

# GeoMoose

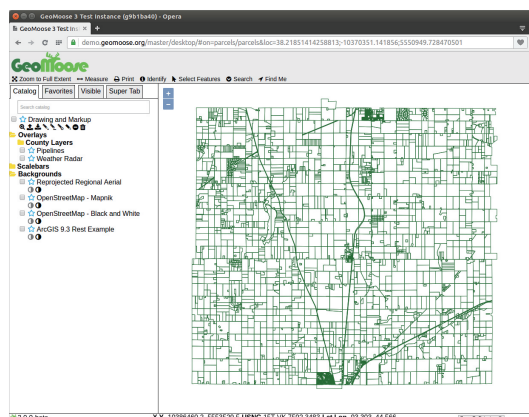
Web client framework for displaying distributed cartographic data.



## What is GeoMOOSE?

GeoMoose delivers a number of core functionalities in its packages and is highly modular and configurable. GeoMoose a lightweight application making it easy for a server to handle a large number of users, services, and layers efficiently and without undue server load.

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.

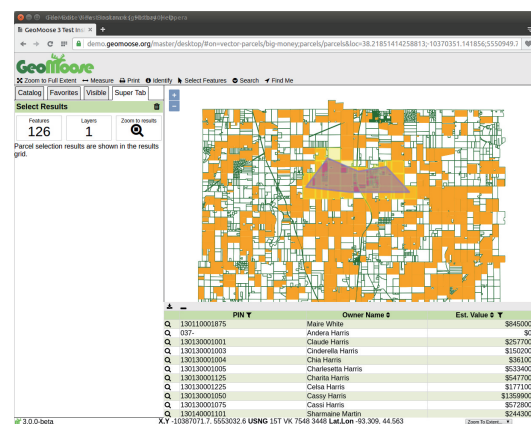


## Why GeoMOOSE?

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 Google, Bing, and OpenStreetMaps. These are some of the most common tasks performed with MapServer and GeoMooseE includes real, working, and practical examples.

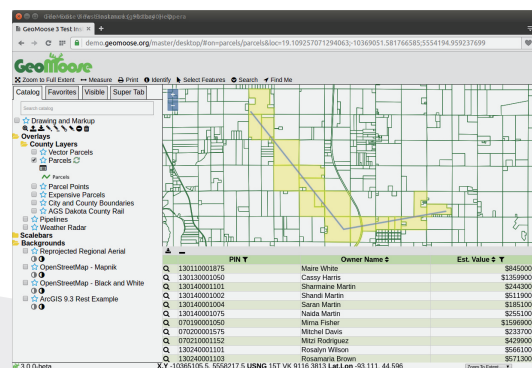
## Why not GeoMOOSE?

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.



www.geomoose.org