

# Wood River Valley New Model Boundaries

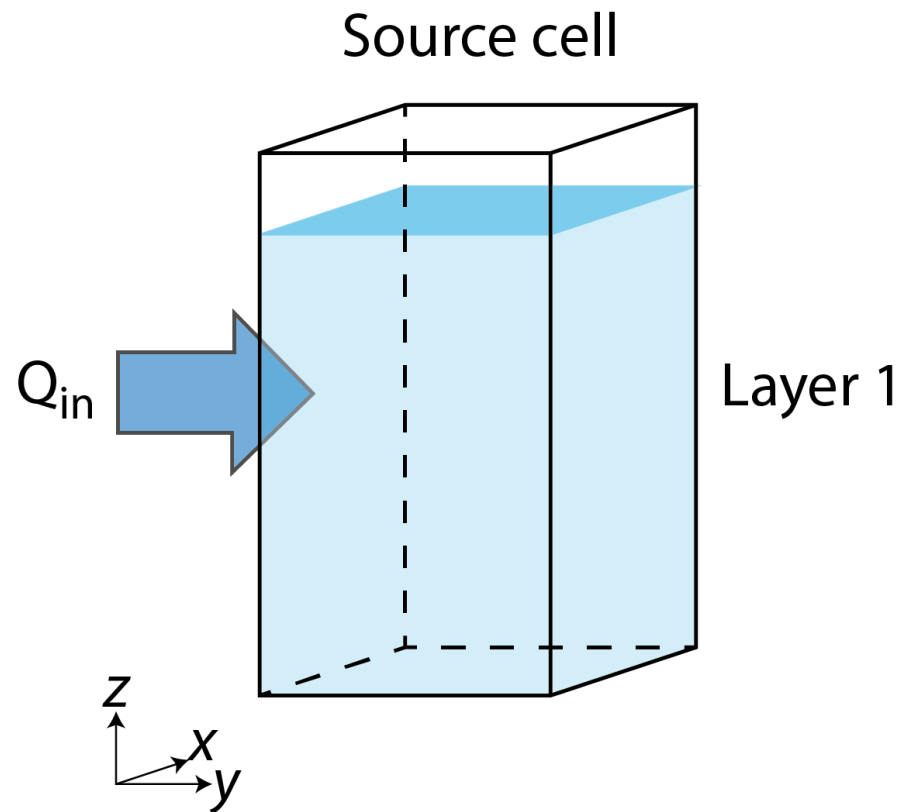
Jason C. Fisher

# PROVISIONAL: FOR INFORMATIONAL PURPOSES ONLY

These slides were presented at the Wood River Valley Modeling Technical Advisory Committee meeting Thursday, 05Dec2013, 10am-4pm at the Community Campus, Rm 200, in Hailey. Taken outside the context of the original presentation, these slides may not provide a complete or accurate representation of the speaker's intent.



