University of California, Santa Cruz

Growth and Stewardship
The Building of UC Santa Cruz

"...sensitive collaboration between the designer and this spectacular environment ...."

Forty years ago this month….

October 21, 1963

SANTA CRUZ: OFFICE OF THE CHANCELLOR

October 21, 1963

PRESIDENT CLARK KERR:

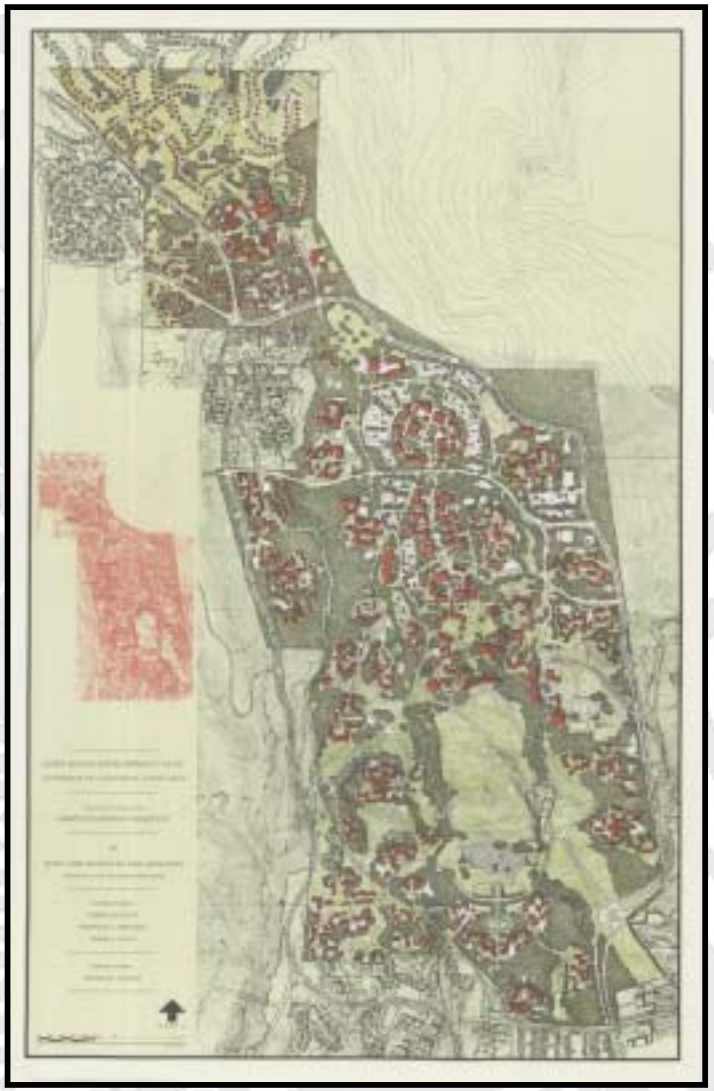
I take pleasure in forwarding to you the Long Range Development Plan for the Santa Cruz campus. It is the product of more than eighteen months work by the design team headed by John Carl Warnecke. The Santa Cruz physical planning staff, led by John R. Wagstaff, and the Campus Planning Committee have represented the campus throughout the development of the plan. We are grateful to Vice President Elmo R. Morgan, University Architect Robert J. Kwass, and the statewide staff of Architects and Engineers for support, encouragement, and counsel during this critical period. The physical plan has been shaped by two major decisions. The first of these was the selection of the Cowell Ranch site. Although the site is one of extraordinary beauty, it presents some difficulties that are unique or unusual within the University. The distance from a large metropolitan area indicates on-campus housing of most students in the initial years. The rough topography means fewer good sites for buildings and roads, and added expense for fills and bridges. The large size of the site requires longer utility runs. On the other hand, the forest cover should minimize landscaping costs and the 2000 acres provide ample room for growth and protects the campus against future impactions.

The Academic Plan confronted the physical planners with the problem of arranging facilities in such a way that undergraduates will feel they belong to a small community that combines learning and living, yet have available the superior resources of a large university, such as a central library, science laboratories, and cultural events.

