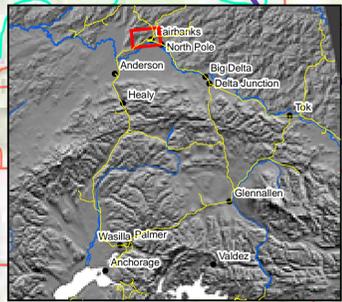
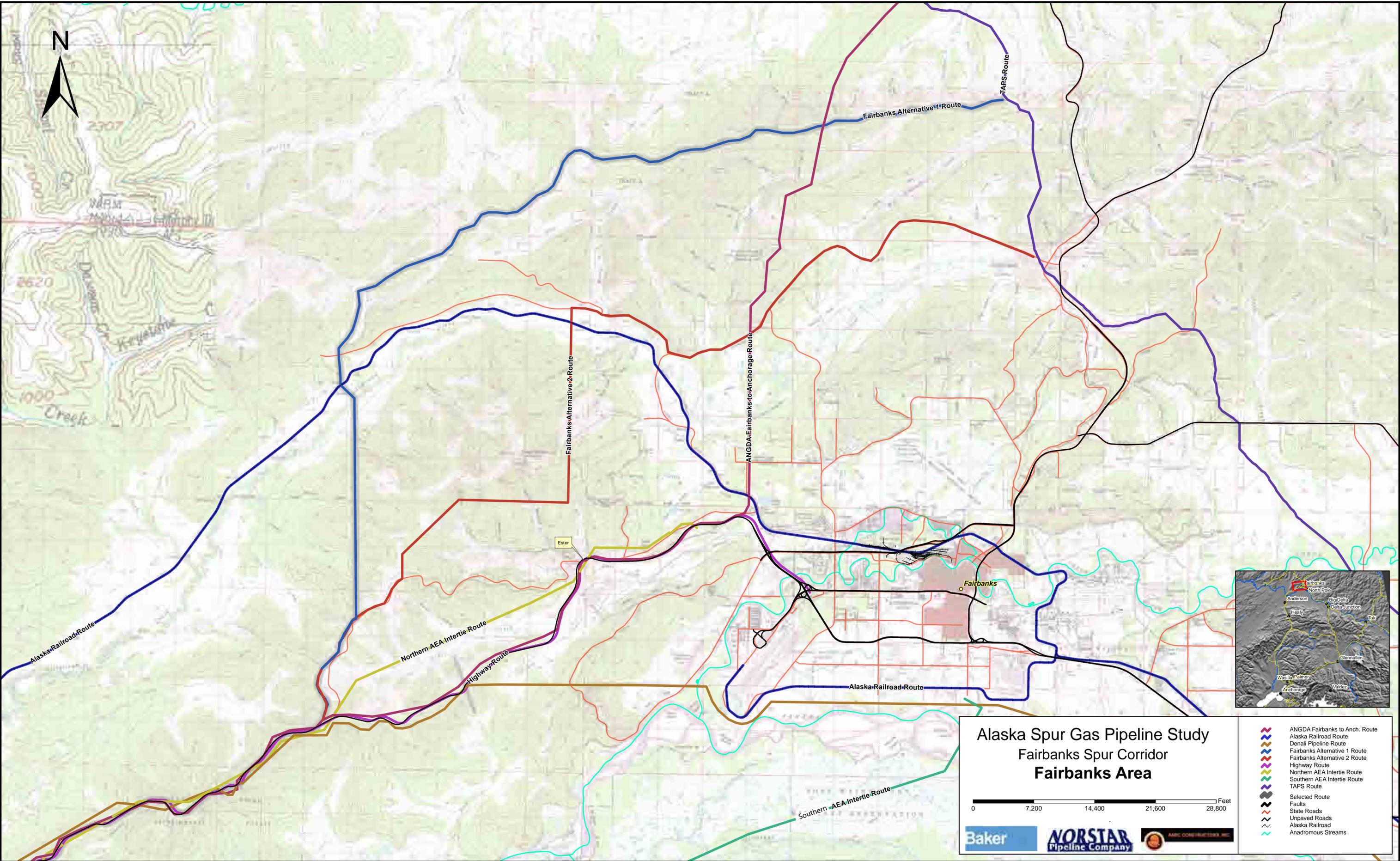


Appendix 4-1

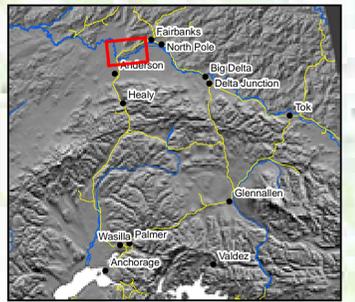
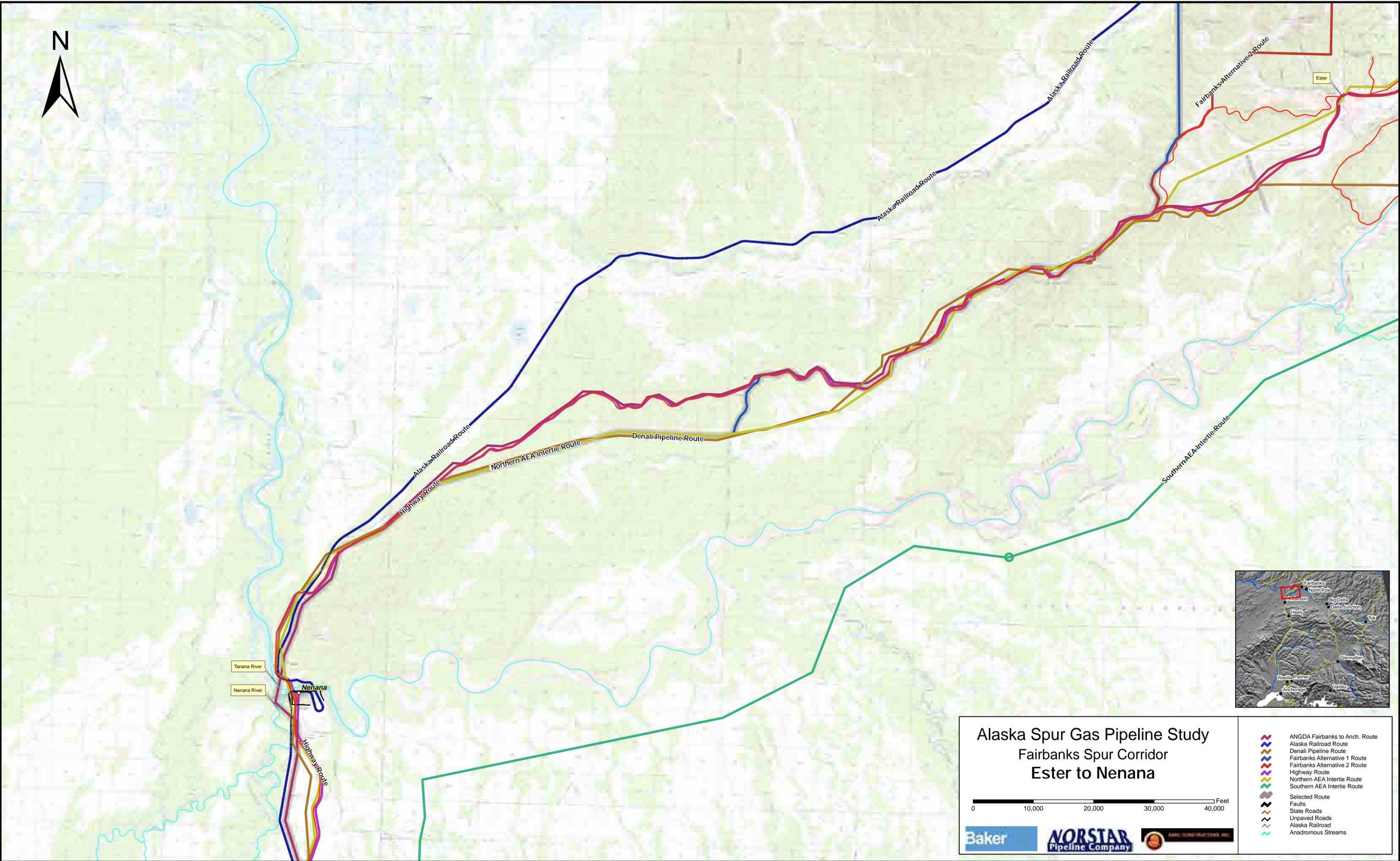
Route Segment Maps