# Specified Flow Boundaries: (FHB)



145 acre-ft / yr  
BWR Upper

Eagle  
Creek

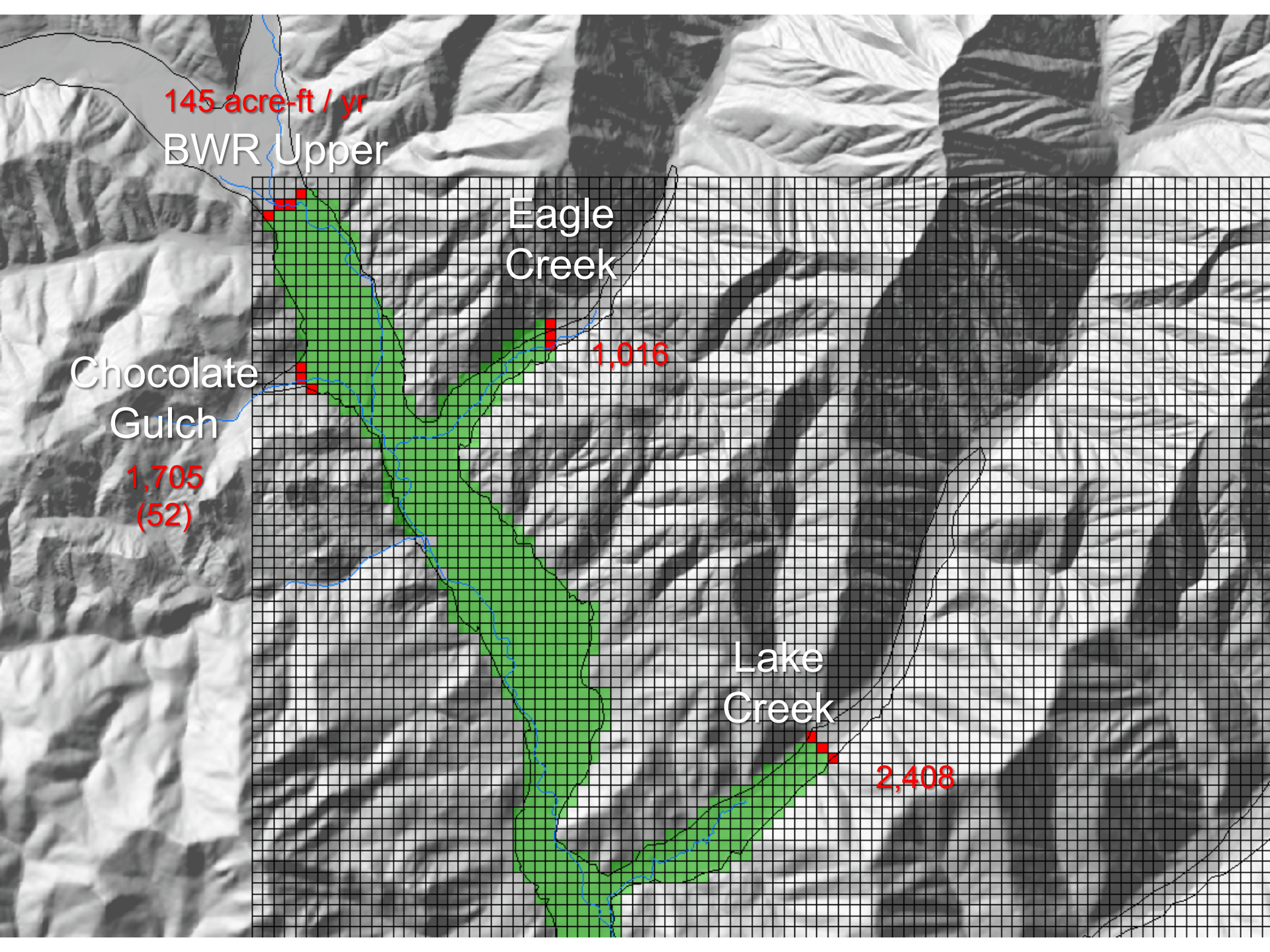
1,016

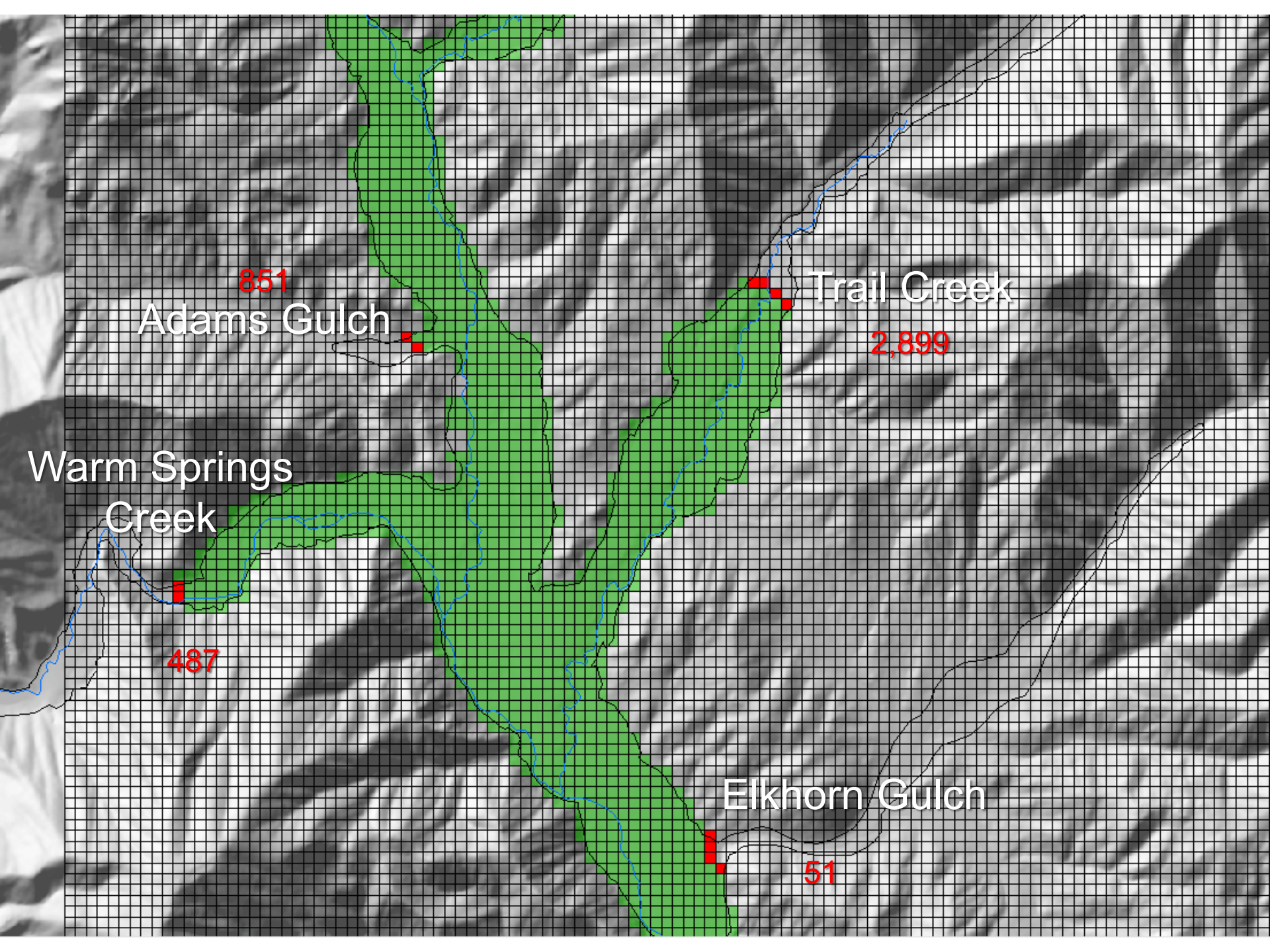
Chocolate  
Gulch

1,705  
(52)

Lake  
Creek

2,408





851

Adams Gulch

Trail Creek

2,899

Warm Springs  
Creek

487

Elkhorn Gulch

51

Gold Springs  
Gulch

1,949  
(200)