Since both college and academic core buildings are being built one-by-one, initial experience will indicate which patterns and locations function best to serve the learning process. This Long Range Development Plan is "a guide to future development". We have tried to plan ahead with as much precision as possible, but the future is dimly seen at best, and changes undoubtedly will be made from time to time. We think the plan has elements of flexibility that will make it possible to adapt to changed conditions and to further refinement of program as better methods of imparting instruction are discovered.

Dean E. McHenry

UNIVERSITY OF CALIFORNIA — Controlled for interdepartmental use



UC Santa Cruz
An extraordinary site....

October 21, 1963

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October 21, 1963

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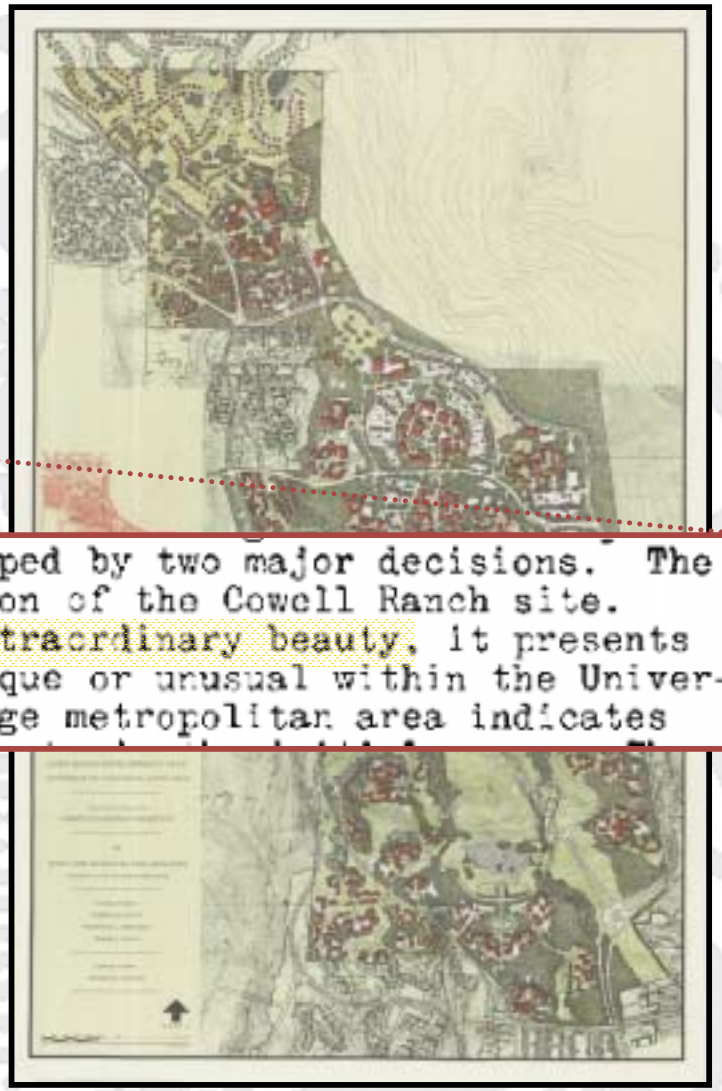
UNIVERSITY OF CALIFORNIA — Catalyst for interdepartmental use



