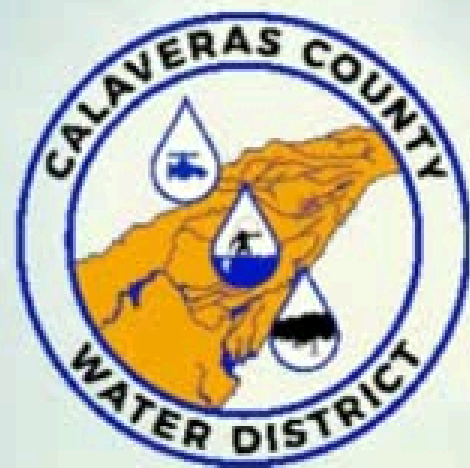
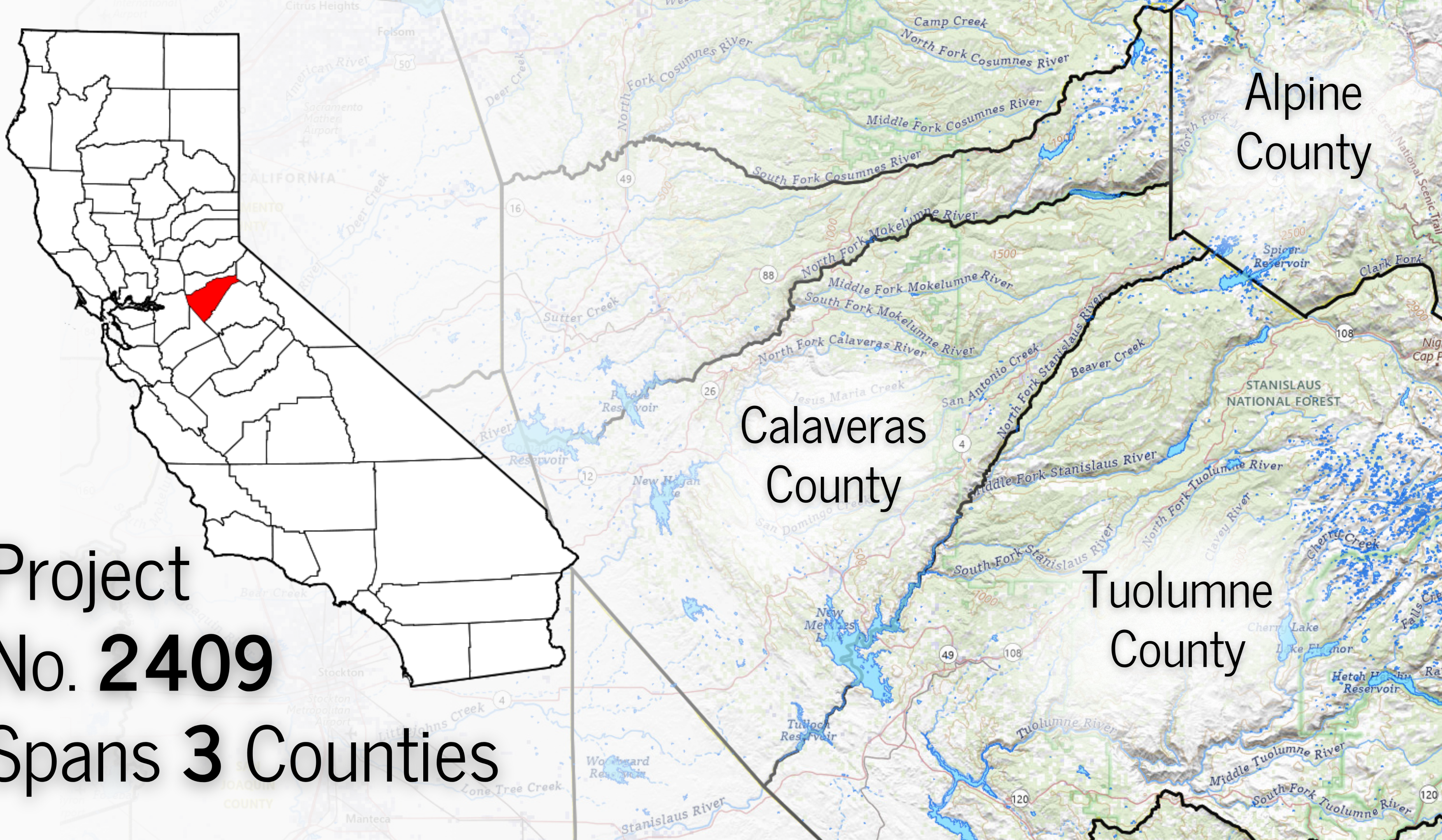


# North Fork Stanislaus River Hydroelectric Project

FERC Project No. 2409







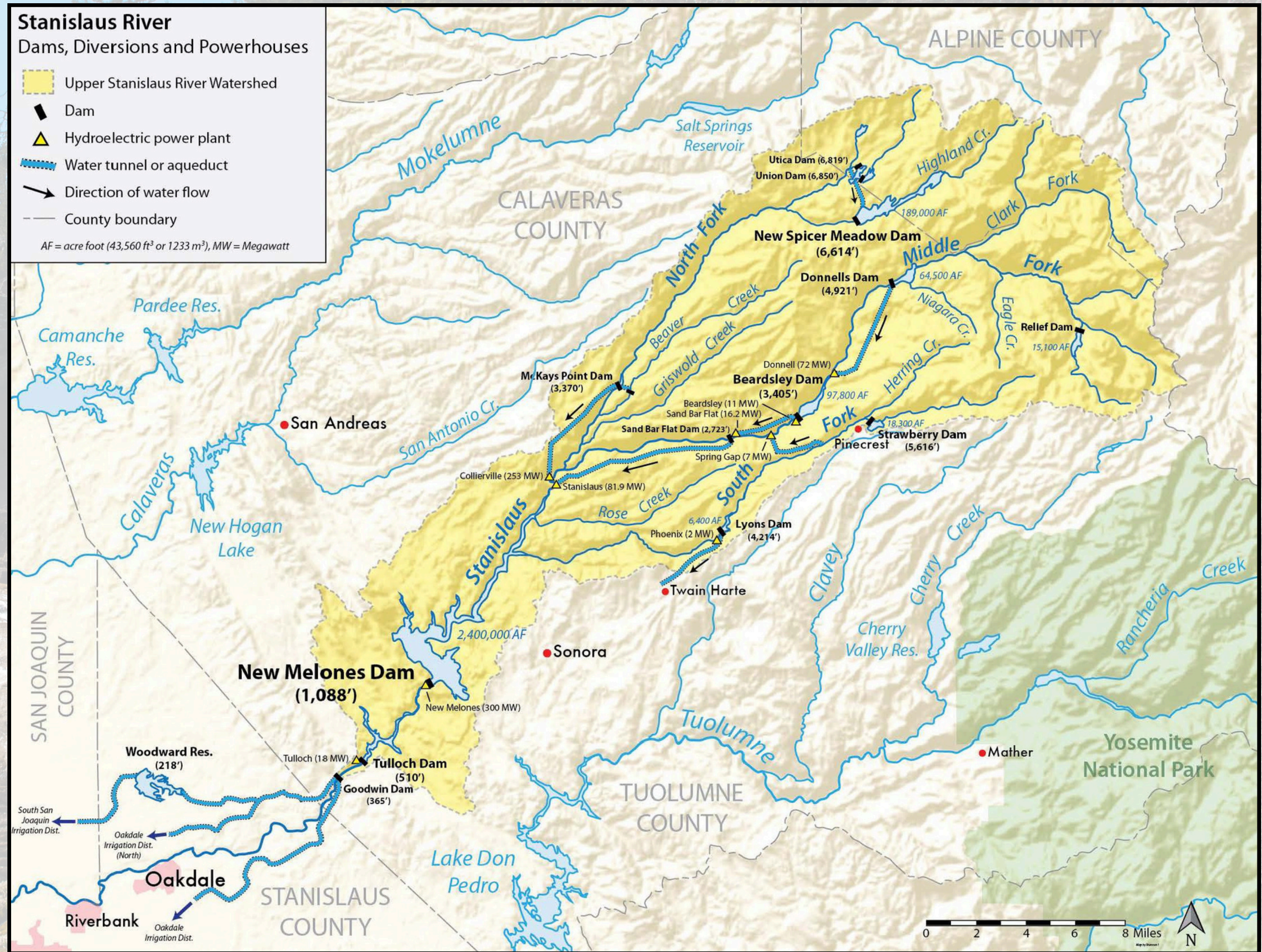
Alpine  
County

Calaveras  
County

Tuolumne  
County

Project  
No. 2409  
Spans 3 Counties

# Upper Stanislaus Watershed



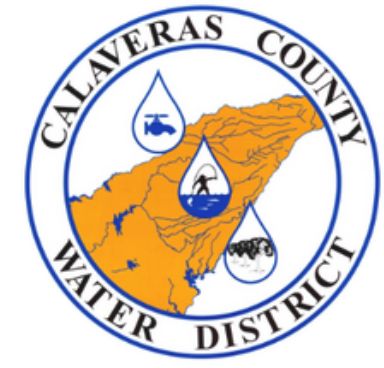
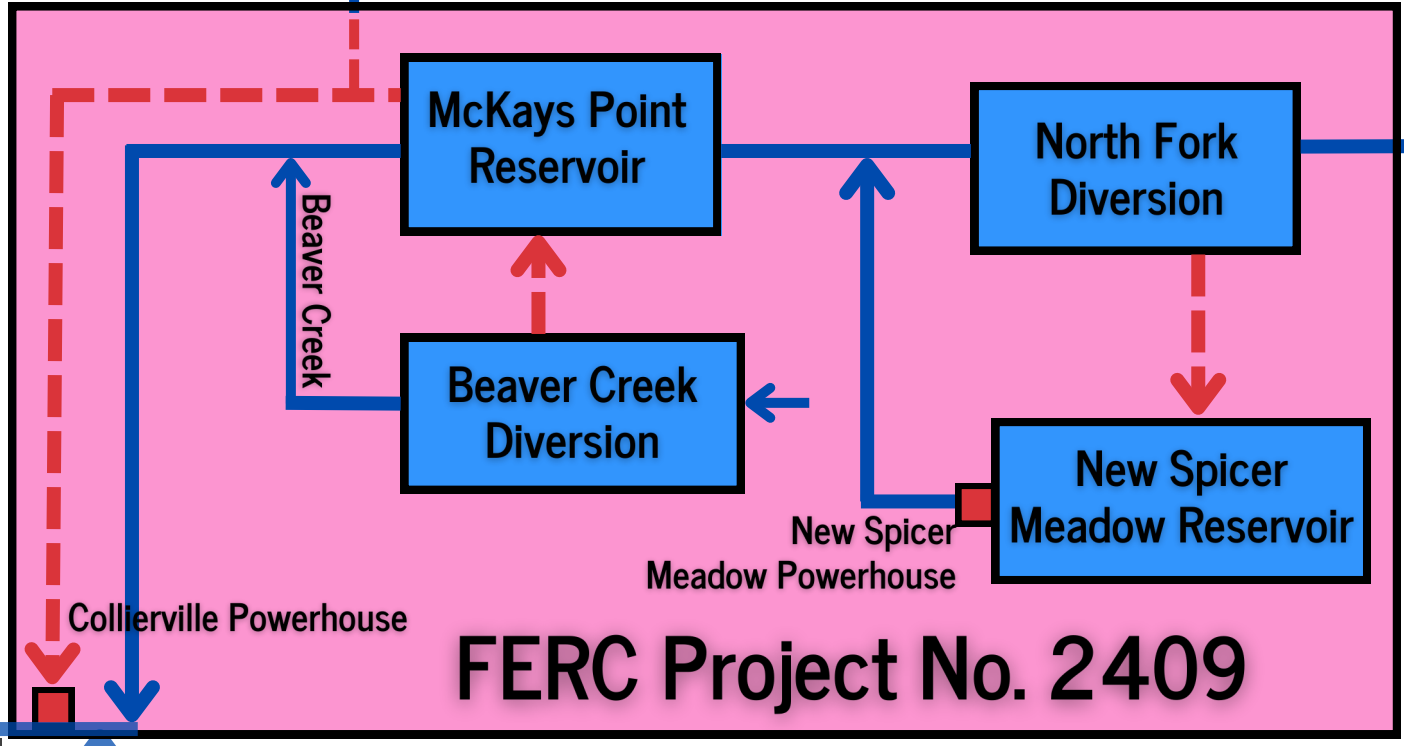
# Upper Stanislaus River



**UWPA**  
FERC Project  
No. 2699  
No. 2019

## North Fork Stanislaus River

**Upper Utica Project**  
FERC Project  
No. 11563



**Lake Tulloch**  
FERC Project  
No. 2005

**New Melones Reservoir**



## Middle Fork Stanislaus River

**Beardsley Lake**  
FERC Project  
No. 2005

**Donnell Lake**  
FERC Project  
No. 2005



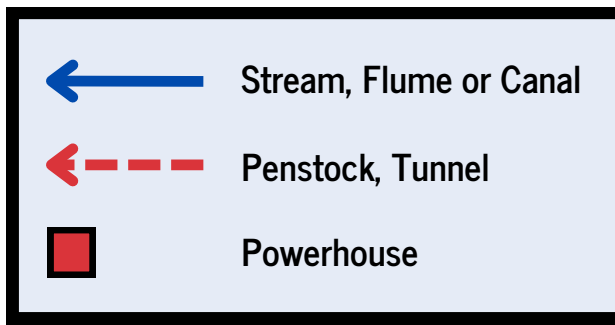
**Lyons Reservoir**  
FERC Project  
No. 2130

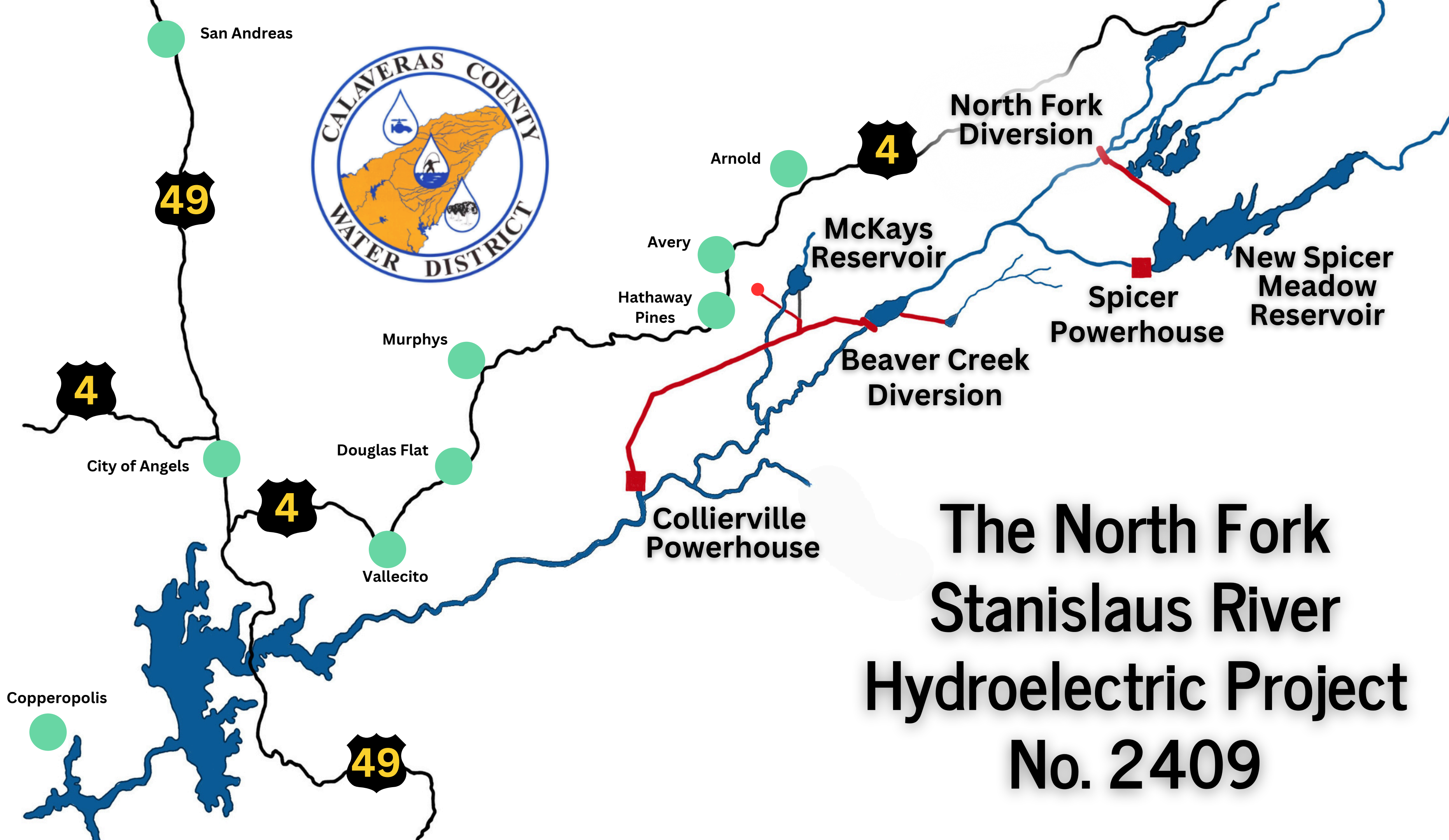
**Pinecrest Lake**  
FERC Project  
No. 2130



