

Color Me a Watershed: Burned Watershed

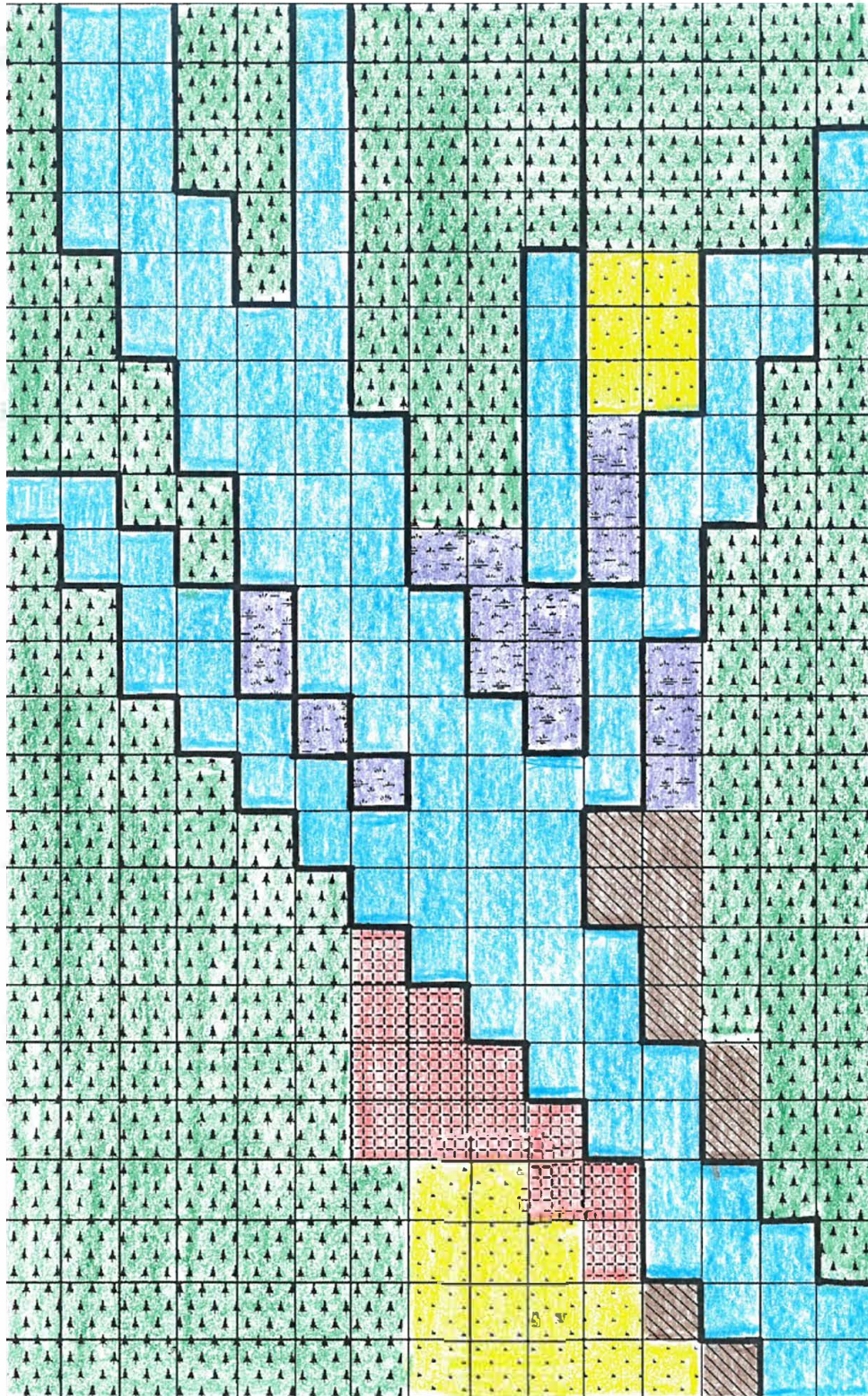
How might fire affect the hydrology of a watershed?

