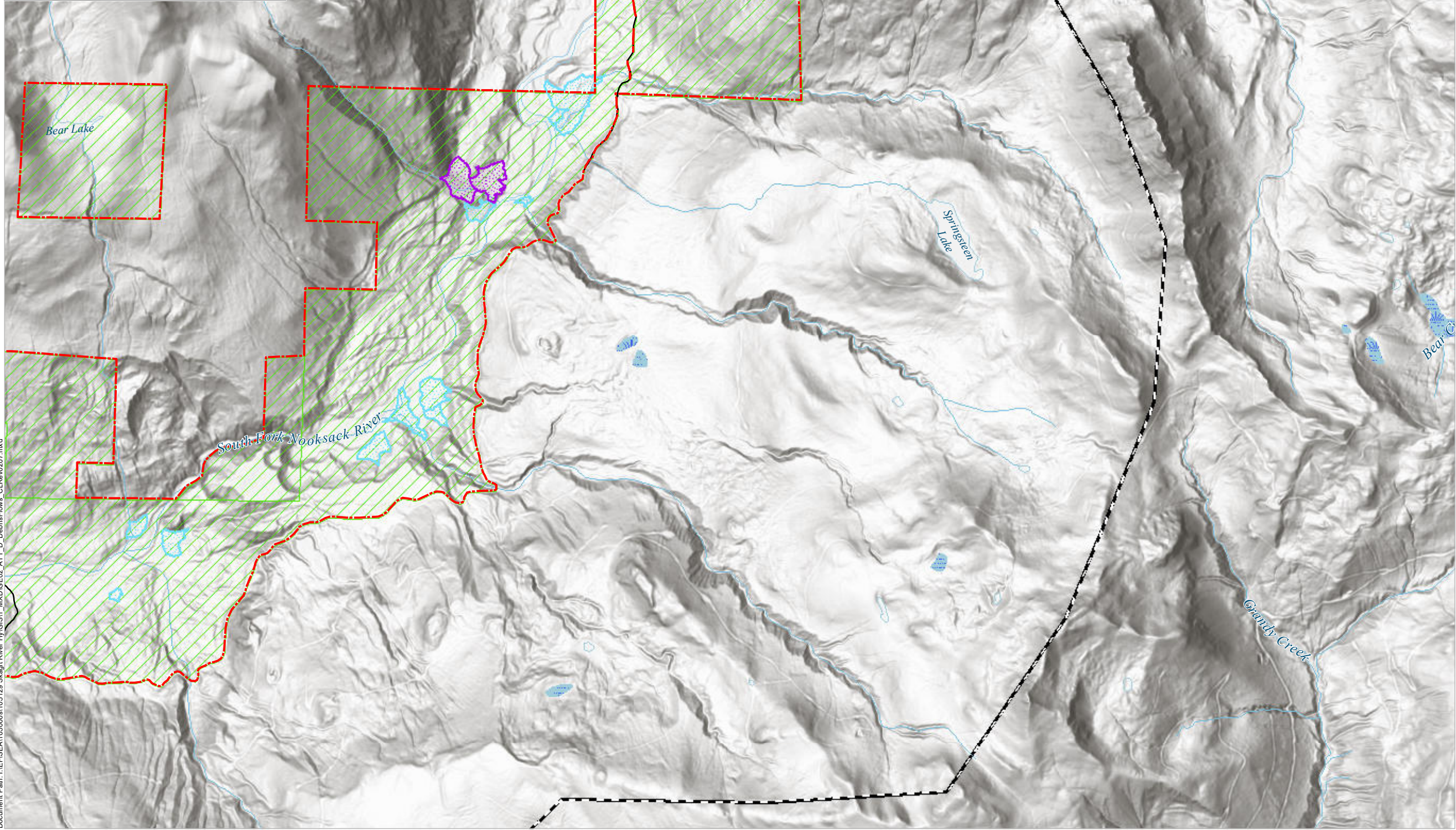
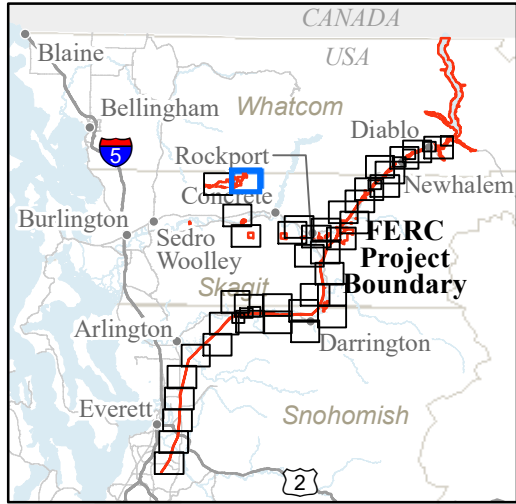
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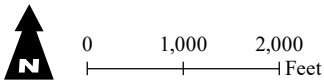
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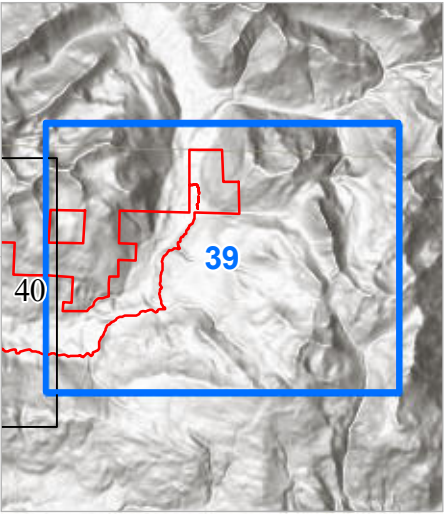


GE-02: DEBRIS FLOW AND FAN ANALYSIS

- FERC Project Boundary
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 - Road
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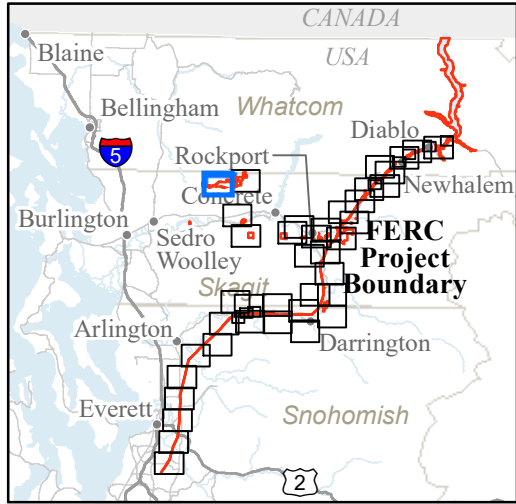
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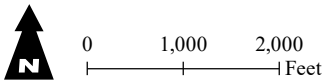
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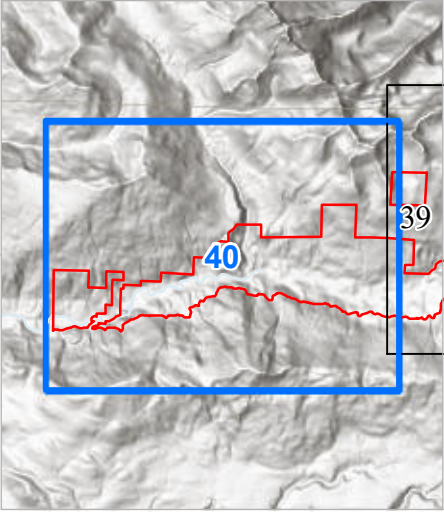


GE-02: DEBRIS FLOW AND FAN ANALYSIS

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