## South Fork Stanislaus River

Tuolumne Canal





# The North Fork Stanislaus River Hydroelectric Project No. 2409



Beaver Creek Diversion



North Fork Diversion



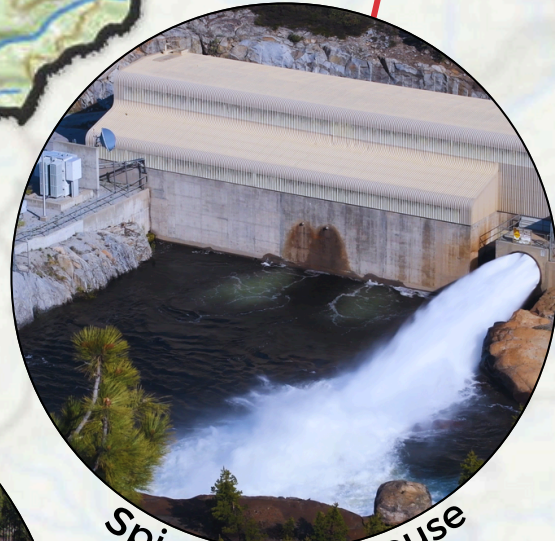
Beaver Creek Diversion Penstock



North Fork Diversion Tunnel



Collierville Powerhouse



Spicer Powerhouse



New Spicer Meadow Reservoir



McKays Point Reservoir



Collierville Tunnel



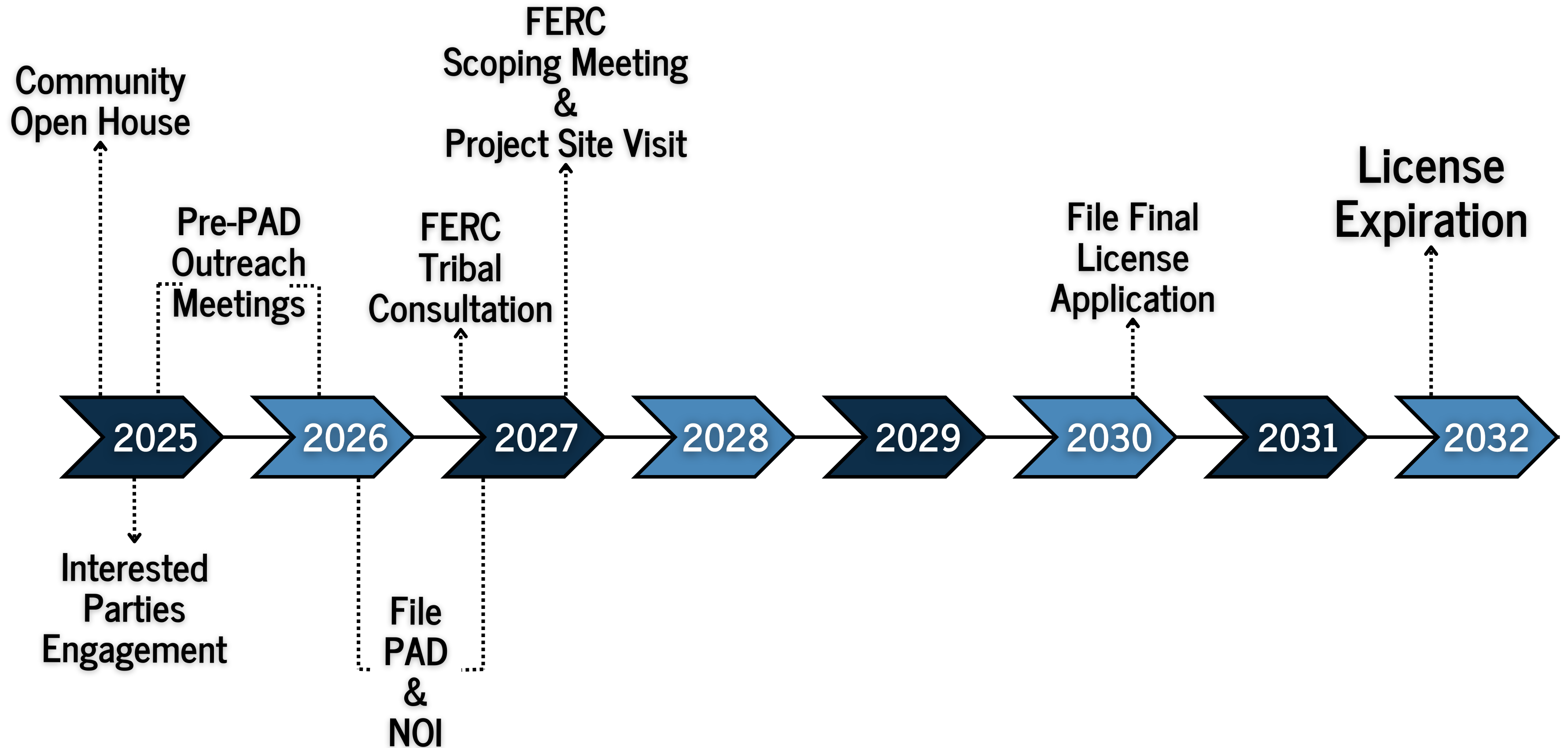


# FERC Project No. 2409

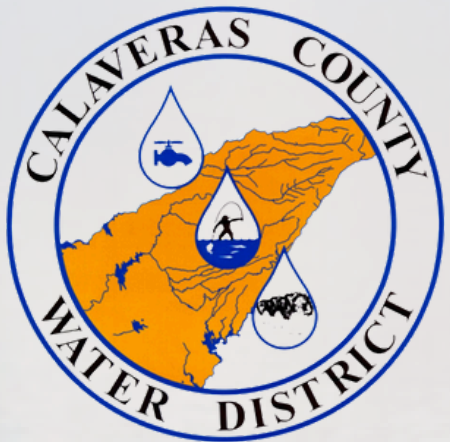
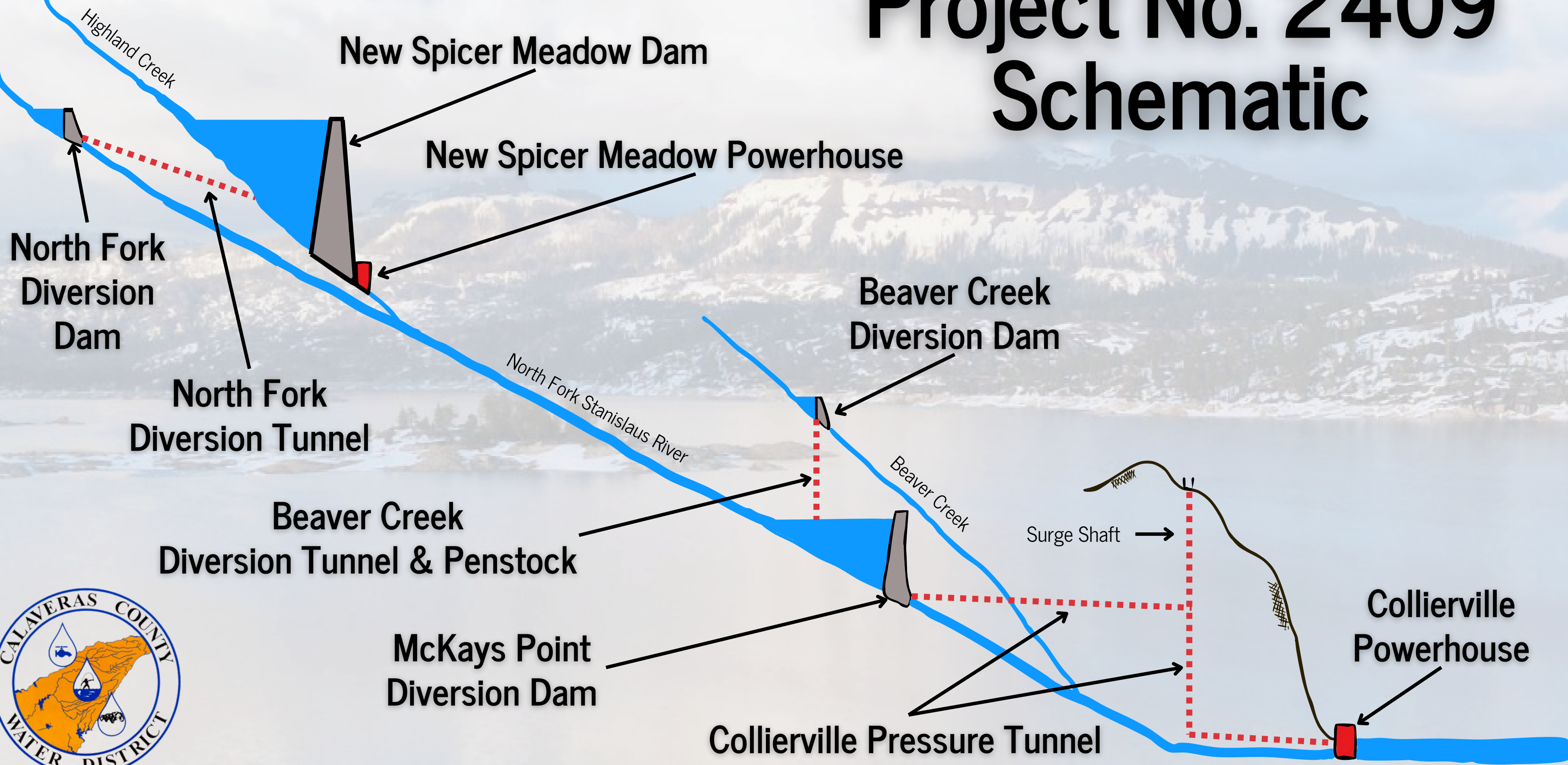
License Issued .....	1982
Project Construction.....	1985 - 1989
Project Commissioned .....	1990
License Expiration .....	2032

