Present Day Land Cover

The land-cover map depicts both natural and man-made surfaces on the landscape based upon aerial imagery. The Iowa DNR created 15 unique classes for this dataset, including water, wetland, coniferous forest, deciduous forest (short, medium, tall), grass (type 1, type 2), cut hay, corn, soybeans, barren/fallow land, structures, roads/impervious, and shadow/no data. These classes are useful in clearly distinguishing different types of landscape features that would otherwise be difficult to discern from an aerial photograph.

For example, the balance of pervious and impervious coverage is clearly evident because impervious areas are represented as pink or magenta. Large expanses of impervious surfaces can cause significant drainage issues without proper planning, because they prevent the infiltration of precipitation and provide little to no friction to slow precipitation that is running off the surface.

City Limits
Present-day River
Present-day Water Body

Land Cover

Water
Wetland
Coniferous Forest
Deciduous Short
Deciduous Medium
Deciduous Tall
Grass 1
Grass 2

Cut Hay
Corn
Soybeans
Barren / Fallow
Structures
Roads / Impervious
Shadow / No Data
Water Wells

0   0.125   0.25   0.5   0.75   1 Miles

Map Source: Iowa Department of Natural Resources, "Natural Resources Geographic Information Systems Library," http://www.igsb.uiowa.edu/nrgislibx/.

Monona
Present Day Land Cover

Iowa State University: Julia Badenhope, Sandra Oberbroeckling, Matthew Gordy, Jessica Adiwijaya, Miao Fangzhou, Anh Le, Katherine Gould, Evan Kay, Richard Garcia

Iowa Department of Transportation   Trees Forever   ISU Landscape Architecture Extension   ISU Extension Community and Economic Development

IOWA'S LIVING ROADWAYS
Spring 2016

2f