

EXPERIENTIAL LEARNING AT MULTIPLE SCALES INTEGRATION OF COMMUNITY NEEDS WITH SUSTAINABILITY GOALS

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Utah State University, Landscape Architecture & Environmental Planning 2019 National Sustainability and Energy Extension Summits Tampa, Florida, April 18, 2019

Utah State University



Landscape Architecture & Environmental Planning

- ➤ Founded in 1939 with over 1,500 graduates.
- ➤ College of Agriculture and Applied Sciences.
- ➤ 11 full time faculty and 150 students.
- > Extension role.
- ➤ Studio based teaching committed to experiential learning and sustainable design and planning.

Experiential Learning

Studio projects address current regional needs

- ➤ With the participation from stakeholders.
- > Sponsored by agencies, cities, or communities.

Annual Charrette

- involves all the department (faculty and students).
- practitioners and alumni also participate.
- classes cancelled for one week to work in the project.

Experiential Learning

Three faculty positions part of the University Extension Office

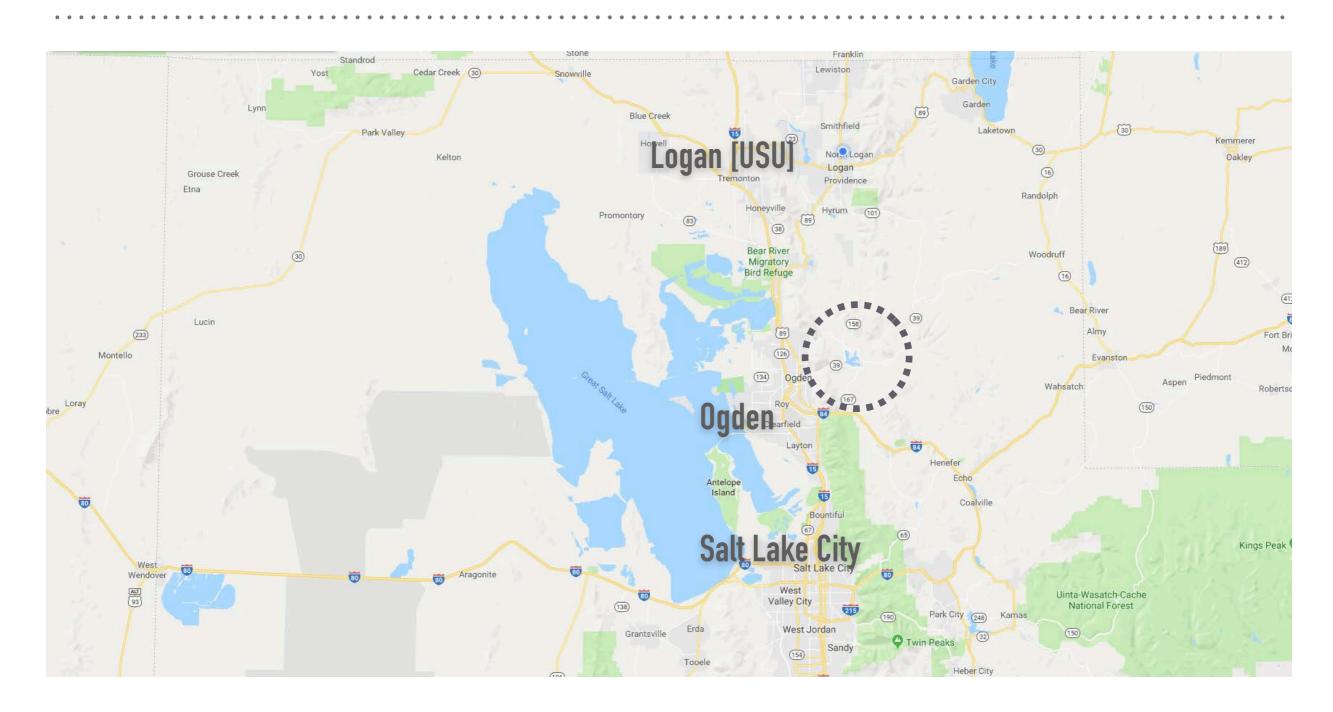
- Engage program with local issues and stakeholders
- > Bring projects to our program

Research and thesis work

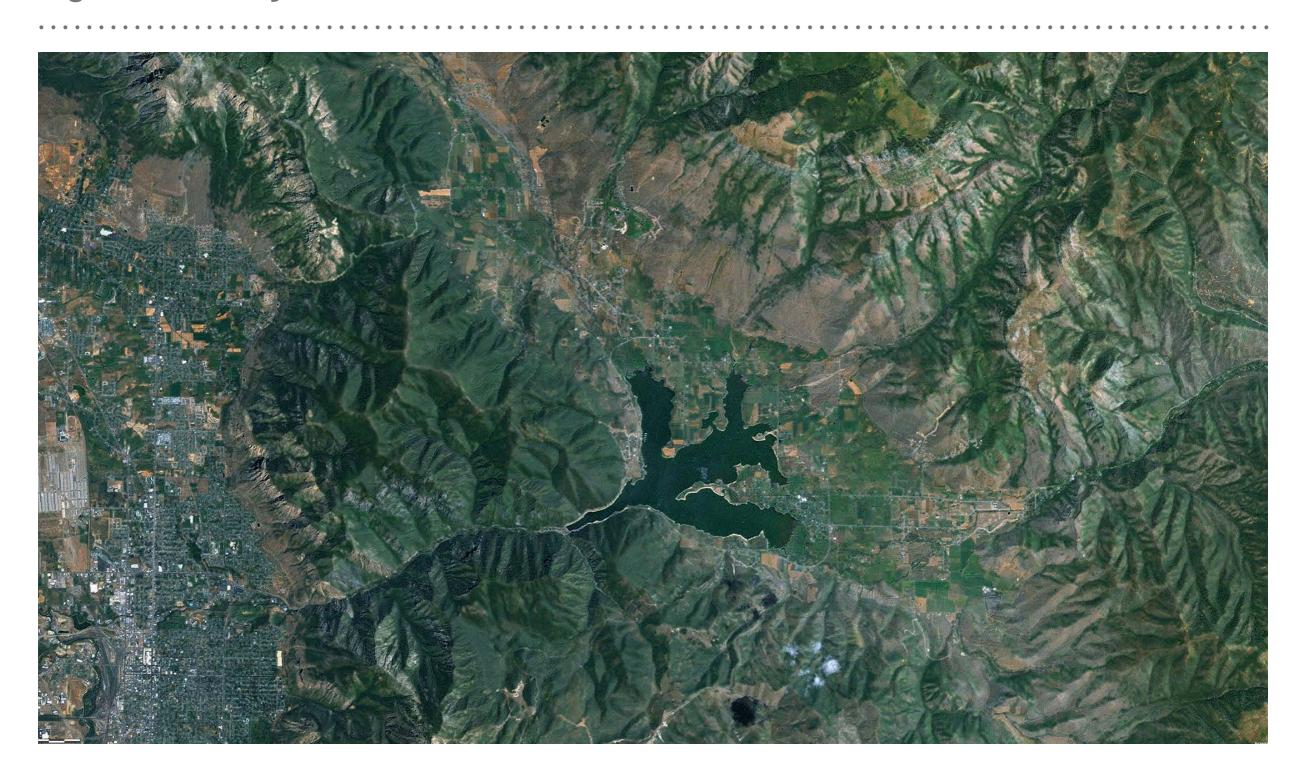
- > Emerge from studio or extension projects
- ➤ Address particular issues more in-depth

