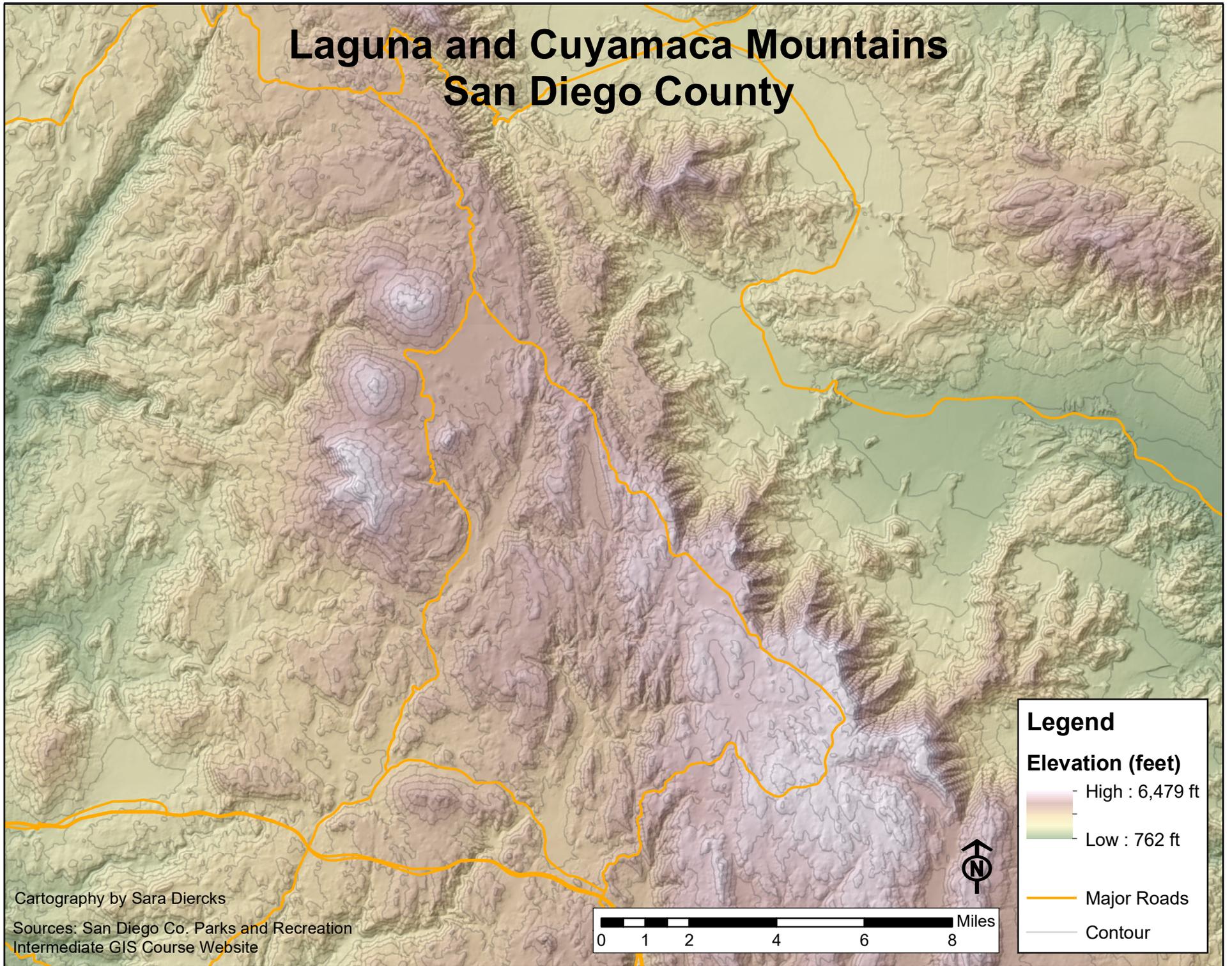


Laguna and Cuyamaca Mountains San Diego County



Legend

Elevation (feet)