Clear Creek

1,694  
(137)

Greenhorn  
Gulch

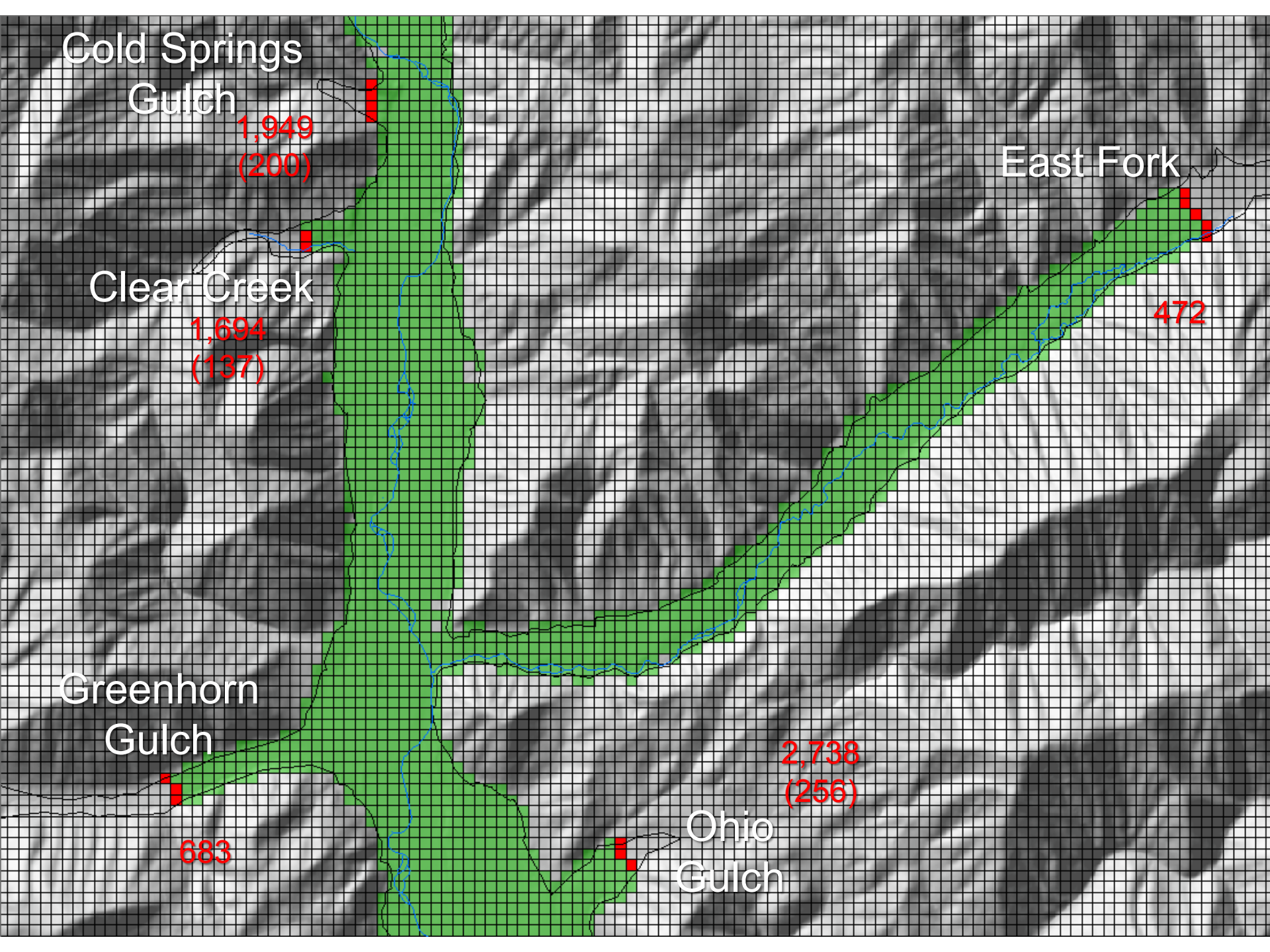
683

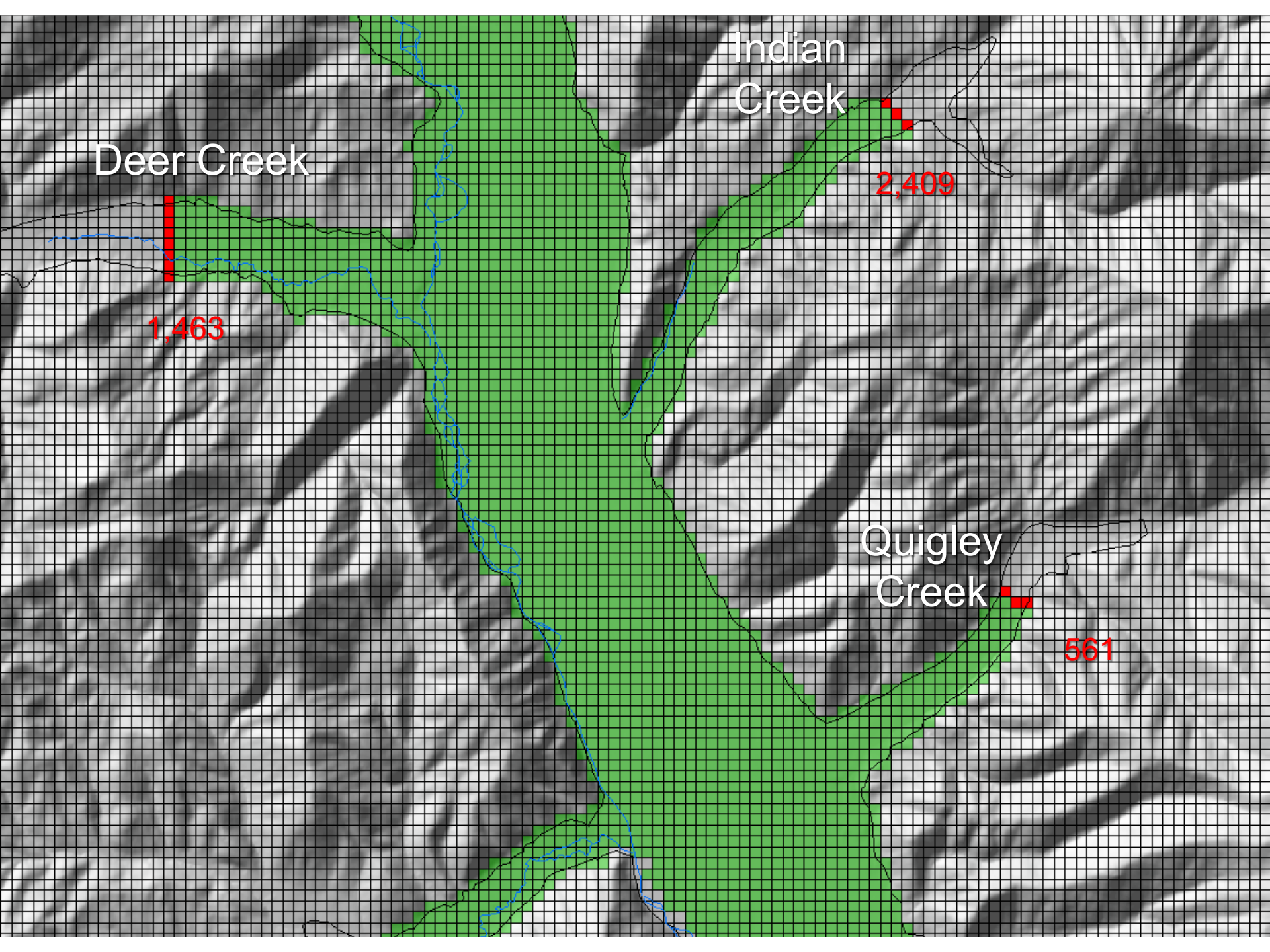
Ohio  
Gulch

2,738  
(256)