Agricultural Experiment Station

Ogden Valley, UT



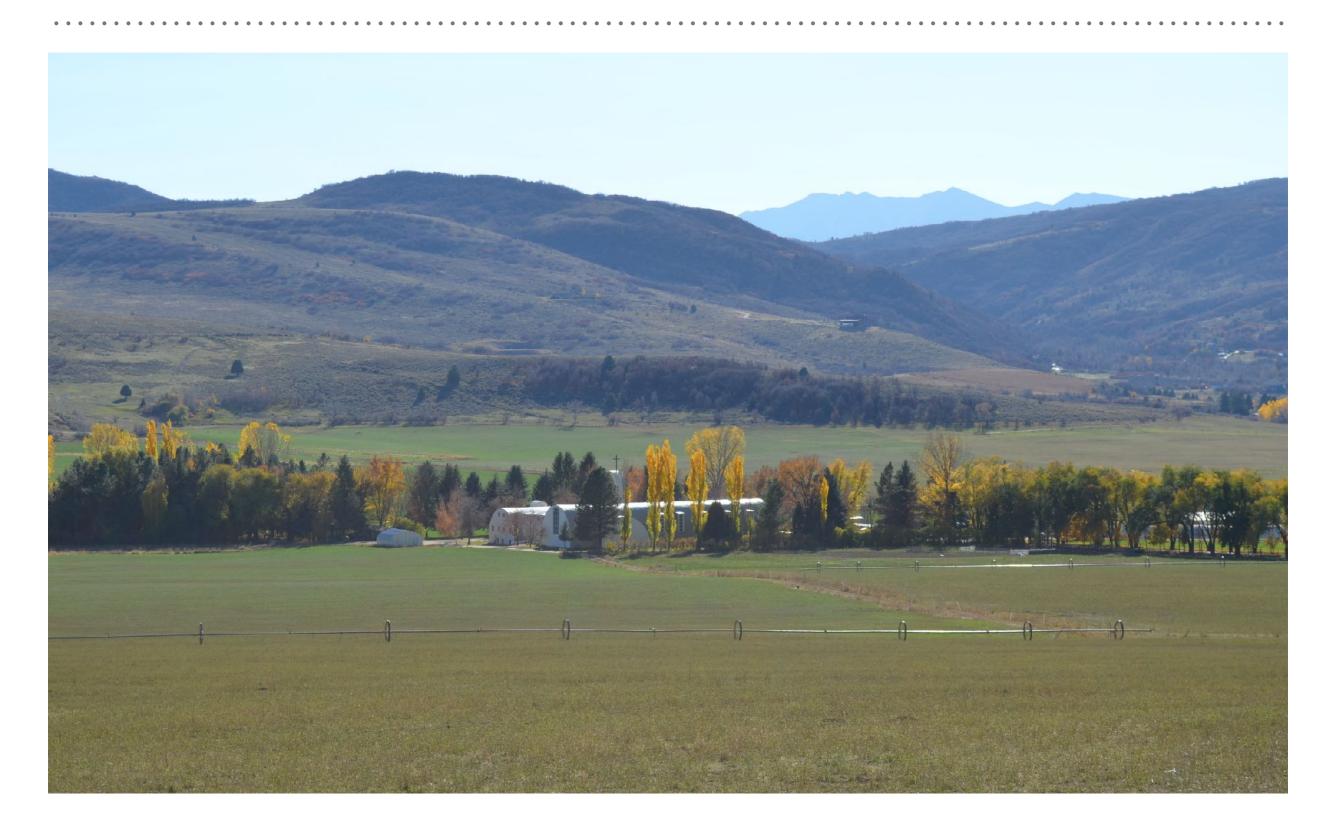
Ogden Valley, UT



Small Rural Communities



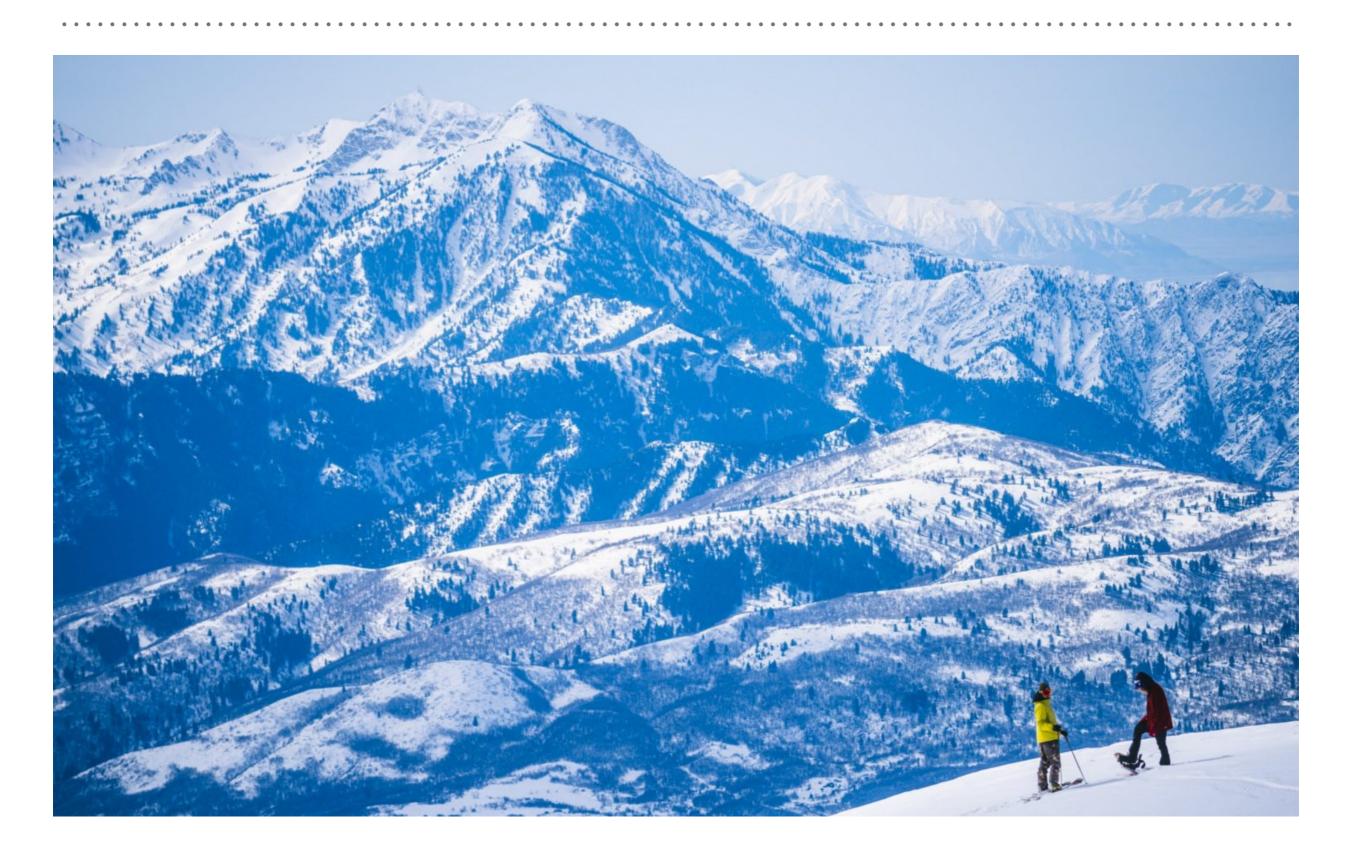
