

Hemp Cultivation Overview

Board of Supervisors Retreat
February 27, 2020

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Background



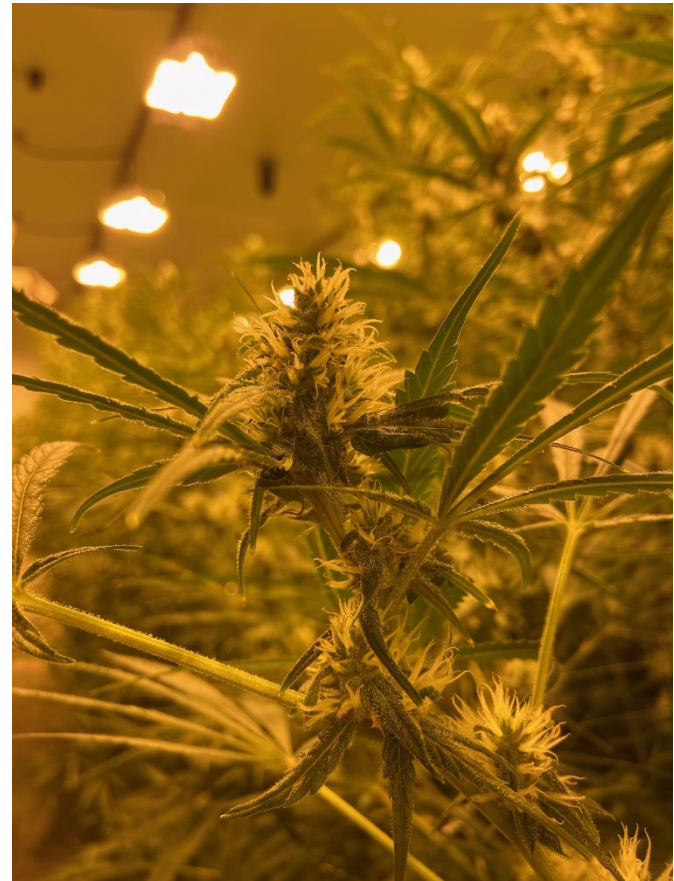
- Industrial Hemp, *Cannabis sativa L.*
 - Same species as marijuana, differs in concentration of THC
 - To be considered hemp, must be laboratory tested and register less than 0.3% THC
- Can be processed into various products including CBD oil, fiber, seed, seed oil, paper, textiles and more
 - CBD oil most popular and profitable commodity

Comparison

Hemp Plant



Marijuana Plant



Comparison

Hemp Plant



Marijuana Plant



Background

- Nevada Department of Agriculture (NDA) roles and responsibilities:
 - Review and Issue Permits
 - Inspections and Testing
 - Enforcement



Growing Conditions

- Can be grown both indoor and outdoor
- Grows best on soil with high nutrients and organic matter
 - ▣ Lower quality soils (i.e. clay or sandy) can be used – but can result in establishment failures



Indoor Hemp Facility



Outdoor Hemp Facility



Outdoor Hemp Facility



Environmental Concerns

- Odor
- Herbicides and pesticides
- Erosion – dust, soil and water
 - ▣ Floodplain protection
- Fertilizers
- Water use
- Wildlife and livestock



Residential Concerns

- Law Enforcement
 - ▣ Transportation concerns — indistinguishable without a laboratory test
- Neighbors and Public Perception
- Theft/Trespass
- Zoning
- Aesthetics
- Cross contamination



Residential Concerns





Regulations for Hemp Cultivation and Product Manufacturing

February 27, 2020



Potential Zoning Issues with Hemp

- Plant odor similar to marijuana
- Indistinguishable in appearance to marijuana
- Product not retailed like marijuana (i.e. no hemp “dispensaries”)

Potential Hemp Regulations:

- Regulate like agriculture and food production
- Regulate like marijuana facilities (cultivation & product manufacturing)
- Other specific hemp regulations