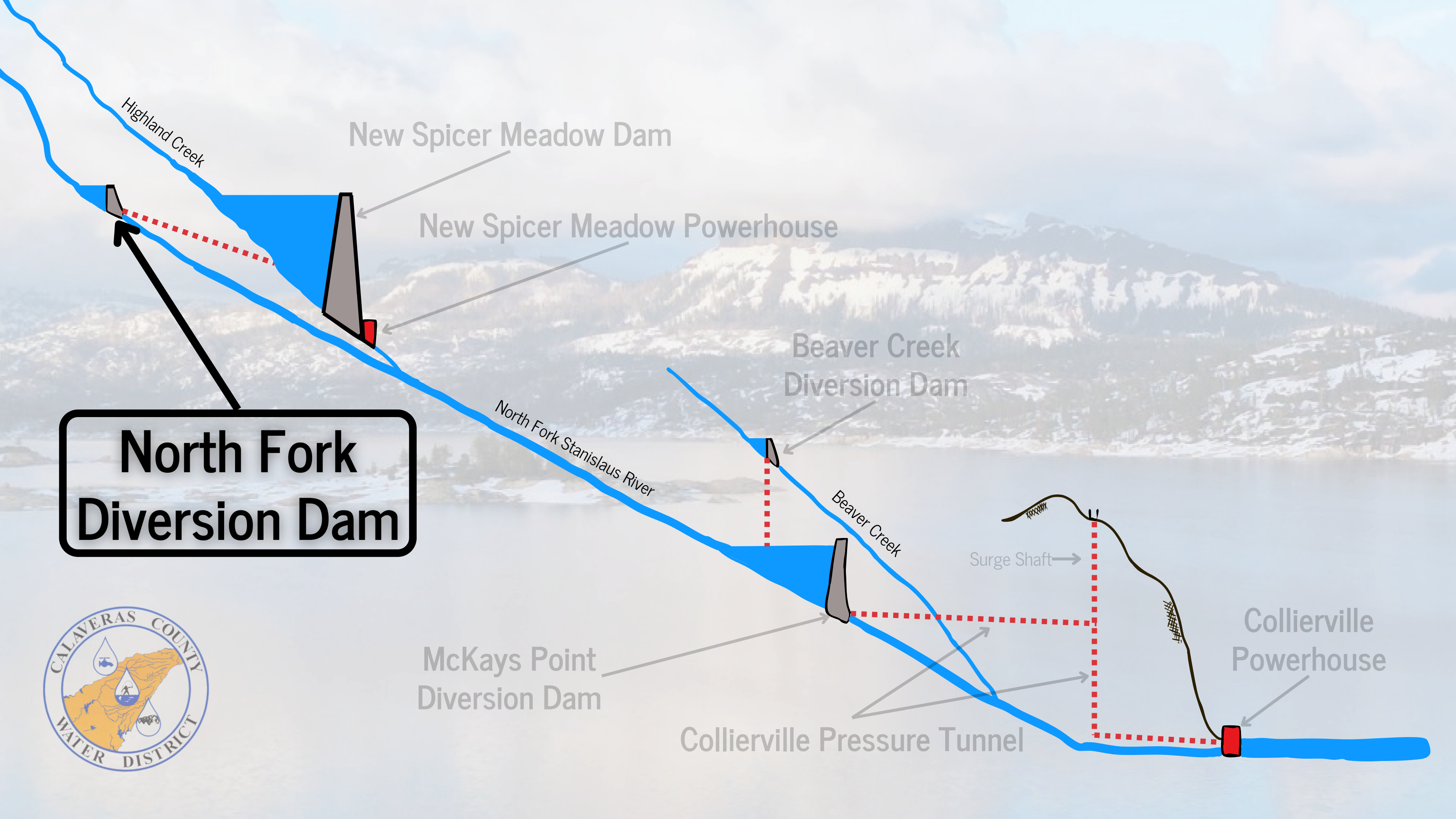


# Project 2409 Relicensing Timeline



# Project No. 2409 Schematic





Highland Creek

New Spicer Meadow Dam

New Spicer Meadow Powerhouse

Beaver Creek Diversion Dam

North Fork Stanislaus River

Beaver Creek

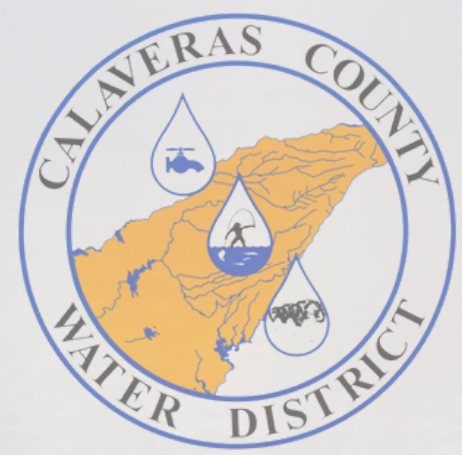
Surge Shaft

Collierville Powerhouse

McKays Point Diversion Dam

Collierville Pressure Tunnel

**North Fork Diversion Dam**





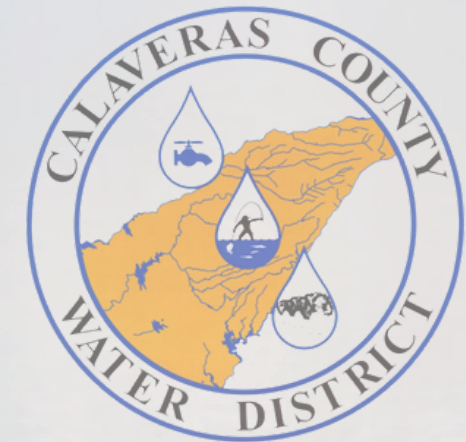
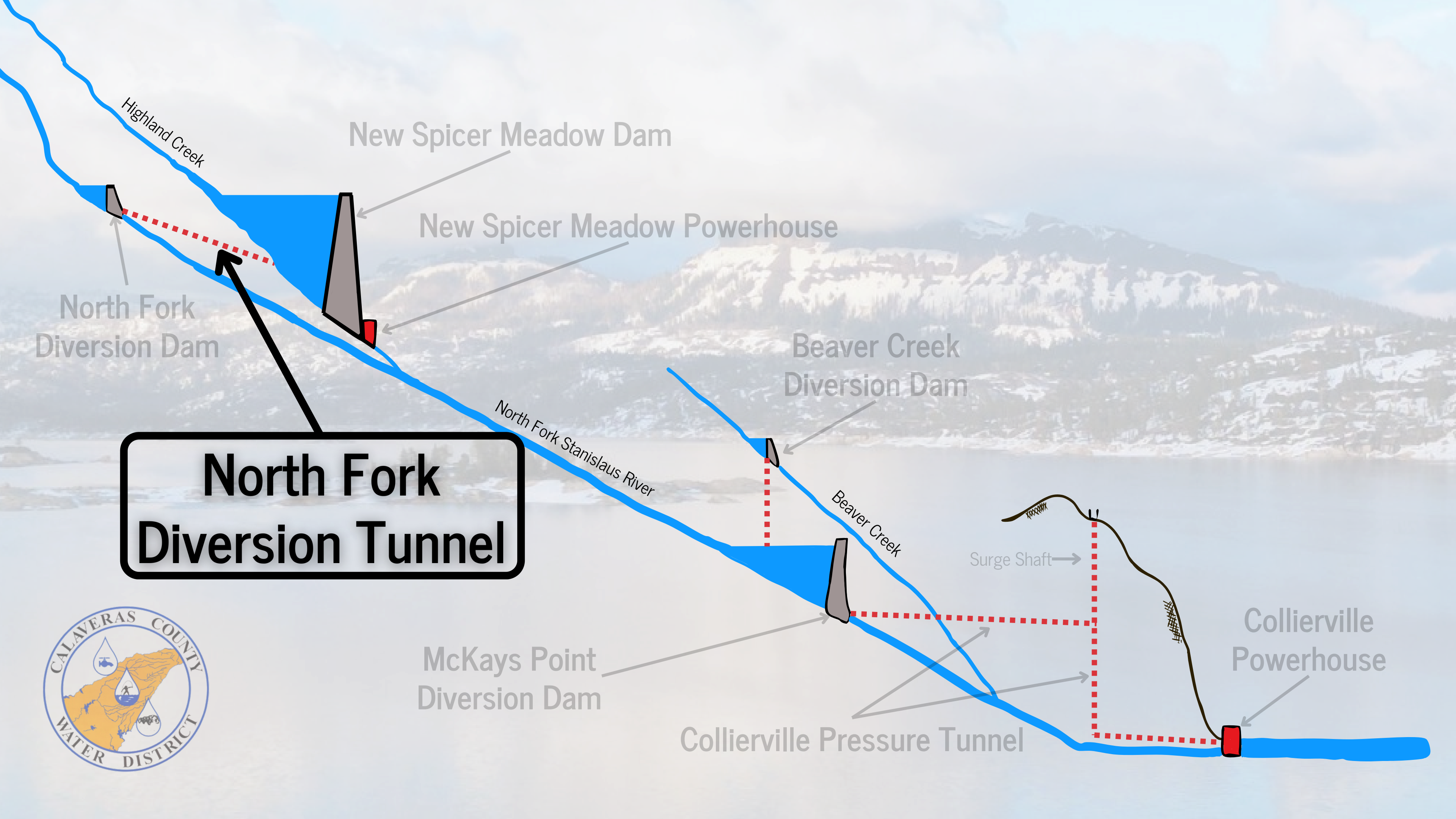
# North Fork Diversion Dam

