



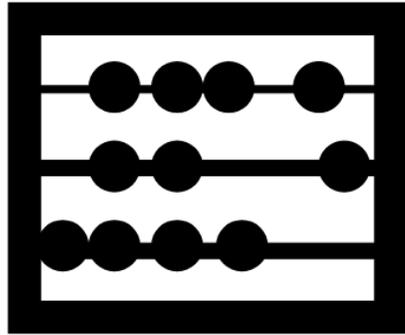
Mapping Vermont's Impervious Surfaces

Jarlath O'Neil-Dunne
University of Vermont





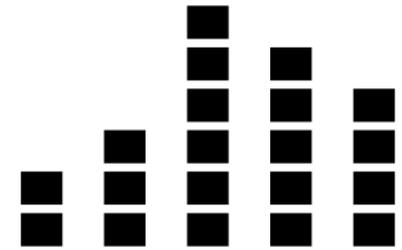




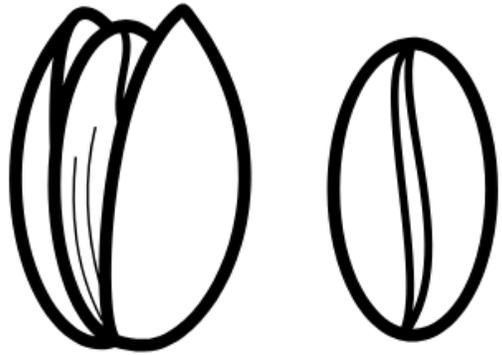
How much?



Who owns it?



How is it Distributed?