Alaska Spur Gas Pipeline Study Fairbanks Spur Corridor Fairbanks Area



- ANGDA Fairbanks to Anch. Route
- Alaska Railroad Route
- Denali Pipeline Route
- Fairbanks Alternative 1 Route
- Fairbanks Alternative 2 Route
- Highway Route
- Northern AEA Intertie Route
- Southern AEA Intertie Route
- TAPS Route
- Selected Route
- Faults
- State Roads
- Unpaved Roads
- Alaska Railroad
- Anadromous Streams



Alaska Spur Gas Pipeline Study Fairbanks Spur Corridor Ester to Nenana



- ANGDA Fairbanks to Anch. Route
- Alaska Railroad Route
- Denali Pipeline Route
- Fairbanks Alternative 1 Route
- Fairbanks Alternative 2 Route
- Highway Route
- Northern AEA Intertie Route
- Southern AEA Intertie Route
- Selected Route
- Faults
- State Roads
- Unpaved Roads
- Alaska Railroad
- Anadromous Streams



Northern AEA Intertie Route

HEALY CREEK FAULT ZONE

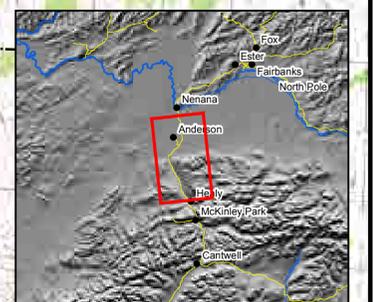
Highway Route

ANGDA Fairbanks to Anchorage Route

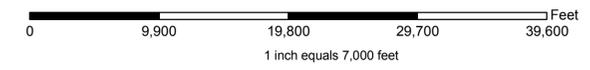
Southern AEA Intertie Route

Denali Pipeline Route

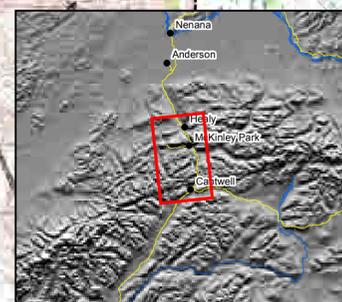
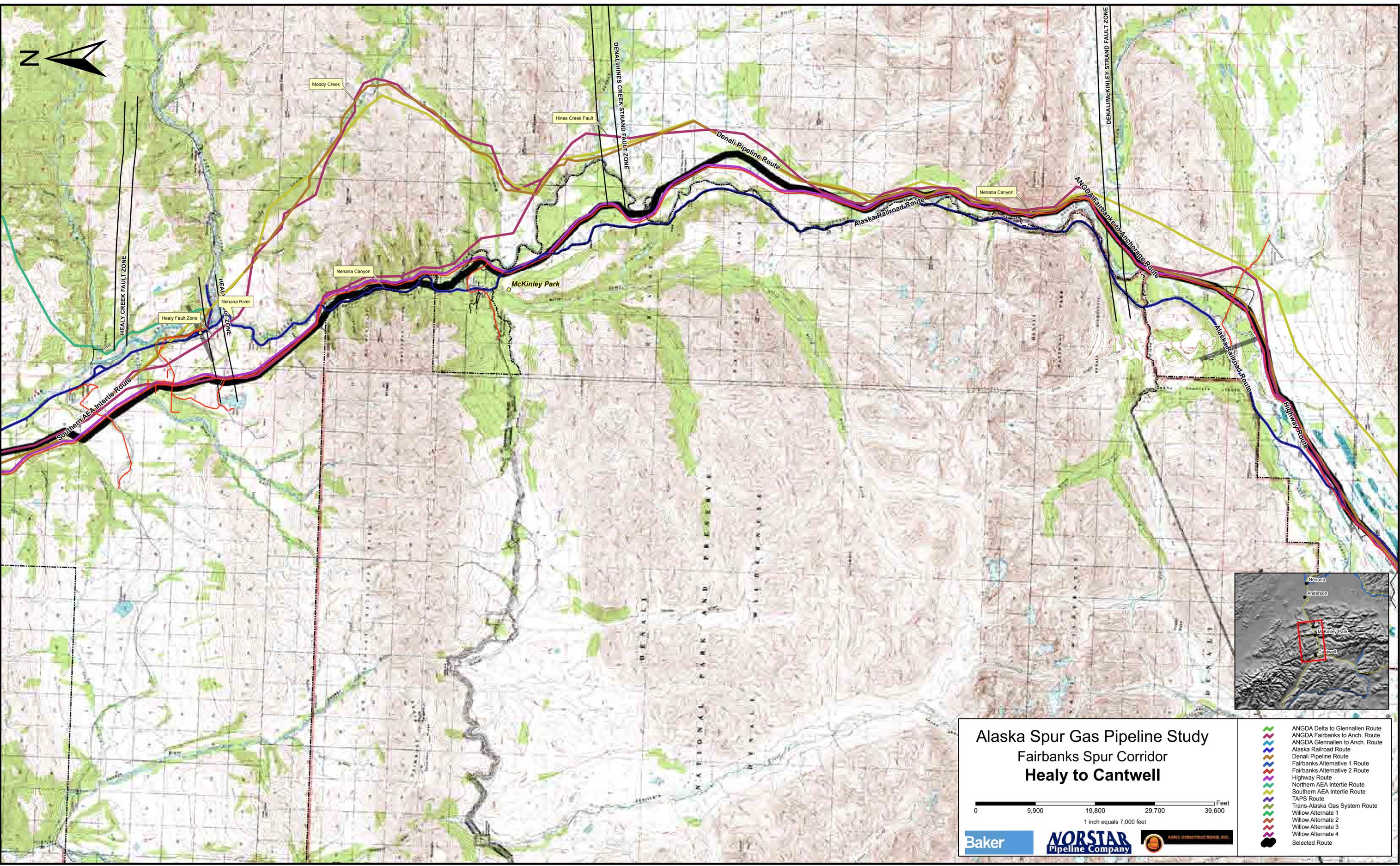
Nenana River