East Fork

472





Deer Creek

1,463

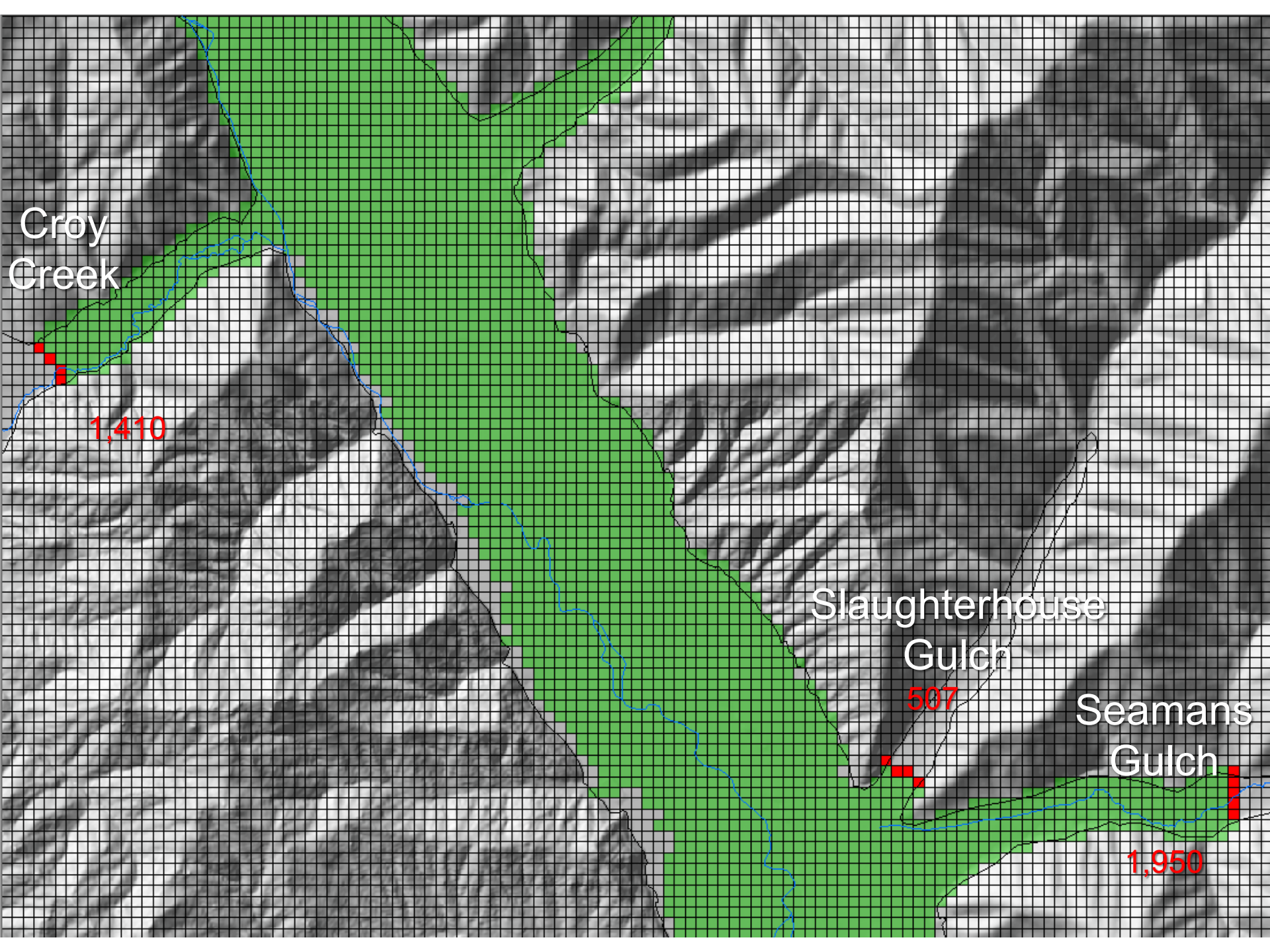
Indian  
Creek

2,409

Quigley  
Creek

561





Croy  
Creek

1,410

Slaughterhouse  
Gulch

507

Seamans  
Gulch

1,950

Lees Gulch

1,485

(134)

