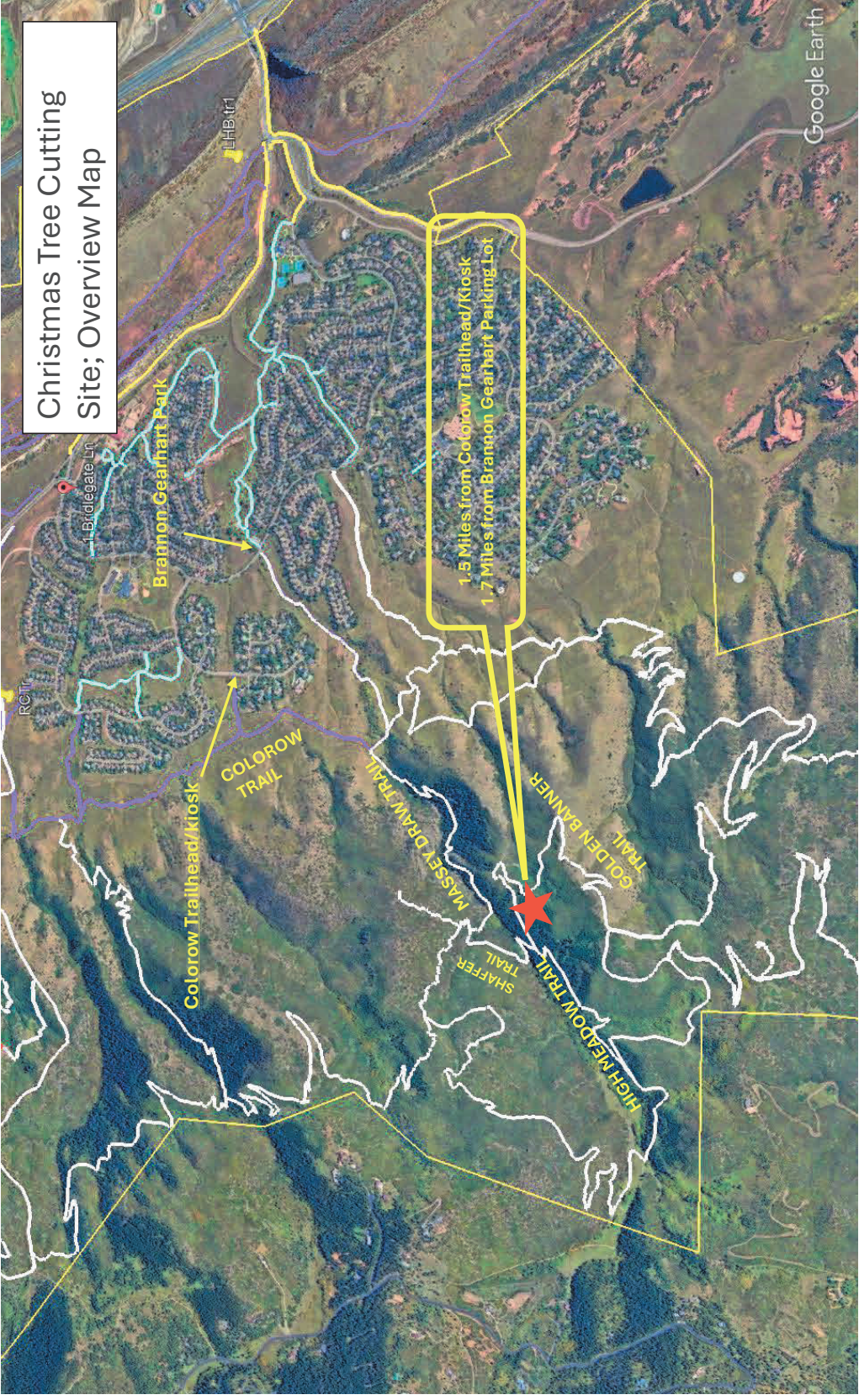


**Christmas Tree Cutting Site; Overview Map**



Christmas Tree Cutting  
Site; Site Map

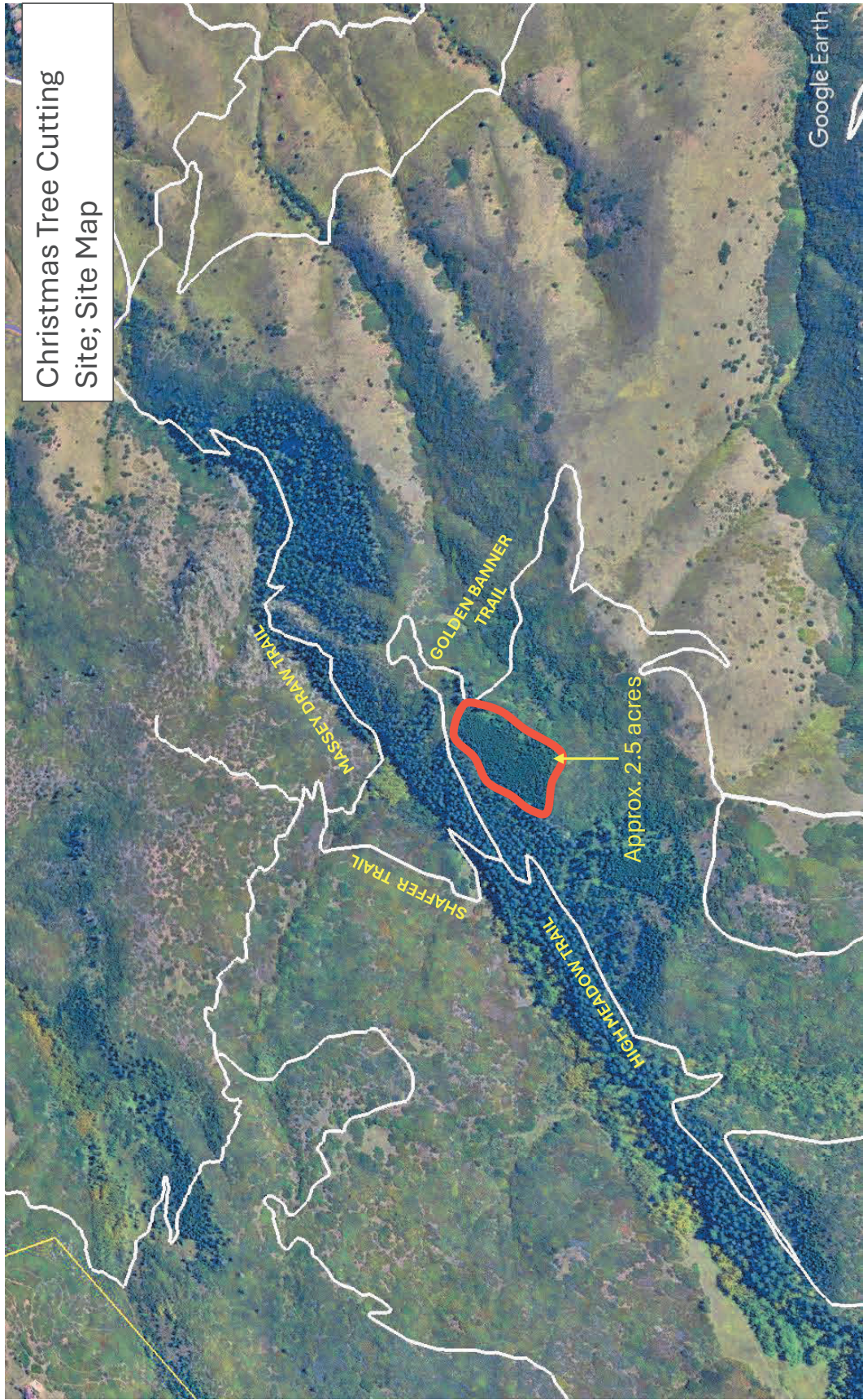




Photo of Christmas tree harvest In Douglas fir regeneration forest Type. Docmann Gulch.

Density of this stand is too high for ideal forest health

Photo of Christmas tree  
harvest In Douglas fir  
regeneration forest Type.  
Docmann Gulch.

This density reduces the  
vigor of individual trees  
and creates a more severe  
wildfire hazard