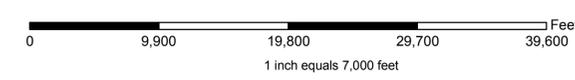
Alaska Spur Gas Pipeline Study Fairbanks Spur Corridor Nenana to Healy



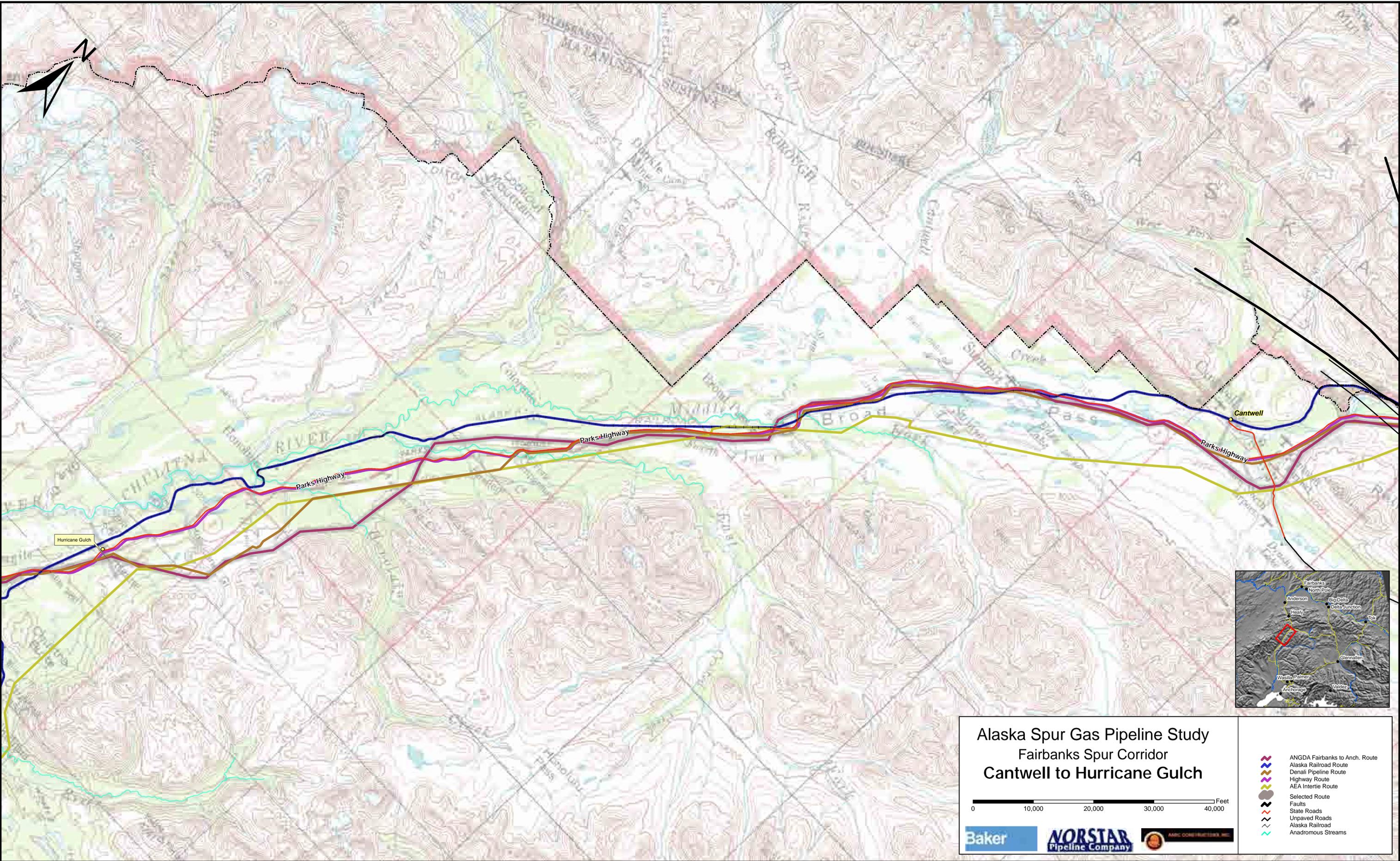
-  ANGDA Delta to Glennallen Route
-  ANGDA Fairbanks to Anch. Route
-  ANGDA Glennallen to Anch. Route
-  Alaska Railroad Route
-  Denali Pipeline Route
-  Fairbanks Alternative 1 Route
-  Fairbanks Alternative 2 Route
-  Highway Route
-  Northern AEA Intertie Route
-  Southern AEA Intertie Route
-  TAPS Route
-  Trans-Alaska Gas System Route
-  Willow Alternate 1
-  Willow Alternate 2
-  Willow Alternate 3
-  Willow Alternate 4
-  Selected Route



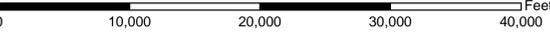
Alaska Spur Gas Pipeline Study Fairbanks Spur Corridor Healy to Cantwell



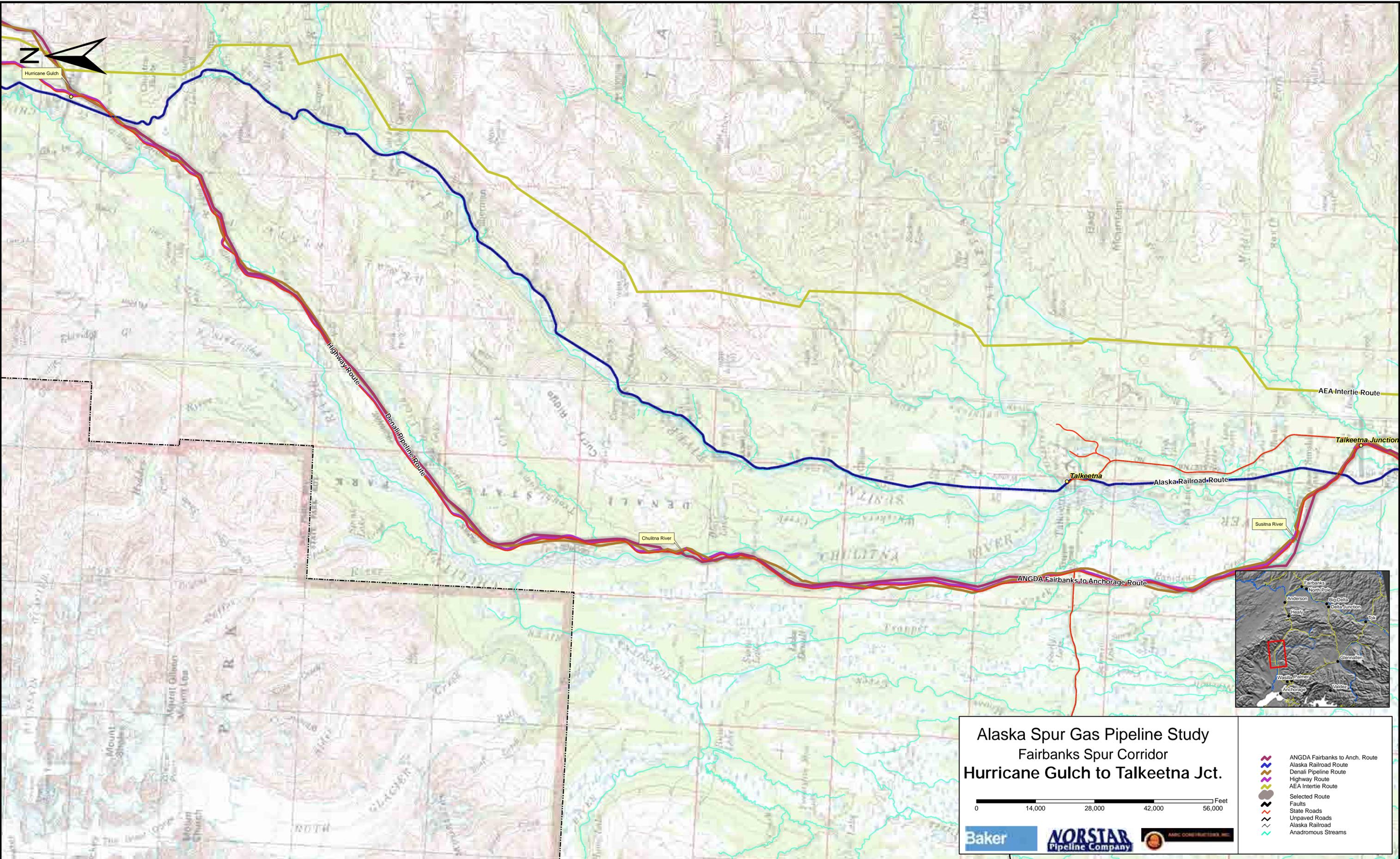
- ANGDA Delta to Glennallen Route
- ANGDA Fairbanks to Anch. Route
- ANGDA Glennallen to Anch. Route
- Alaska Railroad Route
- Denali Pipeline Route
- Fairbanks Alternative 1 Route
- Fairbanks Alternative 2 Route
- Highway Route
- Northern AEA Intertie Route
- Southern AEA Intertie Route
- TAPS Route
- Trans-Alaska Gas System Route
- Willow Alternate 1
- Willow Alternate 2
- Willow Alternate 3
- Willow Alternate 4
- Selected Route