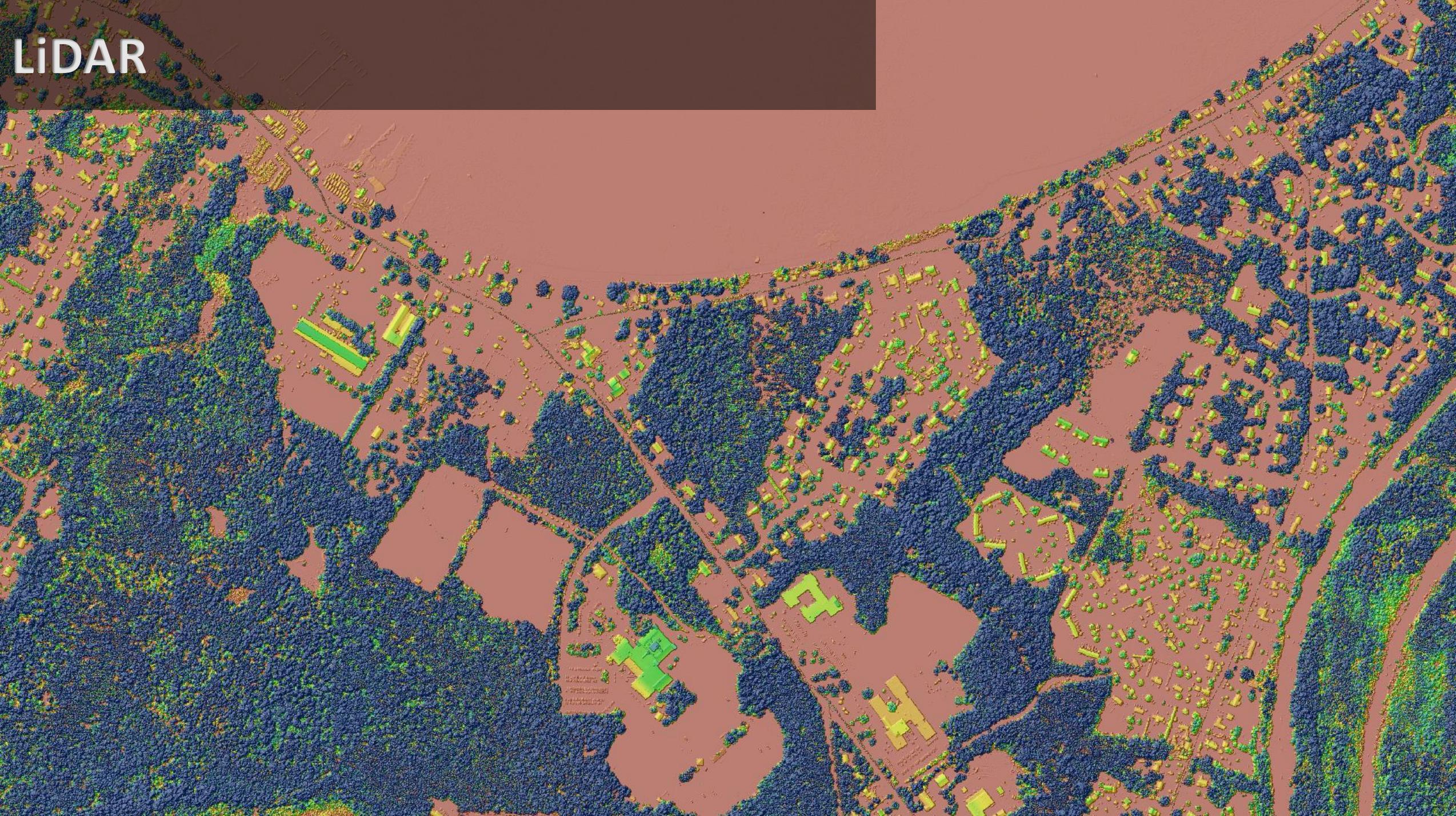


This Project in
a Nutshell