Townshend

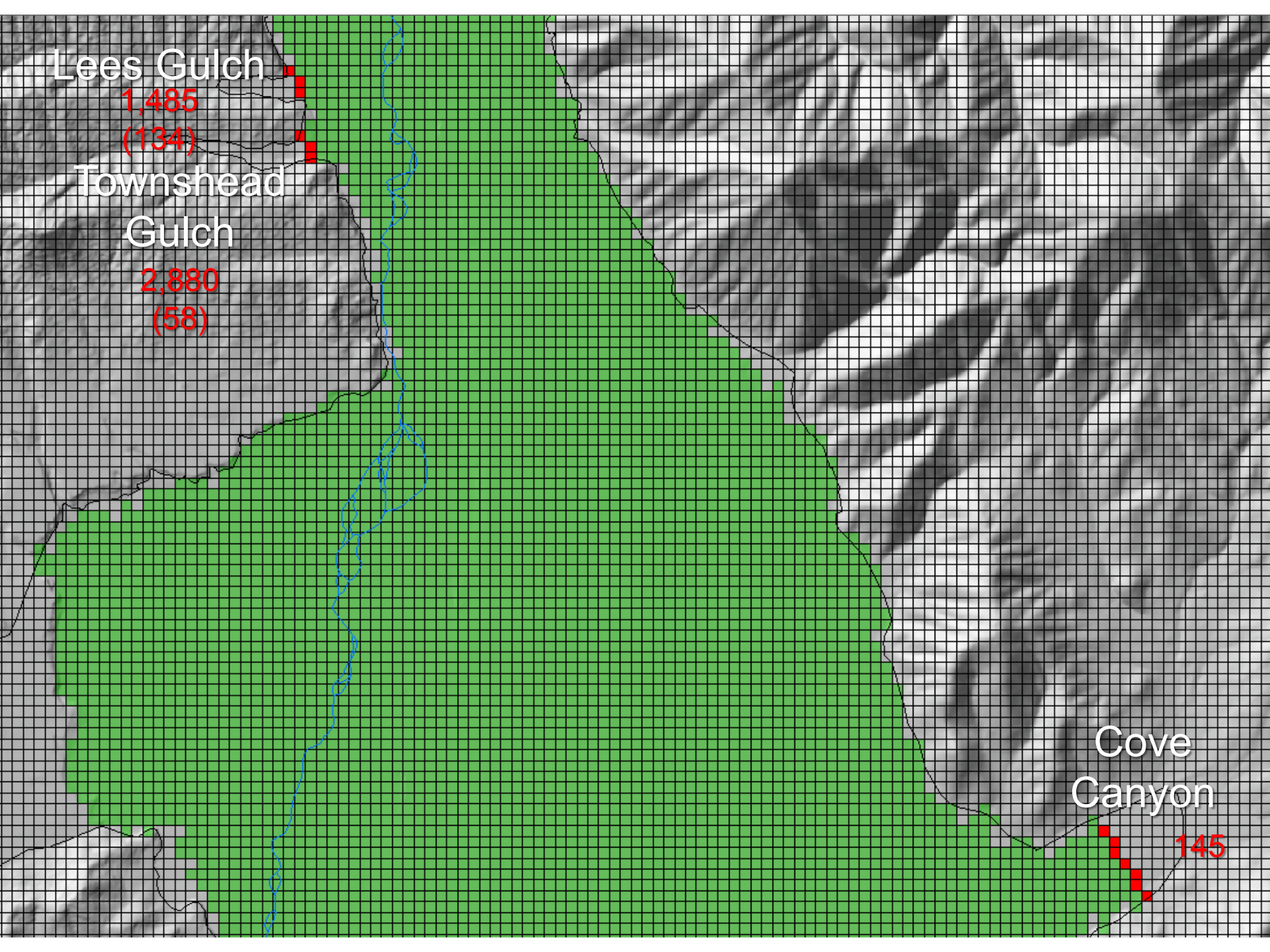
Gulch

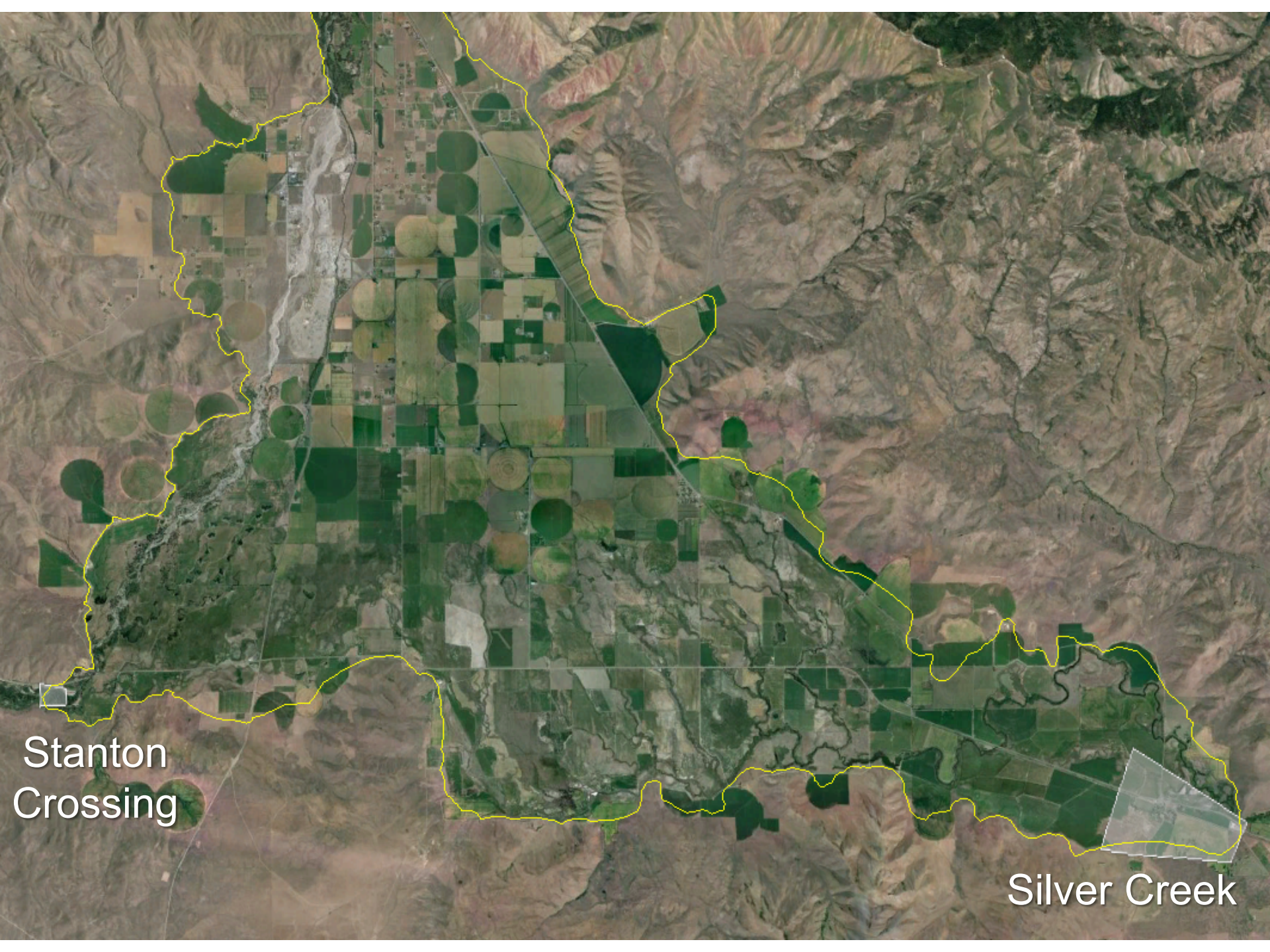
2,880

(58)