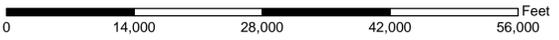
Alaska Spur Gas Pipeline Study
 Fairbanks Spur Corridor
 Cantwell to Hurricane Gulch



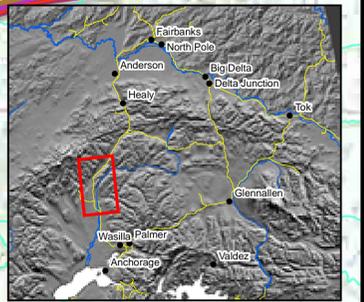
- ANGDA Fairbanks to Anch. Route
- Alaska Railroad Route
- Denali Pipeline Route
- Highway Route
- AEA Intertie Route
- Selected Route
- Faults
- State Roads
- Unpaved Roads
- Alaska Railroad
- Anadromous Streams

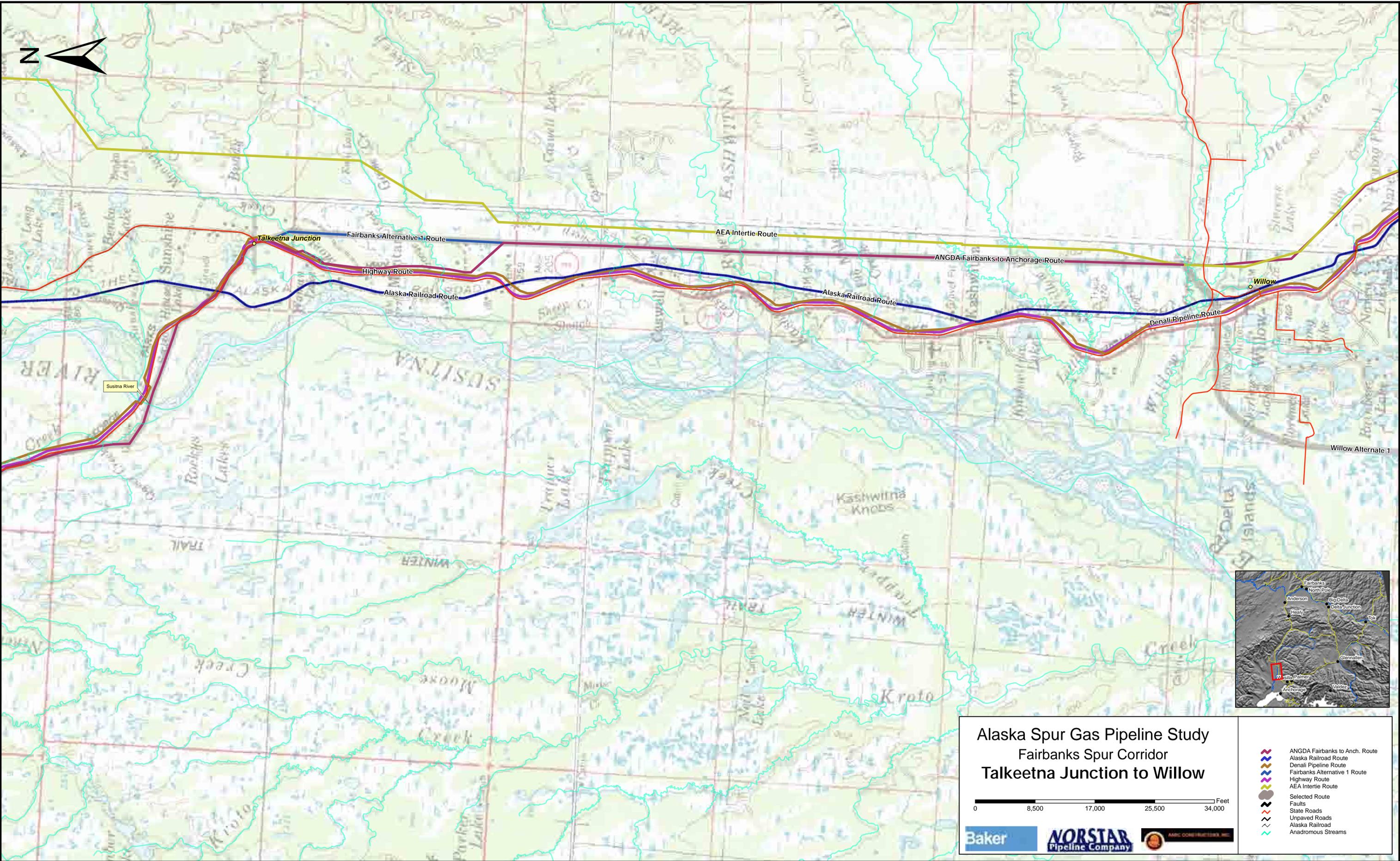


**Alaska Spur Gas Pipeline Study
Fairbanks Spur Corridor
Hurricane Gulch to Talkeetna Jct.**

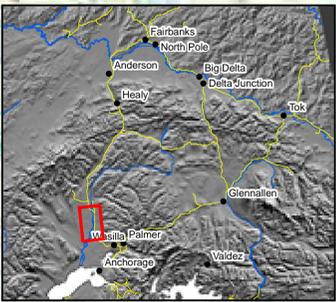


- ANGDA Fairbanks to Anch. Route
- Alaska Railroad Route
- Denali Pipeline Route
- Highway Route
- AEA Intertie Route
- Selected Route
- Faults
- State Roads
- Unpaved Roads
- Alaska Railroad
- Anadromous Streams