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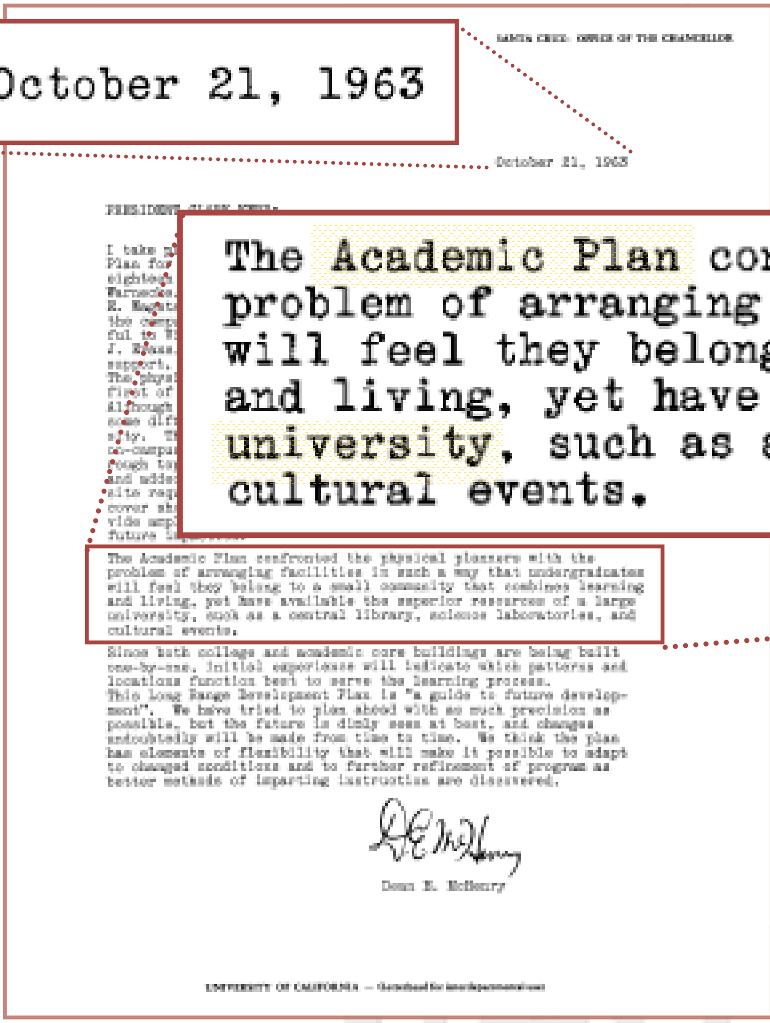
UC Santa Cruz
A unique academic plan….



SANTA CRUZ: OFFICE OF THE CHANCELLOR

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UNIVERSITY OF CALIFORNIA — (Letterhead for interdepartmental use)