Cove  
Canyon

145

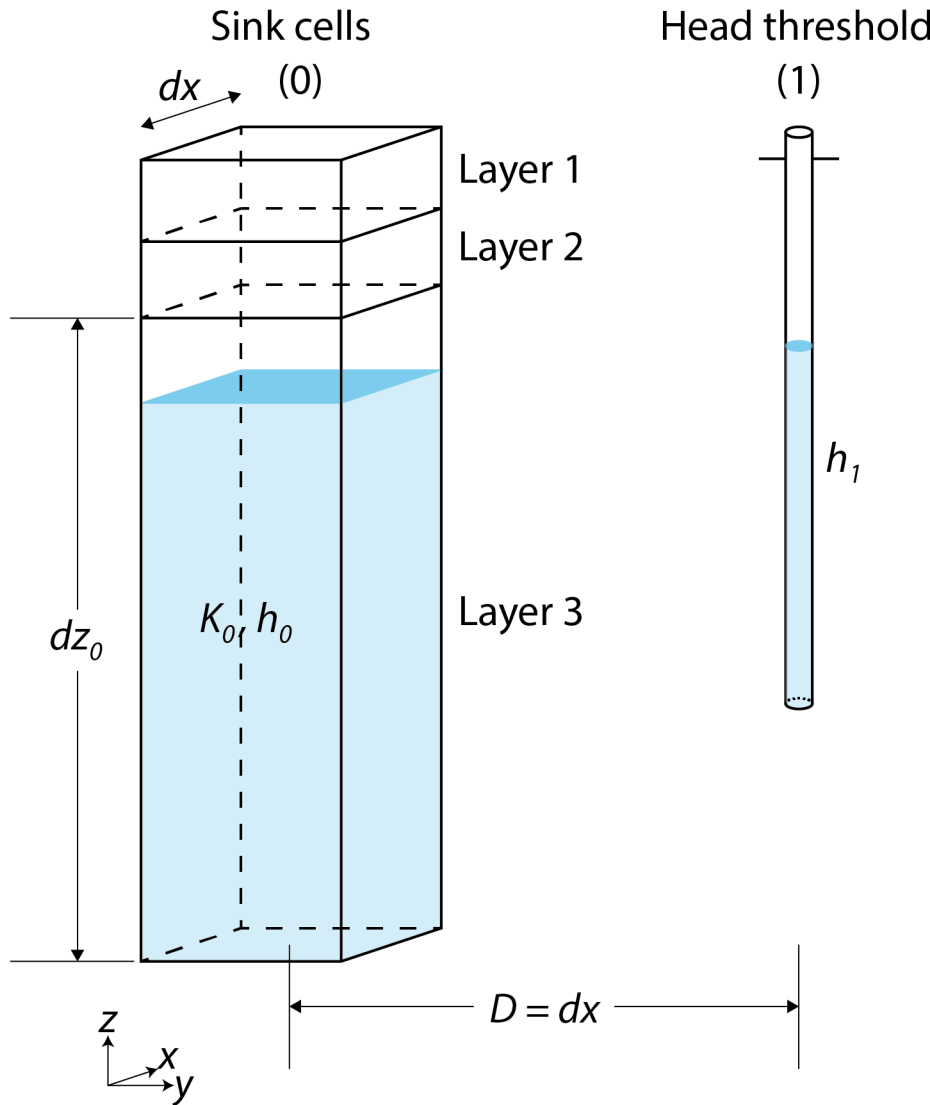




Stanton  
Crossing

Silver Creek

# Head Dependent Flux Boundary: Drain (DRN)



Darcy's Law:

