Wood River Valley
New Model Boundaries

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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.

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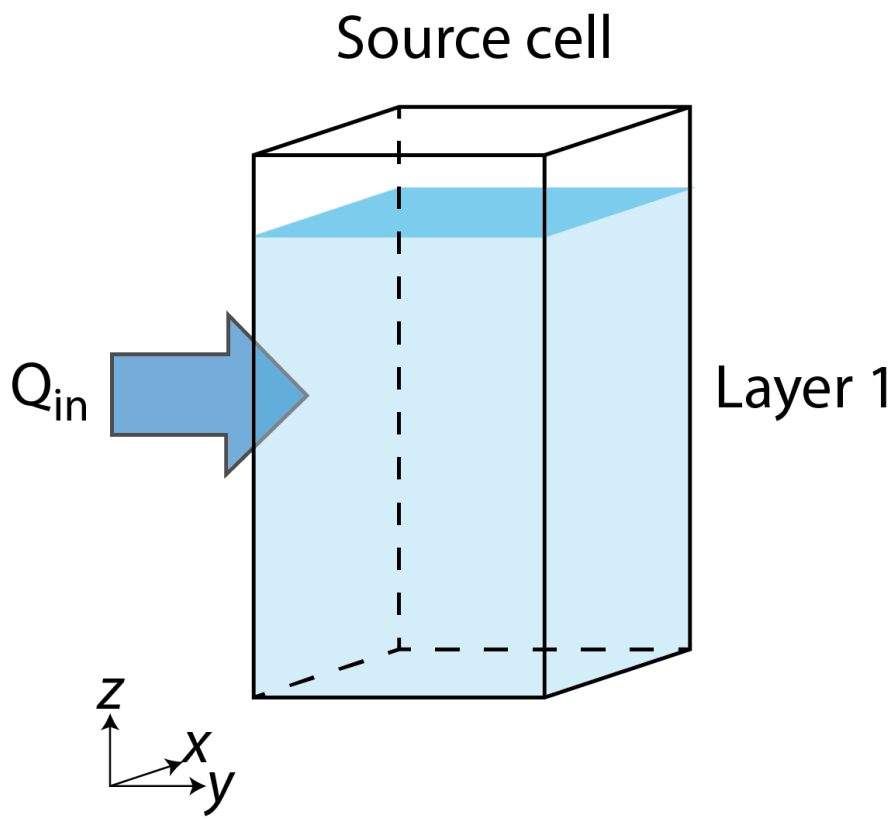
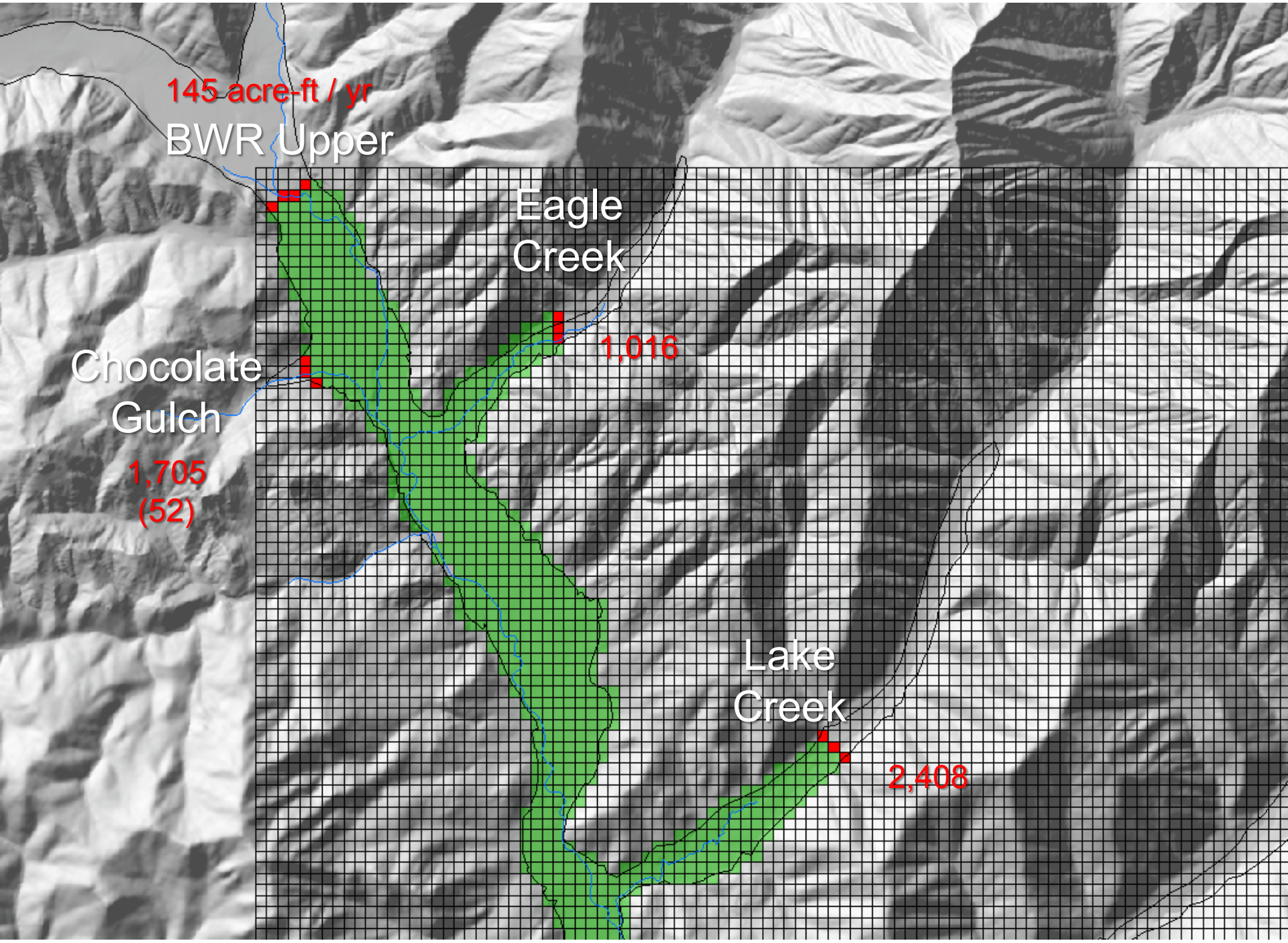
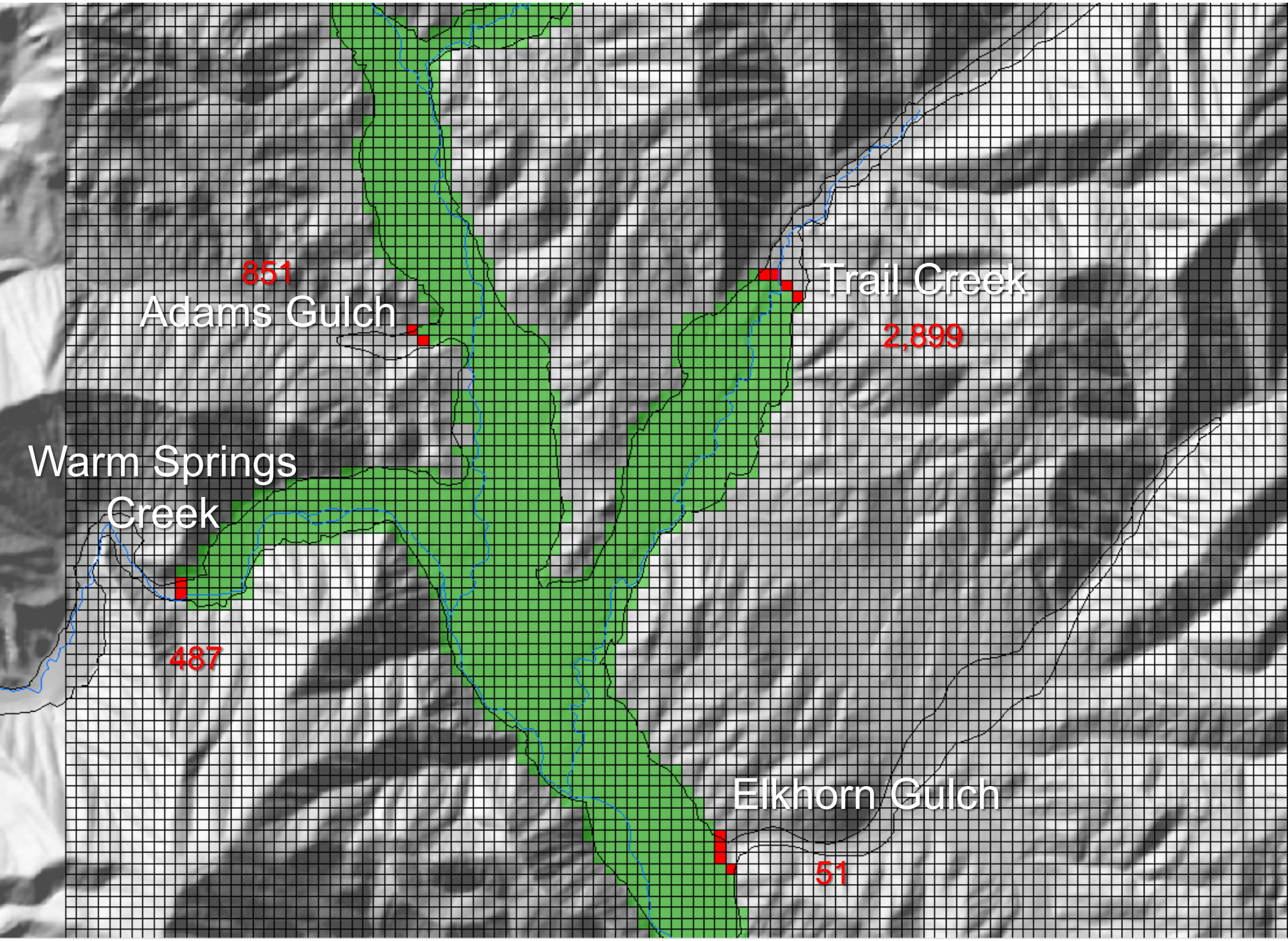