1. Looking at the post-fire map, what questions would you have, or information would you need to even begin to assess how fire may affect the hydrology of a watershed?
2. Each land use sheds water at a different rate. How might fire change the estimates of runoff to calculate the amount of water that will runoff into the stream?
3. What values would you suggest to estimate post-fire runoff for each land use? Why did you choose these values?
4. Besides changes in runoff, what other changes or effects might fire have on the watershed?







= Please complete questions on the other side =



Map A: 100 Years Ago

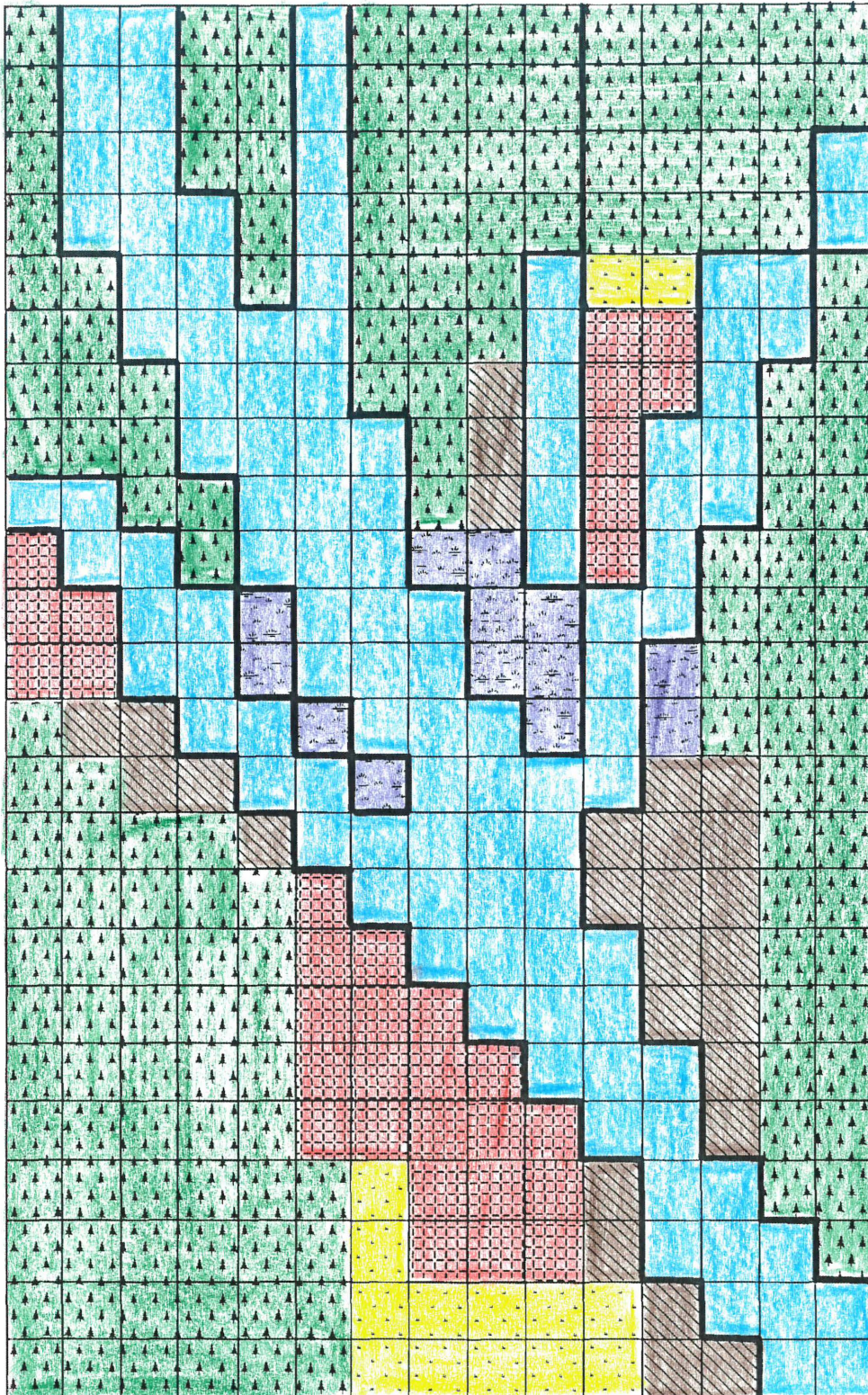


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





-  FOREST
-  GRASSLANDS
-  WETLANDS
-  RESIDENTIAL
-  AGRICULTURAL
-  STREAM



Map B: 50 Years Ago

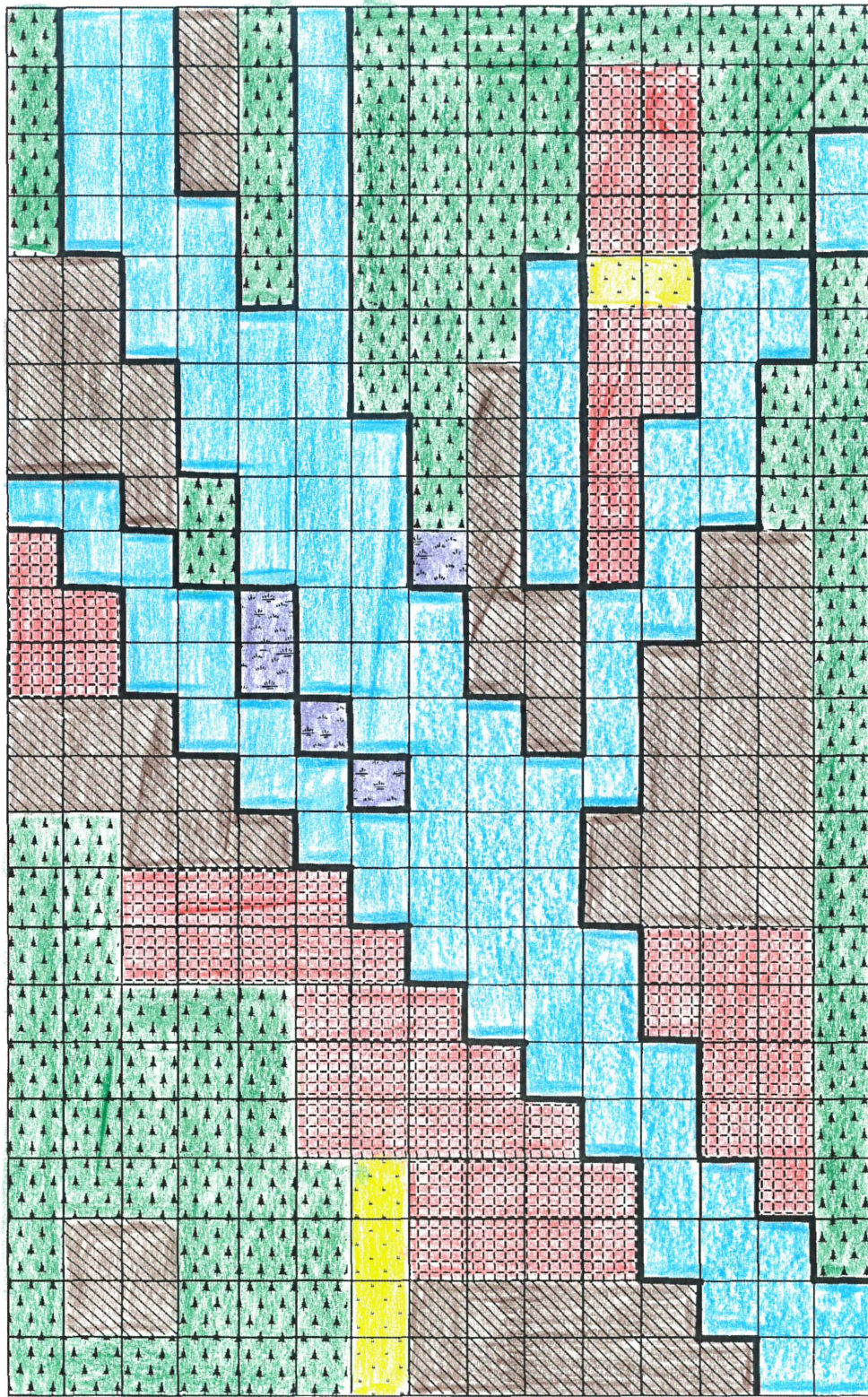


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




-  FOREST
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Map C: Present: Pre-Fire