Crest Elevation (feet) **6,707**

Storage Volume (acre feet) **120**

Height of Dam (feet) **53**

Length of Dam (feet) **178**



**North Fork  
Diversion Tunnel**

Highland Creek

North Fork  
Diversion Dam

New Spicer Meadow Dam

New Spicer Meadow Powerhouse

Beaver Creek  
Diversion Dam

North Fork Stanislaus River

Beaver Creek

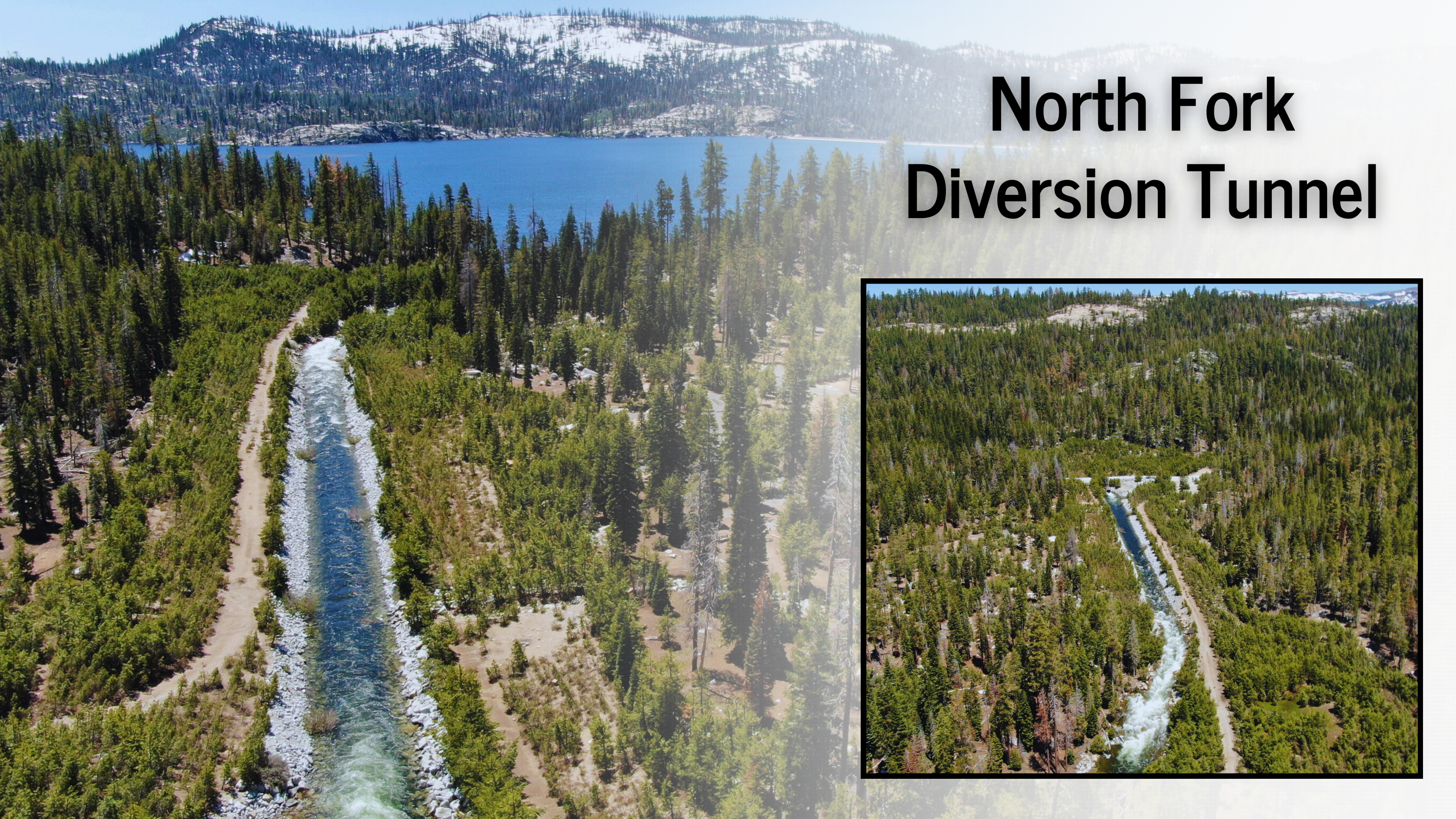
Surge Shaft

McKays Point  
Diversion Dam

Collierville  
Powerhouse

Collierville Pressure Tunnel

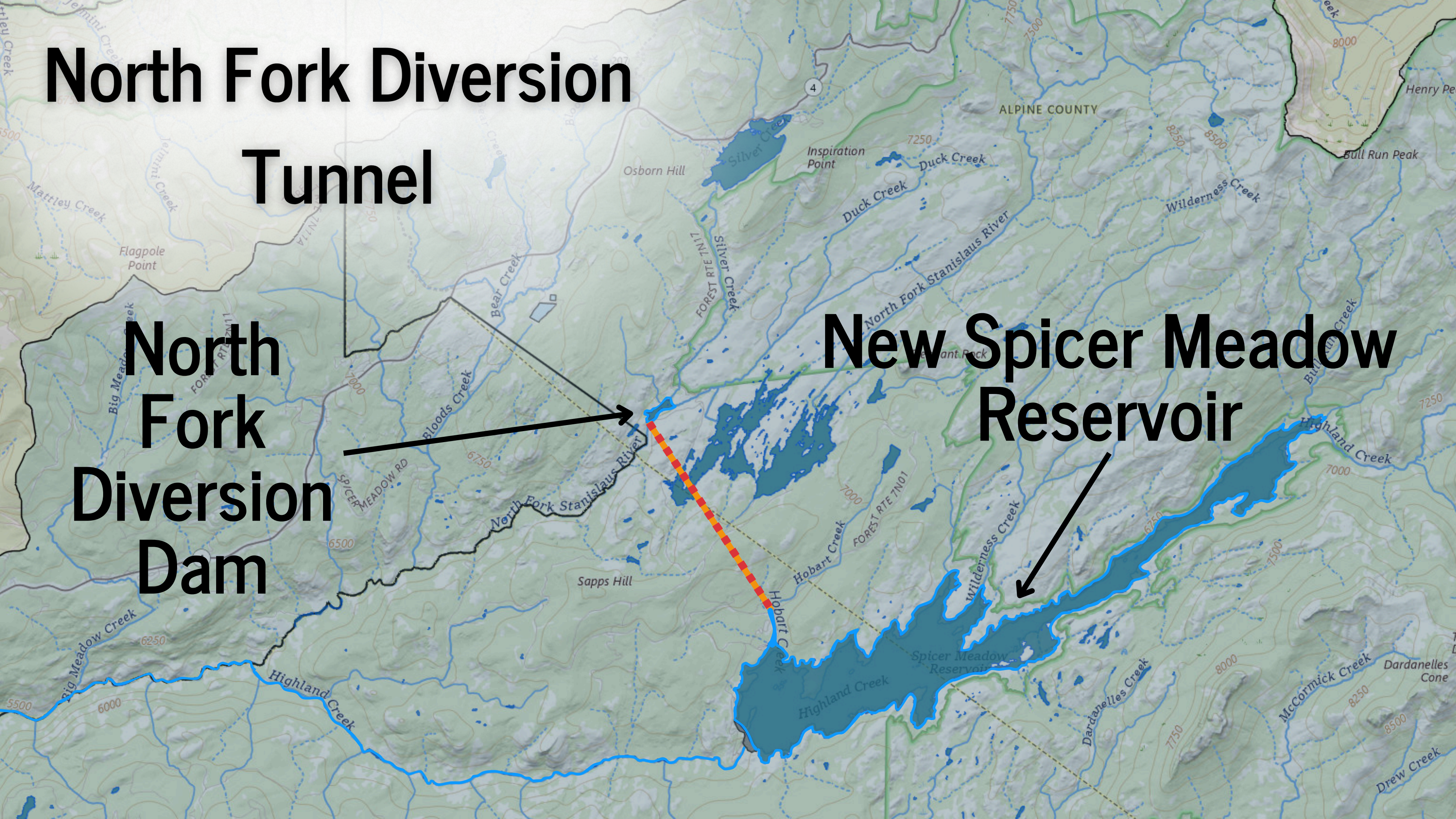
# North Fork Diversion Tunnel



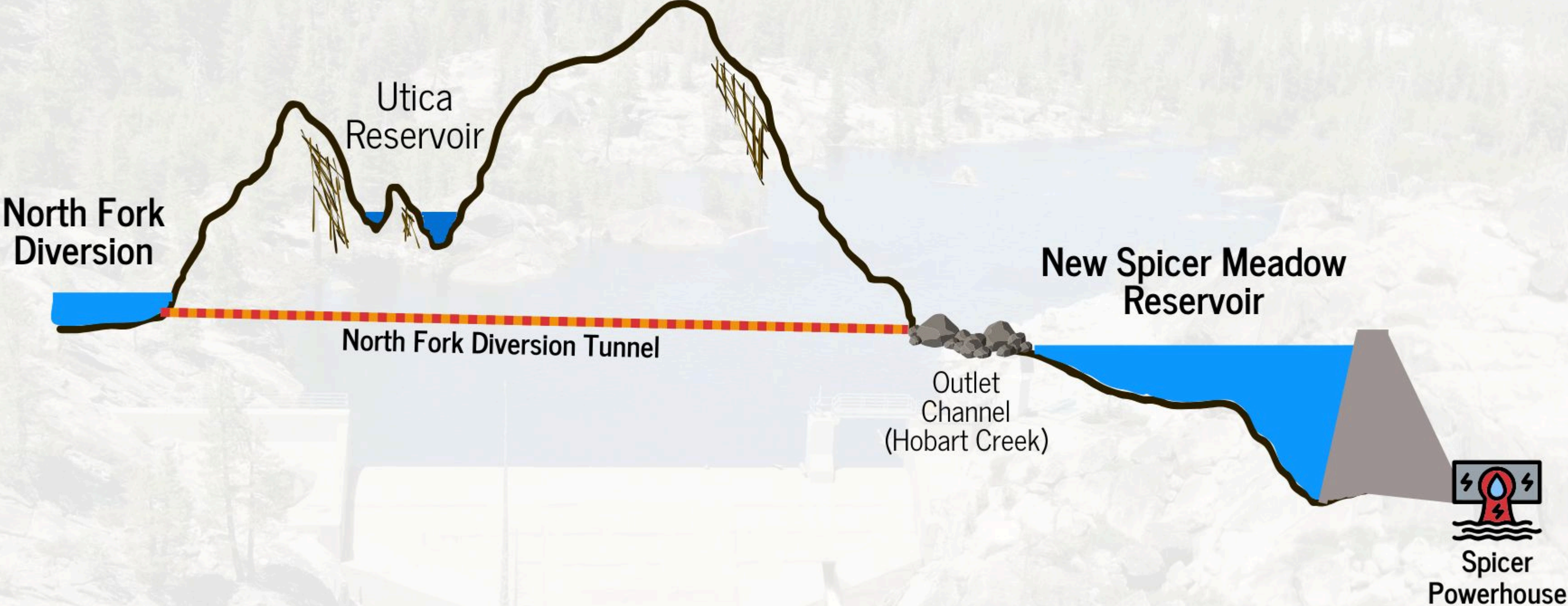
# North Fork Diversion Tunnel

North  
Fork  
Diversion  
Dam

New Spicer Meadow  
Reservoir

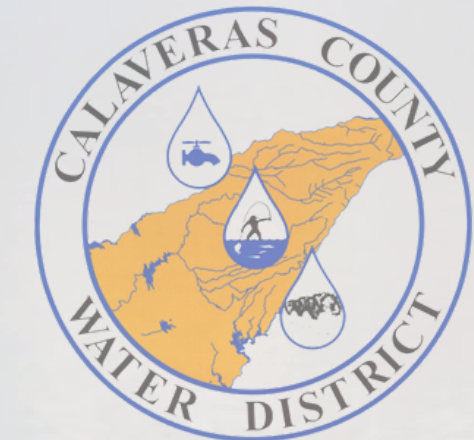
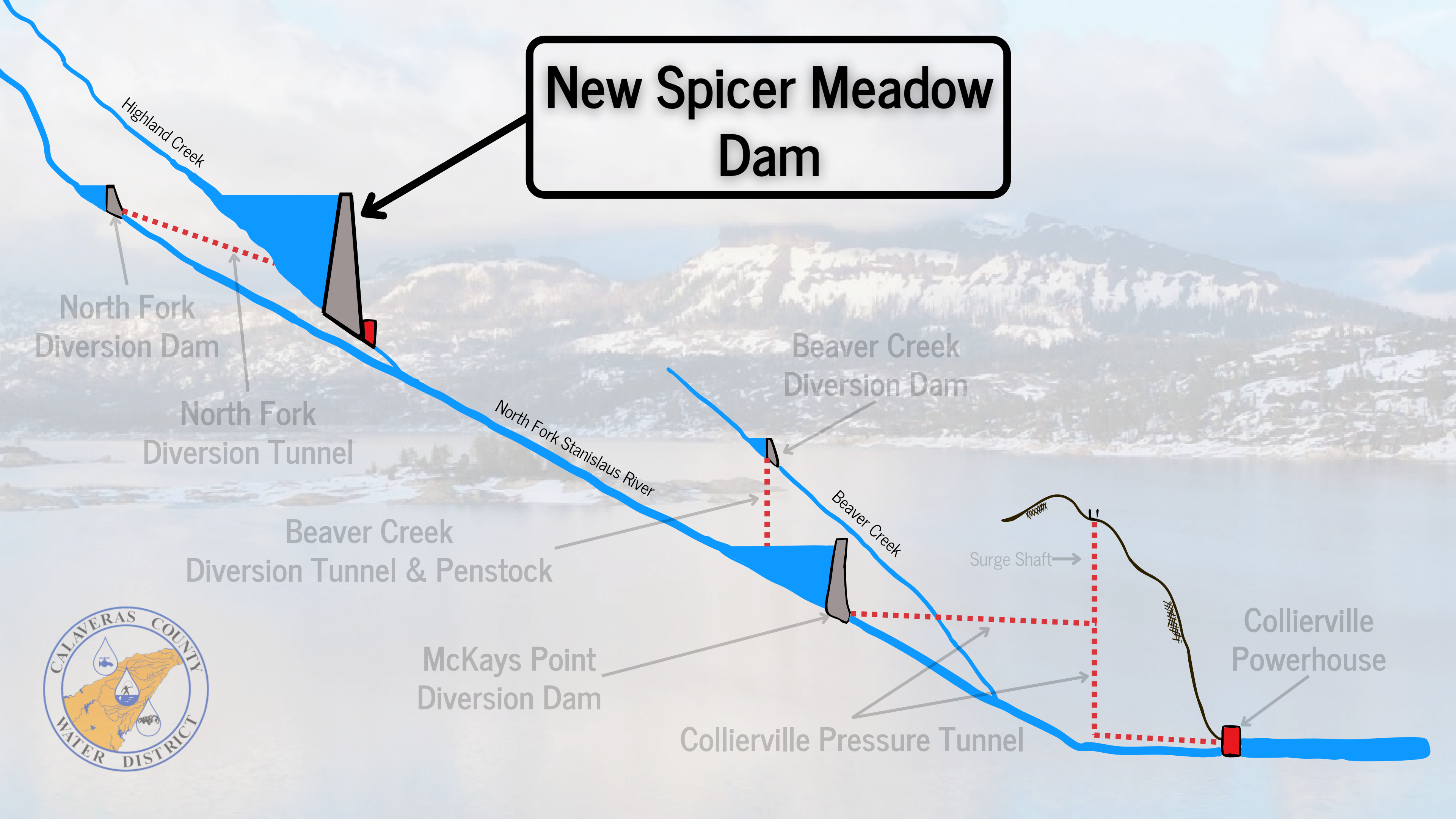


# North Fork Diversion Tunnel





# New Spicer Meadow Dam



North Fork Diversion Dam

North Fork Diversion Tunnel

Beaver Creek Diversion Tunnel & Penstock

McKays Point Diversion Dam

Collierville Pressure Tunnel

Collierville Powerhouse

Surge Shaft

Highland Creek

North Fork Stanislaus River

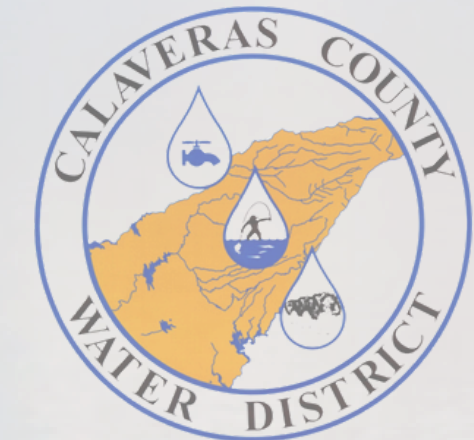
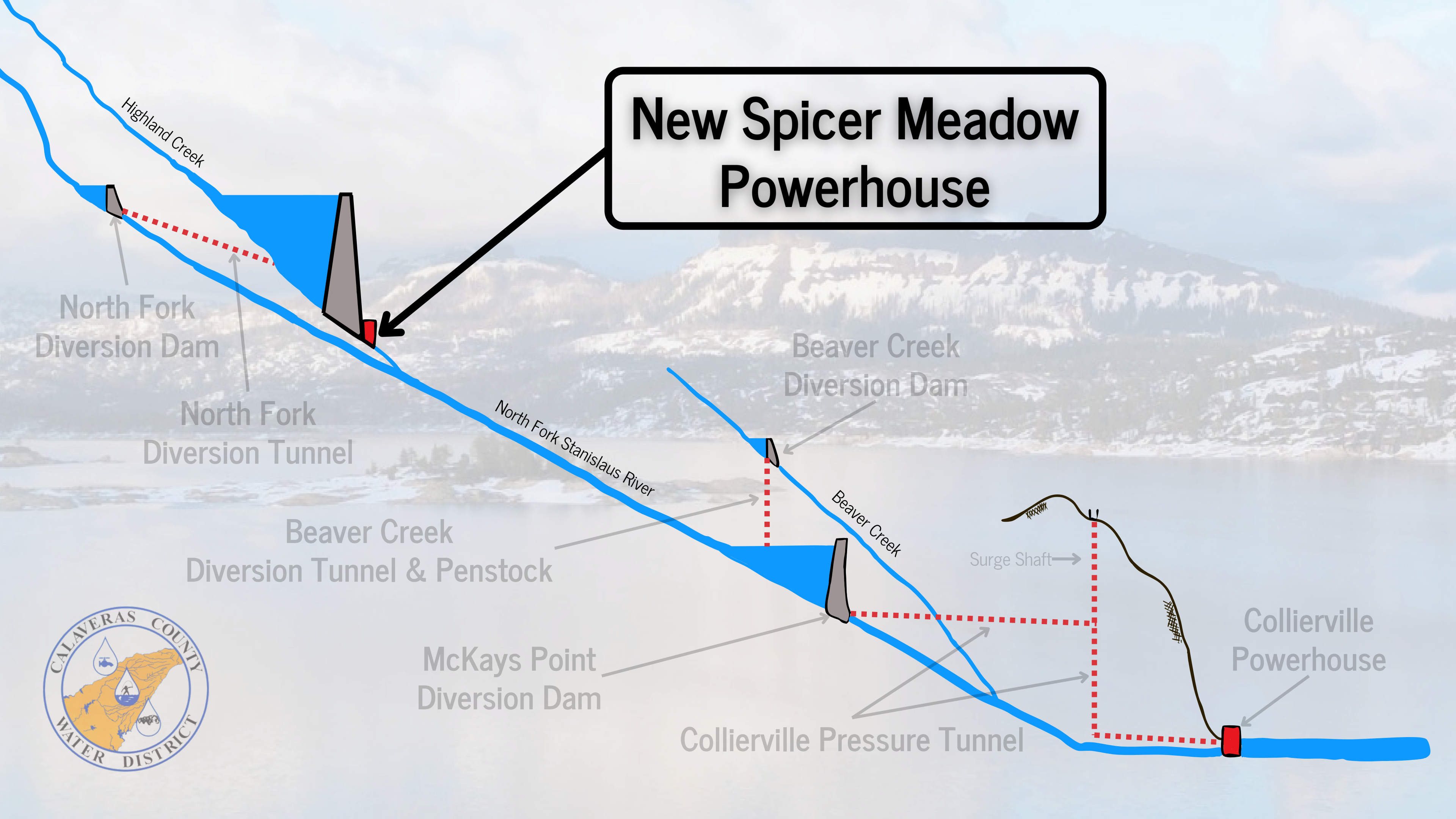
Beaver Creek Diversion Dam

Beaver Creek

# New Spicer Meadow Reservoir & Dam

Crest Elevation (feet)	<b>6,621</b>
Storage Volume (acre feet)	<b>189,000</b>
Height of Dam (feet)	<b>265</b>
Length of Dam (feet)	<b>2,100</b>