A Trappist Monastery



2012 Winter Olympics

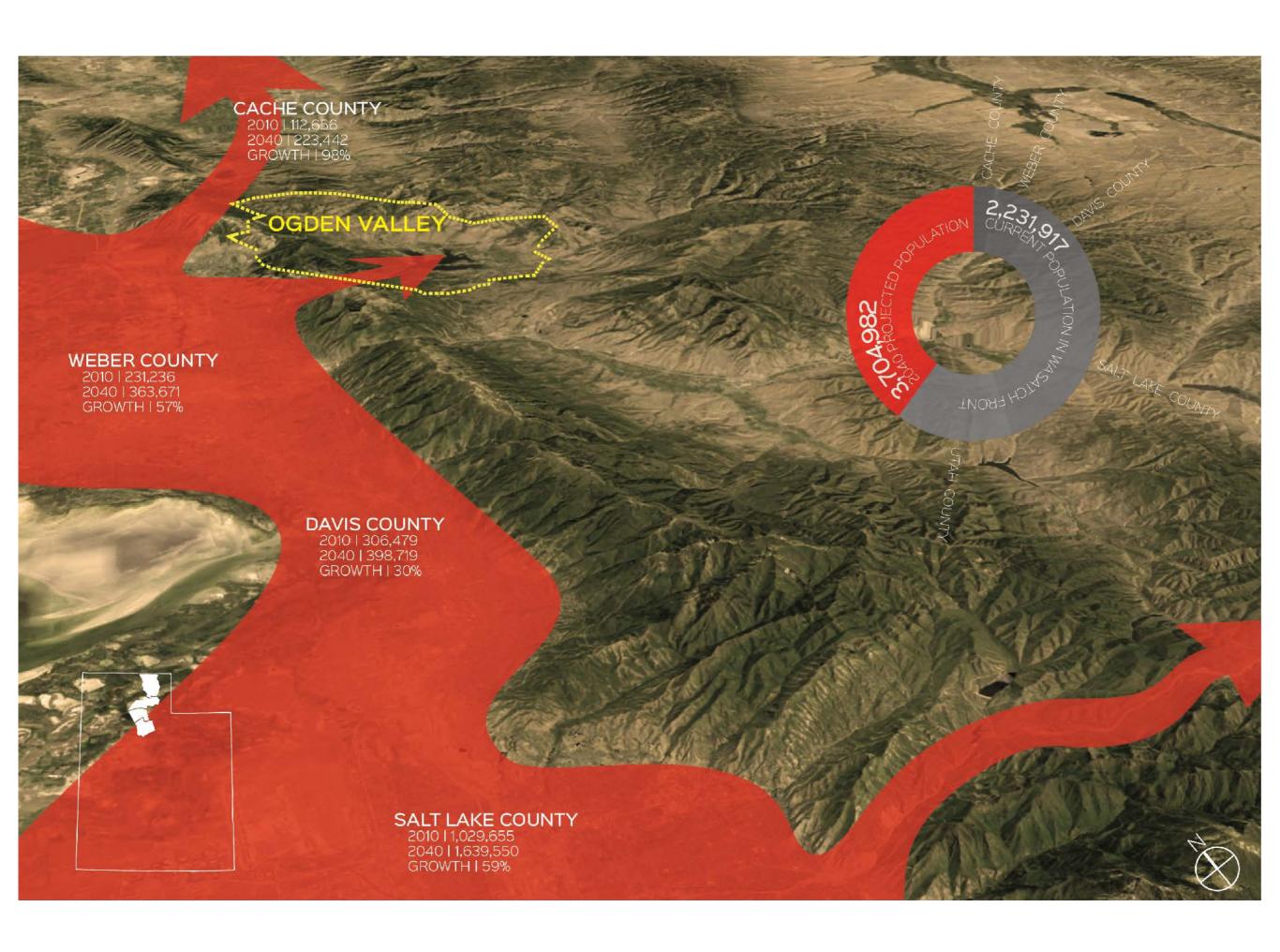


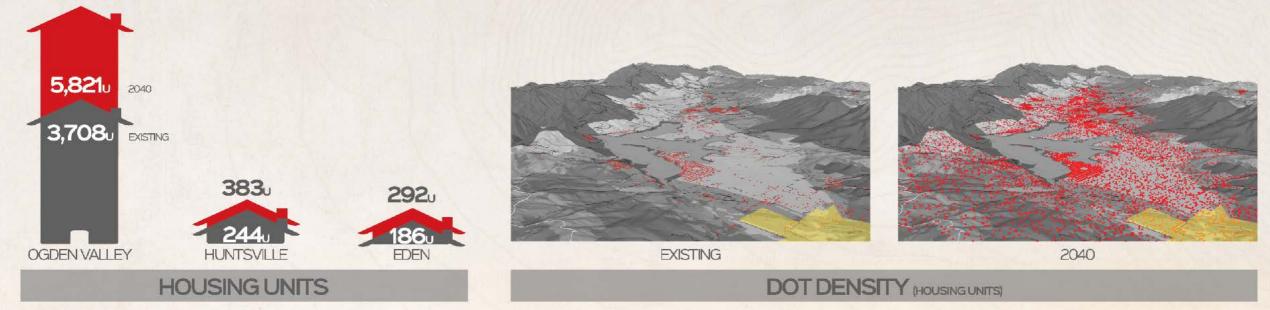
Growing Development Pressure [Resorts]