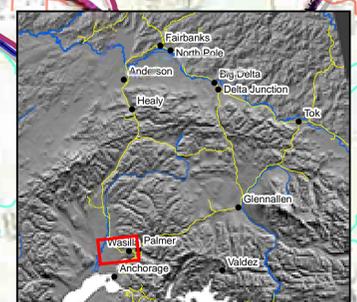
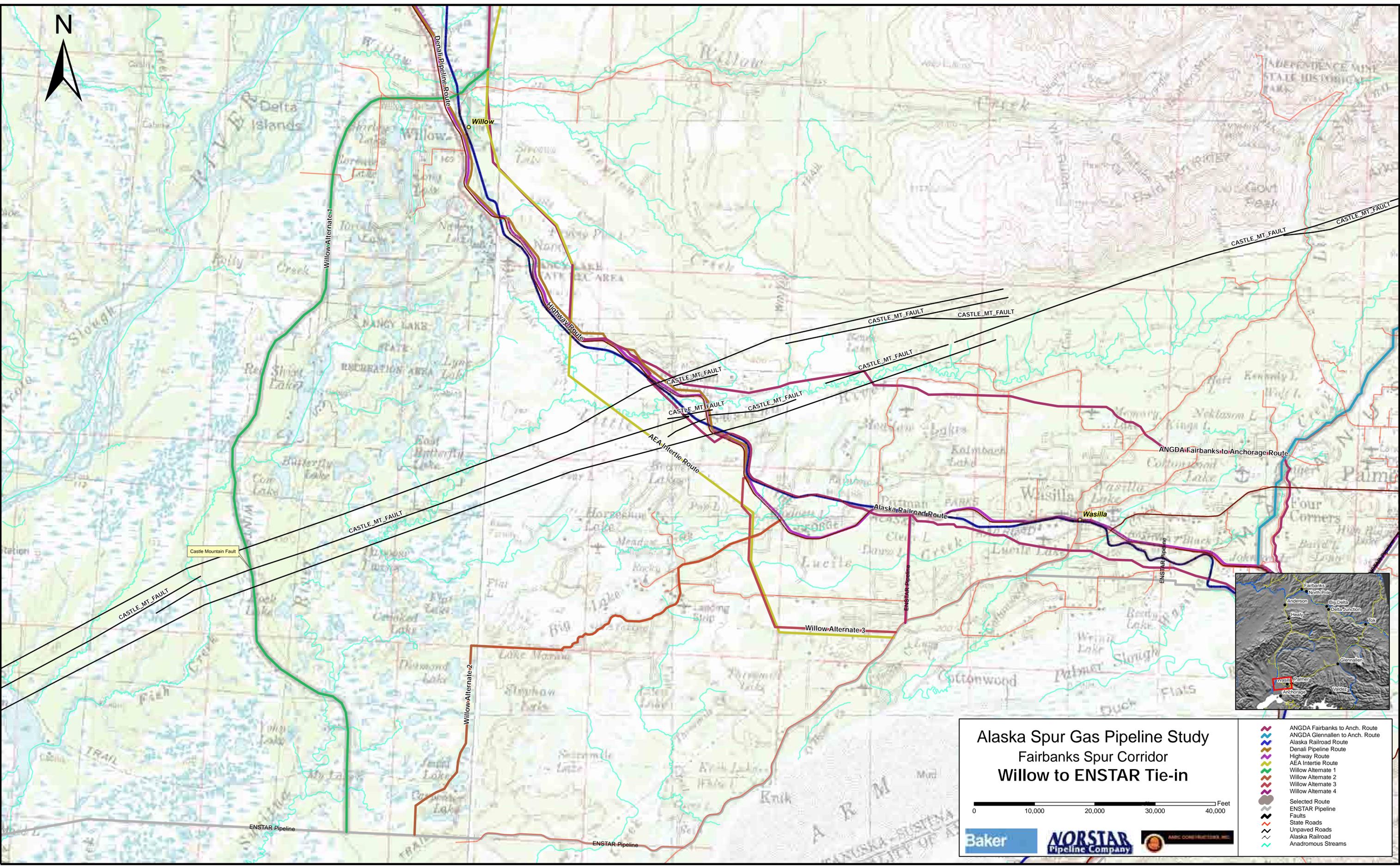




Alaska Spur Gas Pipeline Study Fairbanks Spur Corridor Talkeetna Junction to Willow



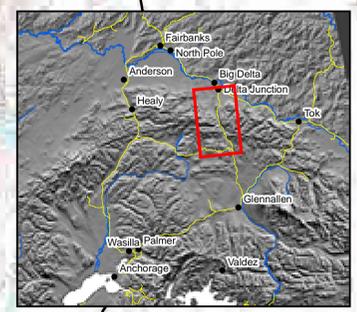
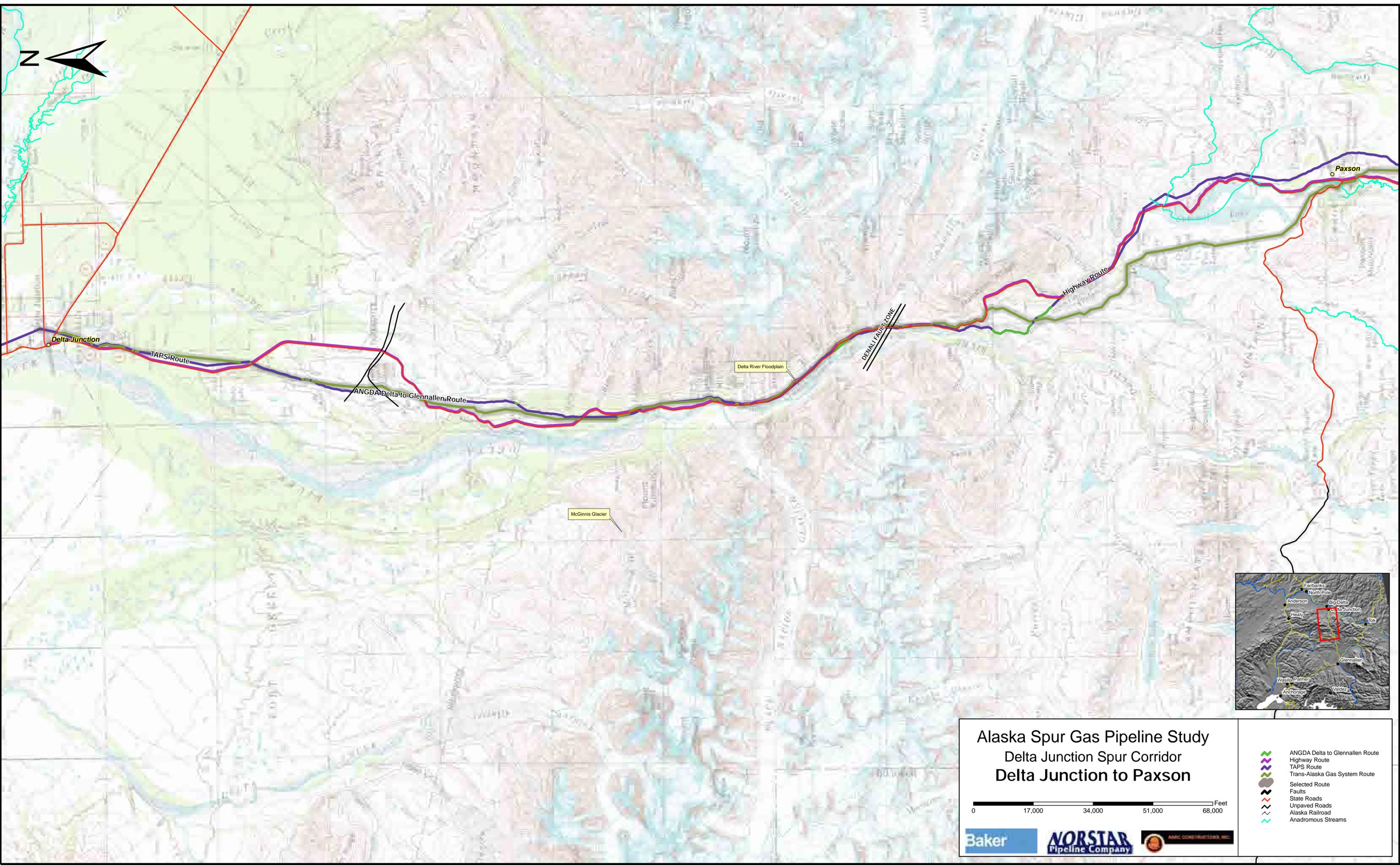
-  ANGDA Fairbanks to Anch. Route
-  Alaska Railroad Route
-  Denali Pipeline Route
-  Fairbanks Alternative 1 Route
-  Highway Route
-  AEA Intertie Route
-  Selected Route
-  Faults
-  State Roads
-  Unpaved Roads
-  Alaska Railroad
-  Anadromous Streams