# New Spicer Meadow Powerhouse



Highland Creek

North Fork Diversion Dam

North Fork Diversion Tunnel

Beaver Creek Diversion Tunnel & Penstock

McKays Point Diversion Dam

Collierville Pressure Tunnel

Beaver Creek Diversion Dam

Surge Shaft

Collierville Powerhouse

North Fork Stanislaus River

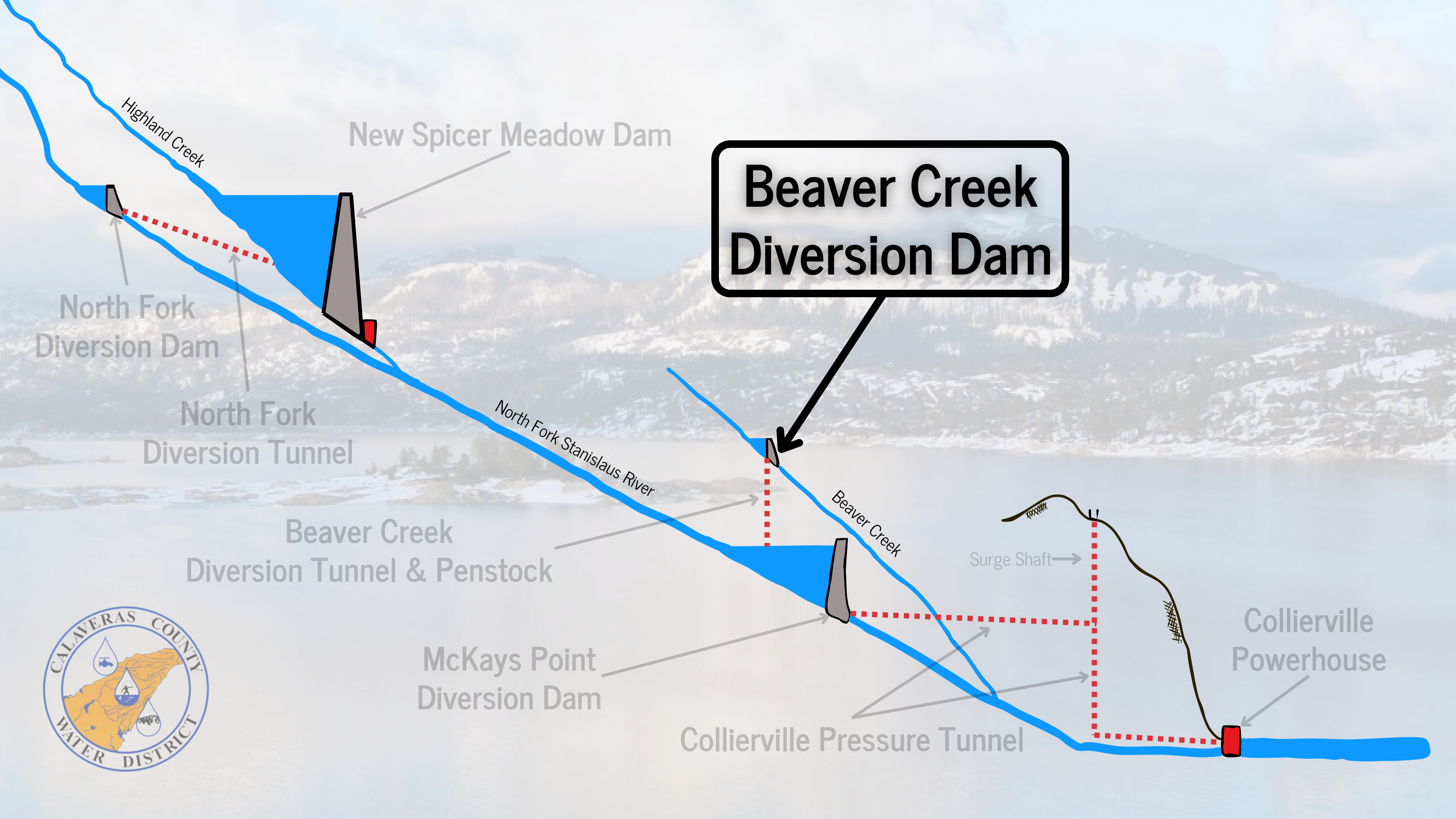
Beaver Creek



# New Spicer Meadow Powerhouse

**3** Generating Units

**5.7 MW**



**Beaver Creek  
Diversion Dam**

Highland Creek

New Spicer Meadow Dam

North Fork  
Diversion Dam

North Fork  
Diversion Tunnel

North Fork Stanislaus River

Beaver Creek  
Diversion Tunnel & Penstock

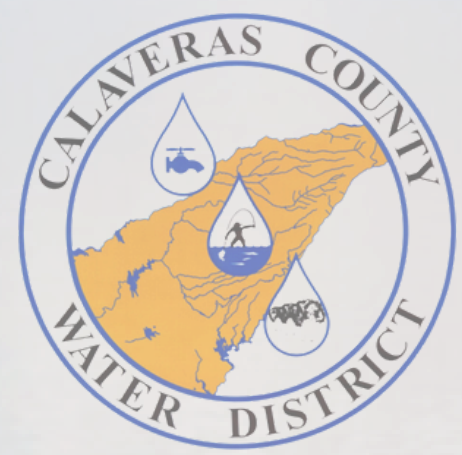
Beaver Creek

Surge Shaft

McKays Point  
Diversion Dam

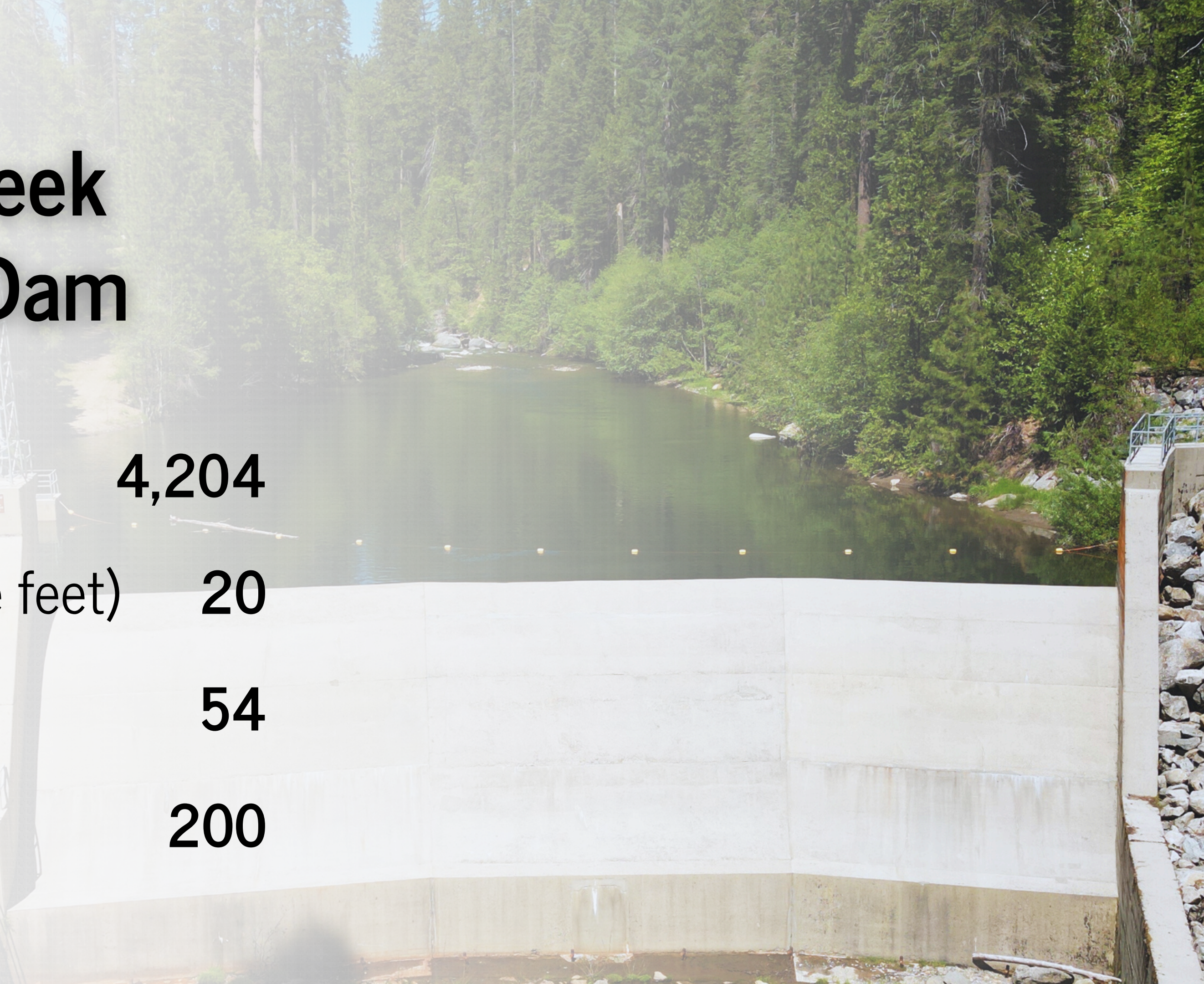
Collierville  
Powerhouse

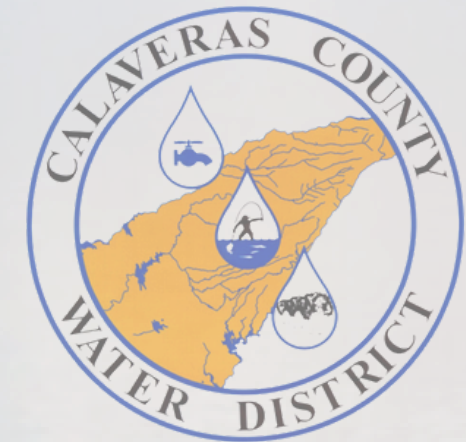
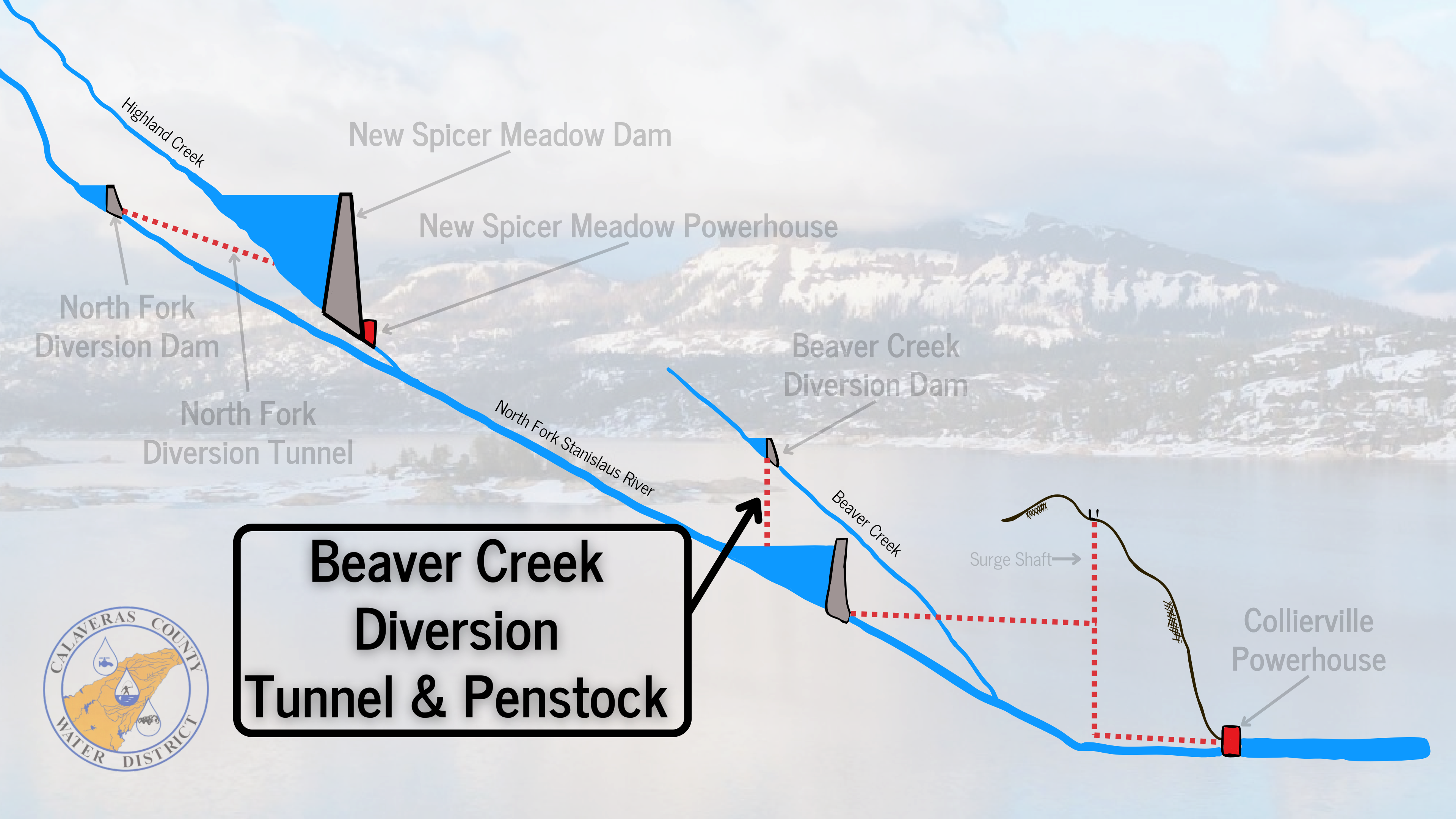
Collierville Pressure Tunnel



# Beaver Creek Diversion Dam

Crest Elevation (feet)	<b>4,204</b>
Storage Volume (acre feet)	<b>20</b>
Height of Dam (feet)	<b>54</b>
Length of Dam (feet)	<b>200</b>