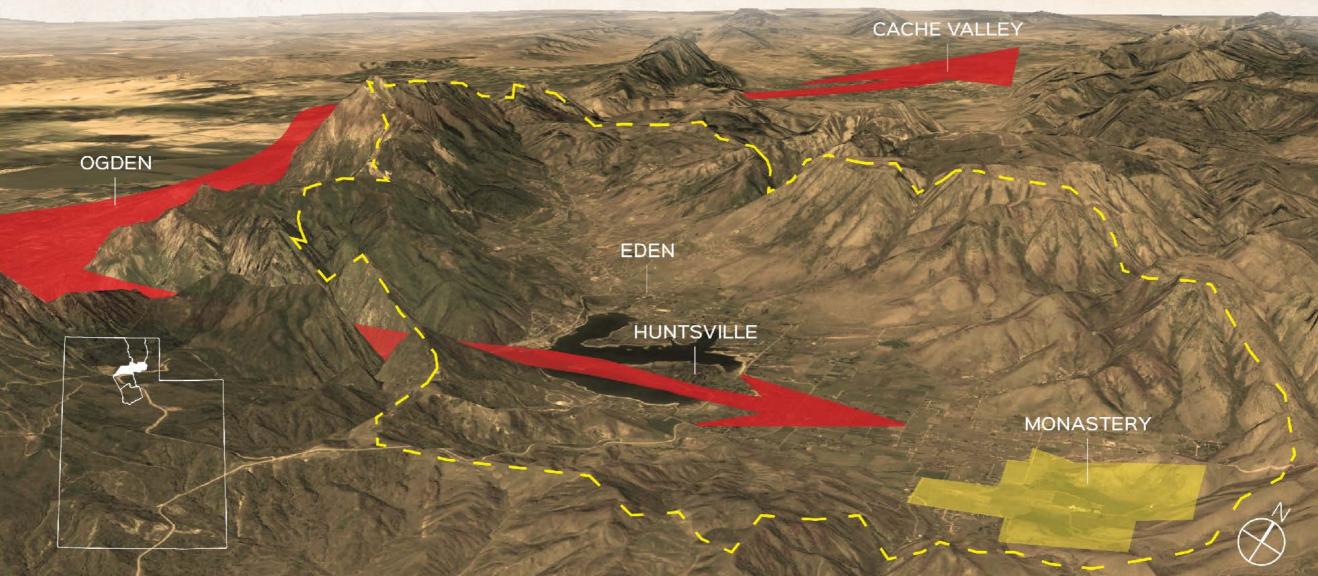


Growing Development Pressure [Resorts]









AN OMINOUS FUTURE

Current zoning practices promote development sprawl in Ogden Valley. Multiple resort developments have led to an increase in second homes and rising property taxes, placing financial pressure on long-term residents. The monastery property becomes an opportunity to conserve the valley's rural character, while utilizing progressive planning tools to improve housing affordability.

USU LAEP projects

- ➤ Annual Charrette with County Planners.
- ➤ Graduate Studio Project with the Trappist Monks.
- ➤ Annual Charrette with Ski Resort and the Valley.
- ➤ Senior Studio with *Mountain Powder*.
- ➤ Junior Studio with *Hinckley Ranch*.

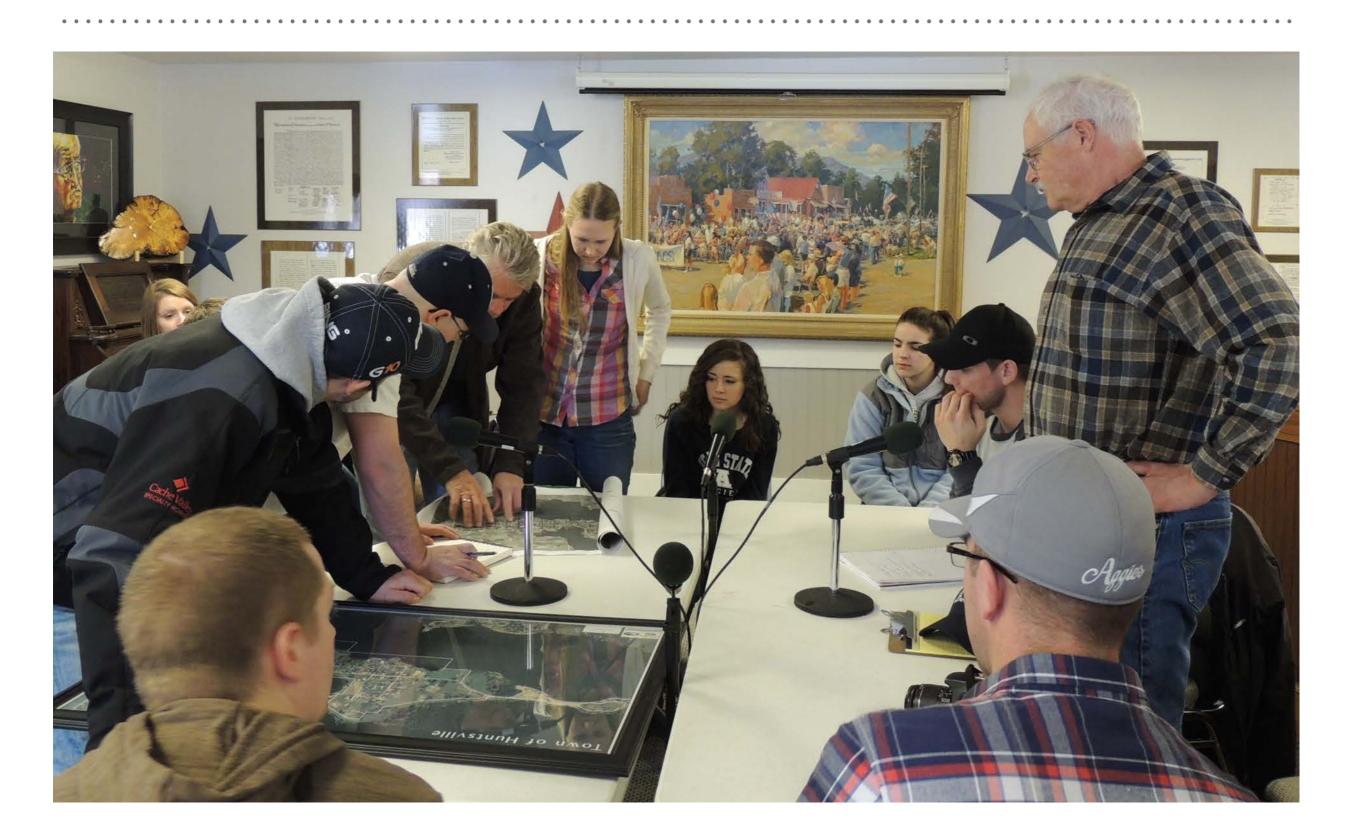
Ogden Valley Charrette

- ➤ 150 students work for one week to address multiple topics and issues surrounding this community.
- ➤ At the end of the week, students present their findings and proposals to planning staff, elected officials and the general public.
- ➤ a series of concept plans are documented and delivered to the community.

