## Evaluation of quality and scale of DEM data in watershed boundary estimation

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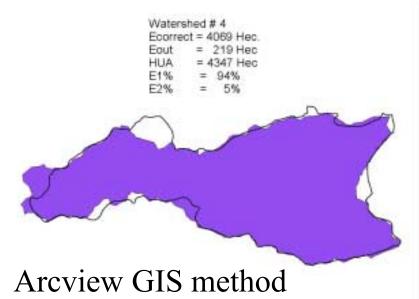
Purdue University

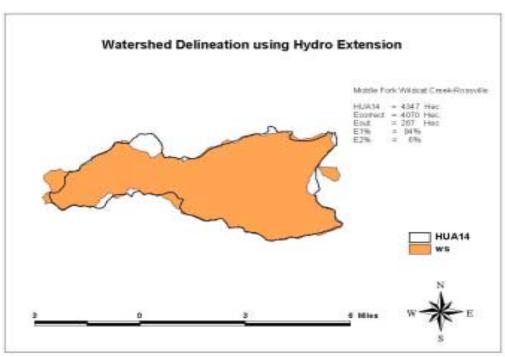
December 4, 2002

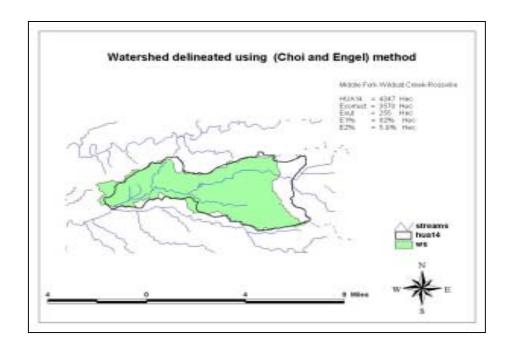
## Objectives:

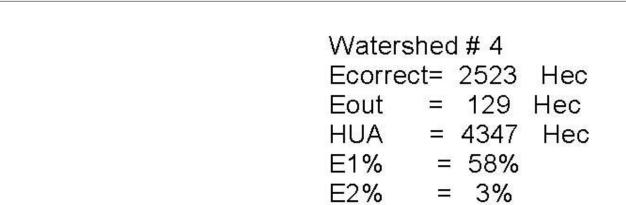
To compare between the accuracy of the <u>three</u> methods of <u>watershed</u> boundary estimation using <u>two sets of DEM</u> data

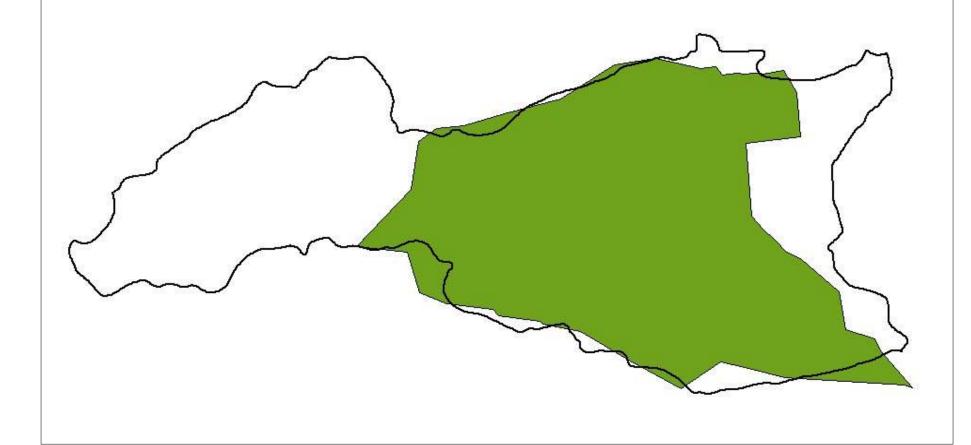
. To Determine which method among the three is <u>easier and faster</u> in the process of the watershed delineatin











## Summary and Conclusions

- 1- The accuracy of the watershed delineation depends on the first place on the accuracy of the Data available (DEM)
- 2- The Choi and Engel Method is the easiest and the fastest. But you have to do each watershed at a time 3- In the Hydro Extension method, you have to do a second step by grouping some sub watershed to get that of the desired one.
- 4- The ArcView method is logic and sestematic and easy in defining the inlet and outlet of the desired watershed. You can get all the desired watershed at once.