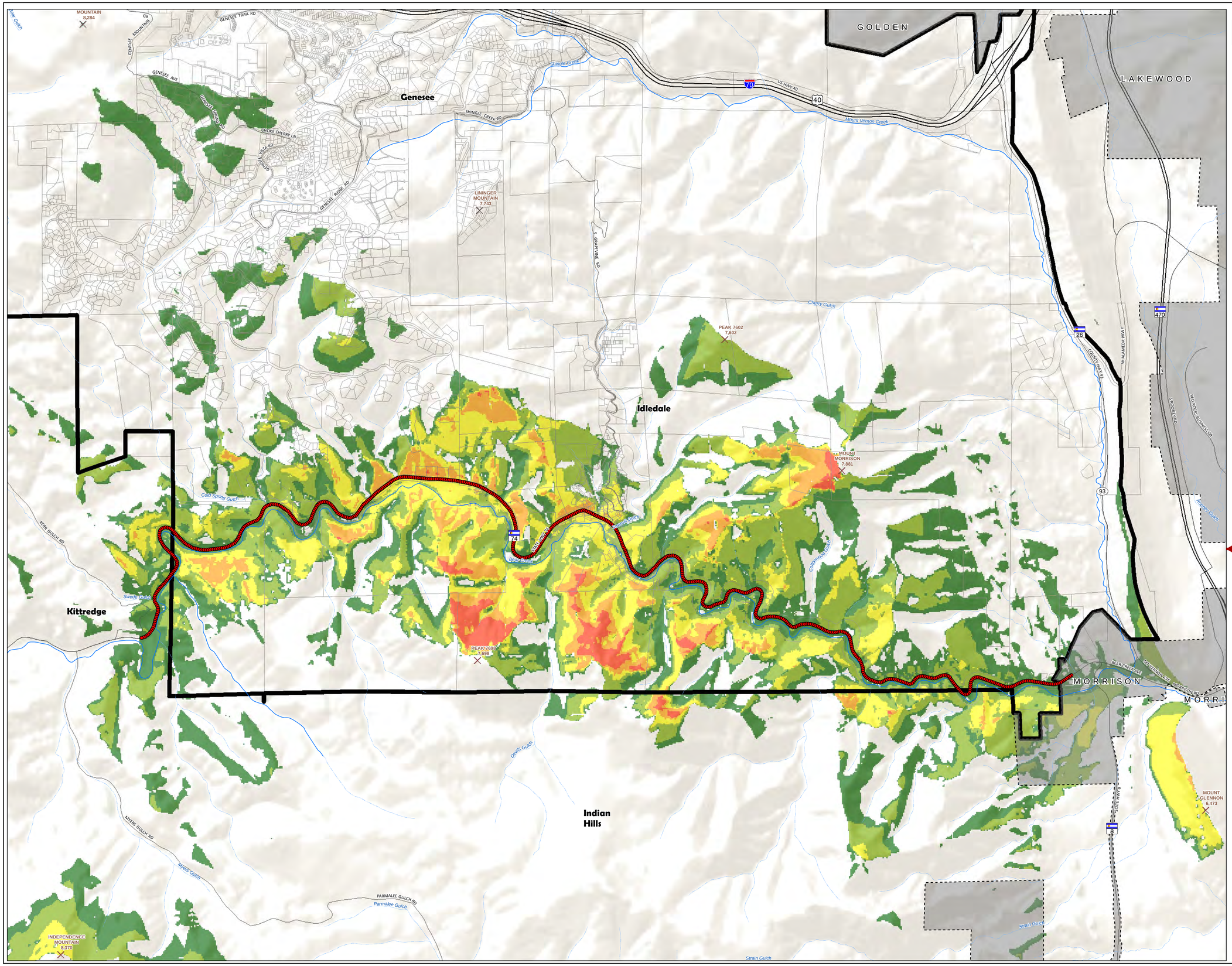
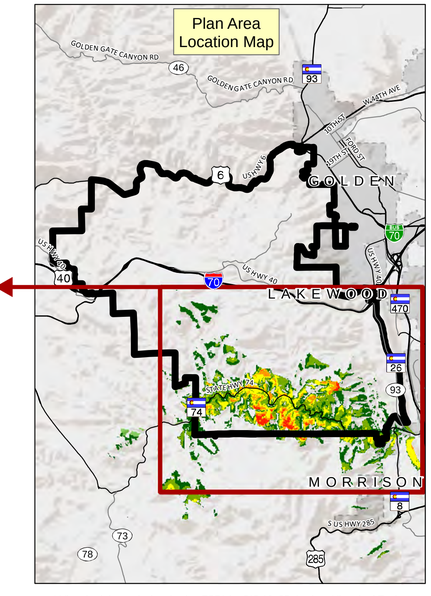
CENTRAL MOUNTAINS COMMUNITY PLAN Update

ST HWY 74 Viewshed Analysis





Legend:

- Not Visible
- Less Visible
- |
- More Visible
- |
- Most Visible
- 50 ft points used for analysis
- Parcels
- Central Moutains Area Plan Boundary
- Summits and Elevation
- Perennial Stream
- Intermittent Stream
- Cities

* Viewshed data calculated using ESRI ArcGIS 10, 3D Analyst, Viewshed Tool based on a U.S.G.S. 10 meter Digital Elevation Model as the surface. The tool determines the raster surface locations visible to a set of observer features. The features in this example are 759 points along the stretch of Hwy 74, placed in 50 foot intervals. The visibility of each cell center is determined by comparing the altitude angle to the cell center with the altitude angle to the local horizon. The local horizon is computed by considering the intervening terrain between the point of observation and the current cell center. If the point lies above the local horizon, it is considered visible. This analysis does not consider vegetation, which may decrease the viewshed. A 4-foot z-value was used for estimated driving eye level.

NORTH

0 0.25 0.5 1 Miles

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Stateplane Coordinate System
Colorado Central Zone
Datum: NAD83
November 7, 2013

JEFFERSON COUNTY COLORADO

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