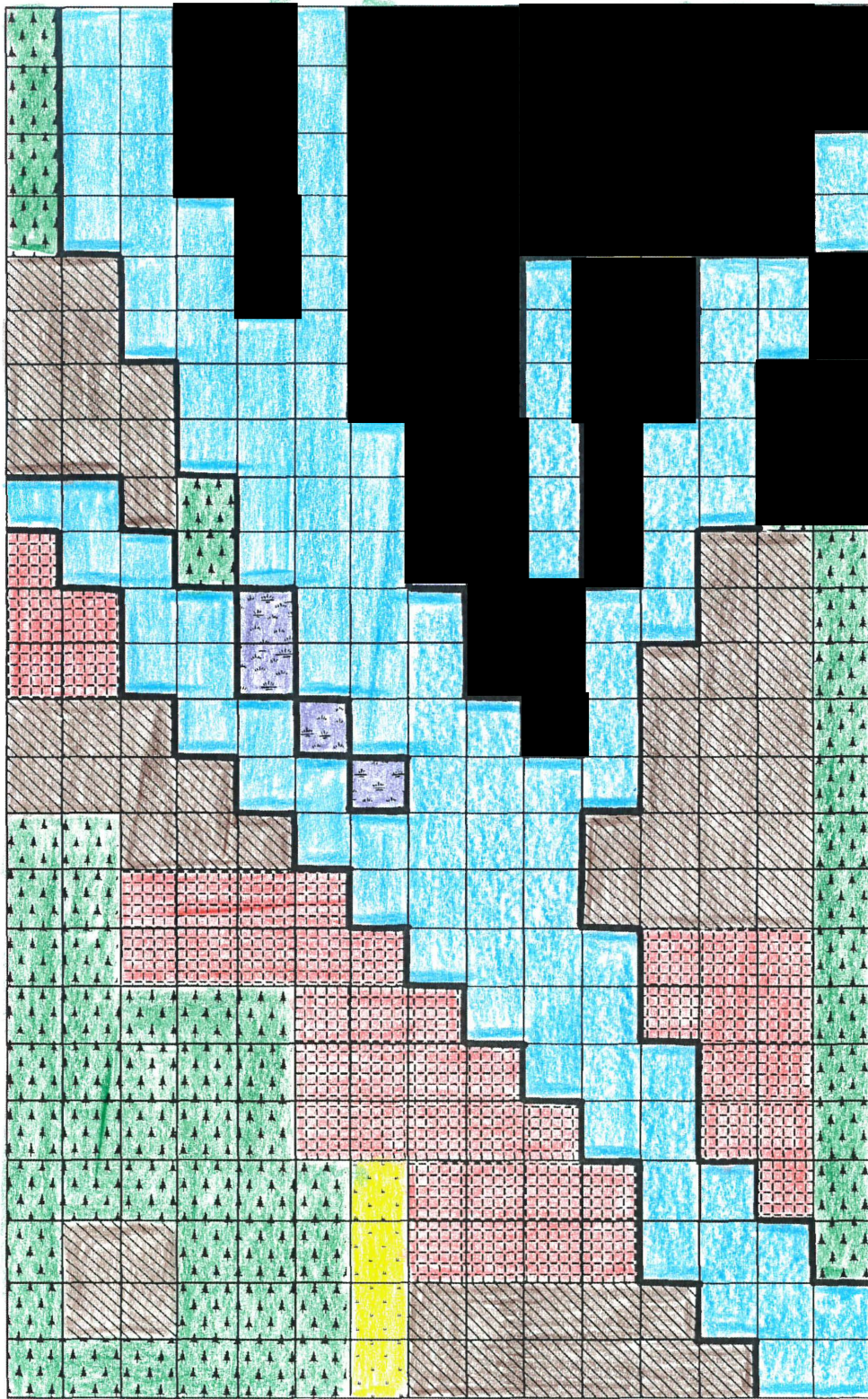
KEY

-  FOREST
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-  RESIDENTIAL
-  AGRICULTURAL
-  STREAM









Map C:

Present: Post-Fire



KEY

-  FOREST
-  GRASSLANDS
-  WETLANDS
-  RESIDENTIAL
-  AGRICULTURAL
-  STREAM