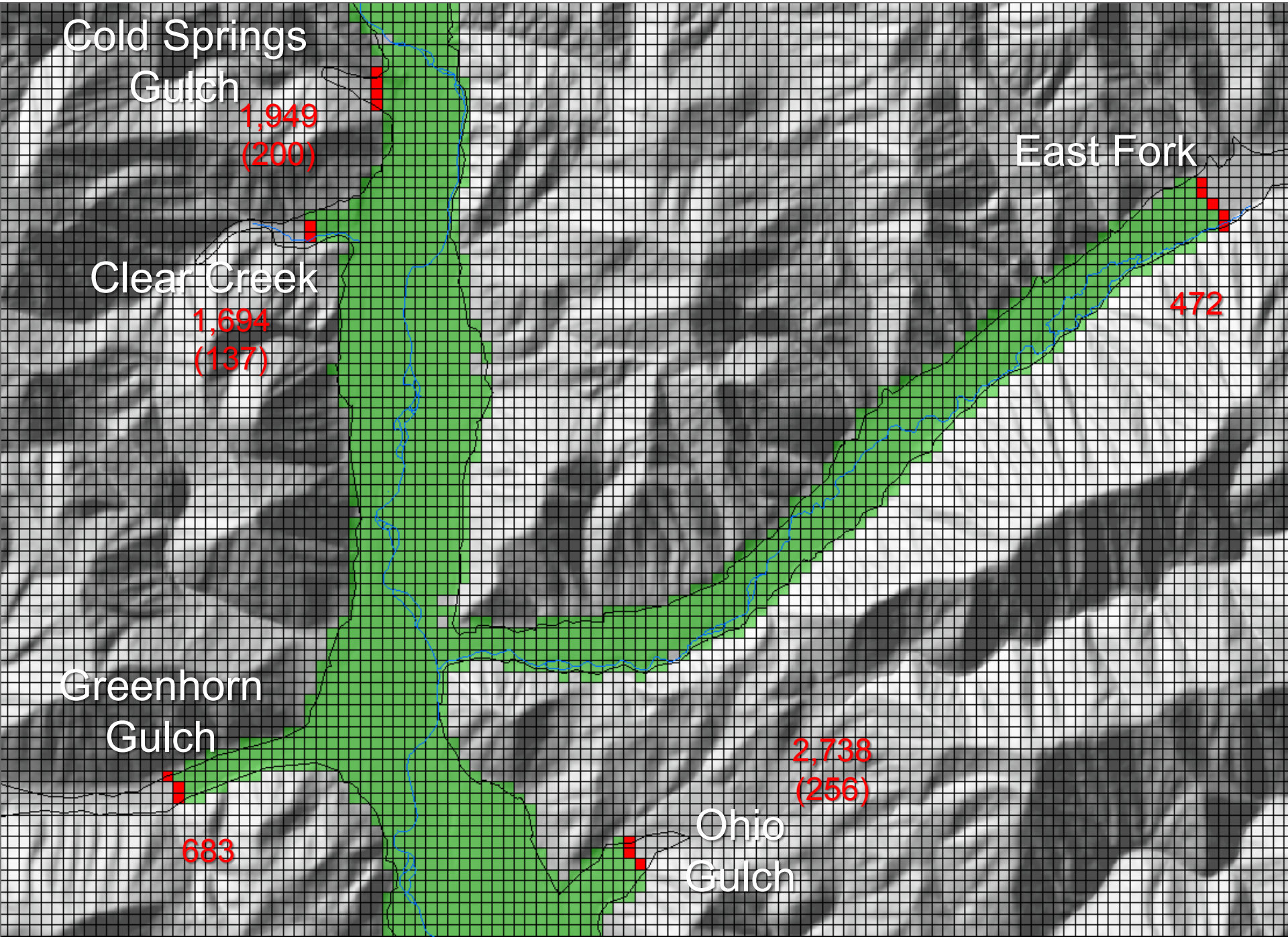
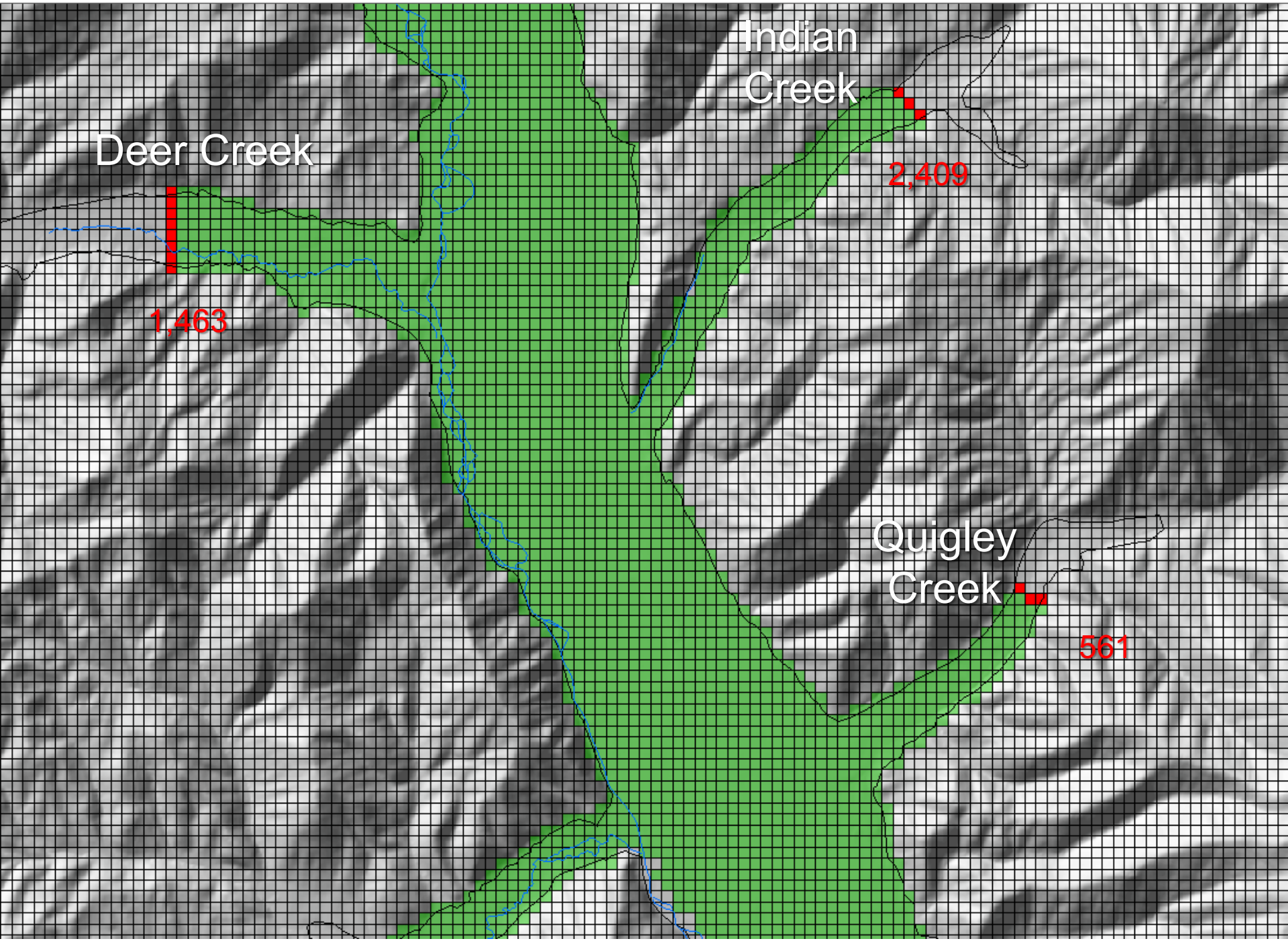
Specified Flow Boundaries: (FHB)