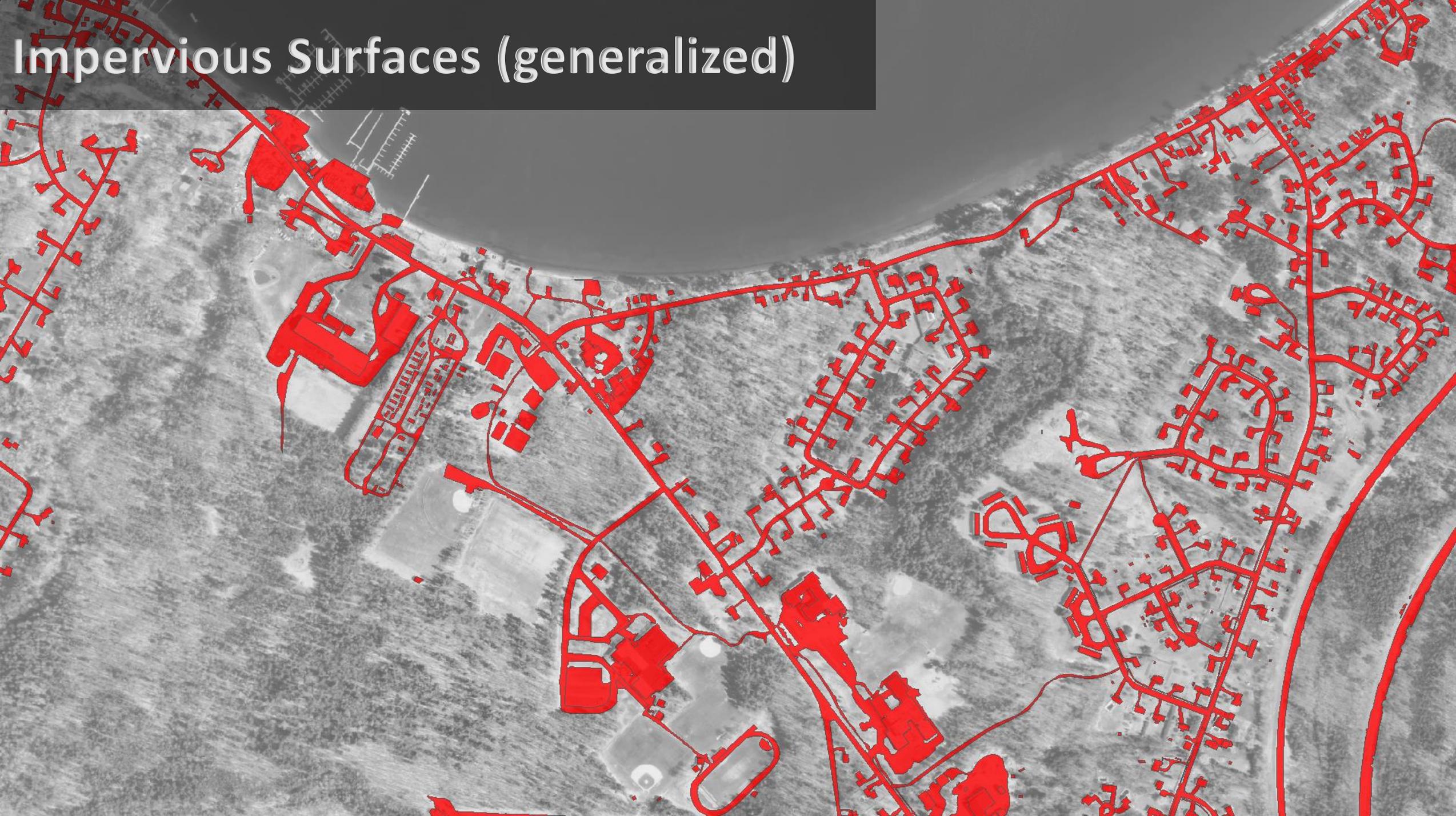
Imagery



LiDAR



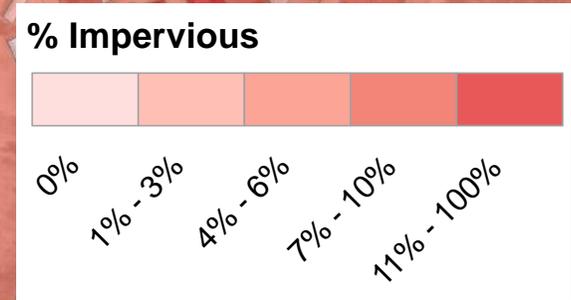