$$Q = -KA [(h_1 - h_0) / D]$$

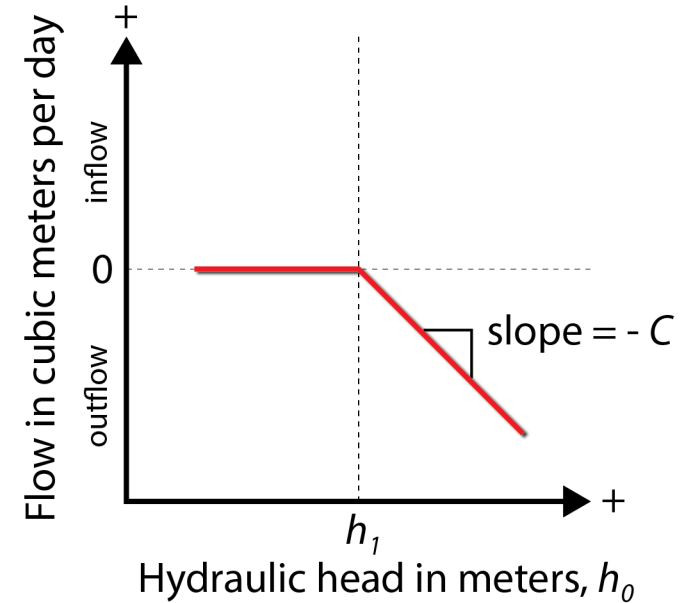
$$Q = -C (h_1 - h_0)$$

where

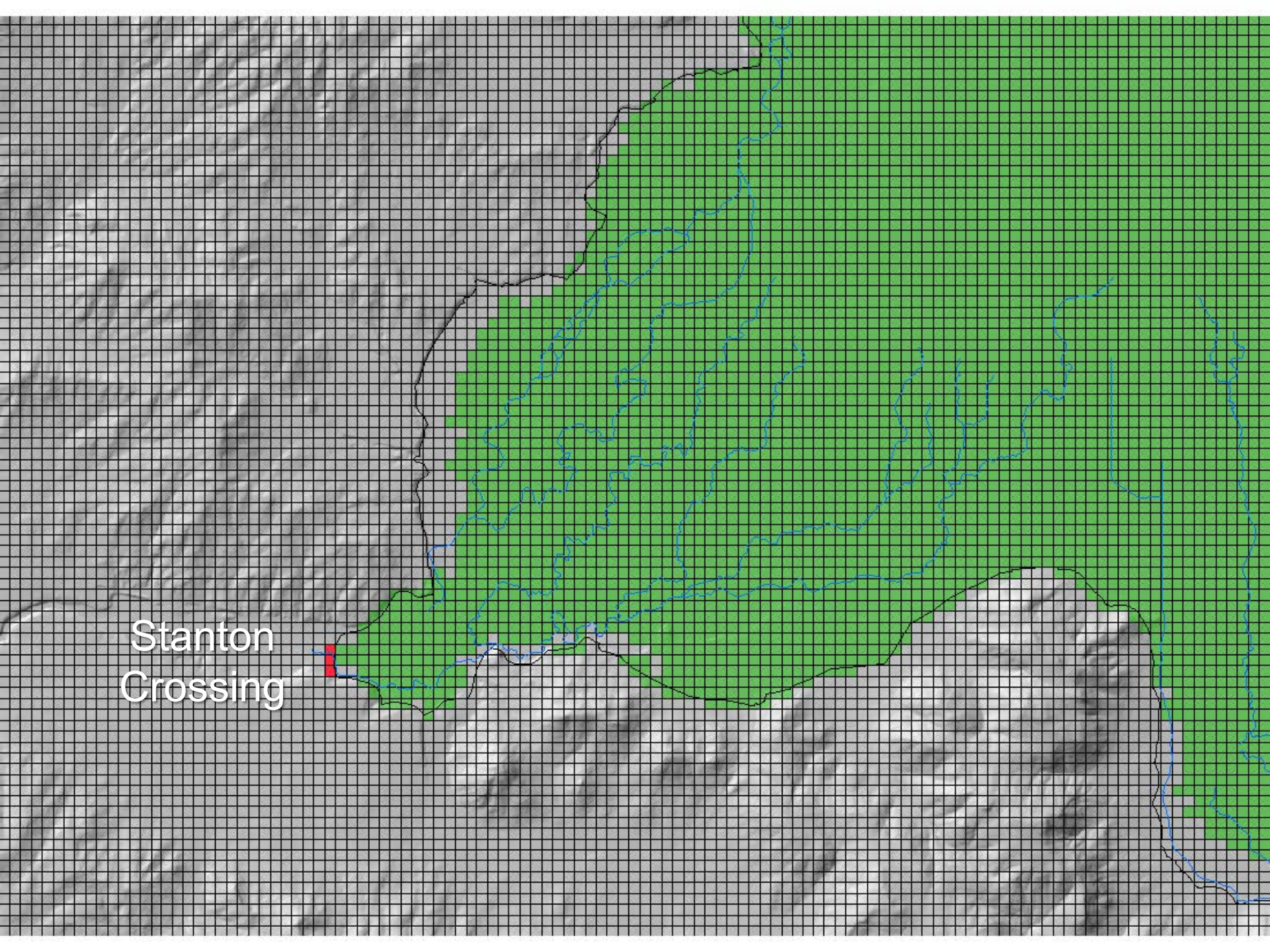