OGDEN VALLEY CHARRETE



Ogden Valley Charrette



Ogden Valley Charrette

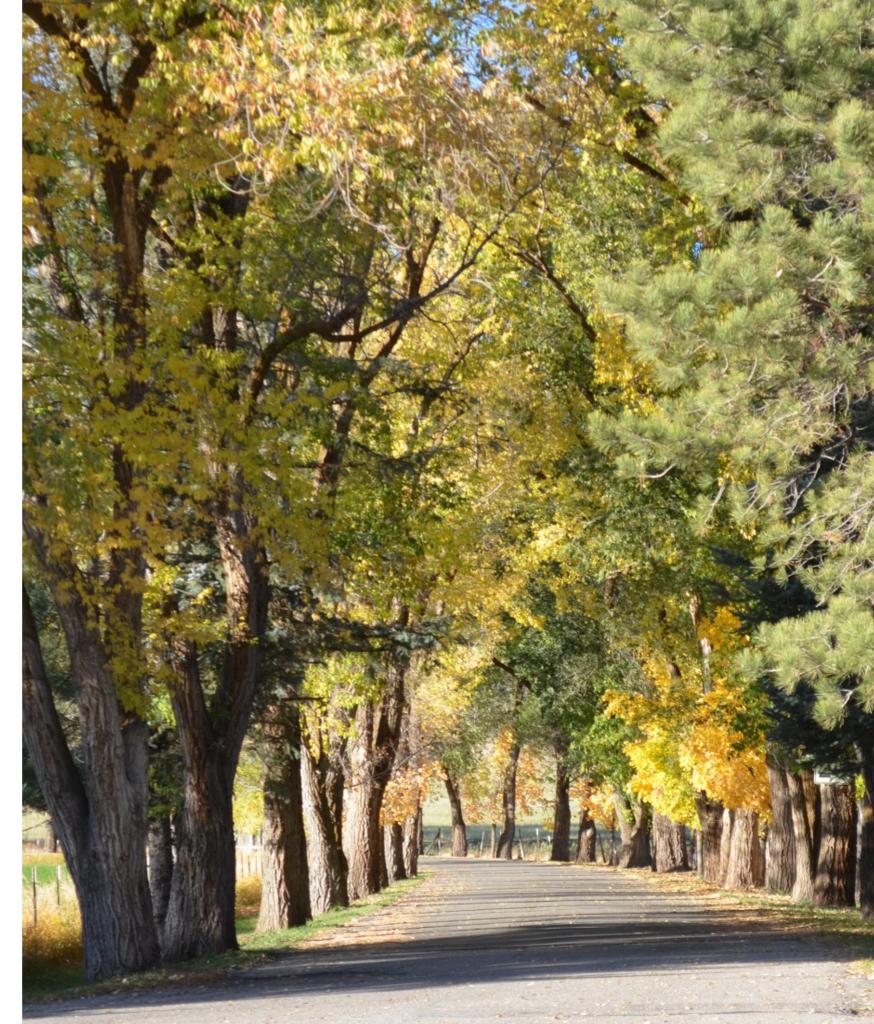








TRAPPIST ABBEY STUDIO



- ➤ A small group of graduate students worked with the monks to help them decide what to do with their property after they decided to leave and close the Abbey.
- ➤ They work for one semester to define alternative scenarios and develop some recommendations.









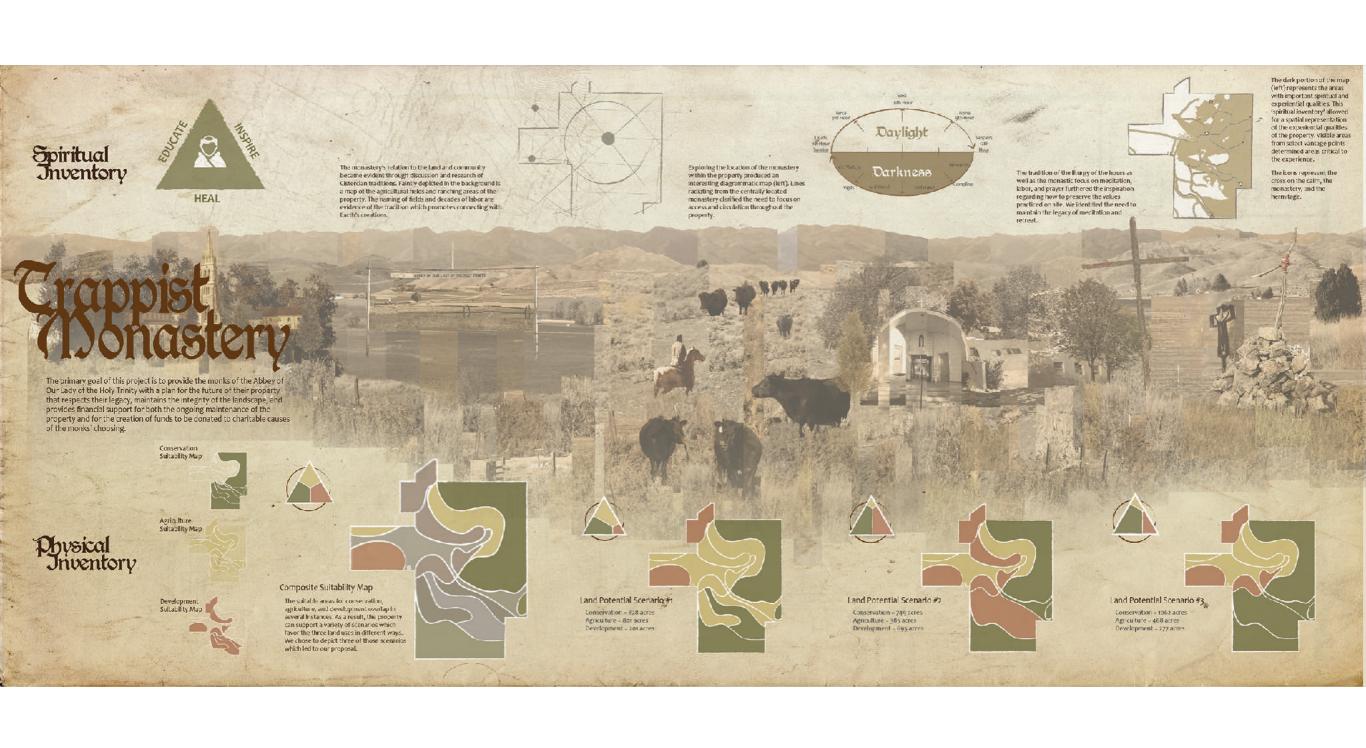














Monasterv

Regardless of any future scenario, some features immediately surrounding the monastery must be protected. Of pathodar importance is the cometary, Additional reactives which emphasize the history of the property that should be preserved include: the chape, the allee of trees leading to the current praking, as well as the grove of trees immediately south of the monastery.

Walking Trails

The proposed first system will provide Hurstville residents and visitors a variety of welking circuits and destination points. Paths between fields embrace the agriculture (egazy of the monastery and Ogden Valley.

Observation decks located at high points of the walking trails direct views towards the valley and Pineview Reservoir.