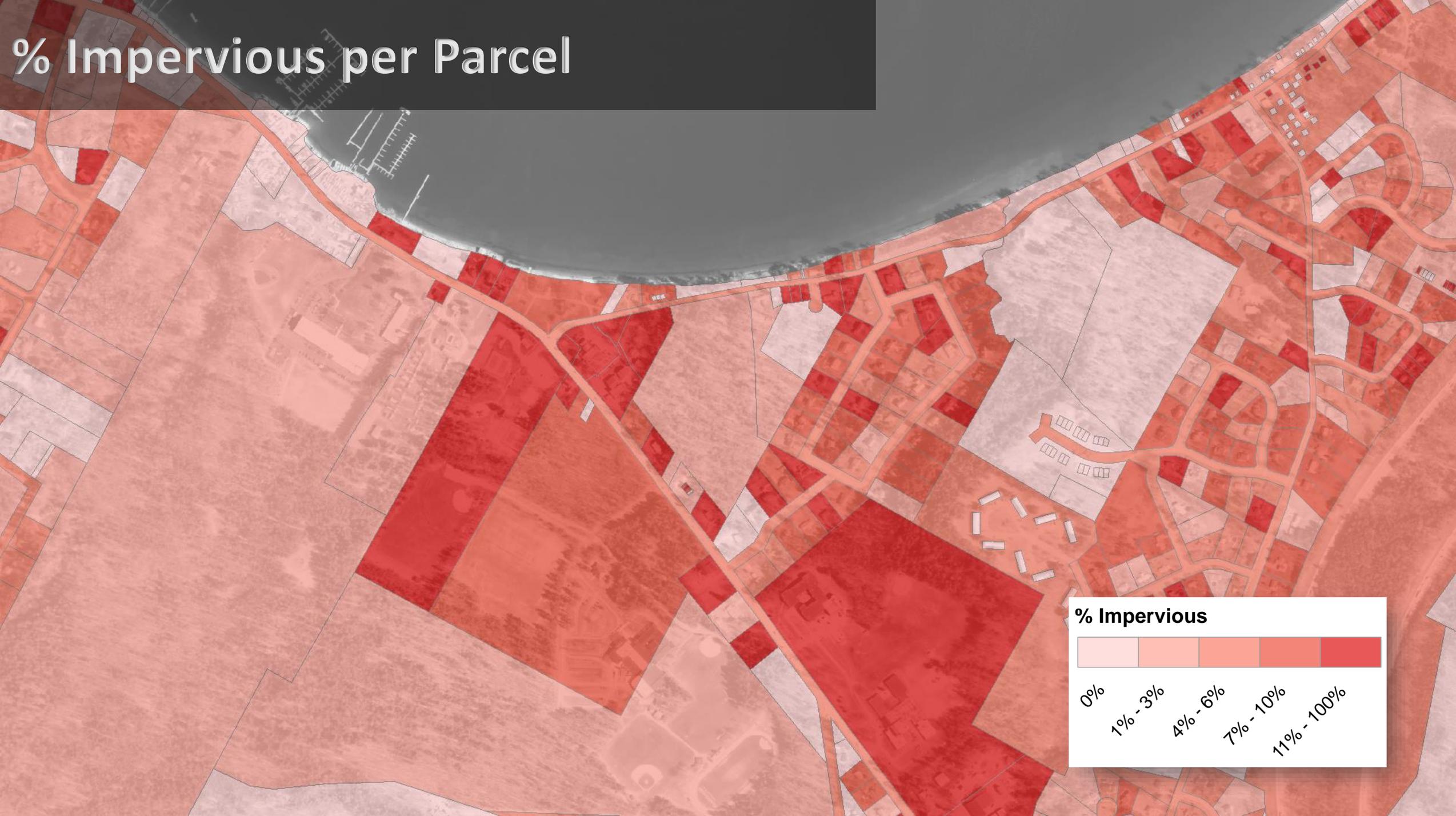
Impervious Surfaces (generalized)