# Beaver Creek Diversion Tunnel & Penstock

Highland Creek

North Fork  
Diversion Dam

North Fork  
Diversion Tunnel

New Spicer Meadow Dam

New Spicer Meadow Powerhouse

North Fork Stanislaus River

Beaver Creek  
Diversion Dam

Beaver Creek

Surge Shaft

Collierville  
Powerhouse



Beaver Creek Diversion



North Fork Diversion



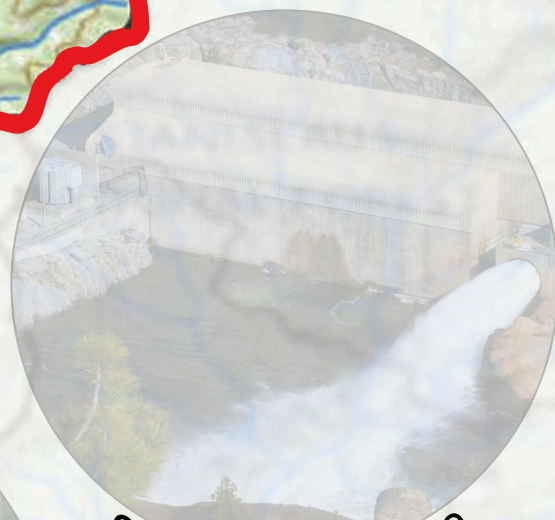
Beaver Creek Diversion Penstock



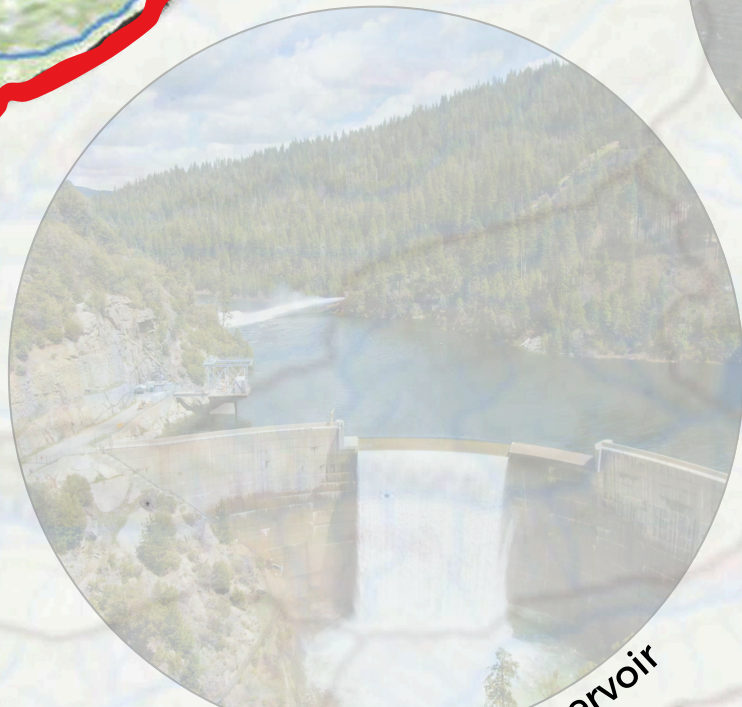
North Fork Diversion Tunnel



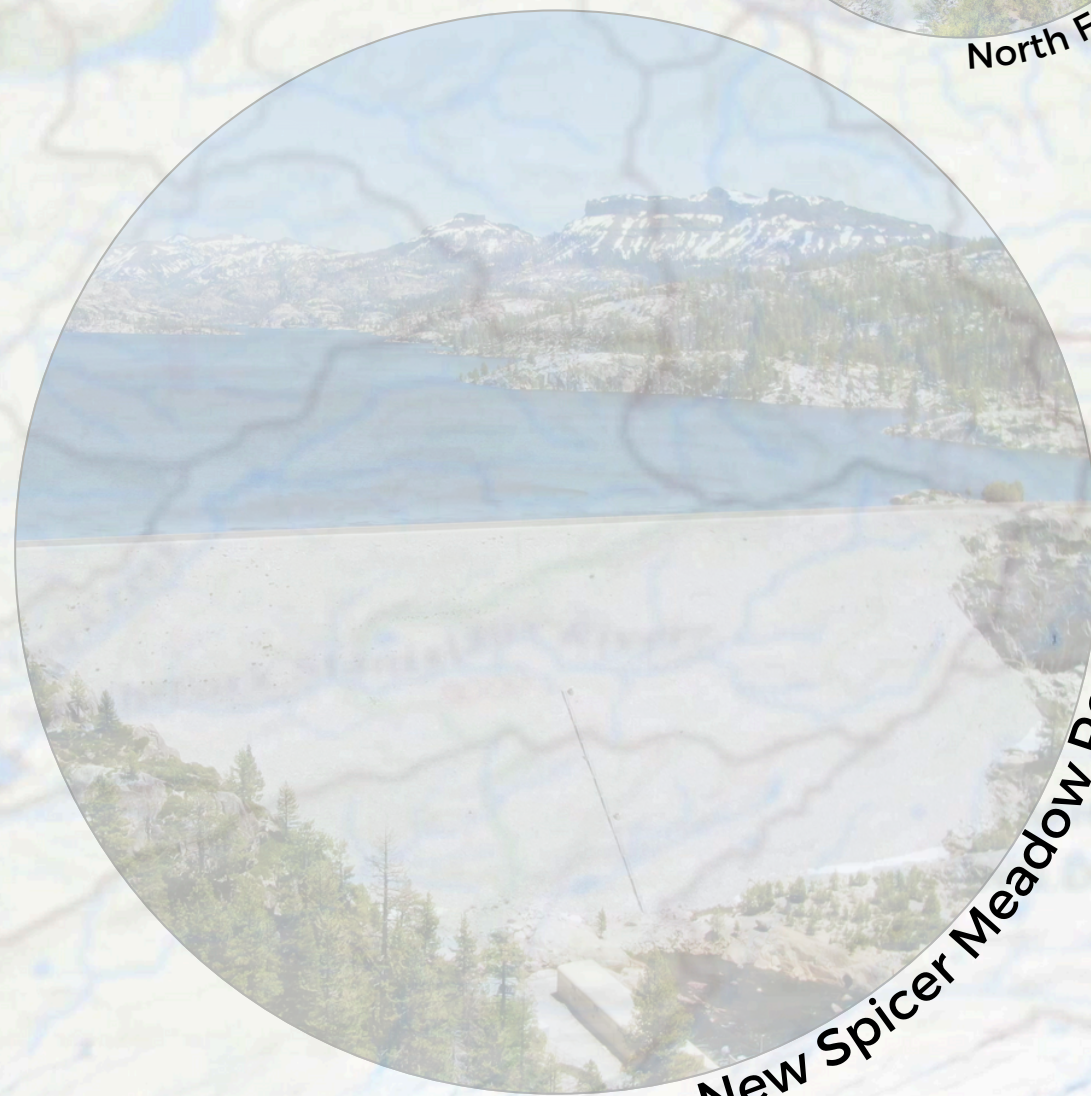
Collierville Powerhouse



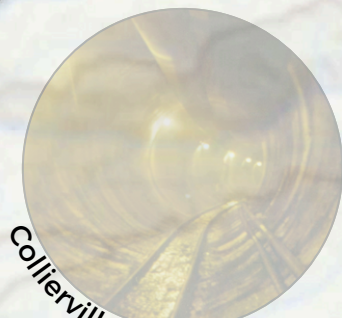
Spicer Powerhouse



McKays Point Reservoir



New Spicer Meadow Reservoir



Collierville Tunnel



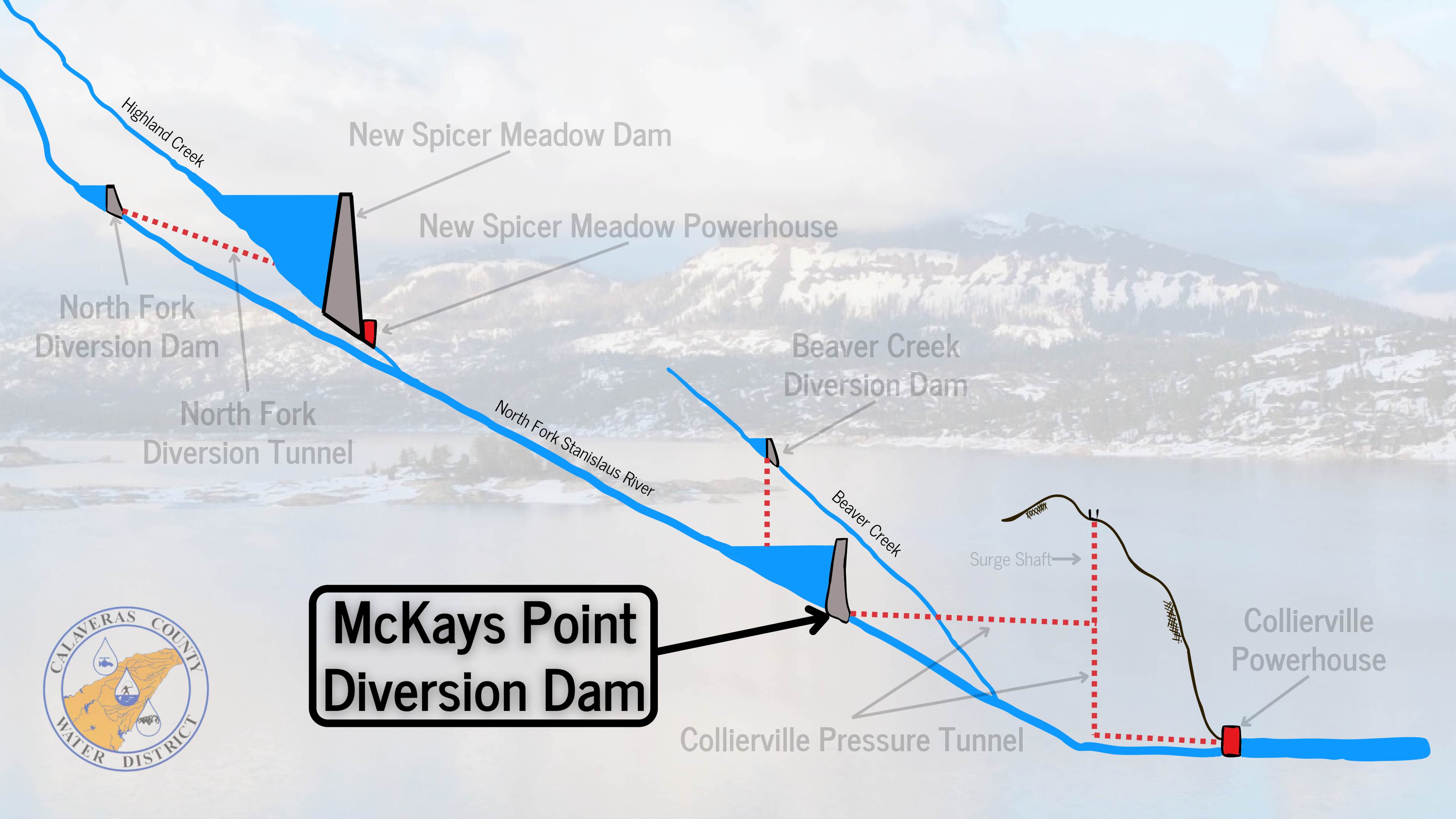




# McKays Point Reservoir

# Beaver Creek Diversion





Highland Creek

New Spicer Meadow Dam

New Spicer Meadow Powerhouse

North Fork Diversion Dam

North Fork Diversion Tunnel

North Fork Stanislaus River

Beaver Creek Diversion Dam

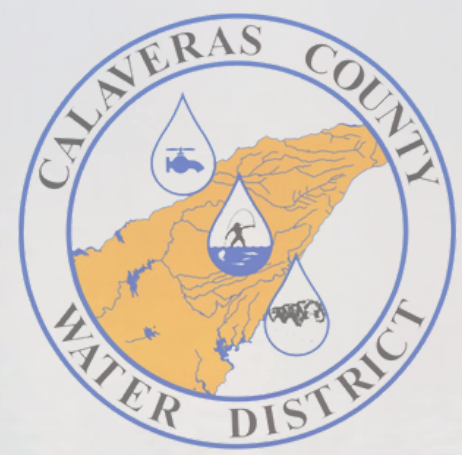
Beaver Creek

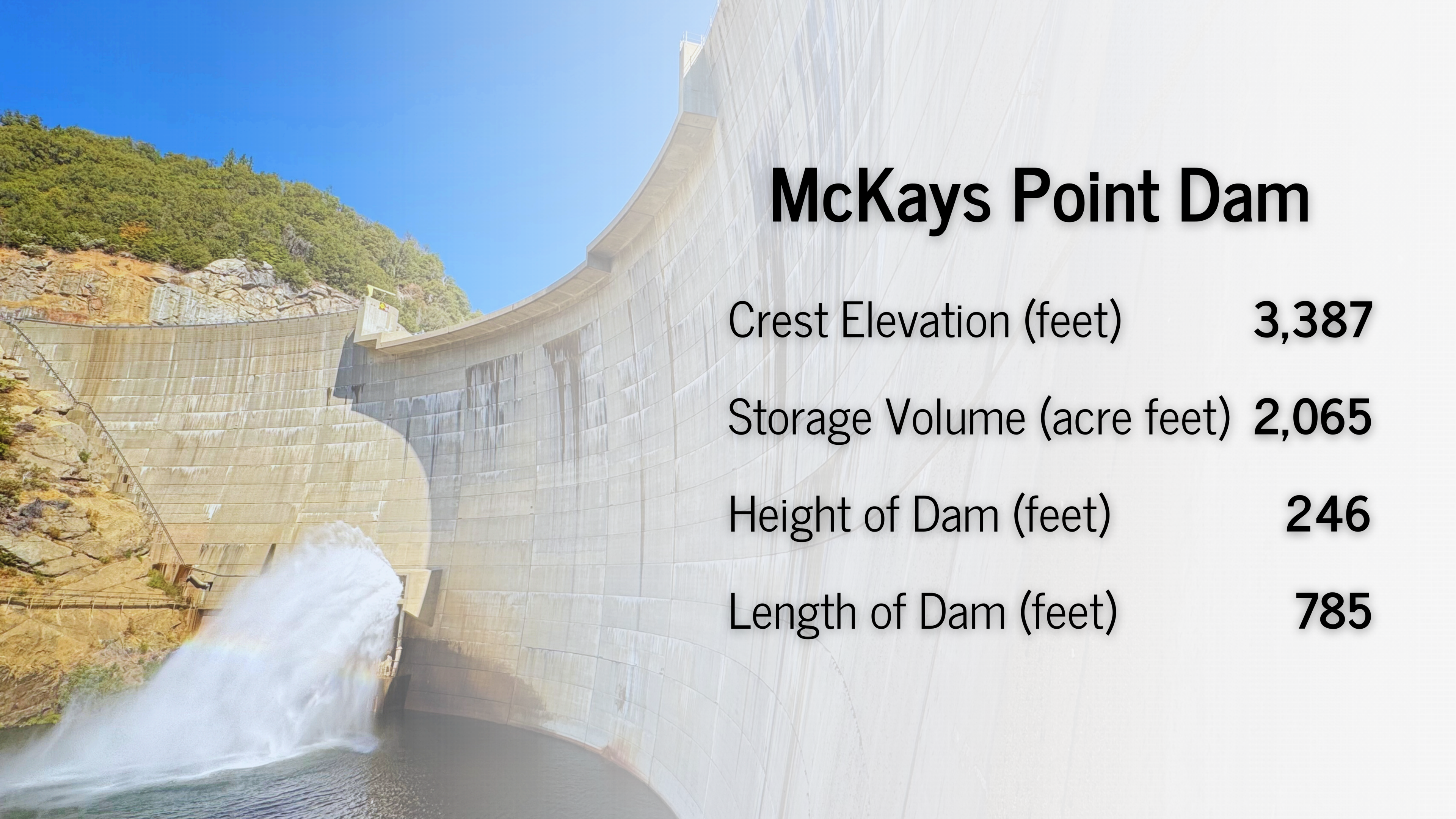
Surge Shaft

Collierville Powerhouse

**McKays Point Diversion Dam**

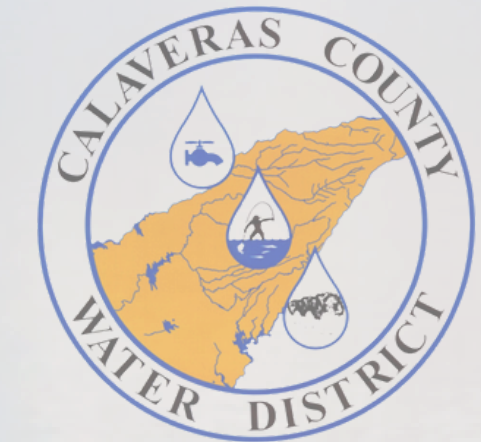
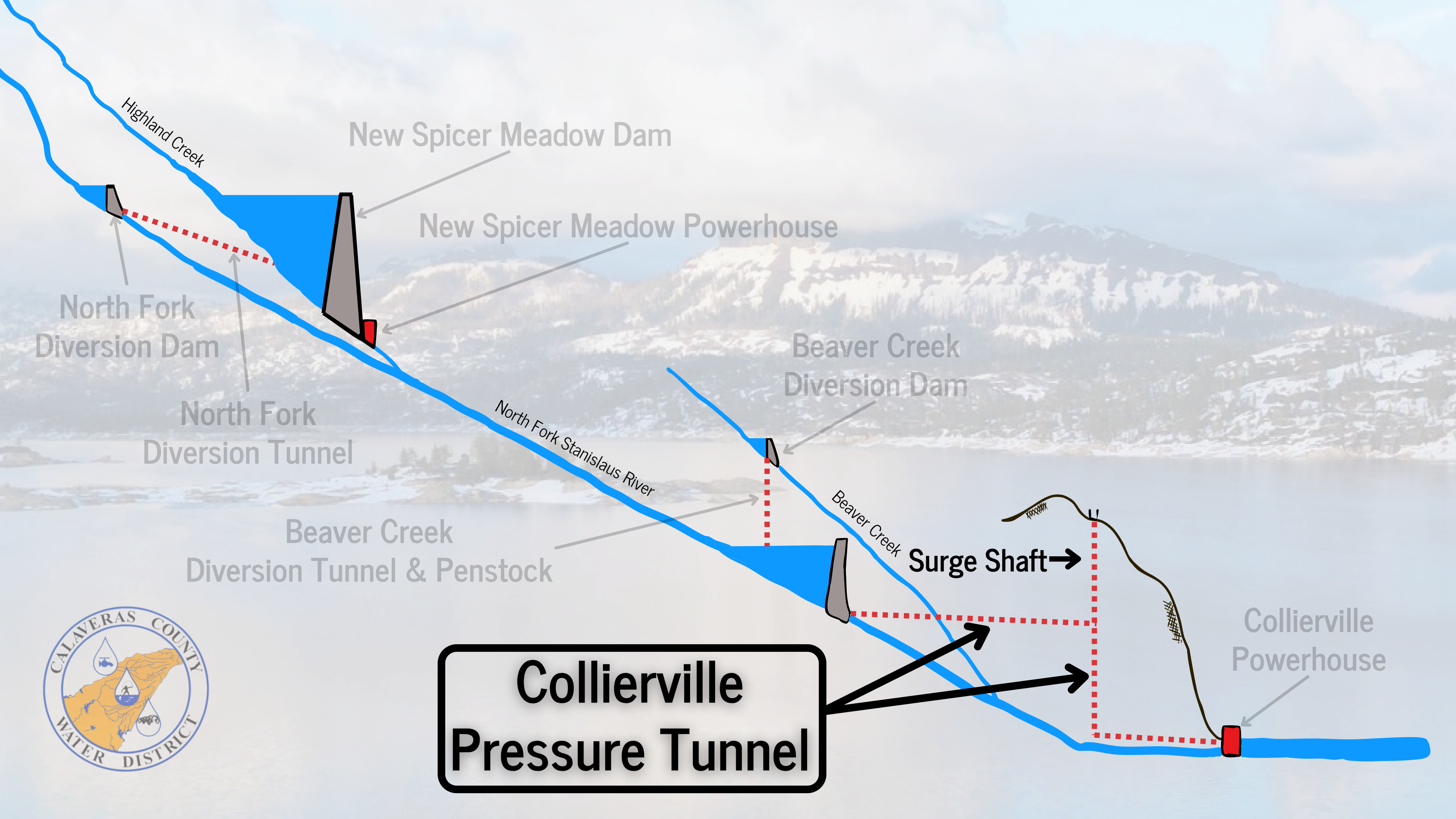
Collierville Pressure Tunnel





# McKays Point Dam

Crest Elevation (feet)	<b>3,387</b>
Storage Volume (acre feet)	<b>2,065</b>
Height of Dam (feet)	<b>246</b>
Length of Dam (feet)	<b>785</b>