Trail Nodes

Simple seating areas located at trail intersections aim to preserve the legacy of meditation and reflection. These features provide points of respite along the walking trails to encourage social.

Amenities including fire pits, historical signage, and appropriate plantings encourage continued use of these areas.

Retreat

One of the frequently highlighted resources of the monastery is the ability to retreat from distraction and allow for personal reflection. The existing hermitage inspired the idea for additional retreat structures in select locations that capitalize on the natural assets and solace of the property. These could be utilized for spiritual, artistic, or group

Water Quality

Meintaining water quality on the property is crucial for the future success of Ogden Valley. The site's land and water assets provide legacy opportunities such as: wetland wastewater filtration systems, fire emergency water catchment basins, and additional culinary water resources. These resources will exemplify environmentally responsible water systems for surrounding municipalities.

Building Typology

We propose cluster development if housing is to be incorporated in the future. Cluster development preserves more open space by building at a higher density. This typology is most often used in conjunction with a conservation easement.

A conservation easement is the most effective way for landowners to preserve or enhance a property's natural value. By entering into a legal agreement with an easement holder, the monks will receive financial compensation to be used at their discretion. The easement holder then permanently enforces the conditions described in the legal agreement.



Utilizing a conservation easement will ensure the agricultural preservation in perpatuity. The current practice of leasing fields to local farmers and ranchers can continue. Leased agricultural and ranching fields will be enforced by the party managing the conservation easement.

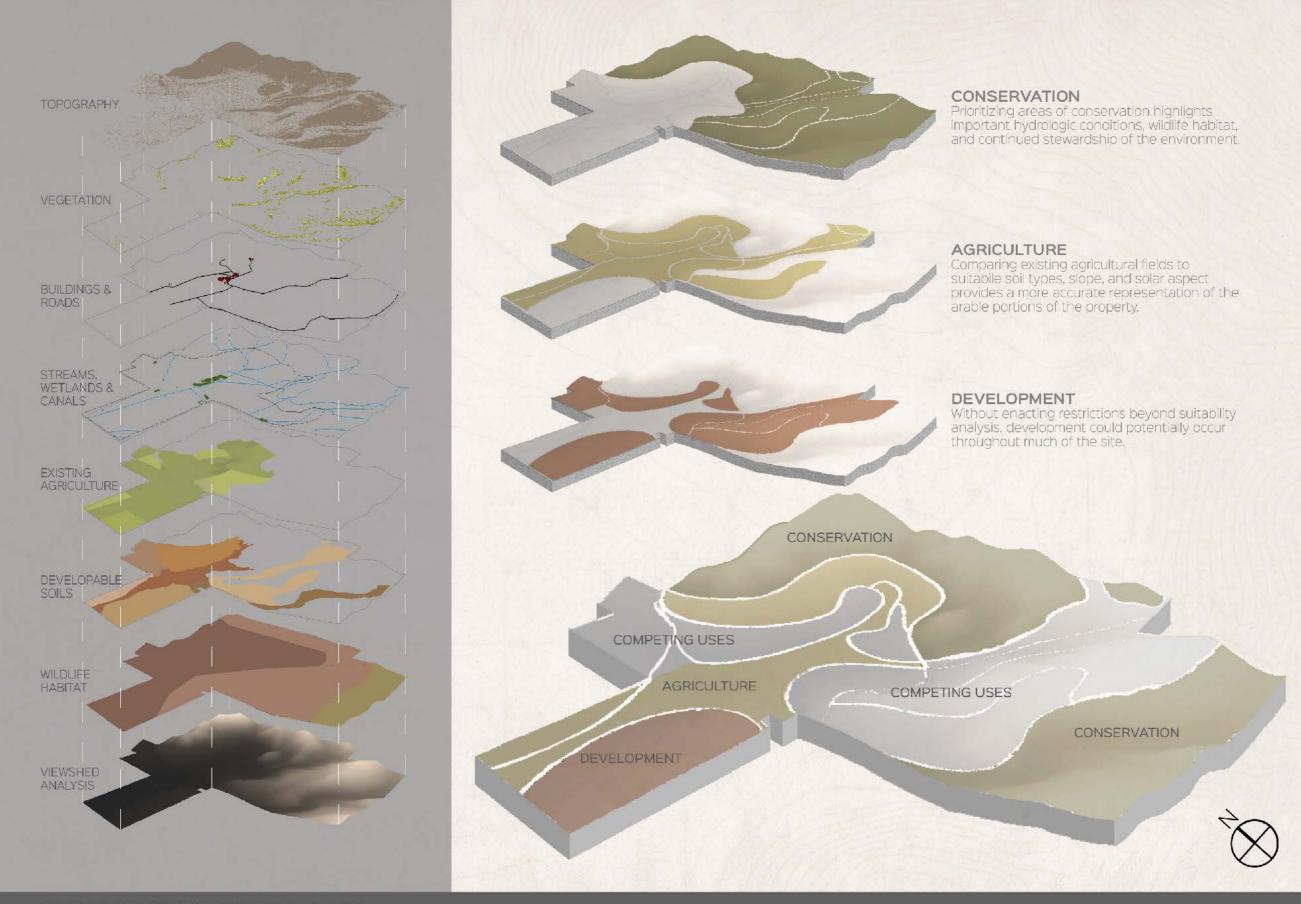


Development

The infographic above portrays the benefits of the development aption we recommend cluster development in the form of ecostillages. The benefit of development is the ability to generate capital, which can be used for on-site improvements (a.g., trail system, retreat houses, withind, etc.). Details within the conservation excement can set specific parameters regarding the type, amount, and placement of development. Additional information regarding other analyzed development typologies can be found in the report.







HONORING THE LAND

- The proper balance between Conservation, Agriculture, and Development aligns the desired legacy with a feasible solution.
 + Large conservation areas maintain the environmental and spiritual integrity of the property.
 + Preserved agricultural lands continue the Trappist traditions of husbandry and protect the visual quality of the land.
 - + Clustered development offsets the cost of enhancing critical conservation areas and agriculture.