Parcels

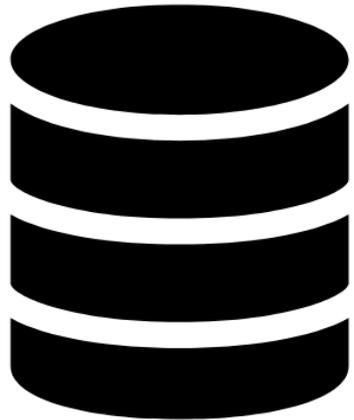


% Impervious per Parcel

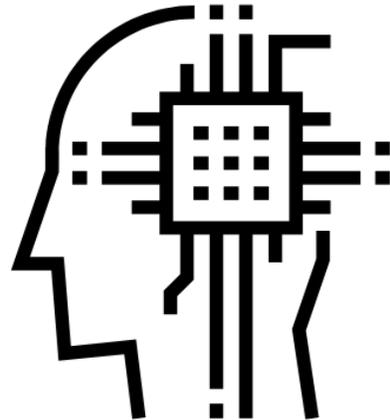


2016

0.5 meters



Data



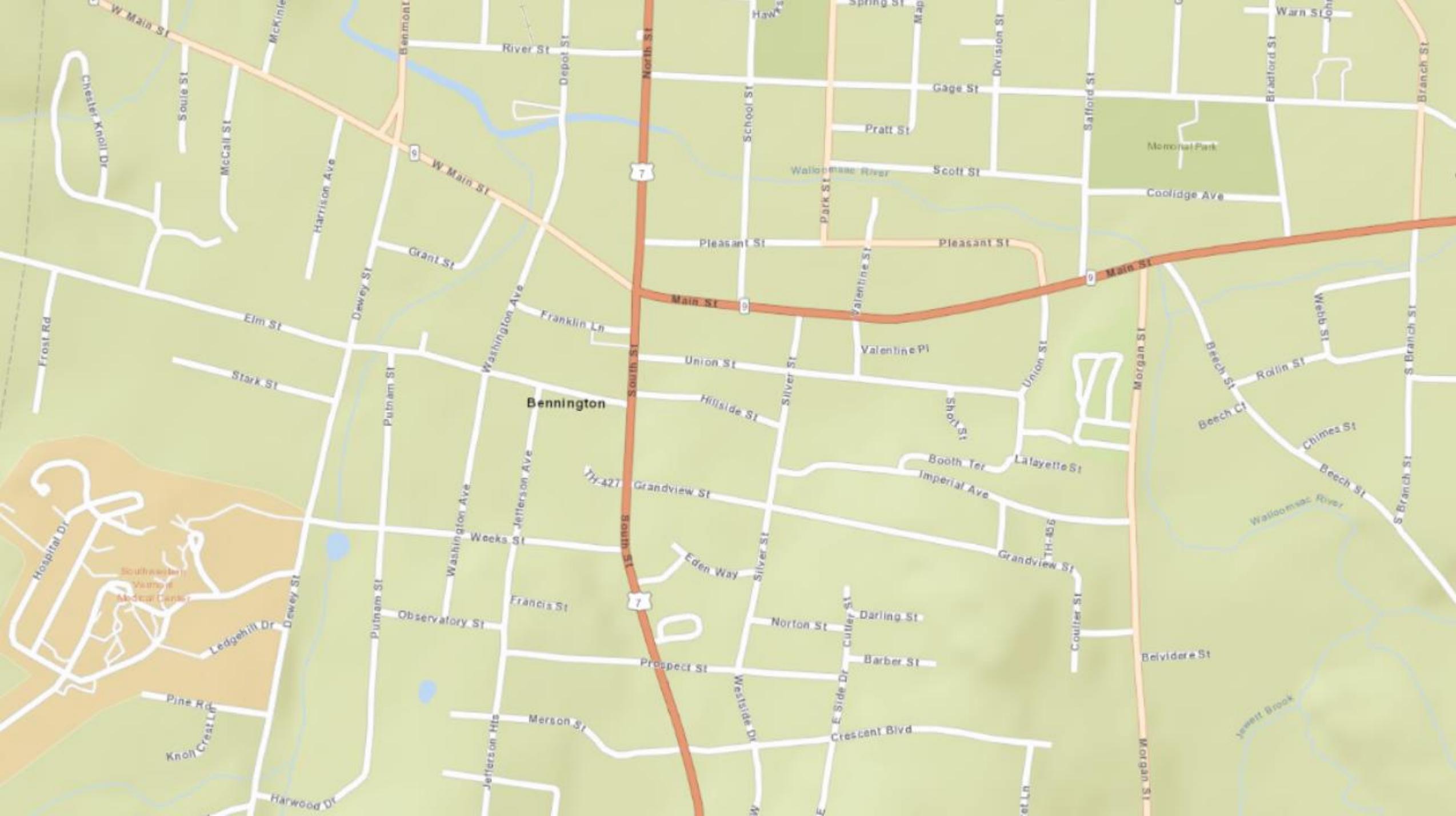