$$C = KA / D$$

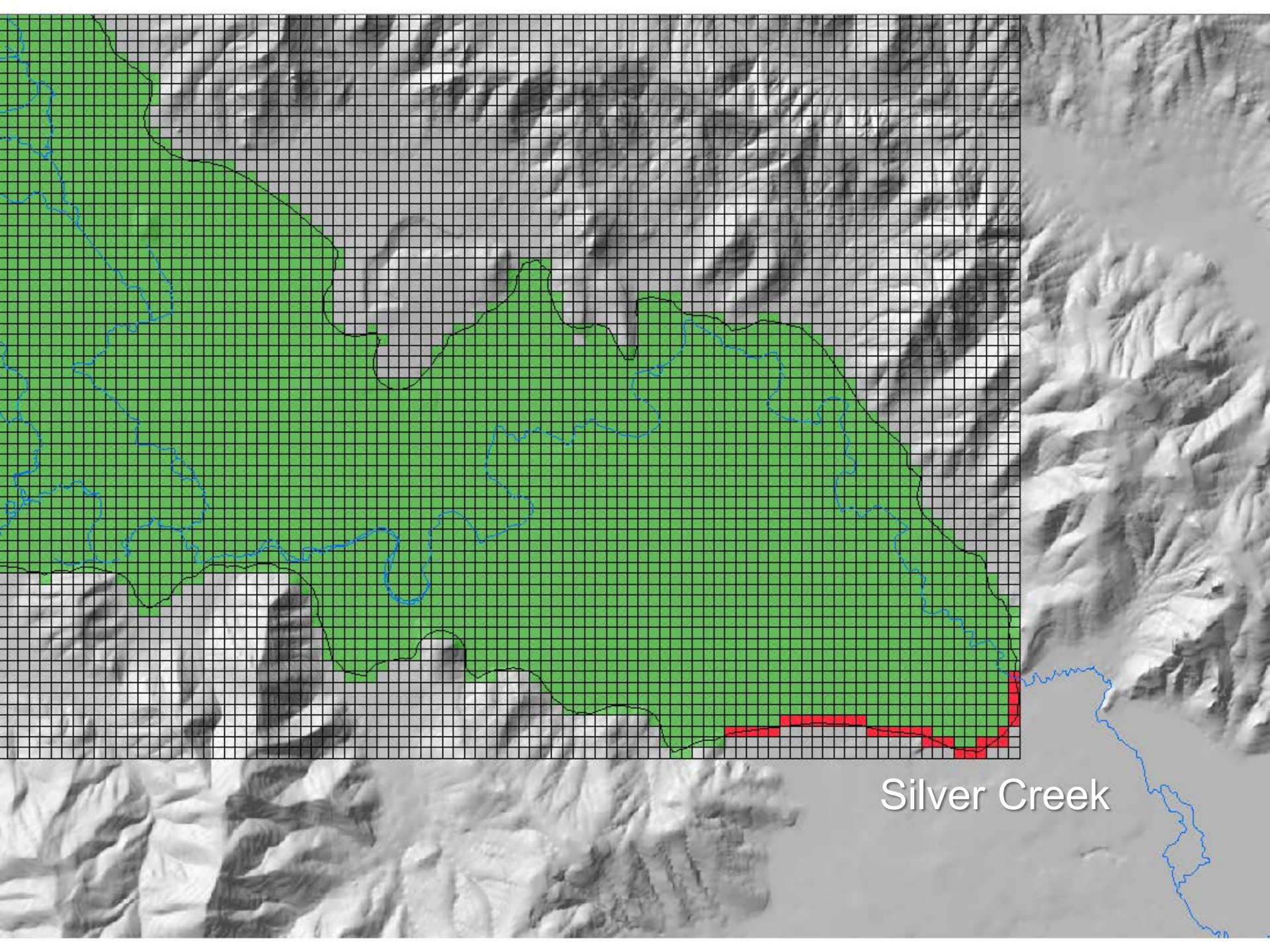
$$C = [K_0 (dx dz_0)] / dx$$

$$C = K_0 dz_0$$



Stanton  
Crossing





Silver Creek

# Questions