- High : 6,479 ft
- Low : 762 ft

— Major Roads

— Contour

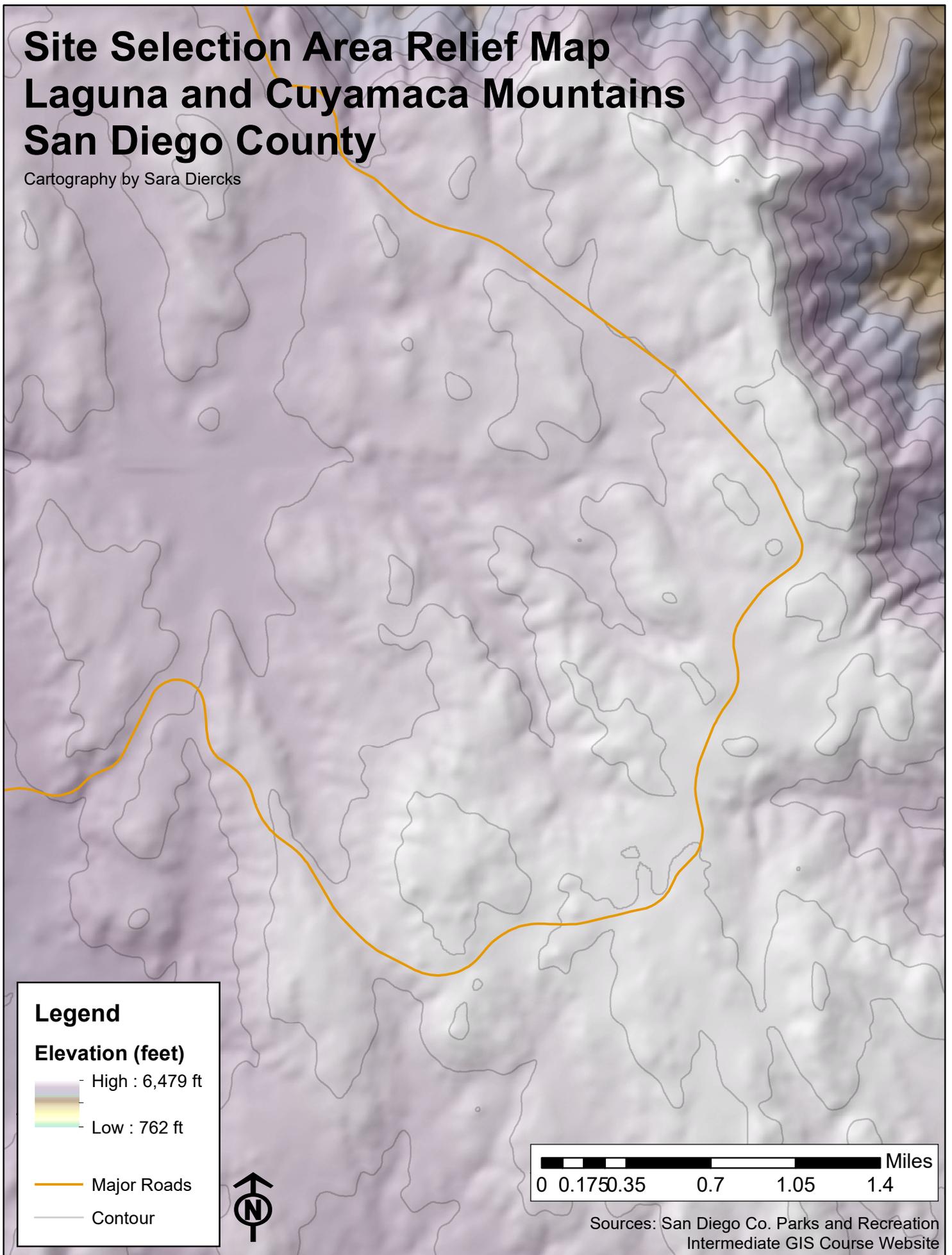
Cartography by Sara Diercks

Sources: San Diego Co. Parks and Recreation
Intermediate GIS Course Website



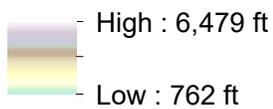
Site Selection Area Relief Map Laguna and Cuyamaca Mountains San Diego County

Cartography by Sara Diercks



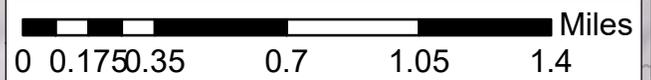
Legend

Elevation (feet)



