

# RESTORING *TSIDEK'ETNA* (MOOSE CREEK): A TRIBAL EFFORT TO BRING SALMON HOME

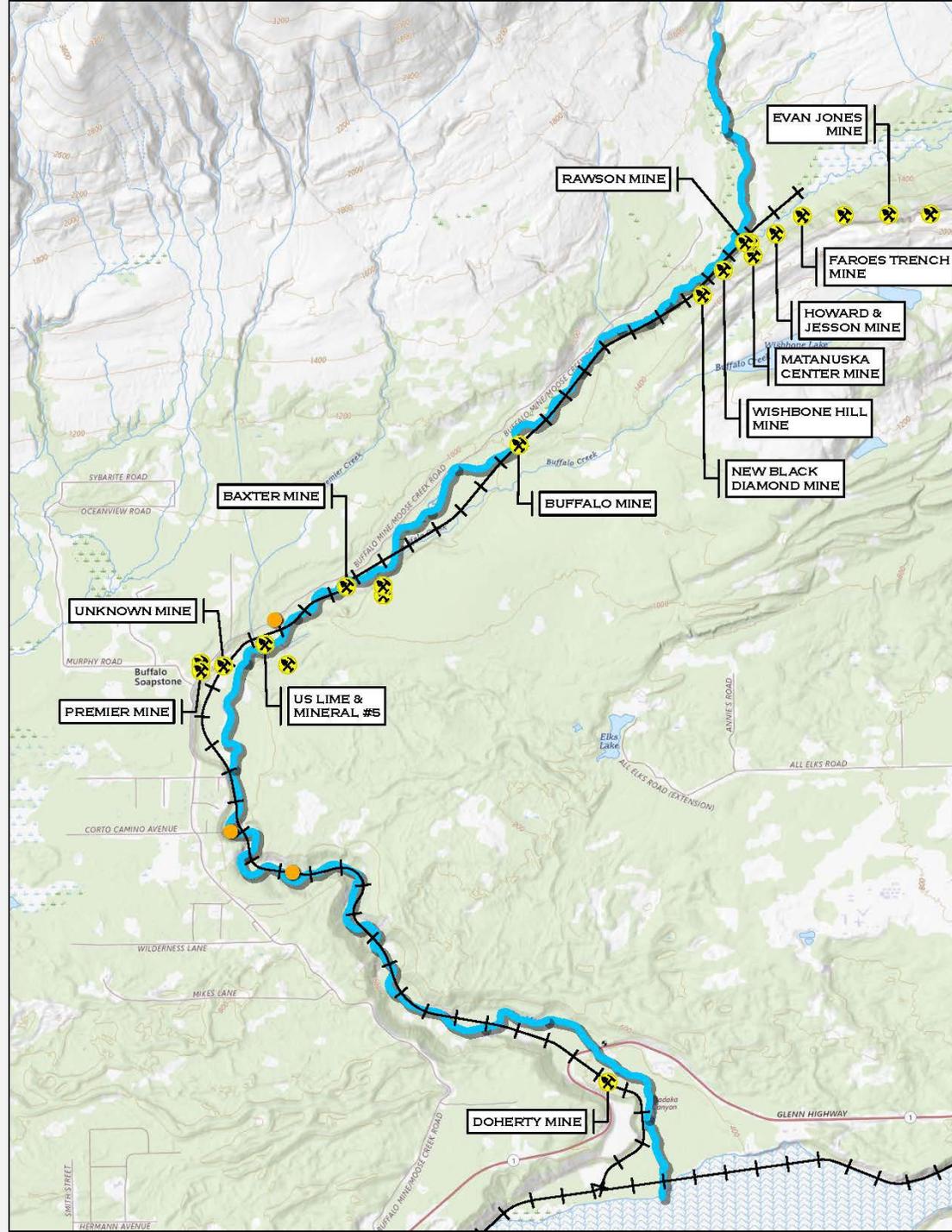
Jessica Winnestaffer and Andrea James  
Chickaloon Village Traditional Council



# HISTORY OF *TSIDEK'ETNA* (MOOSE CREEK)

- Ahtna placename =  
“Grandmother’s Place Creek”
- Five species of Pacific Salmon
- Coal mines
- Railroad for coal