Alaska Spur Gas Pipeline Study Fairbanks Spur Corridor Willow to ENSTAR Tie-in



- ANGDA Fairbanks to Anch. Route
- ANGDA Glennallen to Anch. Route
- Alaska Railroad Route
- Denali Pipeline Route
- Highway Route
- AEA Intertie Route
- Willow Alternate 1
- Willow Alternate 2
- Willow Alternate 3
- Willow Alternate 4
- Selected Route
- ENSTAR Pipeline
- Faults
- State Roads
- Unpaved Roads
- Alaska Railroad
- Anadromous Streams

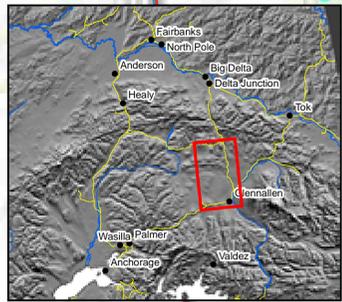
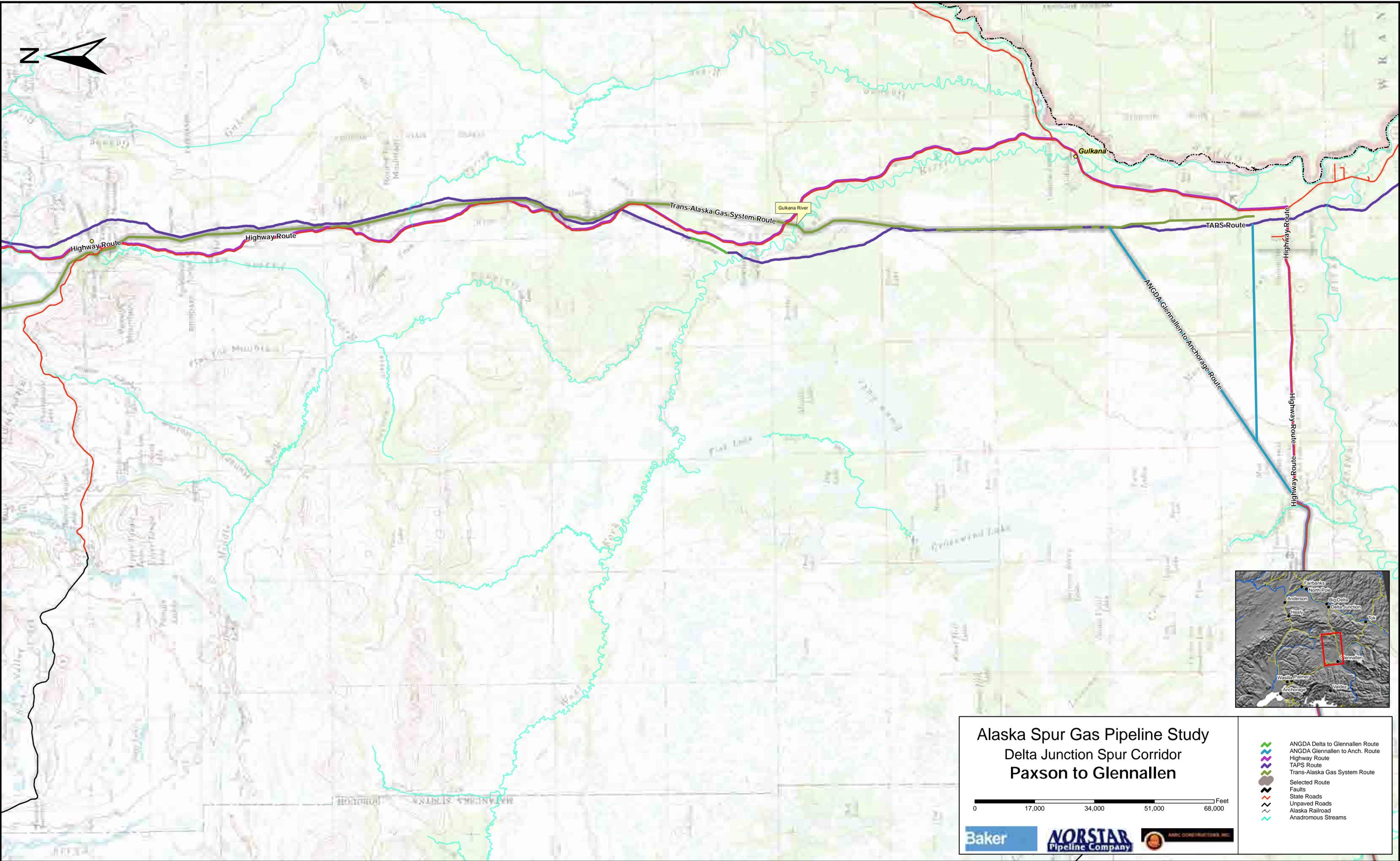


Alaska Spur Gas Pipeline Study
 Delta Junction Spur Corridor
 Delta Junction to Paxson