Algorithms



People

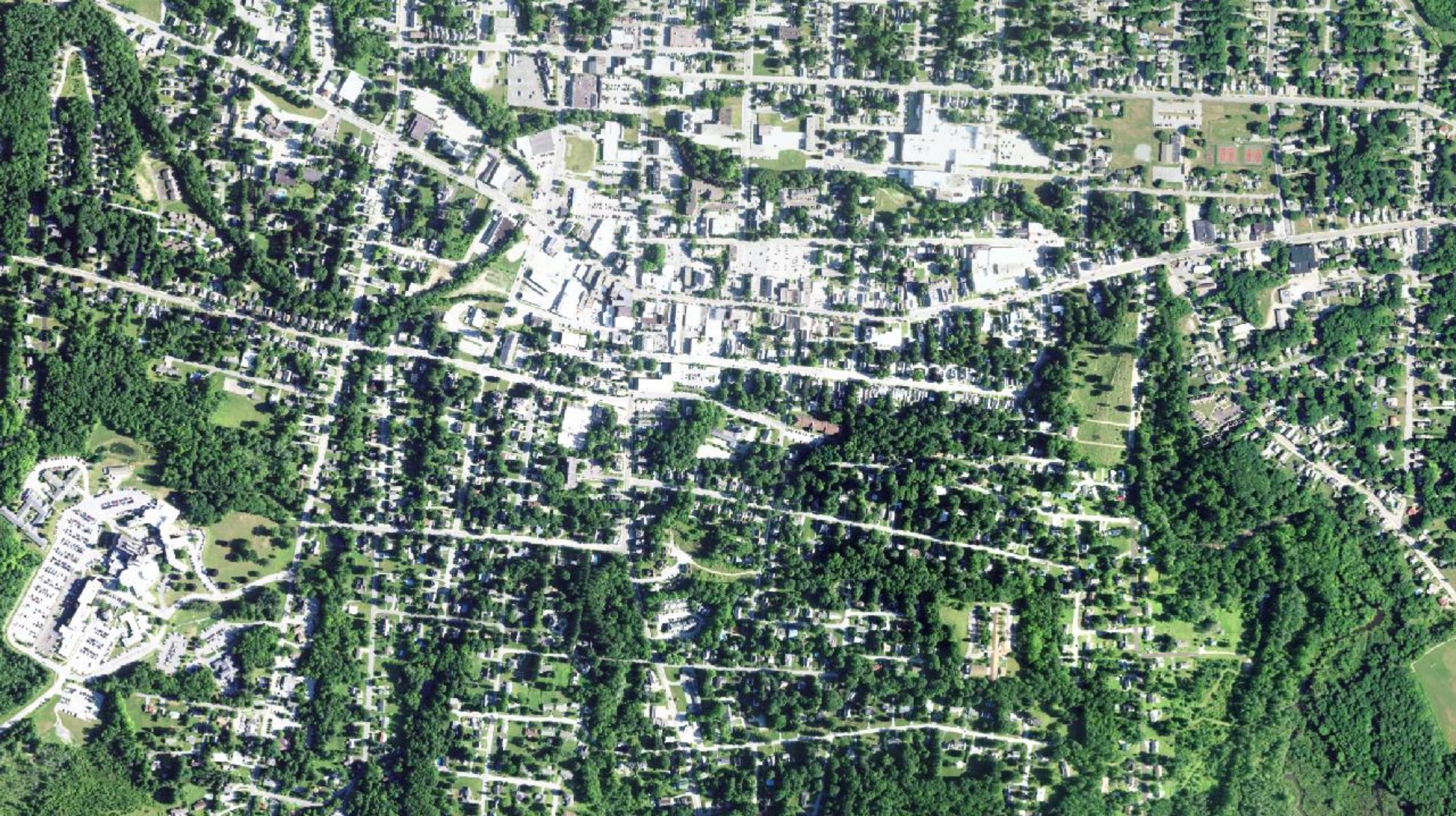


Sample
Output











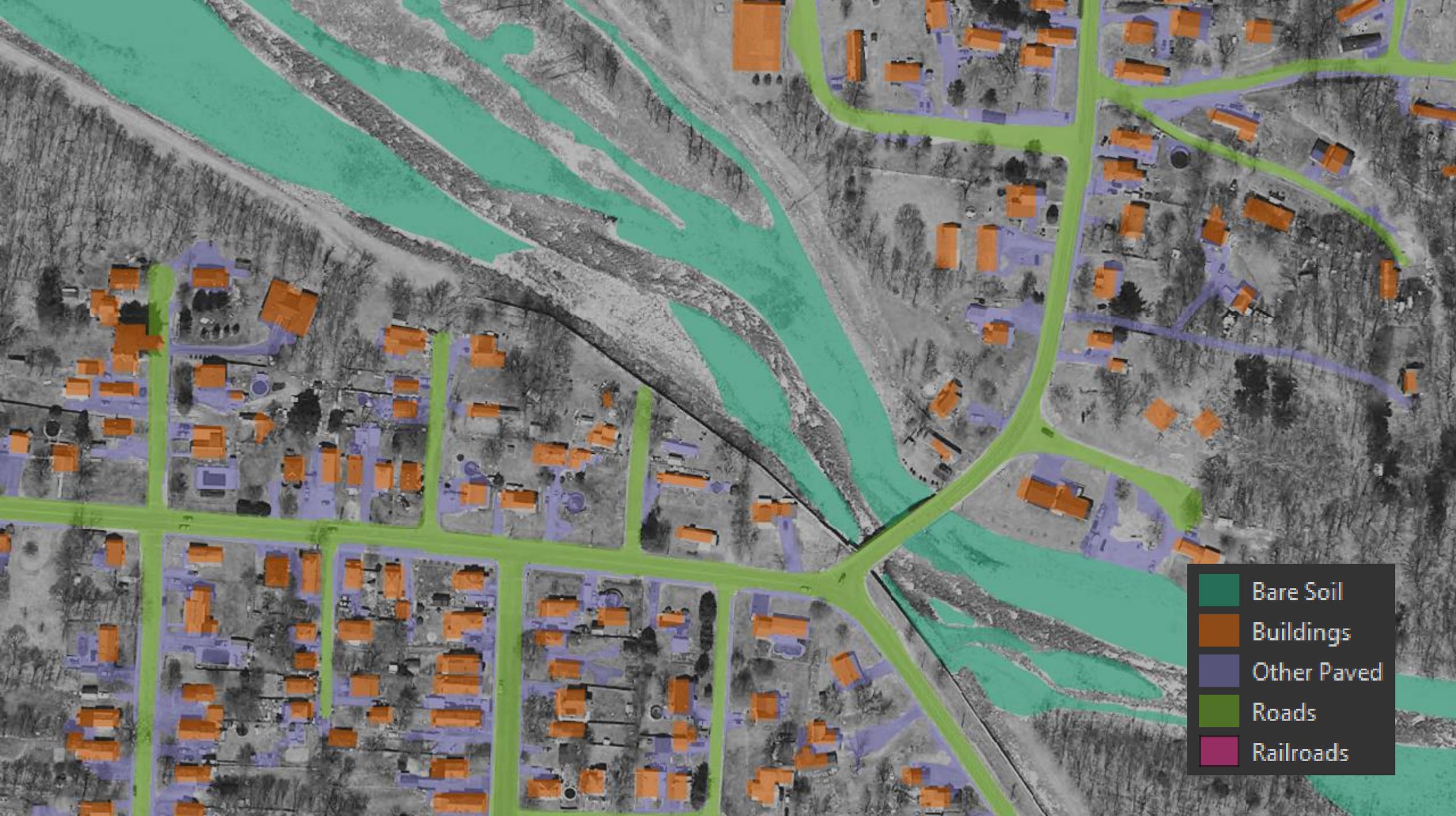




- Bare Soil
- Buildings
- Other Paved
- Roads
