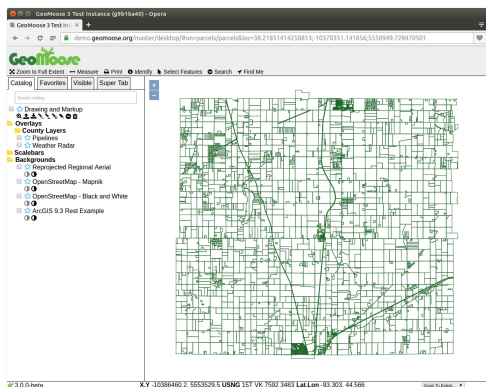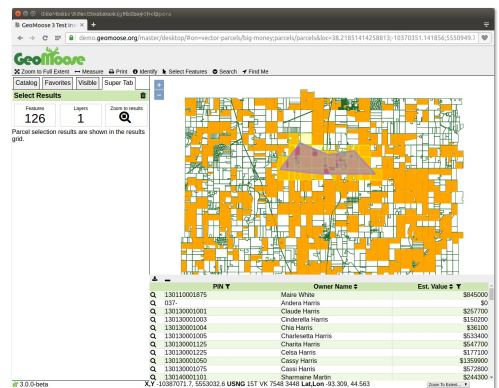## What is GeoMoose?

GeoMoose is a Web Client JavaScript Framework for displaying distributed cartographic data. GeoMoose has a number of strengths including modularity, configurability, and delivers a number of core functionalities in its packages. GeoMoose is also very light weight for servers making it easy to handle a large number of users, with a large number of layers, and a large number of services without stressing a server.

The GeoMoose core is written using JavaScript and HTML. It is entirely possible to run GeoMoose with nothing more than a basic web server (Nginx, Apache, IIS). GeoMoose 3.0 can perform complex queries like selecting, buffering and drill-down identify all without using a server-side scripting language. We exercise the functionality exposed by WMS, WFS, and other feature services to provide a dynamic experience for the user and easy administration.

Why GeoMoose?

The GeoMoose demo shows rendering parcels in the popular spherical mercator projection. These parcels are coming from a shape-file which is stored in UTM-15N. It also demonstrates how to re-project a local WMS service from native coordinates into spherical mercator. This allows users to compare local data seamlessly with popular web mapping services such as OSM, Bing, and MapBox. These are some of the most common tasks performed with MapServer and GeoMoose includes real, working, and practical examples.
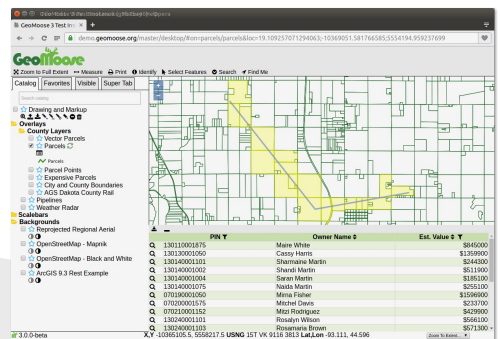
Why not GeoMoose?

Beyond rendering, gaining information on a dataset is an important every day use of a Web GIS. GeoMoose includes all of the basic tools for traditional selection, identification, and searching on a dataset. However, GeoMoose's functionality is not limited by those services. To power that functionality we have developed a power service-based architecture that users can use to create their own custom scripts in any language.

Open Source Software

GeoMoose is designed with lightweight-extensibility in mind. There are a myriad of custom configuration options, a highly flexible services architecture, and a powerful user-extension model. GeoMoose can create powerful web GIS applications for those with no programming knowledge and provides an astounding platform for those willing to write some code.