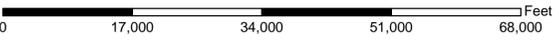
0 17,000 34,000 51,000 68,000 Feet



- ANGDA Delta to Glennallen Route
- Highway Route
- TAPS Route
- Trans-Alaska Gas System Route
- Selected Route
- Faults
- State Roads
- Unpaved Roads
- Alaska Railroad
- Anadromous Streams

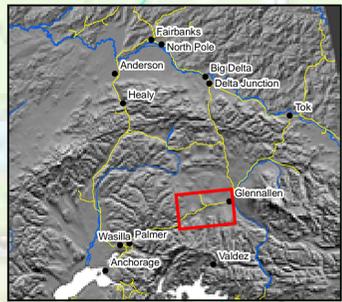
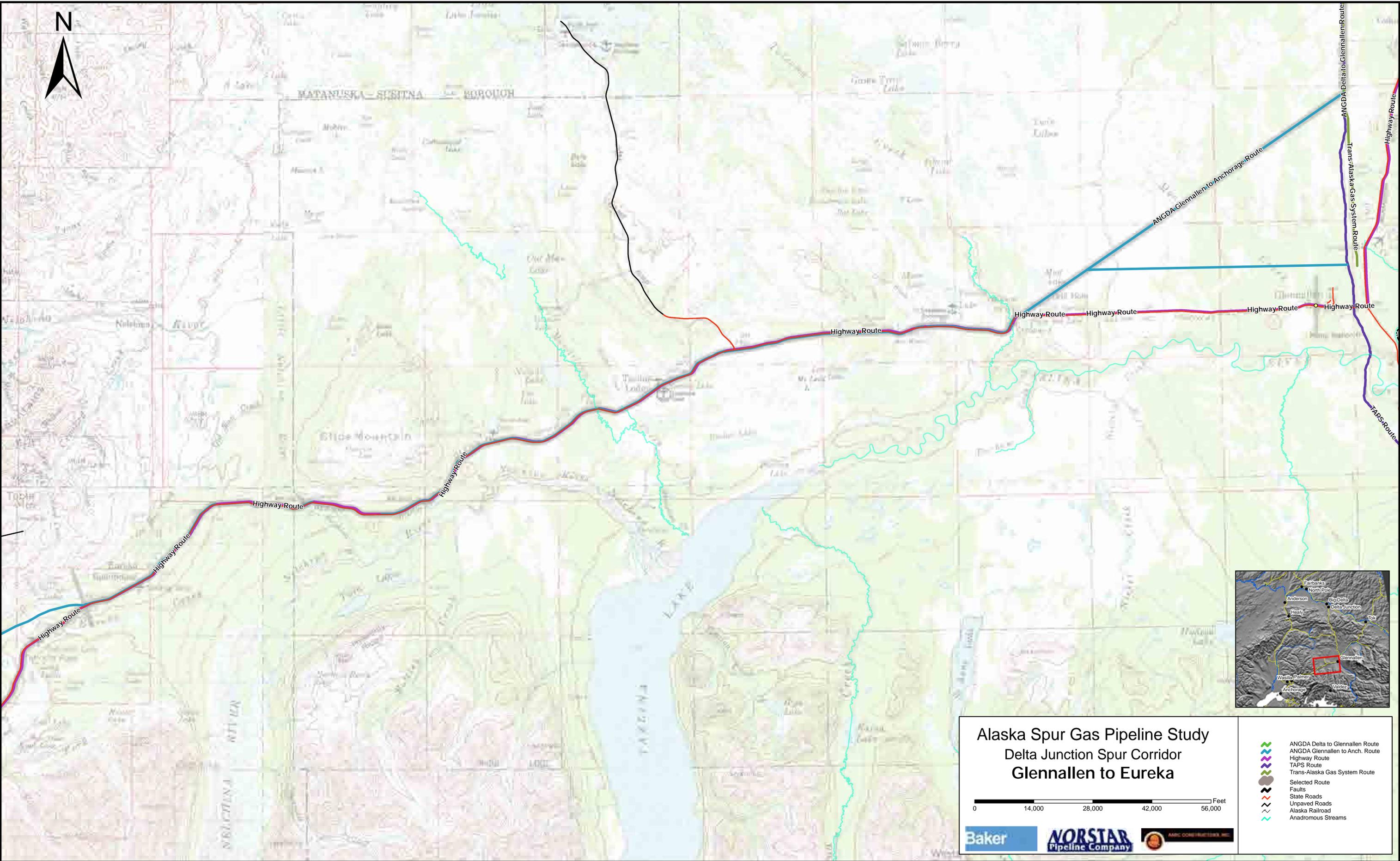


Alaska Spur Gas Pipeline Study Delta Junction Spur Corridor Paxson to Glennallen

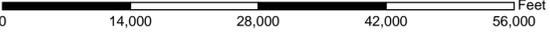


- ANGDA Delta to Glennallen Route
- ANGDA Glennallen to Anch. Route
- Highway Route
- TAPS Route
- Trans-Alaska Gas System Route
- Selected Route
- Faults
- State Roads
- Unpaved Roads
- Alaska Railroad
- Anomalous Streams

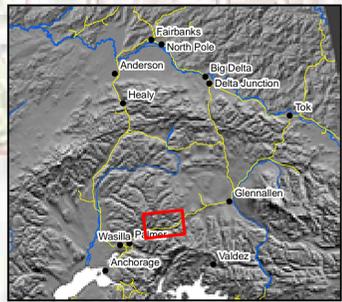
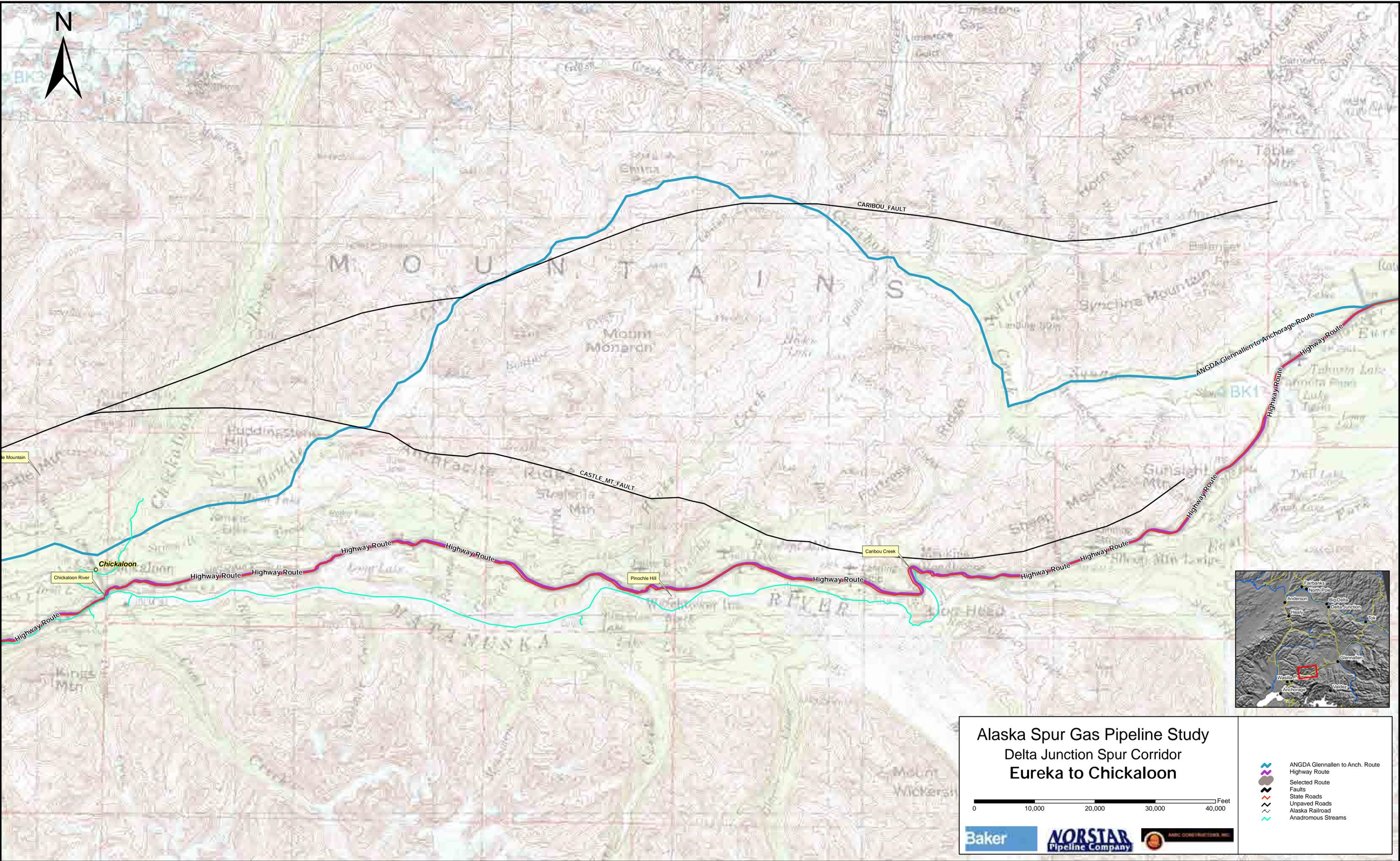