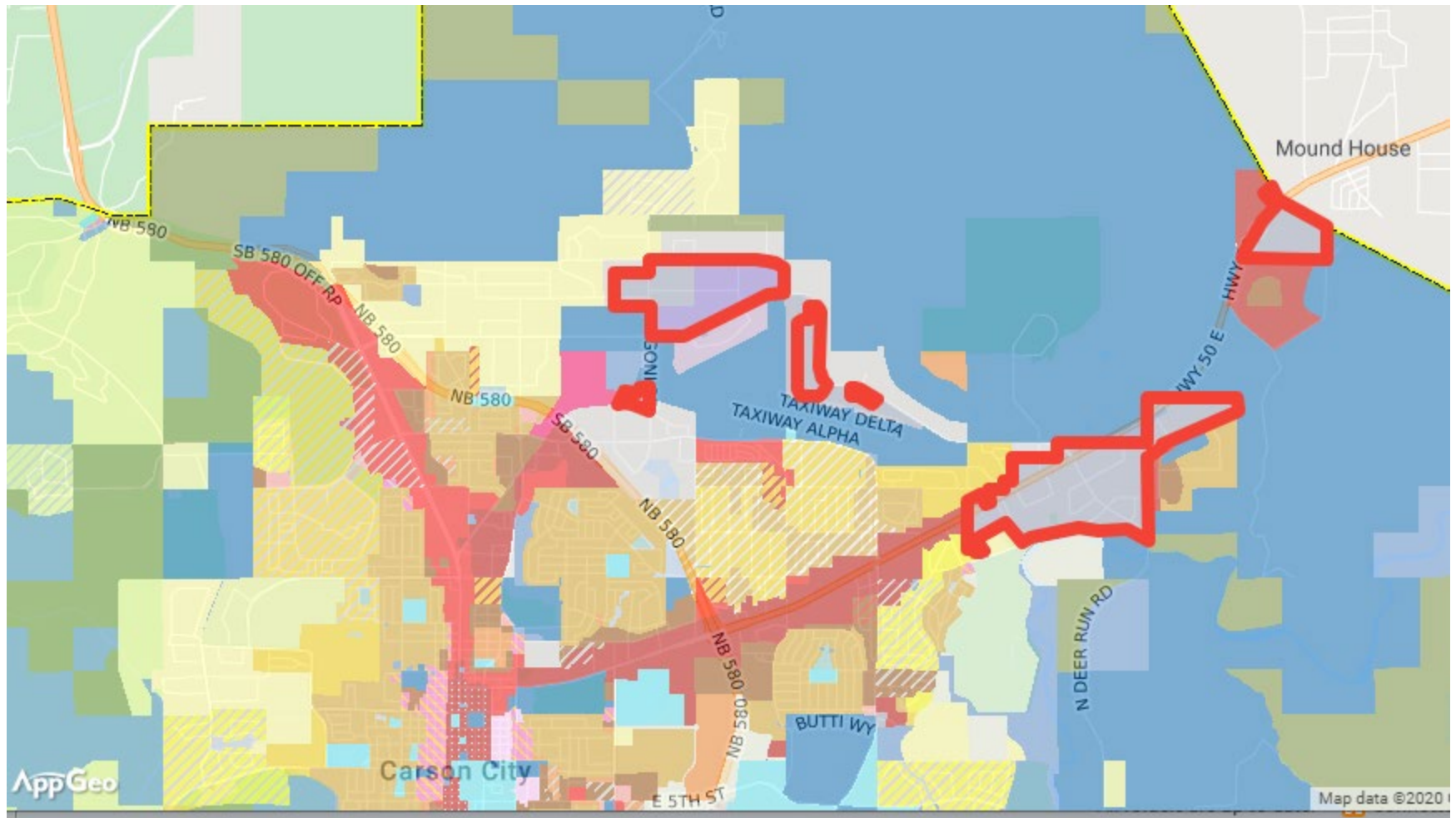




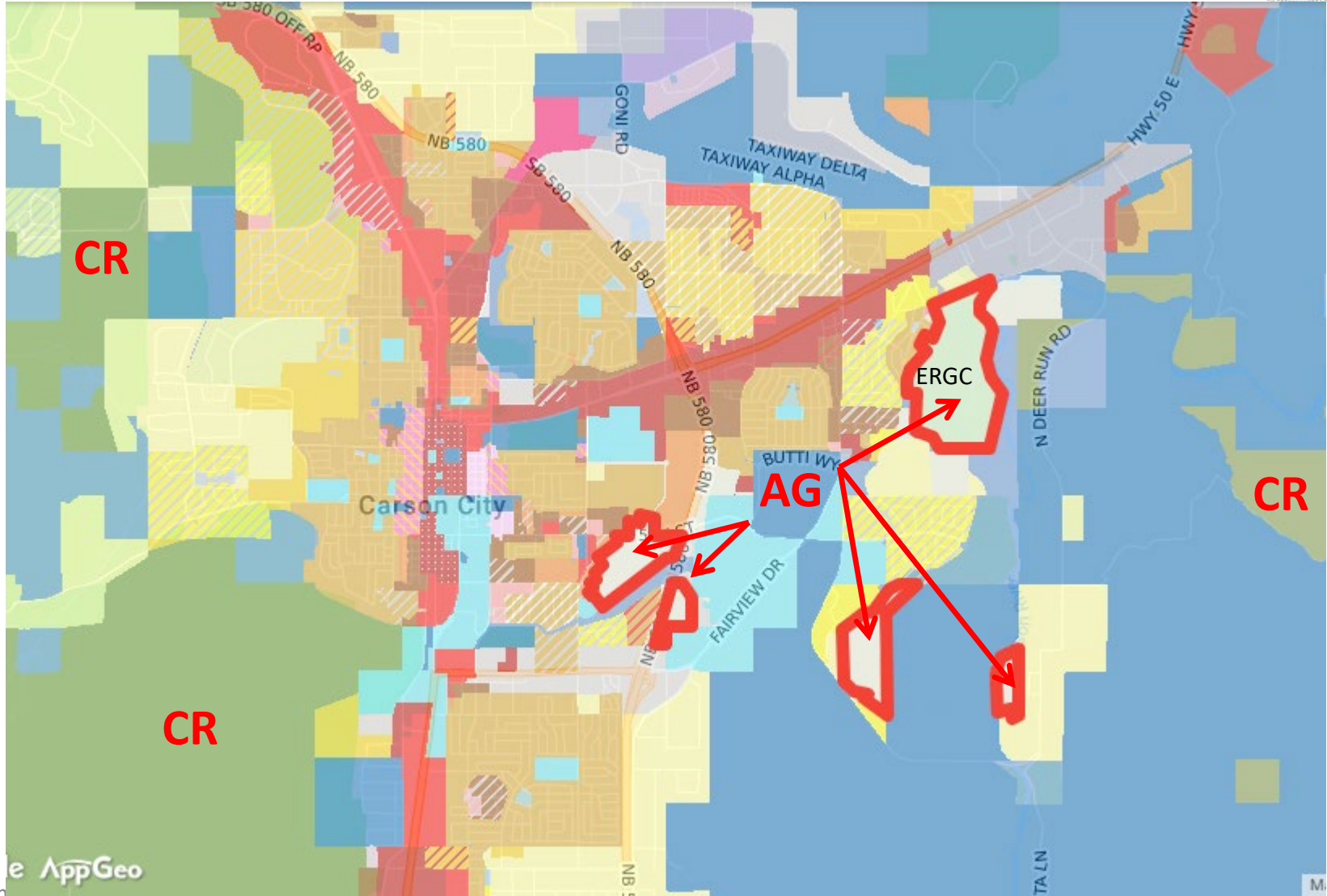
Marijuana Cultivation & Production Regs.

- Zoning: Only in General Industrial/GIA, with further location limitations (see map)
- Requires Special Use Permit
- Separation requirement from schools and other youth facilities
- All related activities must be conducted indoors
- Odors must be contained/mitigated
- Product cannot be visible from the outside
- Limited sign area and height
- Security required and access limited per State regulations
- No onsite consumption

Permitted Marijuana Cultivation and Product Manufacturing Locations



Permitted Agricultural Locations





Staff Recommendation

- Zoning:
 - Only in General Industrial/GIA, with further location limitations
 - Alternative: Expand to other industrial zones
- Required permit:
 - Special Use Permit
 - Alternative: Staff review of standards with building permit
- All related activities must be conducted indoors
 - Alternative: Allow outdoors in certain areas
- Odors must be contained/mitigated
- No additional separation restrictions
 - Alternative: Use same youth facility restrictions as marijuana
- No additional sign restrictions (use manufacturing standards)
 - Alternative: Restrict signage like marijuana