- Railroads



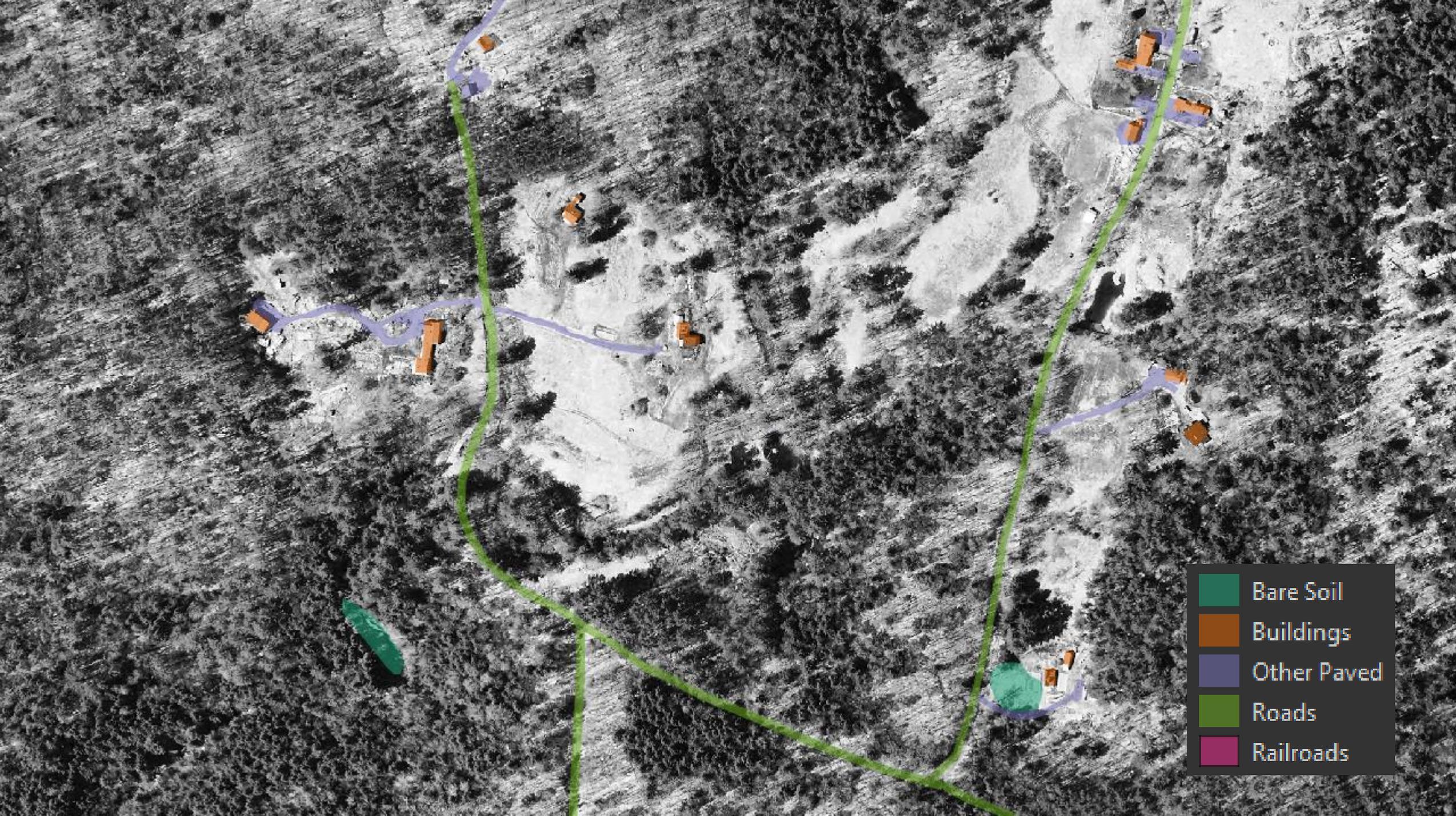




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Project Status



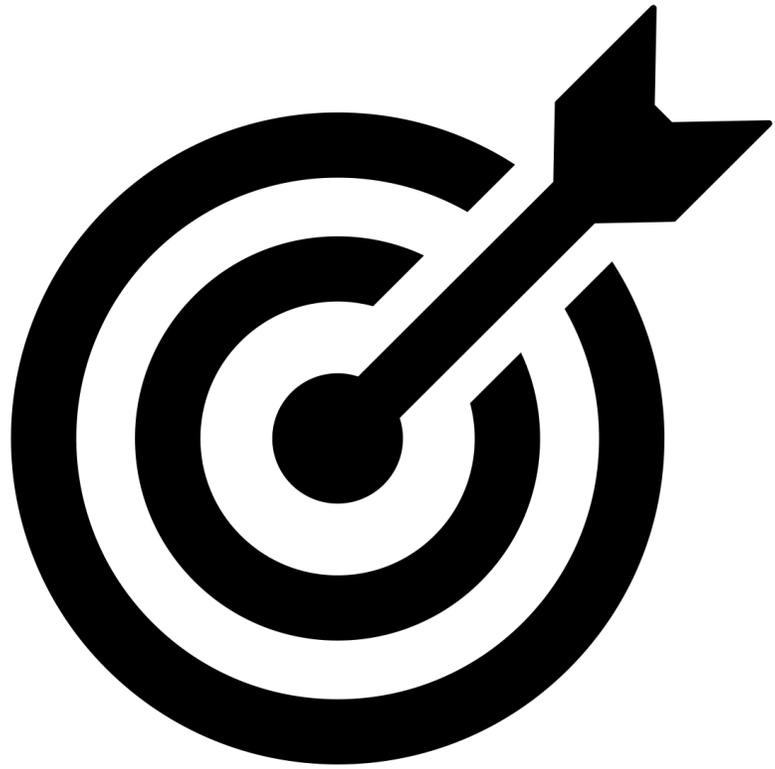
Initial Map



Review Period



Final Map



How accurate
is the
mapping?



How do we update
the product?





How much
will it cost?

\$20k-\$40k



Analytics

Impervious Area (sq ft) (bin)