Major Roads

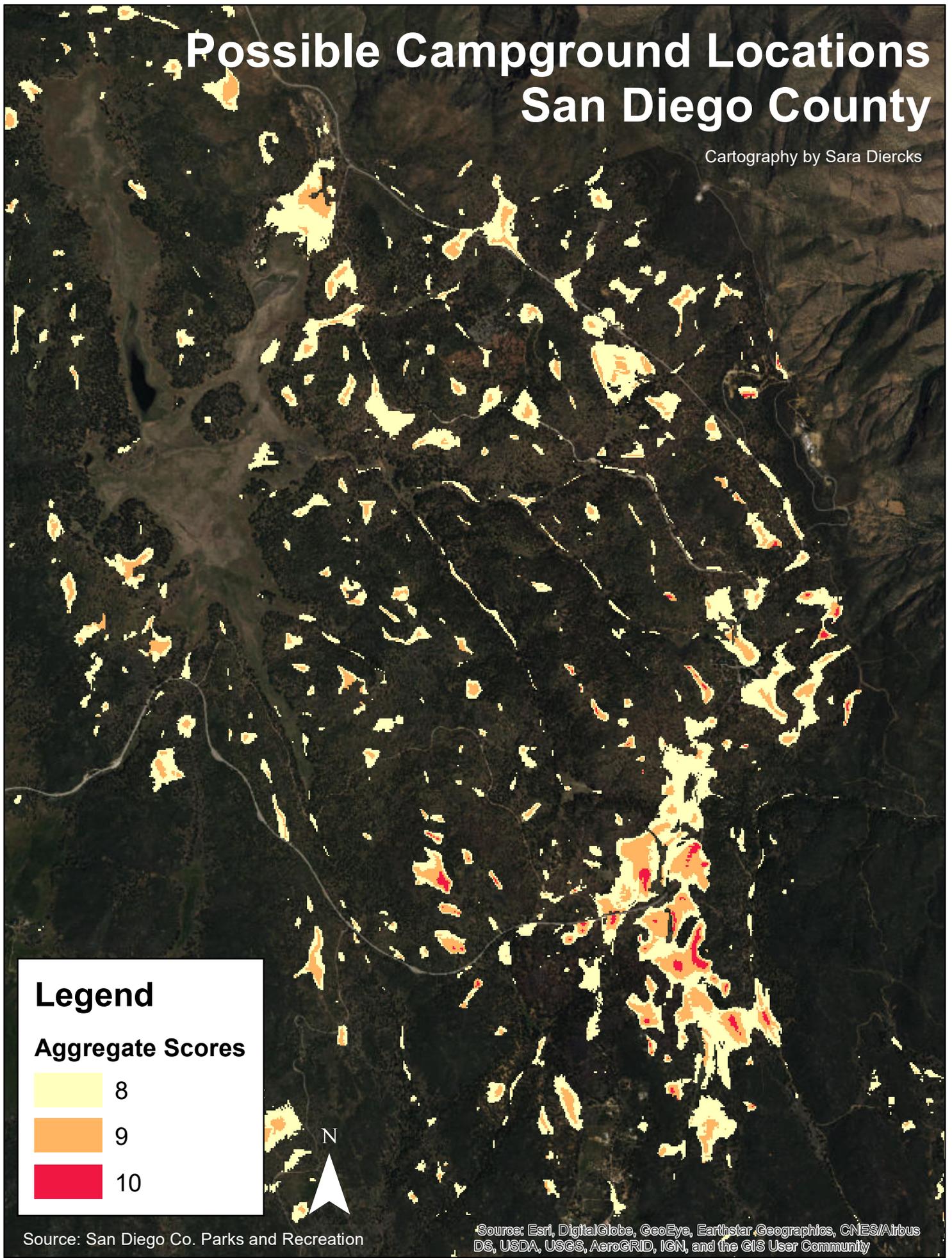
Contour



Sources: San Diego Co. Parks and Recreation
Intermediate GIS Course Website

Possible Campground Locations San Diego County

Cartography by Sara Diercks



Legend

Aggregate Scores



Source: San Diego Co. Parks and Recreation

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

San Diego County Campground Site Selection in the Laguna and Cuyamaca Mountains

By performing a number of raster processes, we were able to narrow down campground site selection to a small area, based on the required criteria given to us by the County Department of Parks and Recreation. The selected locations were chosen using an aggregate score system on how well they meet all the site criteria. Each best location has a combination of at least 5,000ft elevation and a terrain slope less than 5 degrees. The higher the elevation and lower the slope degree, the better the aggregate score; the better the aggregate score, the more ideal the site location. A score of 10 means the elevation is 6,000ft or higher and has a slope degree of 1 or lower. The selected areas also only contain those areas with the required vegetation cover of coniferous forest, oak woodlands, or mixed forests. As you can see on the site selection map, there are a few locations that have an aggregate score of 10 and are positioned right along a major road. These sites would be most ideal due to ease of access from already existing roads.

If we wanted to narrow down the site selection even more, we could refine the criteria even more. We could define the camp site size to find locations big enough to meet the campground needs. We could choose to look at site locations within a certain proximity to state or national parks and/or hiking trails, as most people camping will want to be within easy access to these things. We could also refine our site selection by specifying the distance to major roads and/or the closest town.