SCENARIO PLANNING









COMPONENTS OF THE CONSERVATION **EASEMENT**

DEVELOPMENT

Size and location restrictions

AGRICULTURE Land leasing prescriptions

NATURAL Wetlands, trails, and public use

HISTORIC Cemetary and tree groves

EASEMENT PROCESS



LEGAL AGREEMENT Established with a land trust and defined by the



FINANCIAL INCENTIVE Payment for land value and security of the legacy



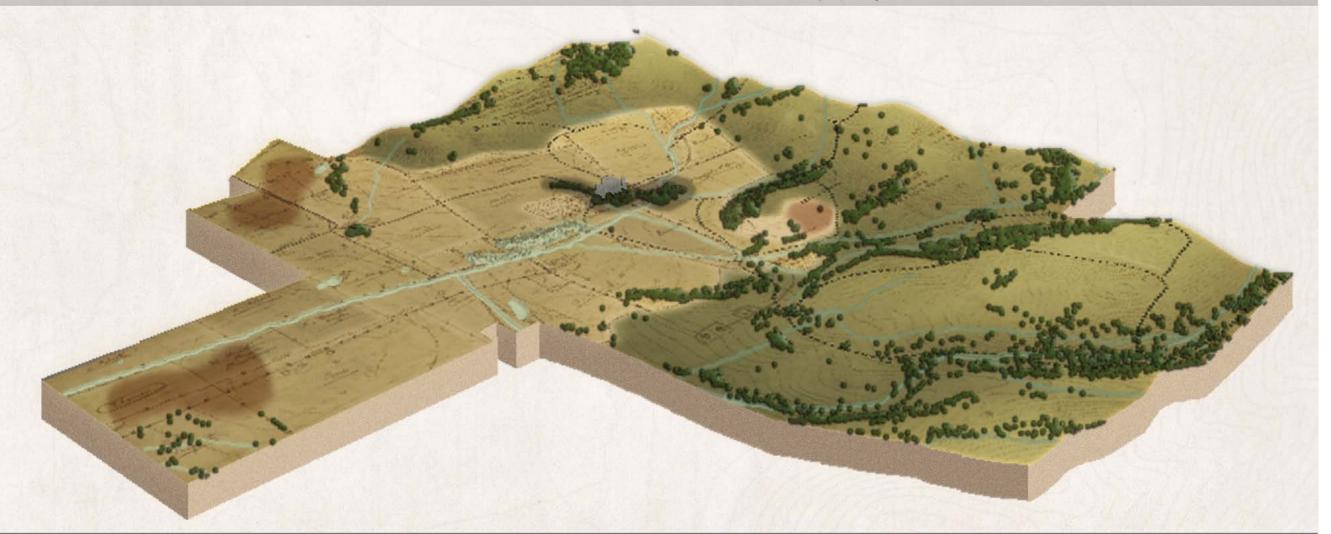
ENFORCMENT Land trust administers the legal agreement



PERMANENT Details of the legal agreement continued in perpetuity



COST-EFFECTIVE Costs to establish the easement are a fraction of the full land value



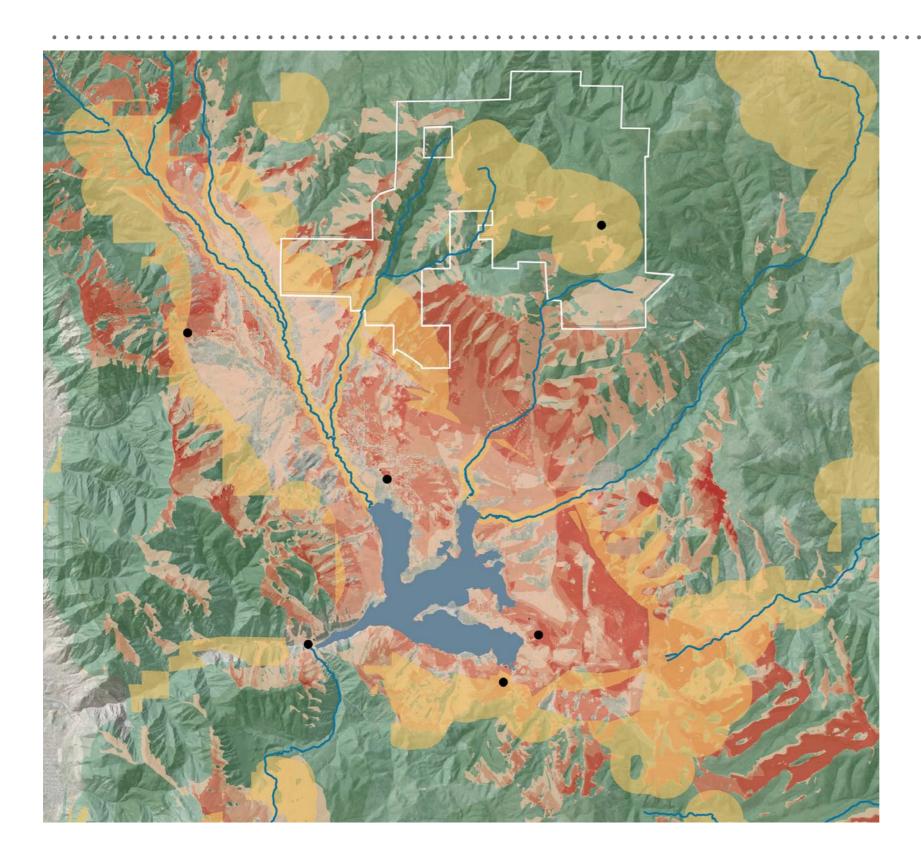
A COVENANT FOR LEGACY

A conservation easement binds the desired legacy to the land, and guides property stewardship. The components of the easement articulate how the landscape will perpetually heal, educate, and inspire visitors after the onsite presence of the monks has passed.

- ➤ A charrette dedicated to stay the connection between a growing resort and the established community
- ➤ Charrette work followed by a semester long Senior studio

