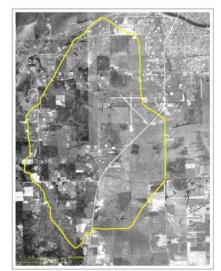
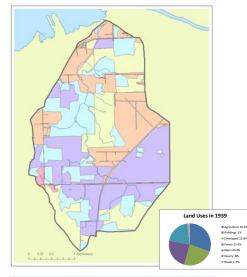




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1939 Data



- Road centerlines were digitized
- Centerlines were buffered by width to create polygons
 Building feature class created by outlining building
- · Rest of watershed delineated using the following definitions Forest: at least 50% tree cover or more

Open: less than 50% tree cover, no structures or development within

Quarry: gravel and sand pits

Agriculture: same definition as open, except agricultural

areas have furrows running through them

Developed: any areas left not already classified by previous

•All classes were clipped so only what was in the watershed existed

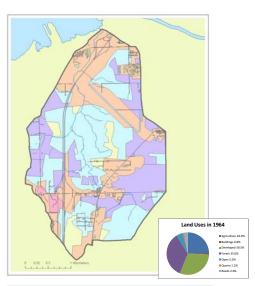
•All classes were merged into one layer

Ashmun Creek Watershed Historical Land Development

This project was fulfilling a need of the Sault Watershed Association in their efforts to restore some of the ecological values to Ashmun Creek, located in Sault Ste. Marie, Michigan. The goal was to provide info on the increase in impervious surfaces over time which leads to stream flashiness. The information provided will help the group plan mitigations and restoration for the watershed.



1964 Data

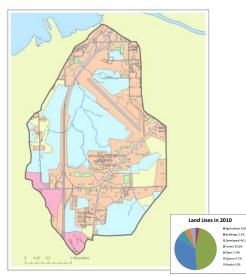


Development can be bad for watersheds because with development comes impervious surfaces, (surfaces that don't let rain permeate through them to the soil as fast as natural unaltered land; buildings, developed areas and roads). When water cannot soak into the ground, it runs across the surface, picking up pollutants and trash. When it finally does enter a body of water, it not only adds these toxic things to the water body, thus lowering the water quality initially, but the water has picked up speed so it also causes flooding and erosion to the already negatively impacted water body. The information provided to the Sault Watershed Association on land uses and impervious surface changes is allowing them to plan mitigations and restoration for the creek and watershed.





2010 Data





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Data Sources

Watershed Boundary and Base Hydrographic Data

Michigan Center for Geographic Information Geographic Data Library, Geographic Framework v. 13a

Photo Data

1939 and 1964 Photor: Chippewa Luce Mackinac Conservation District photo archives.

2010 Photors: Grif Saleamap - Eri, Pigliatificible, Geofye, I-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community