Alaska Spur Gas Pipeline Study Delta Junction Spur Corridor Glennallen to Eureka



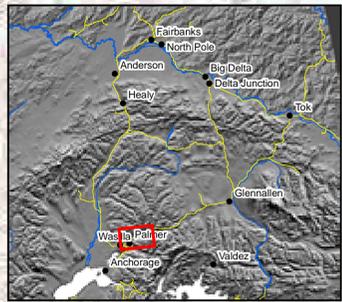
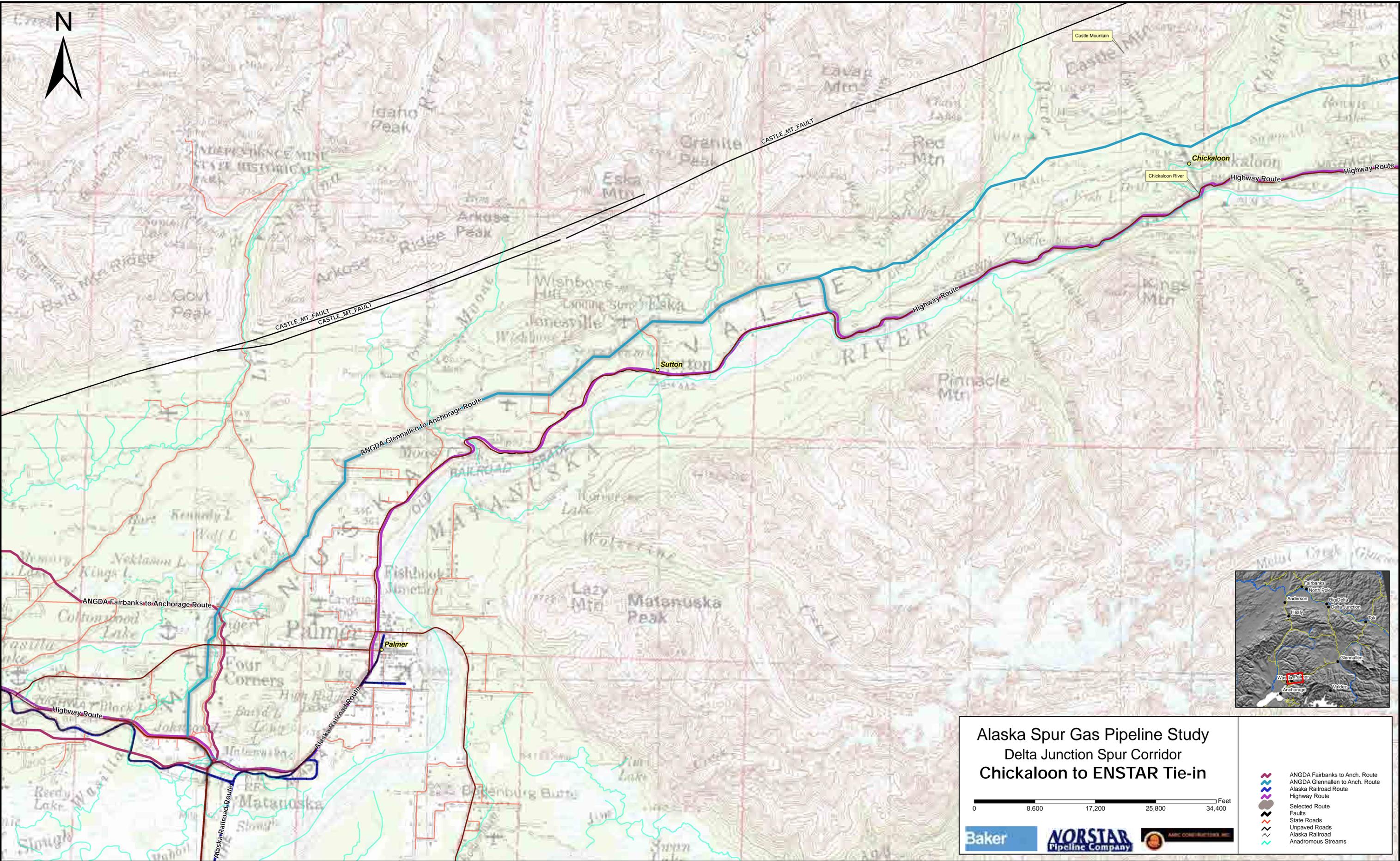
- ANGDA Delta to Glennallen Route
- ANGDA Glennallen to Anch. Route
- Highway Route
- TAPS Route
- Trans-Alaska Gas System Route
- Selected Route
- Faults
- State Roads
- Unpaved Roads
- Alaska Railroad
- Anadromous Streams



Alaska Spur Gas Pipeline Study Delta Junction Spur Corridor Eureka to Chickaloon



- ANGDA Glennallen to Anch. Route
- Highway Route
- Selected Route
- Faults
- State Roads
- Unpaved Roads
- Alaska Railroad
- Anadromous Streams



Alaska Spur Gas Pipeline Study Delta Junction Spur Corridor Chickaloon to ENSTAR Tie-in



- ANGDA Fairbanks to Anch. Route
- ANGDA Glennallen to Anch. Route
- Alaska Railroad Route
- Highway Route
- Selected Route
- Faults
- State Roads
- Unpaved Roads
- Alaska Railroad
- Anadromous Streams