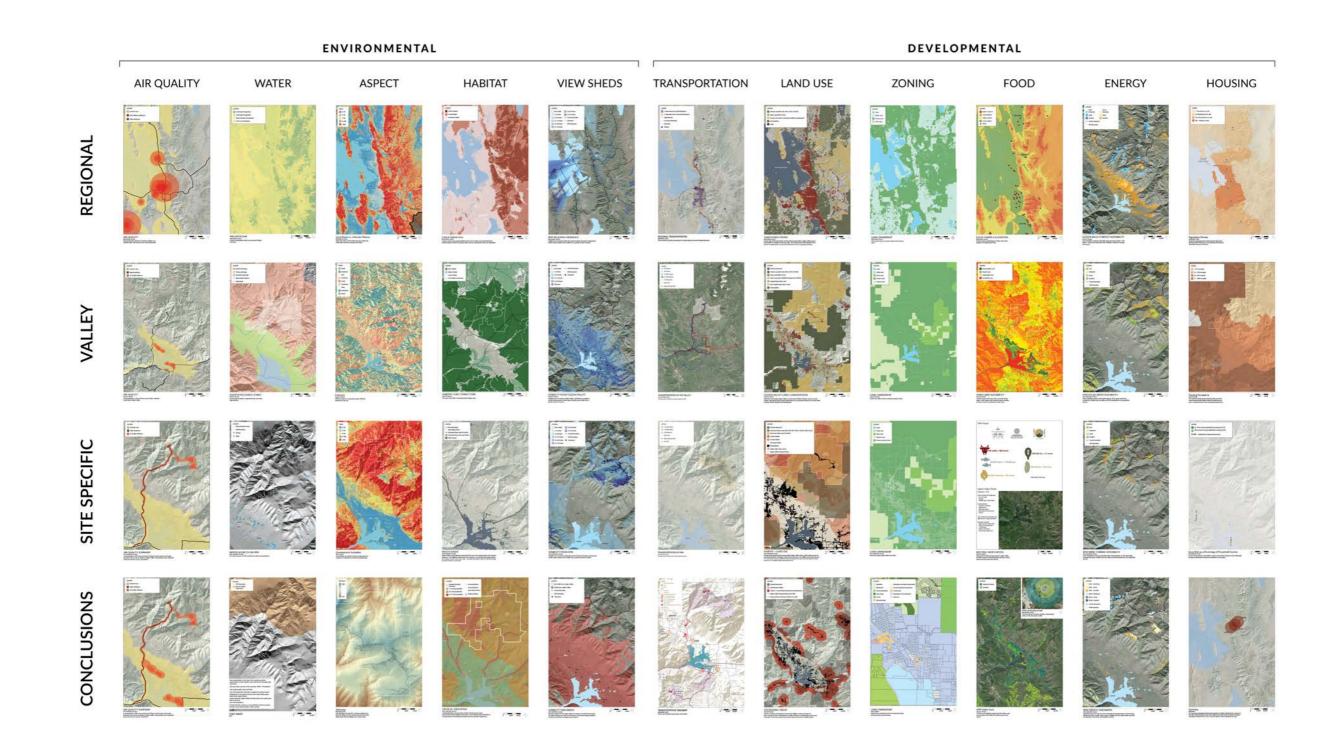
POWDER MOUNTAIN RESORT



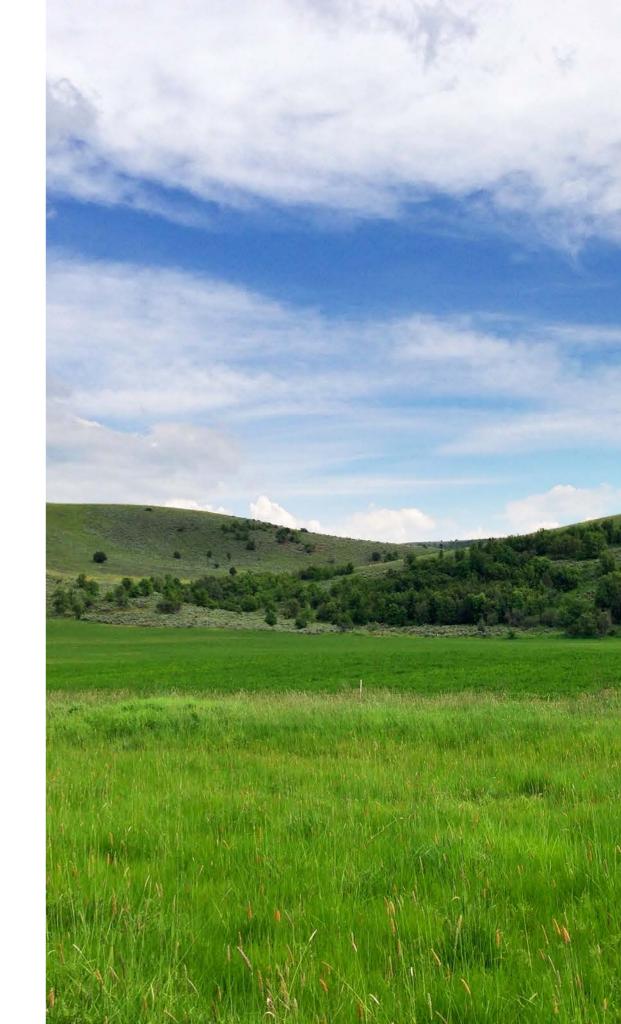








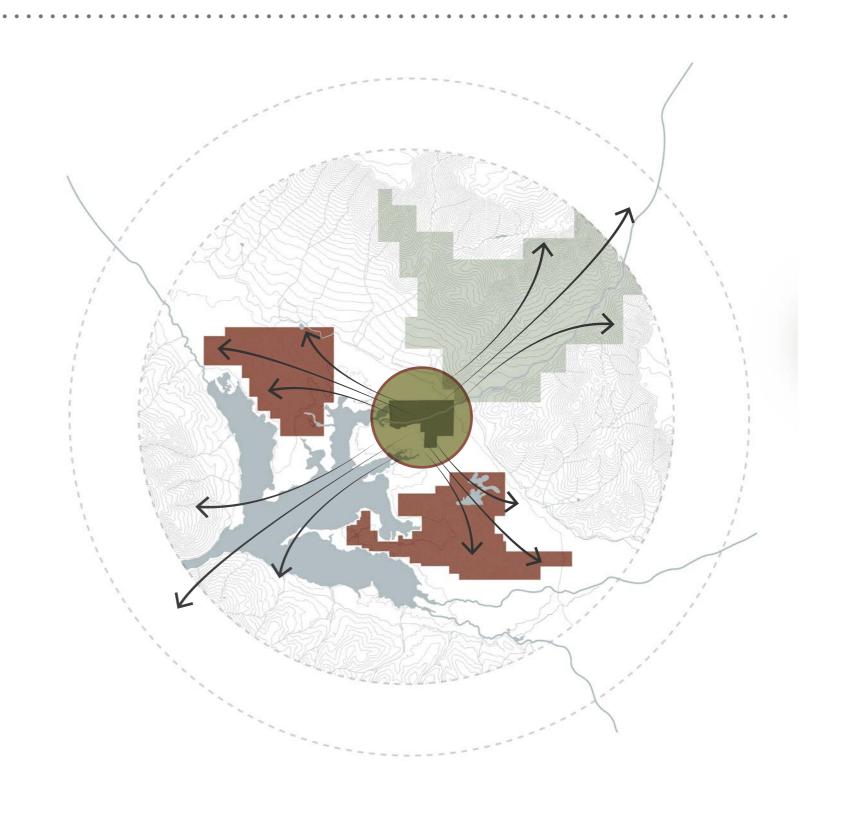
HINCKLEY RANCH STUDIO



Hinckley Ranch

- ➤ A small group of students develop design alternatives to create a horse therapy center in a local ranch
- Sketching-focused studio guided by professor Caroline Lavoie
- ➤ This project was requested by the ranch owners
- ➤ The students' ideas are part of the vision for the future of this place.

Hinckley Ranch



One place with many projects

- ➤ Hinckley Ranch:
 The Healing Power of Landscapes
- ➤ Powder Mountain Charrette & Studio: Innovative Responses to Growth
- ➤ Trappist Monastery Project:

 The Spiritual Legacy of the Landscape
- ➤ Ogden Valley Charrette:

 Development & Ecological Dilemmas

From Experiential Learning to Learning Experiences

- Expand the education of landscape architecture students through real projects and community outreach.
- ➤ Advance **sustainability** in education where students engage in community issues and challenge their skills to propose alternative solutions.
- ➤ Create a variety of educational experiences with a foundation in sustainability and **community** service.
- > Support the university **mission** advancing a sustainable future.



Landscape Architecture & Environmental Planning