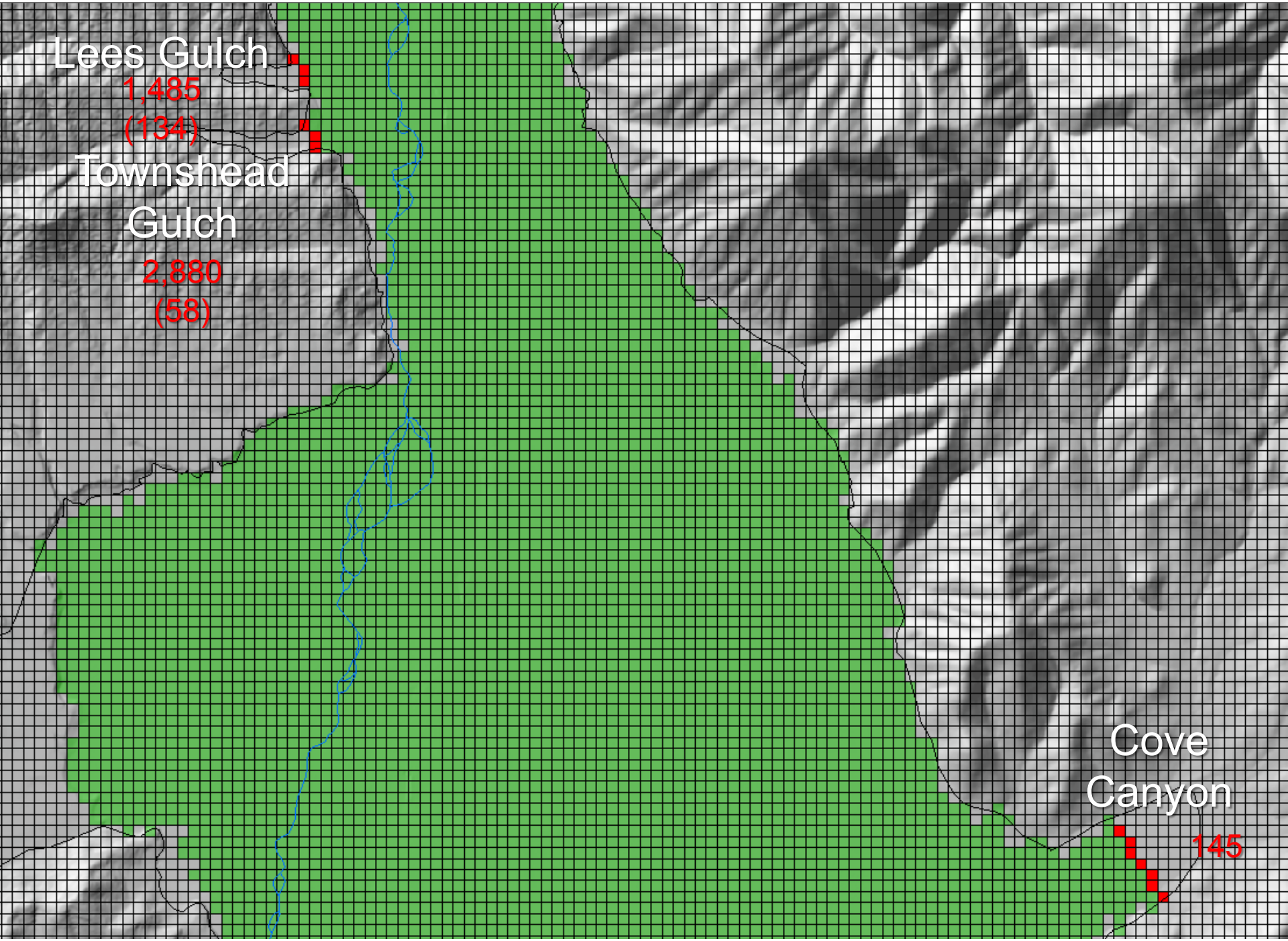

145 acre-ft / yr
BWR Upper
Eagle
Creek
1,016
Chocolate
Gulch
1,705
(52)
Lake
Creek
2,408