## 7.4.2 THINNING IN DOUGLAS-FIR REGENERATION

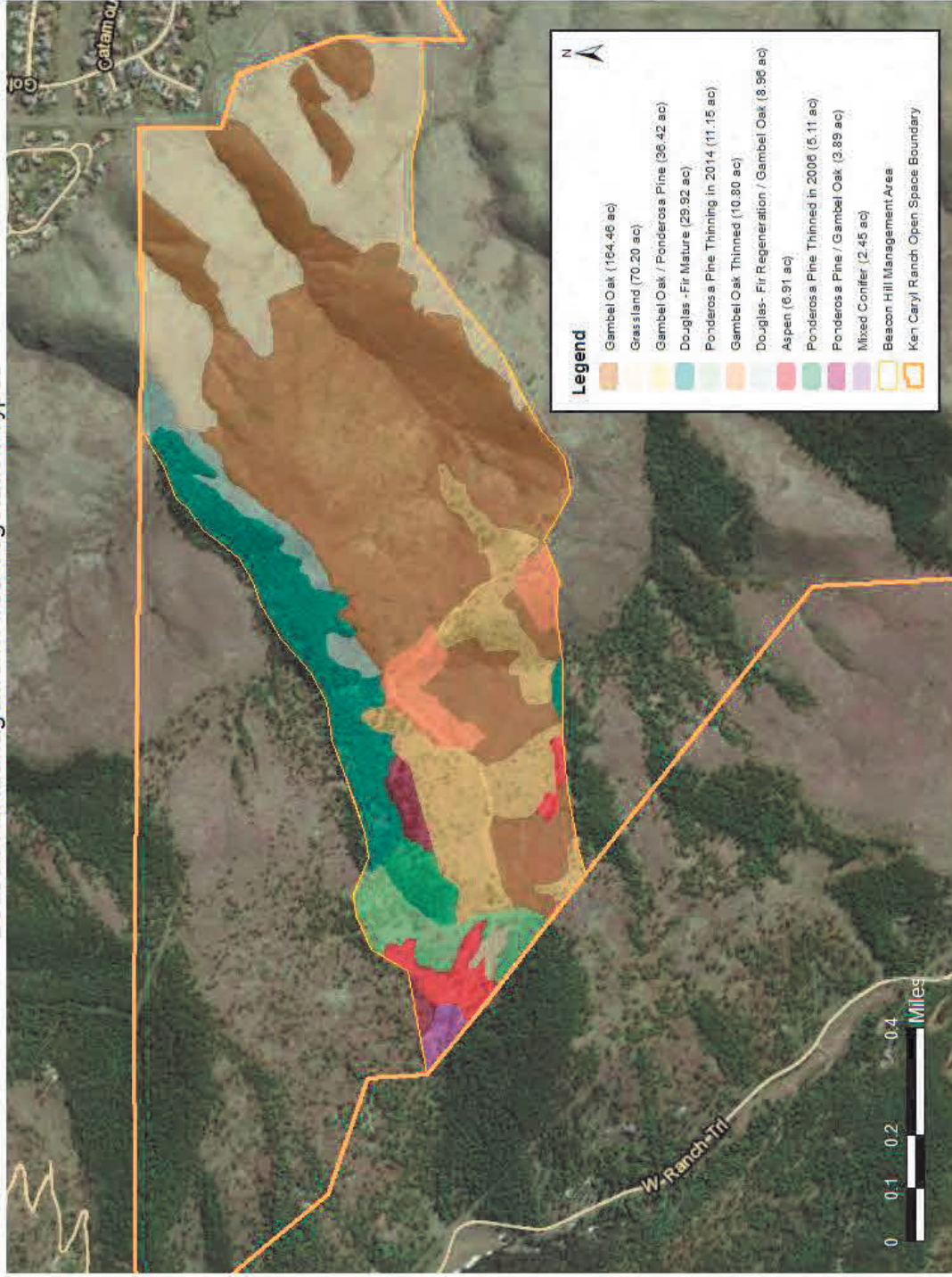
The Douglas-fir regeneration forest type is variable in density. In many areas, the density is too high for ideal forest health and leads to increased wildfire hazard. This density reduces the vigor of individual trees, as they fight for sunlight, water, and nutrients. Wildfire hazard is more severe as there are continuous vertical and horizontal fuel connections. Where these regeneration areas occur immediately adjacent to other forest types (especially mature Douglas-fir), this wildfire risk increases the chances of a ground fire spreading into the crowns of the mature forest stand.

Thinning in this forest type will be “timber stand improvement”, where the best developed and shaped trees should be kept, with an average spacing of 10-15 feet between the residual trees. No trees should be left adjacent (within 20 feet) to mature overstory trees. This work can be conducted by hand crews, or may be conducted by the use of mechanical equipment (such as mastication machinery). The amount of fuels produced from this thinning may be substantial, as almost all cut trees will essentially be fine fuels. Treatment or removal of the cut trees will be important to protect the residual, keep trees. Options for treating these fuels may include: piling and burning of slash; chipping of trees along access roads; and mastication of hand felled trees throughout the stands.

Utilization of the cut trees is another method that should be explored. In the case of the Douglas-fir regeneration stands in the Docmann Gulch management area, Ken-Caryl Ranch Open Space has been removing Christmas trees for use by community residents. This practice should be continued and expanded wherever possible. Additional thinning and sale of Christmas trees by commercial vendors should be explored. Removal of other smaller Douglas fir trees for use as holiday greenery by commercial vendors can also be an outlet for utilization of these cut trees.

**(Ken-Caryl Ranch Open Space Forest Stewardship Plan, Page 66)**

# Beacon Hill Management Area Vegetation Types



# Massey Draw Management Area Vegetation Type