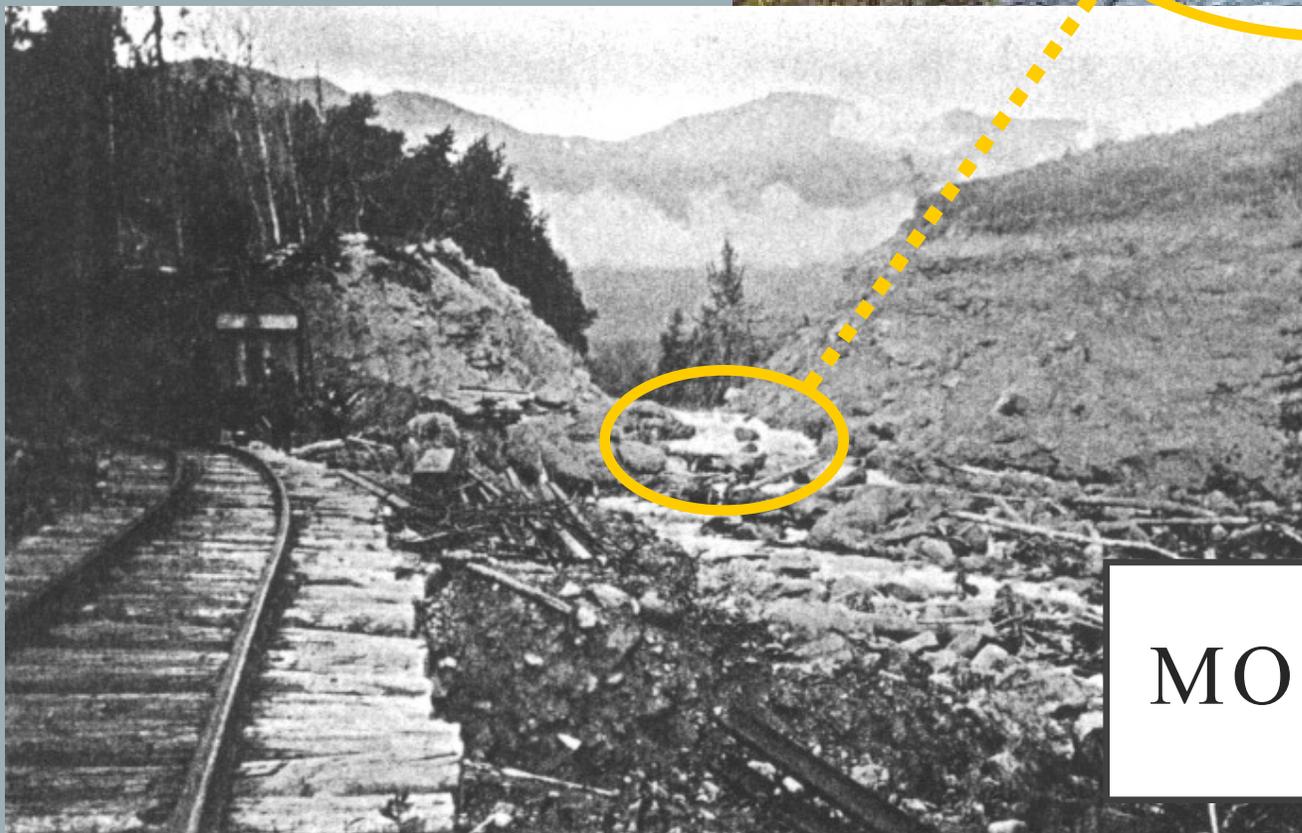




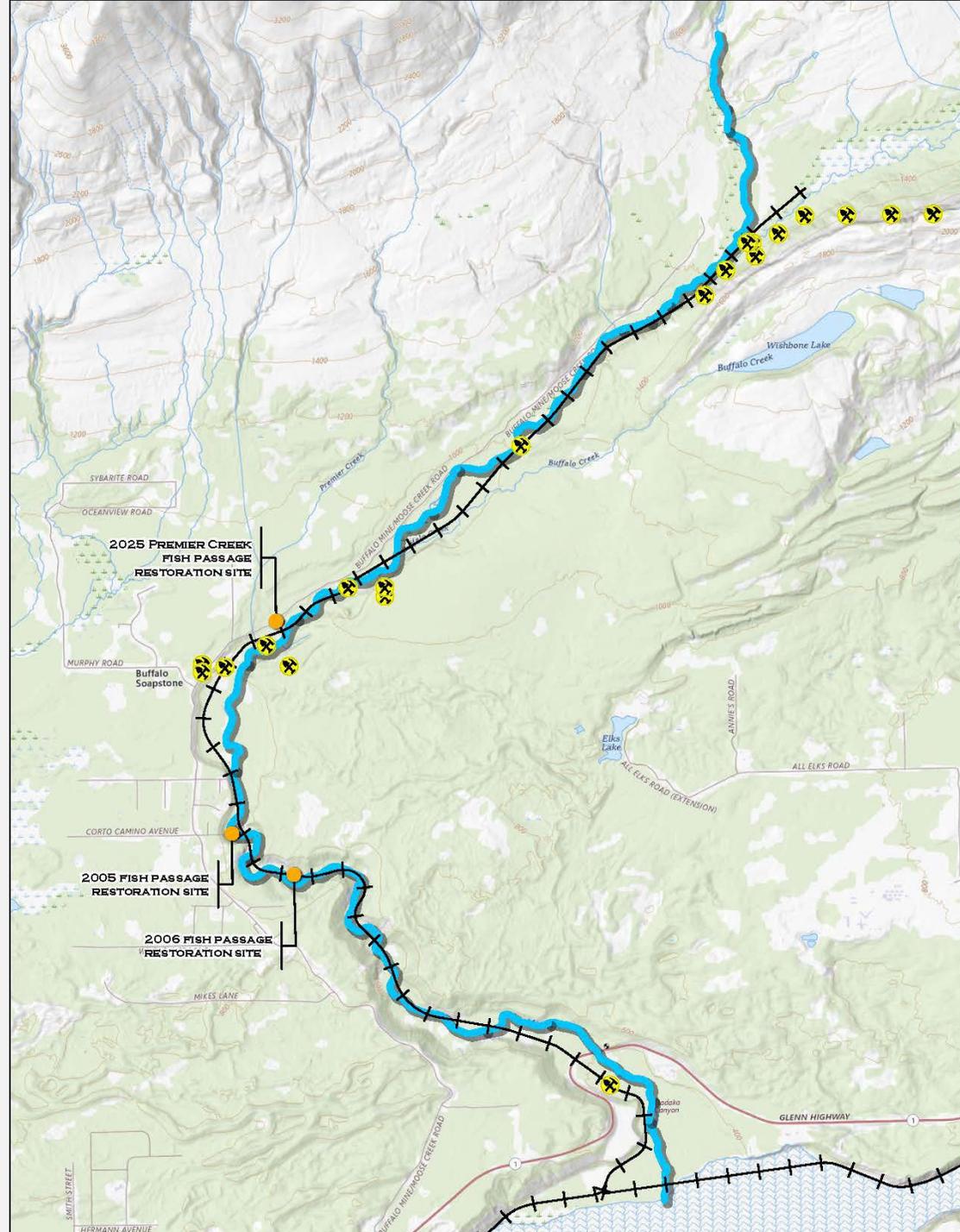


1927  
RAILROAD  
ALIGNMENT  
MAP

MOOSE CREEK 2004



MOOSE CREEK 1920'S



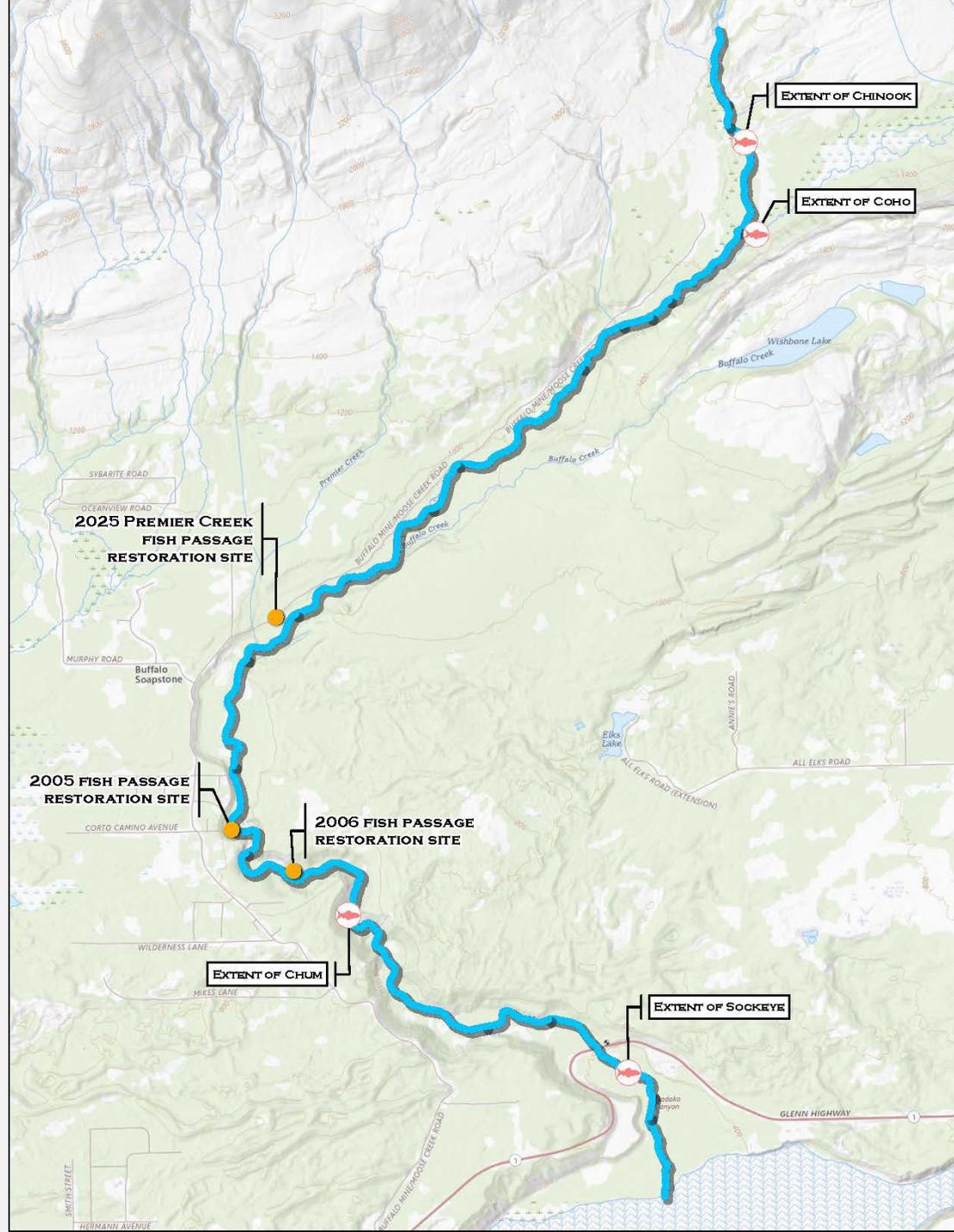


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2005 RESTORATION



UPSTREAM SALMON ACCESS RESTORED!



# CURRENT UPSTREAM SALMON EXTENT

# LIMITING FACTORS

- Velocity barriers
- Substrate size
- Substrate compaction
- Floodplain disconnection
- Incision
- Lack of large woody debris
- Lack of habitat complexity
- Lack of significant pools



# GOOD QUALITIES

- Cold water
- Minimal land use/ development
- Water sources
- Tributaries
- Riparian vegetation
- Side-channels
- Large woody debris (some)





FUNDED  
MOOSE CREEK  
RESTORATION  
PROJECT

## Restoration Goals

- Reduce velocity barriers
- Restore floodplain connection
- Increase bedform diversity
- Restore fish passage to tributaries
- Increase large woody debris
- Increase # of significant pools

# FUTURE COURSES

- Design Demonstration – Summer 2026
  - Construction Layout and Inspection – Summer 2027
  - Monitoring and Adaptive Management – Fall 2029
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- Federal Procurement Training – February 2026
  - Macroinvertebrates in Stream Restoration – May 2026
  - Swift Water Rescue – Spring/ Summer 2026

*TSIN'AEN SIIGU*

(THANK YOU VERY MUCH)!

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