Highland Creek

New Spicer Meadow Dam

New Spicer Meadow Powerhouse

North Fork Diversion Dam

North Fork Diversion Tunnel

Beaver Creek Diversion Dam

North Fork Stanislaus River

Beaver Creek Diversion Tunnel & Penstock

Surge Shaft →

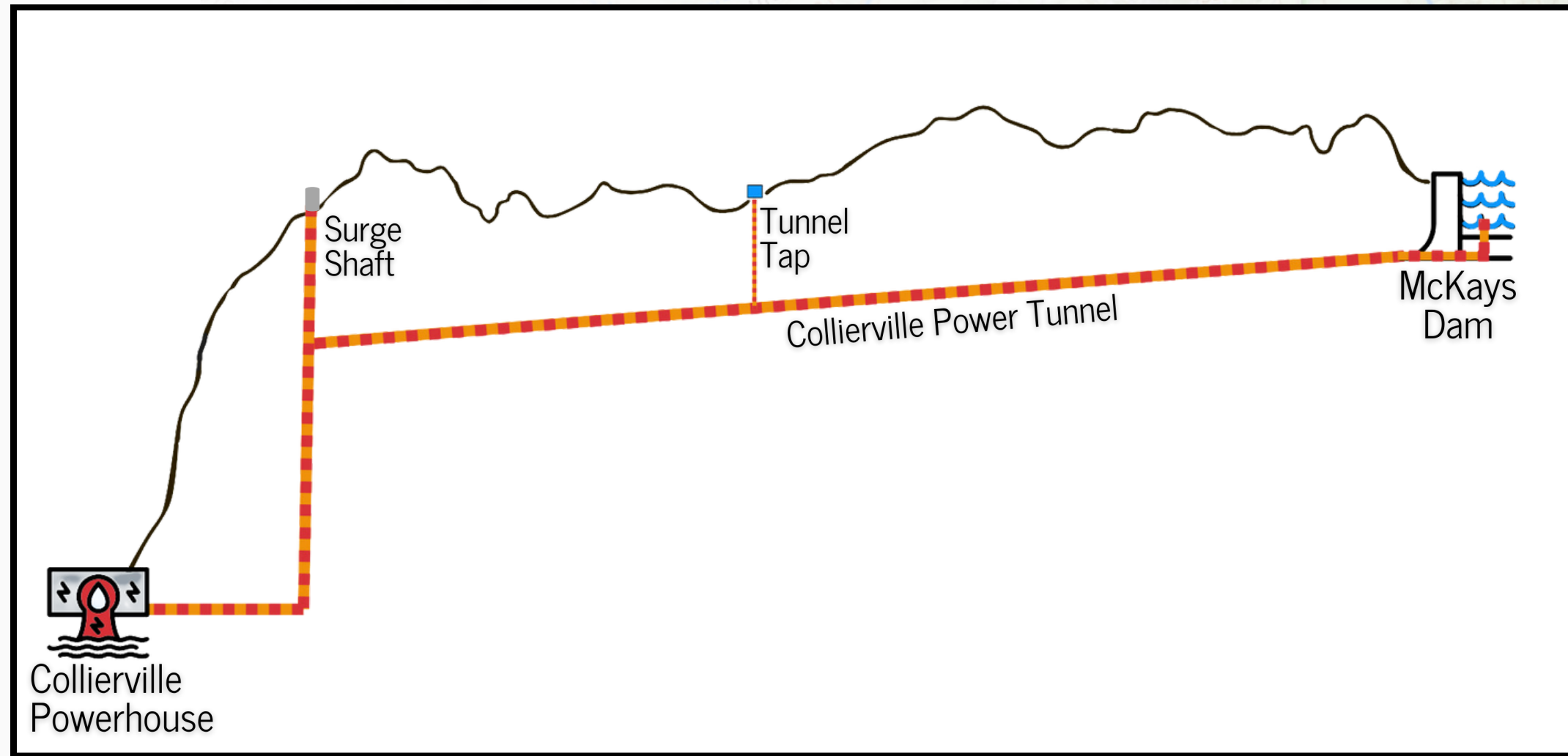
Collierville Powerhouse

**Collierville Pressure Tunnel**



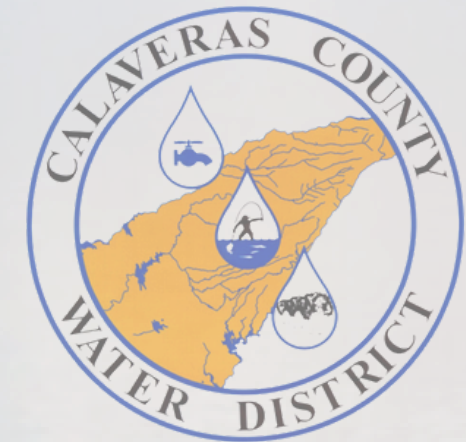
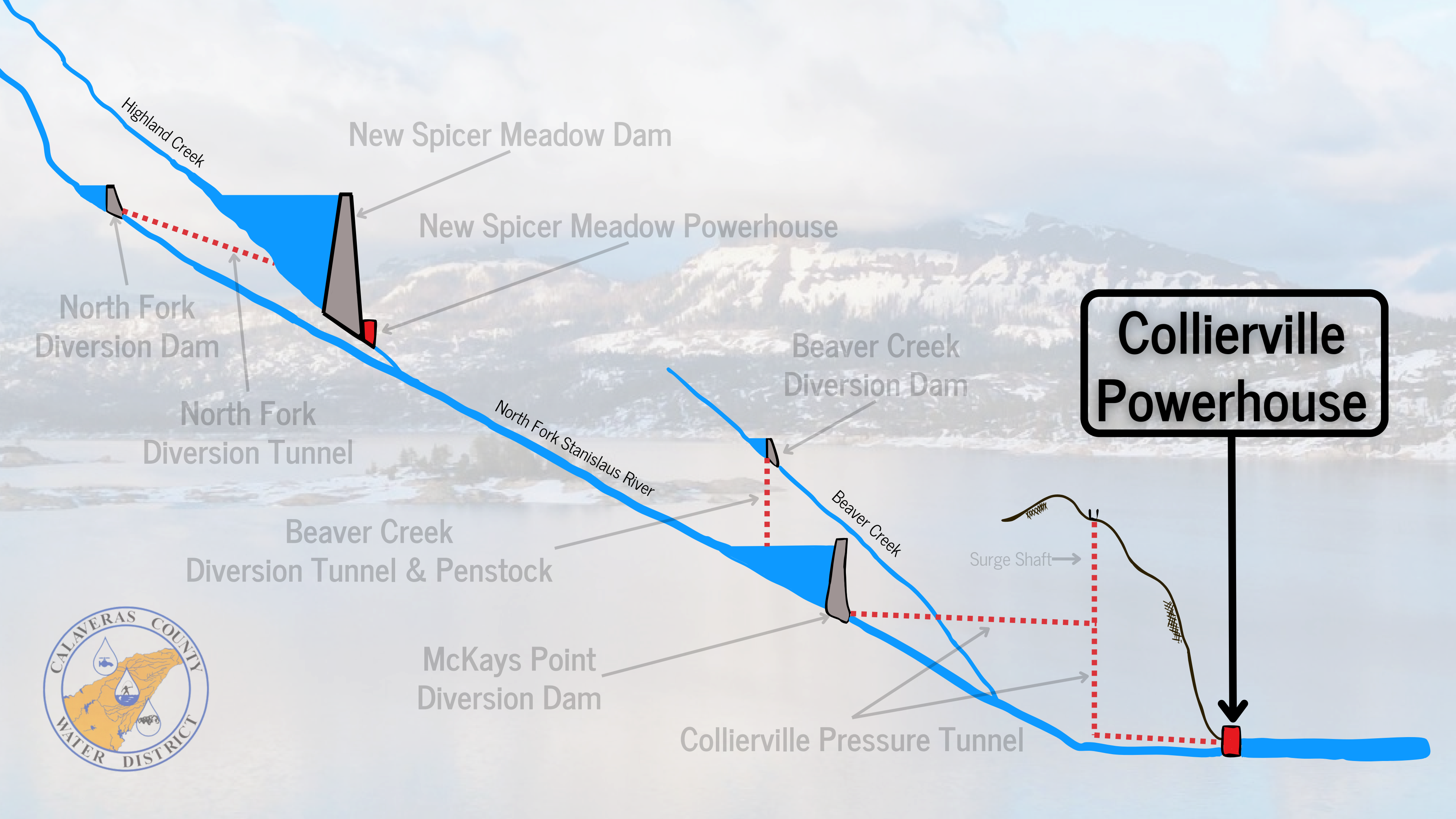
**Collierville  
Power Tunnel  
Intake**





A topographic map showing the route of the Collierville Power Tunnel. The tunnel is depicted as a red and yellow dashed line starting from a red dot at the "Collierville Powerhouse" (indicated by an arrow) and ending at a blue dot at "McKays Point Reservoir" (indicated by an arrow). The map shows the Middle Fork Stanislaus River and various creeks including Mill Creek, Love Creek, Doud Hill, North Fork Stanislaus, Beaver Creek, Griswold Creek, McCormick Creek, and San Antonio Creek. Contour lines indicate elevation, with labels such as 3000, 3500, 4000, 4500, and 5000. Road names like EBBETTS PASS HWY, MORAN RD, CANDY ROCK RD, FULLEN RD, and various FOREST RTEs are also visible.

# Collierville Power Tunnel



**Collierville  
Powerhouse**

Highland Creek

North Fork  
Diversion Dam

North Fork  
Diversion Tunnel

Beaver Creek  
Diversion Tunnel & Penstock

McKays Point  
Diversion Dam

Collierville Pressure Tunnel

New Spicer Meadow Dam

New Spicer Meadow Powerhouse

Beaver Creek  
Diversion Dam

North Fork Stanislaus River

Beaver Creek

Surge Shaft

# Collierville Powerhouse

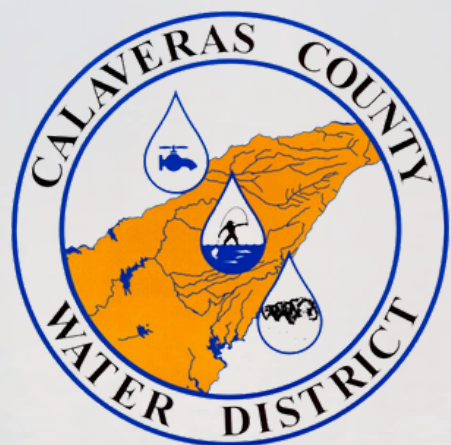
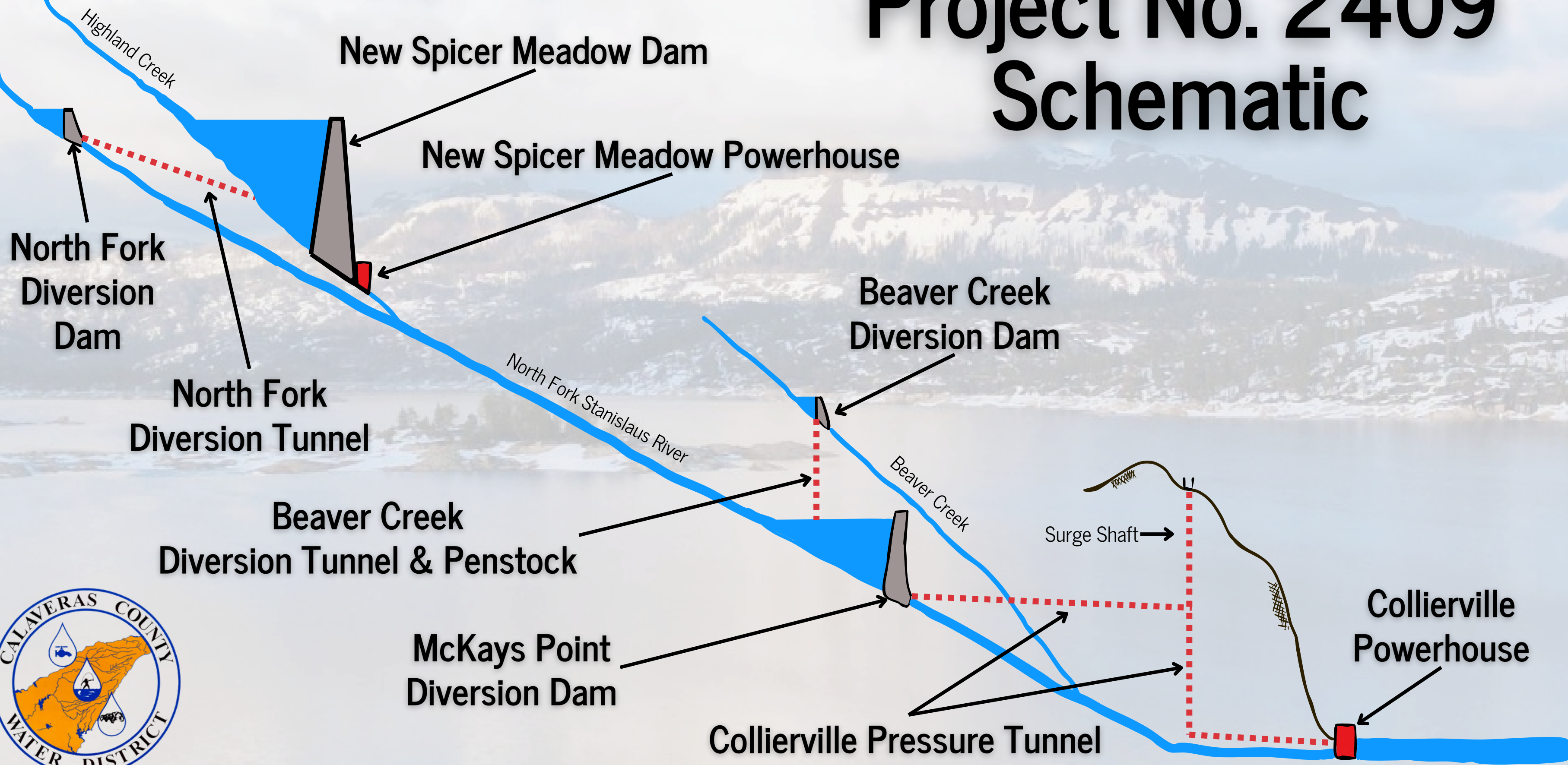
2 Generating Units

253 MW

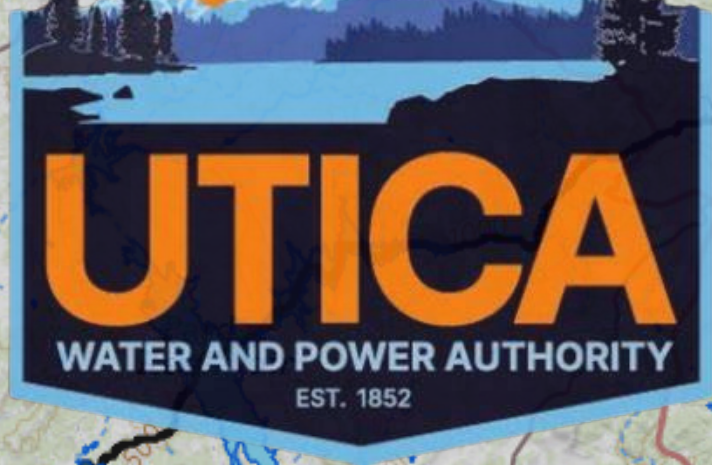
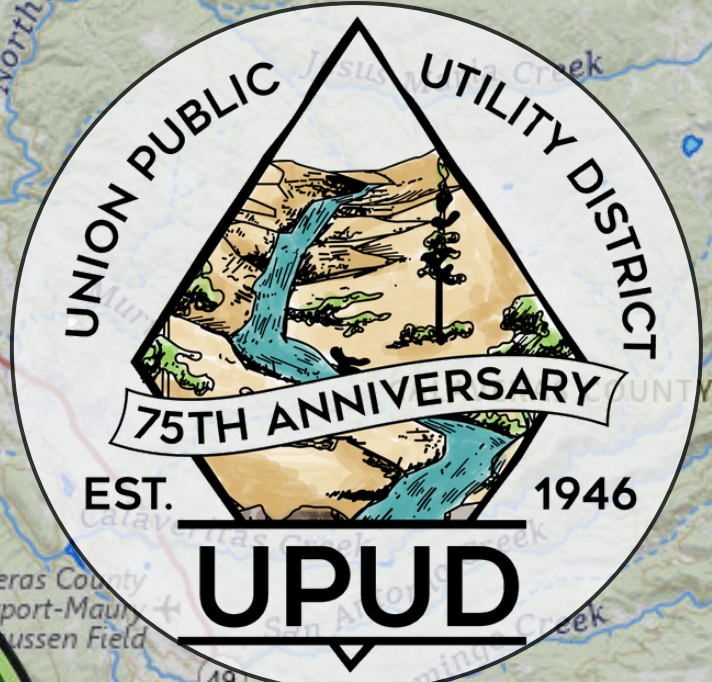
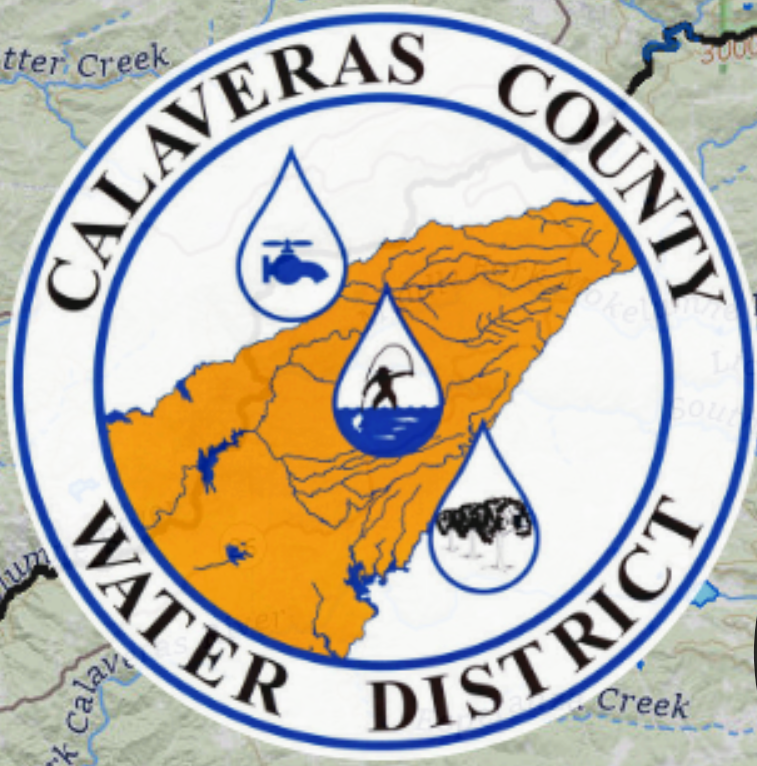
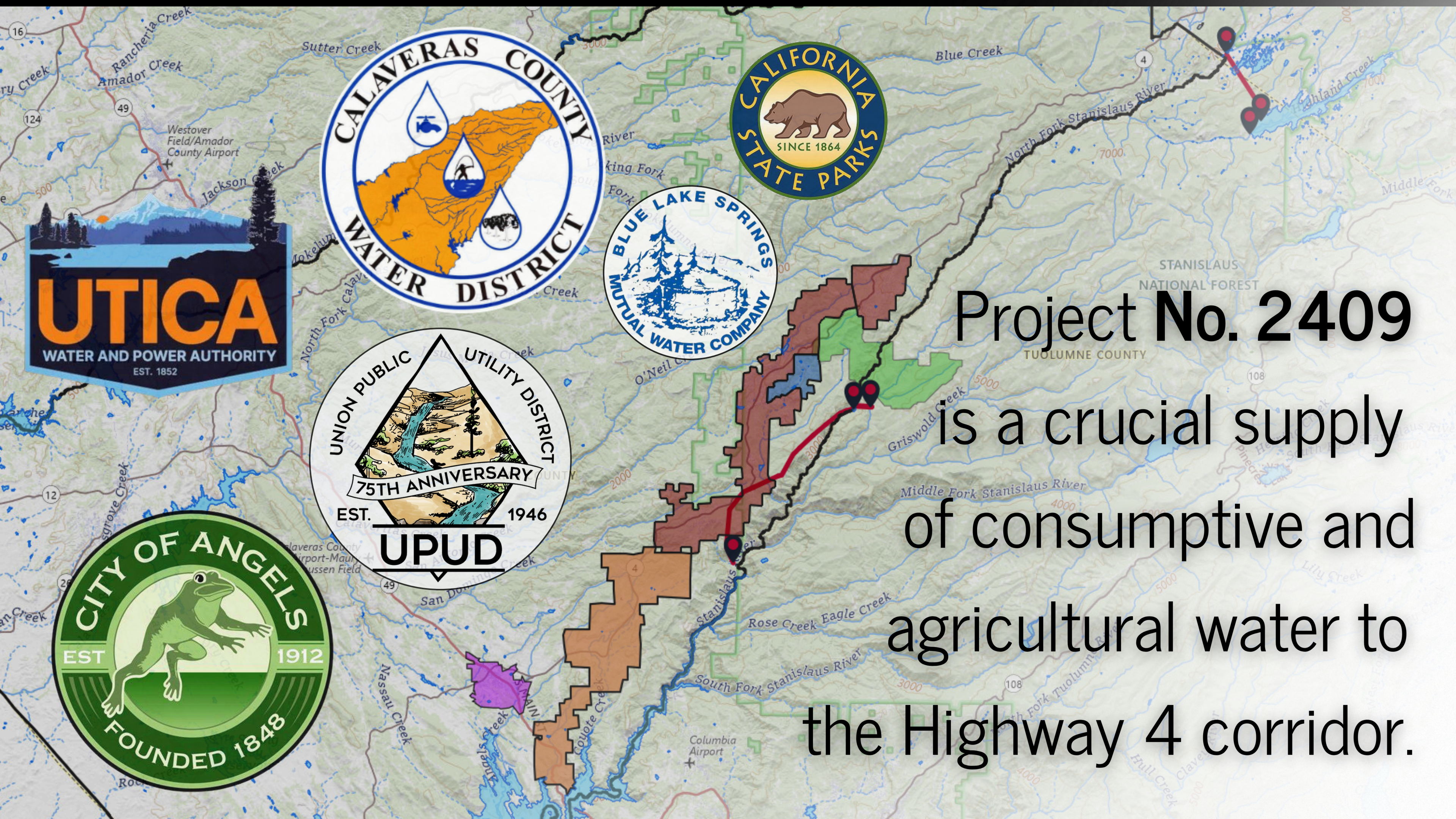