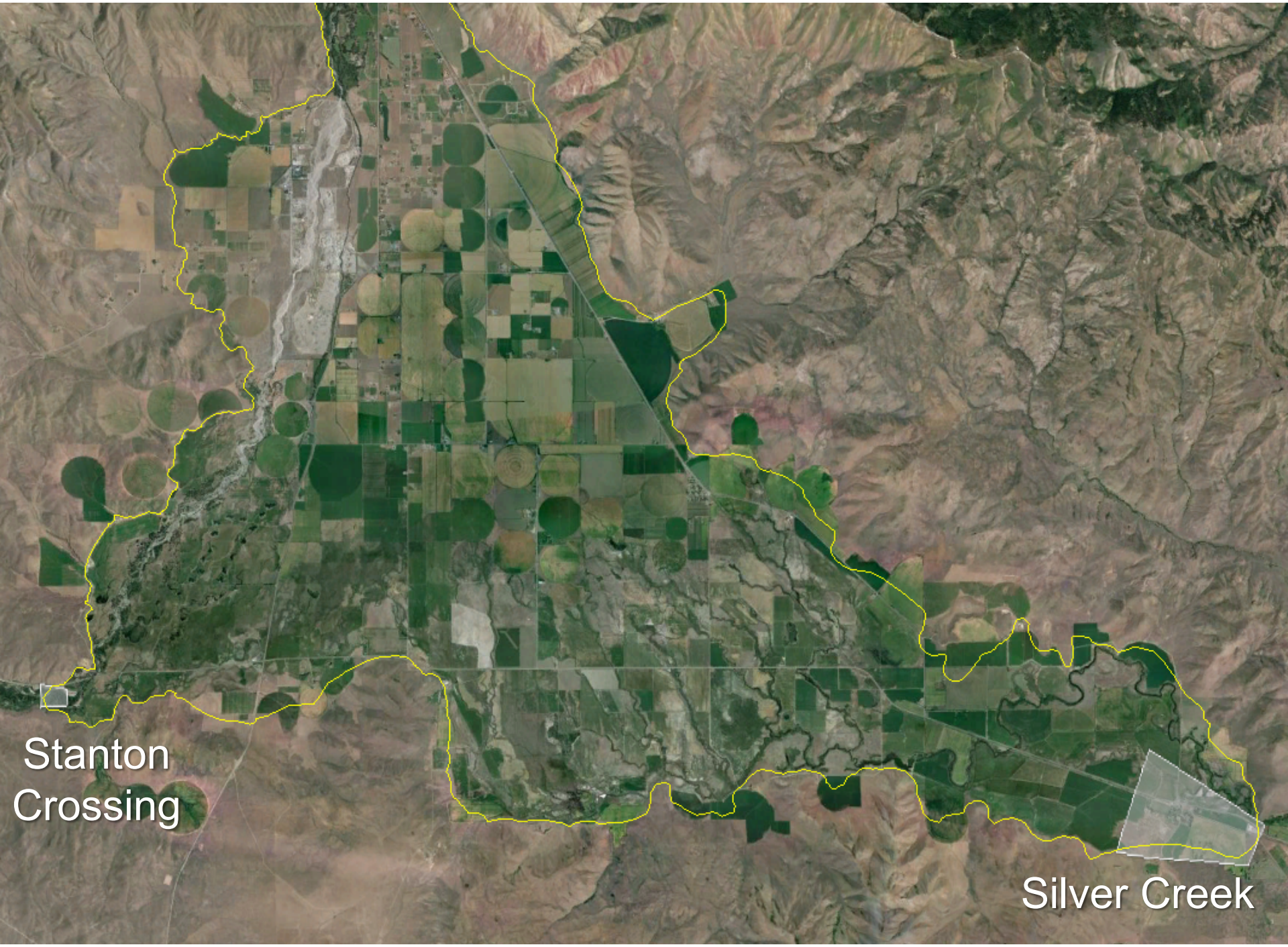

851
Adams Gulch
Trail Creek
2,899
Warm Springs
Creek
487
Elkhorn Gulch
51


Cold Springs Gulch
1,949
(200)
East Fork
Clear Creek
1,694
(137)
472
Greenhorn Gulch
2,738
(256)
683
Ohio Gulch

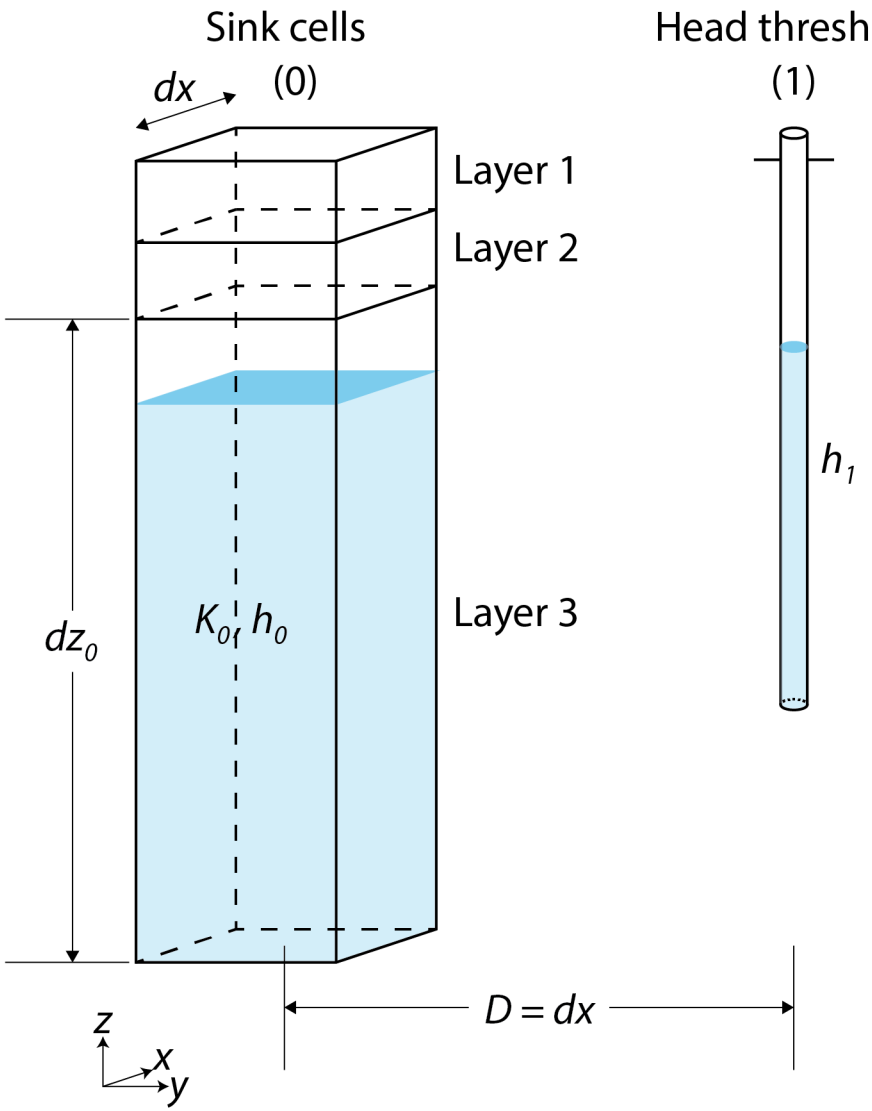

Indian
Creek
2,409
Deer Creek
1,463
Quigley
Creek
561

Croy
Creek
1,410
Slaughterhouse
Gulch
507
Seamans
Gulch
1,950


Lees Gulch
1,485
(134)
Townshead
Gulch
2,880
(58)
Cove
Canyon
145


Stanton
Crossing
Silver Creek

Head Dependent Flux Boundary: Drain (DRN)



