

Andrea Rinicella

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Land Judging Report

1. The surface soil texture was sandy loam, the structure was sub angular blocky, the consistency was friable, the pH was 6.5 and the color was 10 YR 3/2.

The subsoil texture was sandy clay, the structure was angular blocky, the consistency was firm, the pH was 7.0, and the color was 5 YR 4/4.

The texture of the parent material was sandy clay loam, the structure was massive, the consistency was friable, the pH was 6.5, and the color was 5 YR 5/6.

Overall, the slope was "Moderately Sloping," about 3%, the erosion was moderate and the depth of the soil was deep.

2. There was a medium surface runoff, good site drainage, moderate infiltration rate, slow permeability of the soil, water and wind erosion hazard limiting land use, and the land was suitable for cultivation.

3. If I purchased the 100 acres of land, I would use the land for teaching/therapeutic purposes. I would create a non-profit organization that used the land to teach screened and non-life threatening inmates of a local prison how to grow organic fruits and vegetables. I would build a structure,

most likely a cabin, which would serve as their resting area. Although the land is suitable for farming purposes, the land would need a more engineered septic system. Due to the possible/likely water and wind erosion on the site, I would implement the contour plowing practice to reduce and minimize damage from the erosion. Since I would be farming on this land, I would already be implementing crop rotation, so that would help with the erosion as well. In order to prep the soil for future usage, I would need to add many essential nutrients to ensure the soil's fertility, health, and longevity.