# Project No. 2409 Schematic





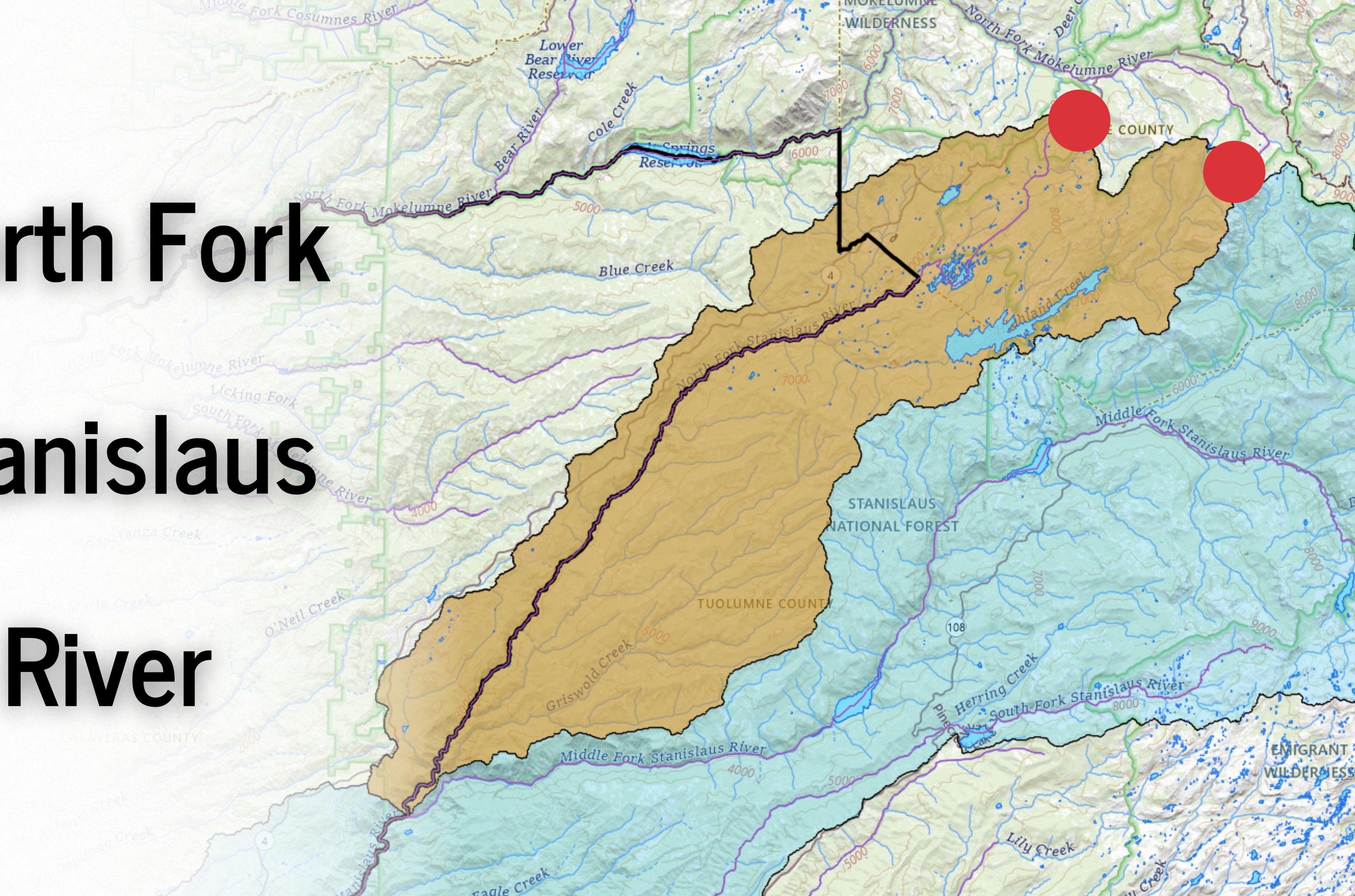


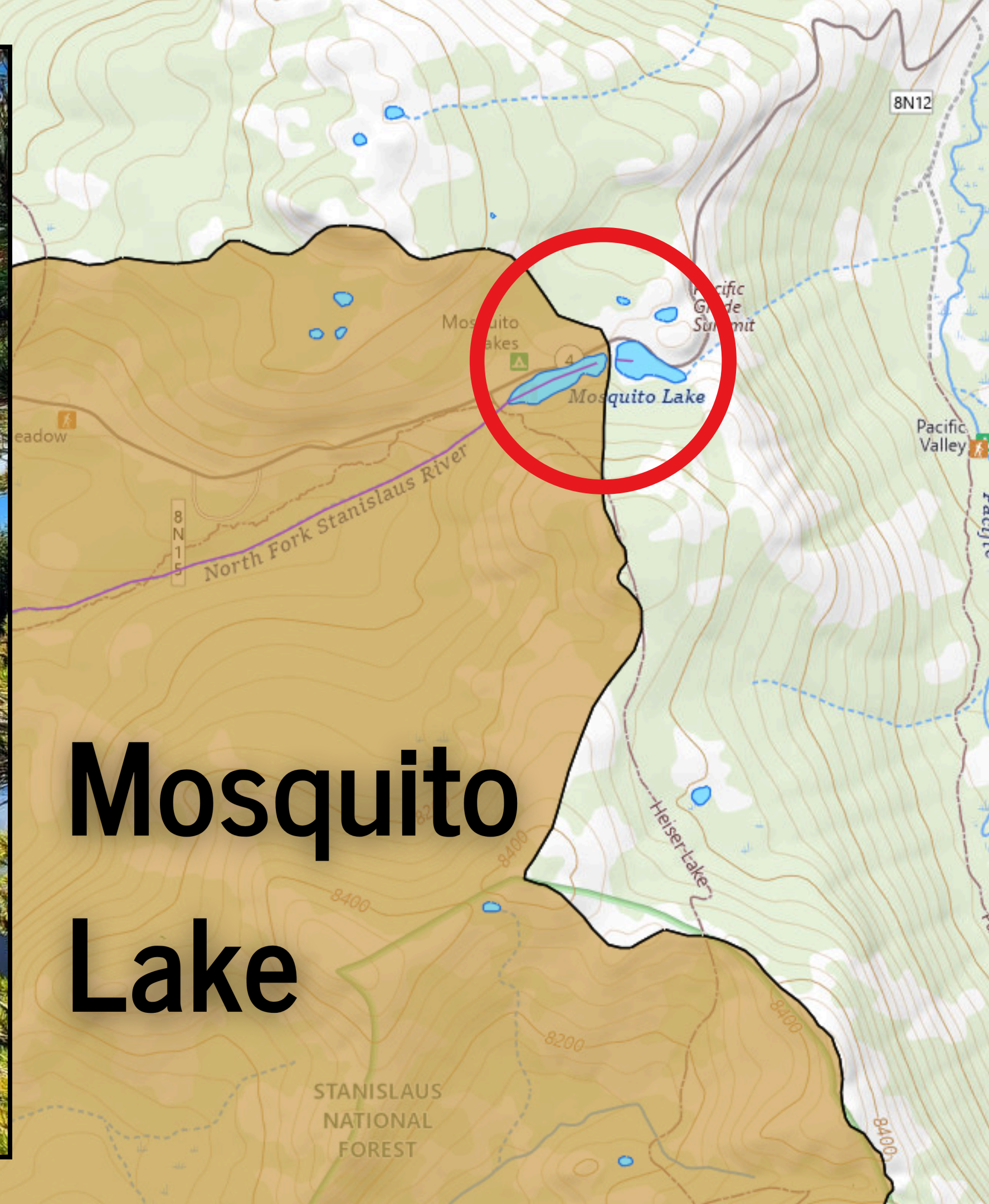
Project No. 2409 is a crucial supply of consumptive and agricultural water to the Highway 4 corridor.

# North Fork

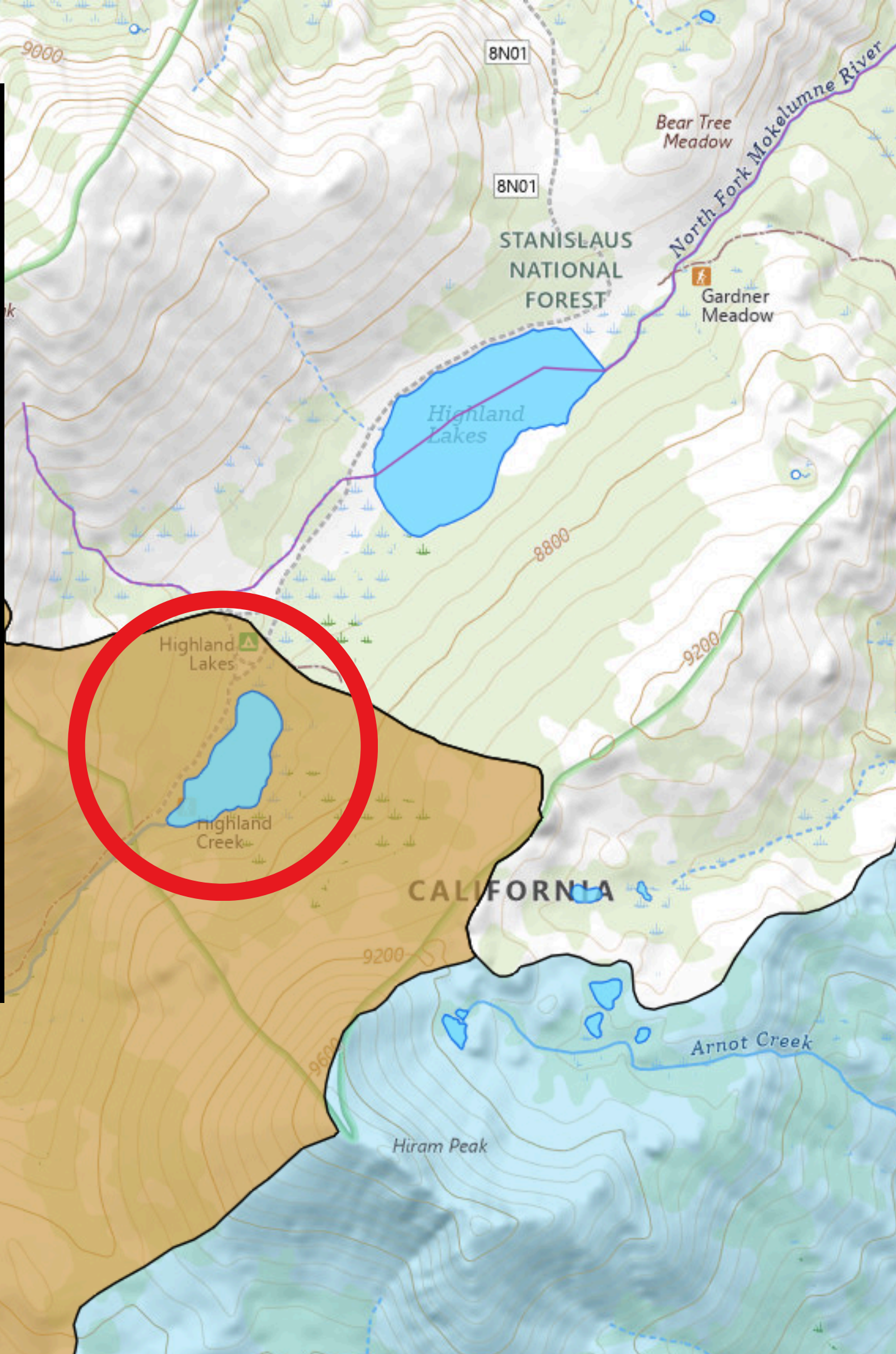
# Stanislaus

# River





# Mosquito Lake



# Highland Lakes