Darcy's Law:

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

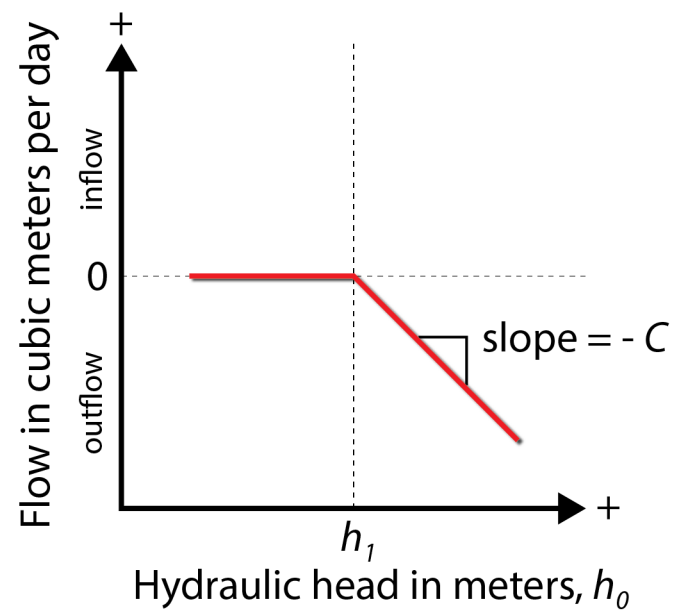
$$Q = -C (h_1 - h_0)$$

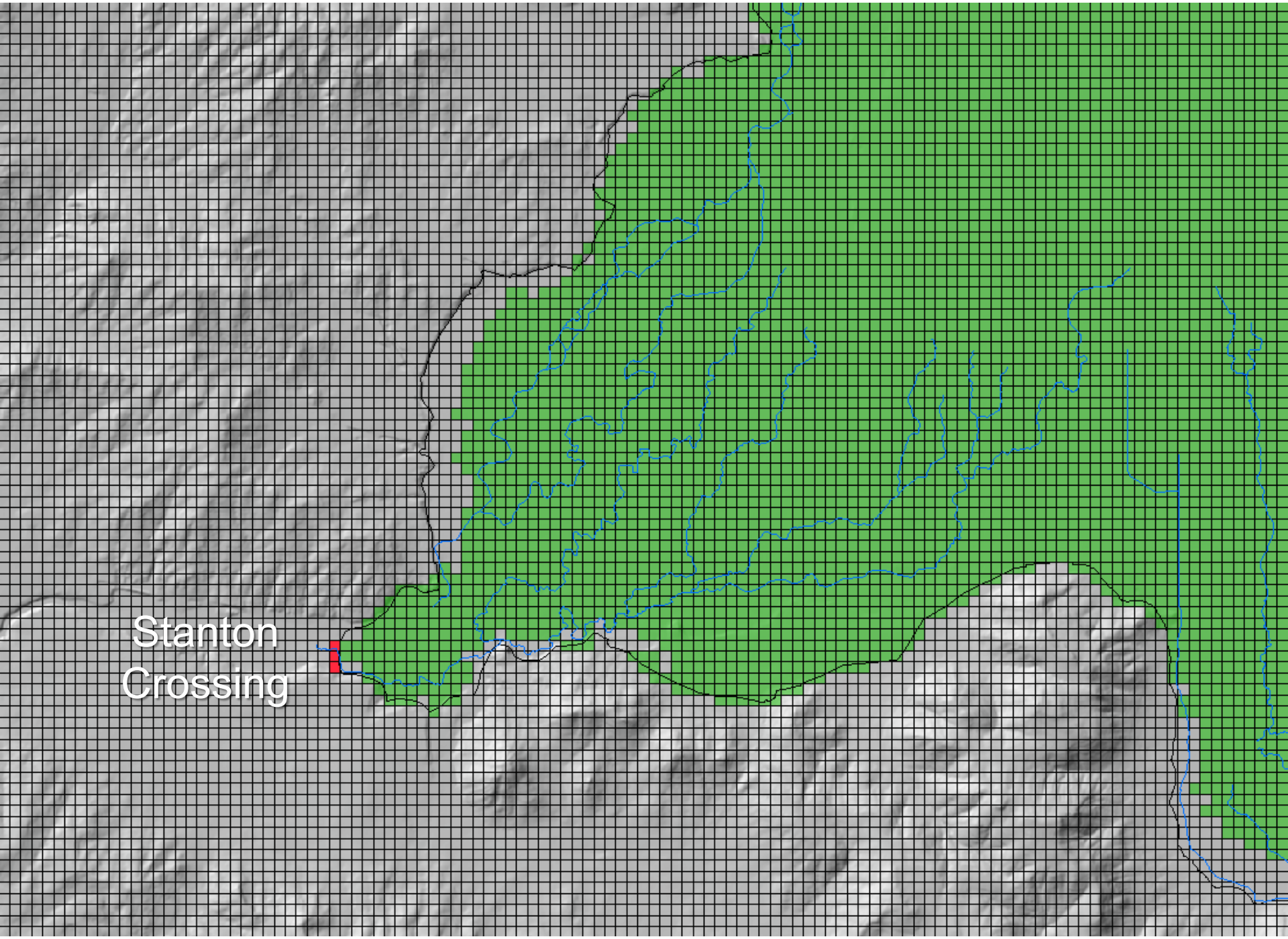
where

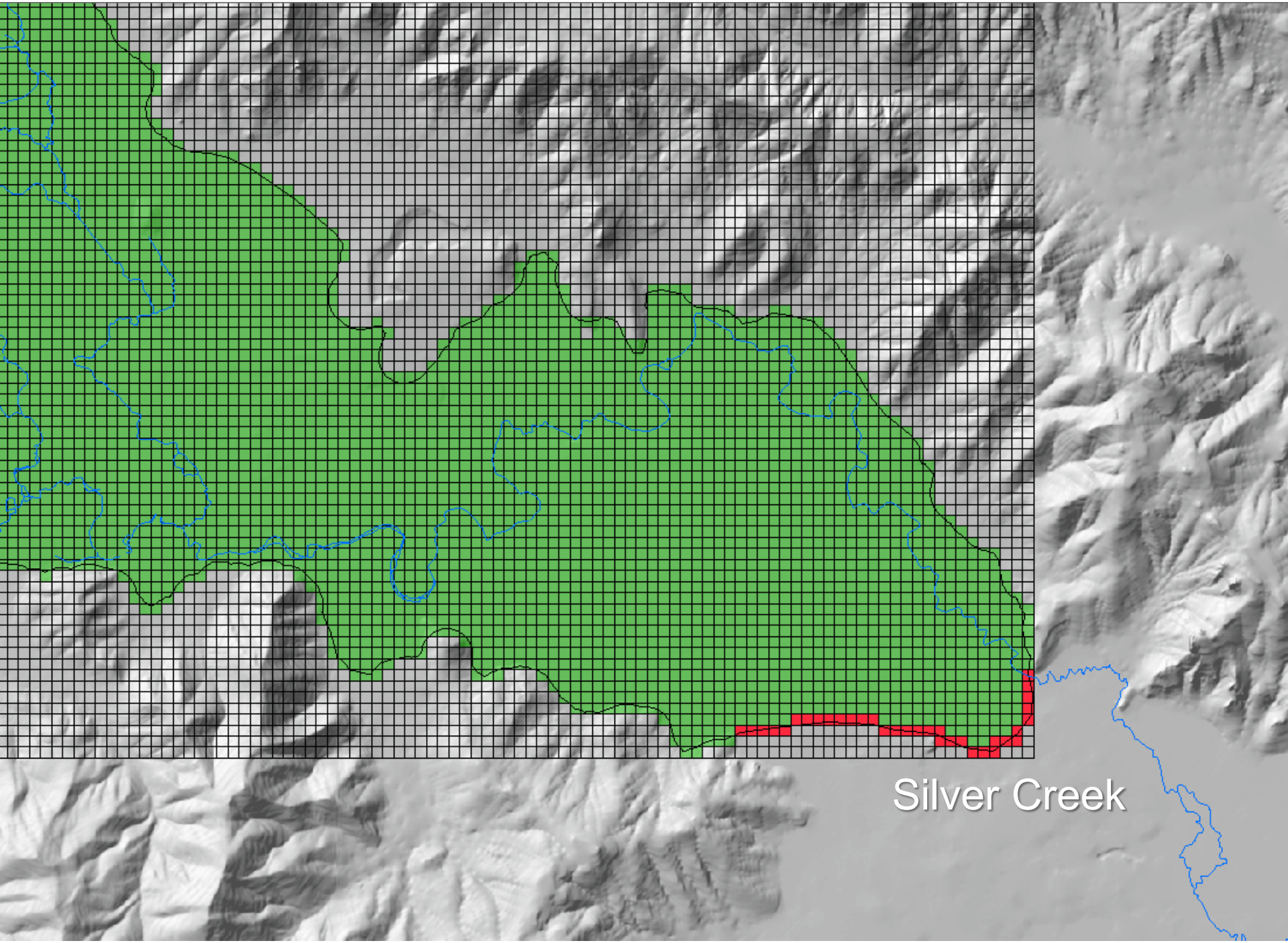
$$C = K A / D$$

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

$$C = K_0\, dz_0$$




Stanton
Crossing


Silver Creek

Questions

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