October 21, 1963

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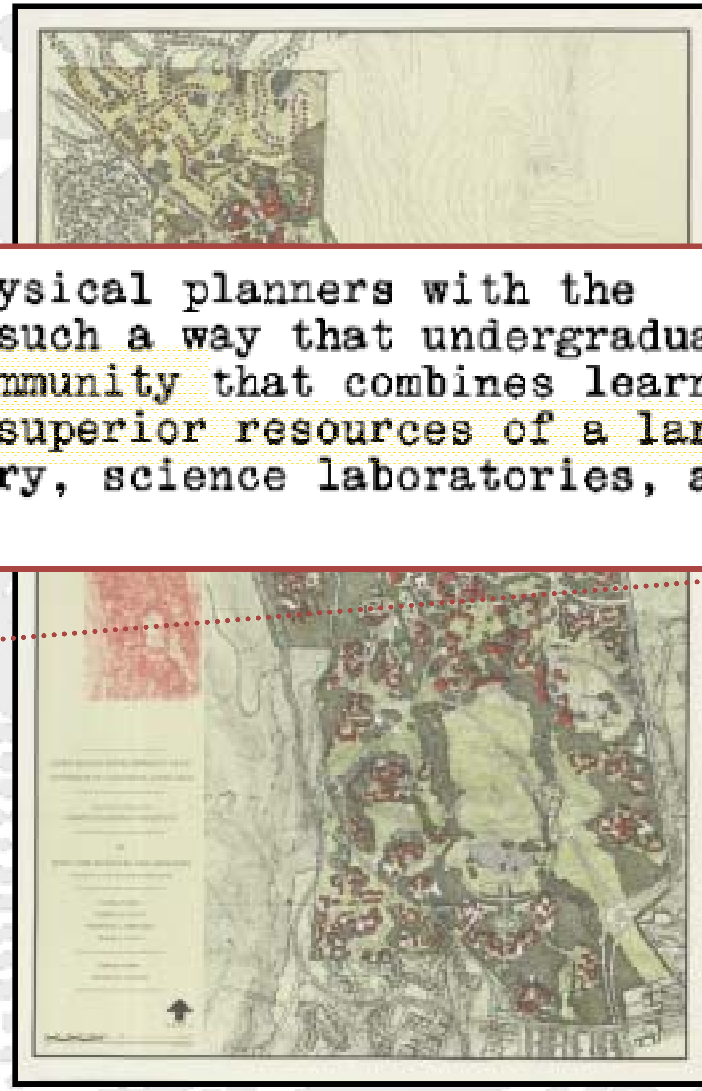
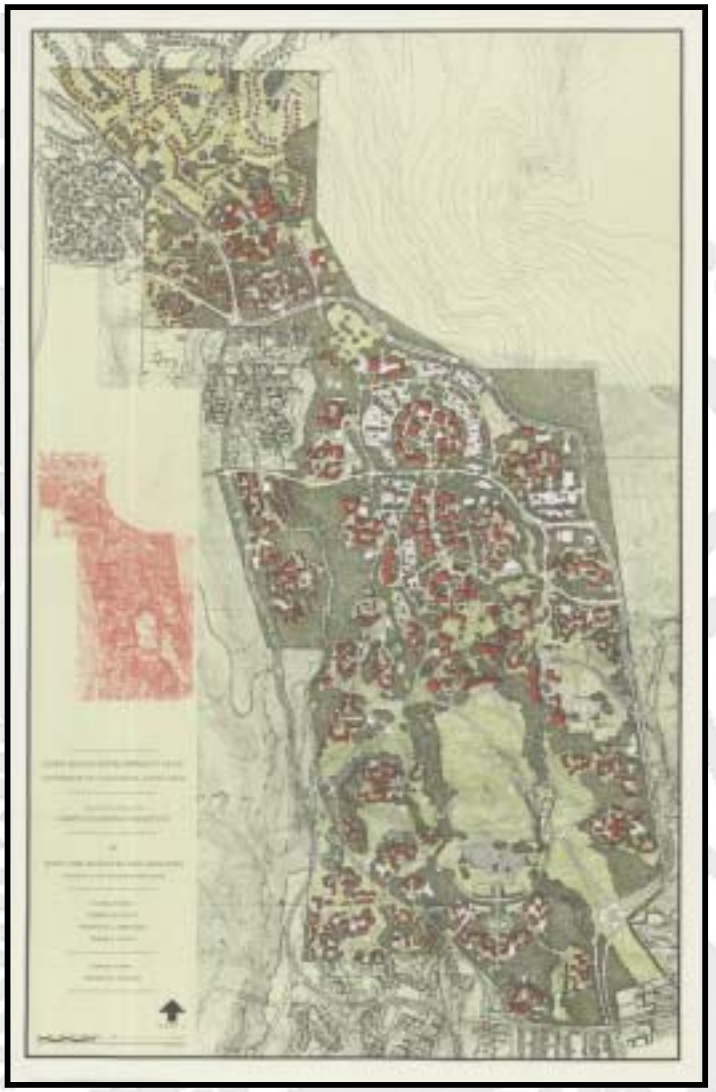


UC Santa Cruz
A unique academic plan….

"At Santa Cruz the intent is to combine the advantages of a small college with the facilities of a great University."

"This campus, because of its location, must provide more than the usual amount of residential space."

1963 Long Range Development Plan



UC Santa Cruz
Thinking at the Edge

"The University of California, Santa Cruz has created a unique environment of intensity and innovation where the synergy between research and teaching provides unparalleled opportunities for people who drive progress, intellectual, social, cultural and economic progress."

October 2003

UC Santa Cruz Architecture….

"… must grow out of the problems, restrictions, and potentialities of the site … "

"The general effect … must be one of sensitive collaboration between the designer and this spectacular environment …."

1963 LRDP

Stevenson College, 1966
Joseph Esherick and Associates

UC Santa Cruz Architecture….

"… must grow out of the problems, restrictions, and potentialities of the site … "

"The general effect … must be one of sensitive collaboration between the designer and this spectacular environment …."

1963 LRDP

College Ten 2002
Esherick Homsey Dodge and Davis

“The site demands unique attention…”

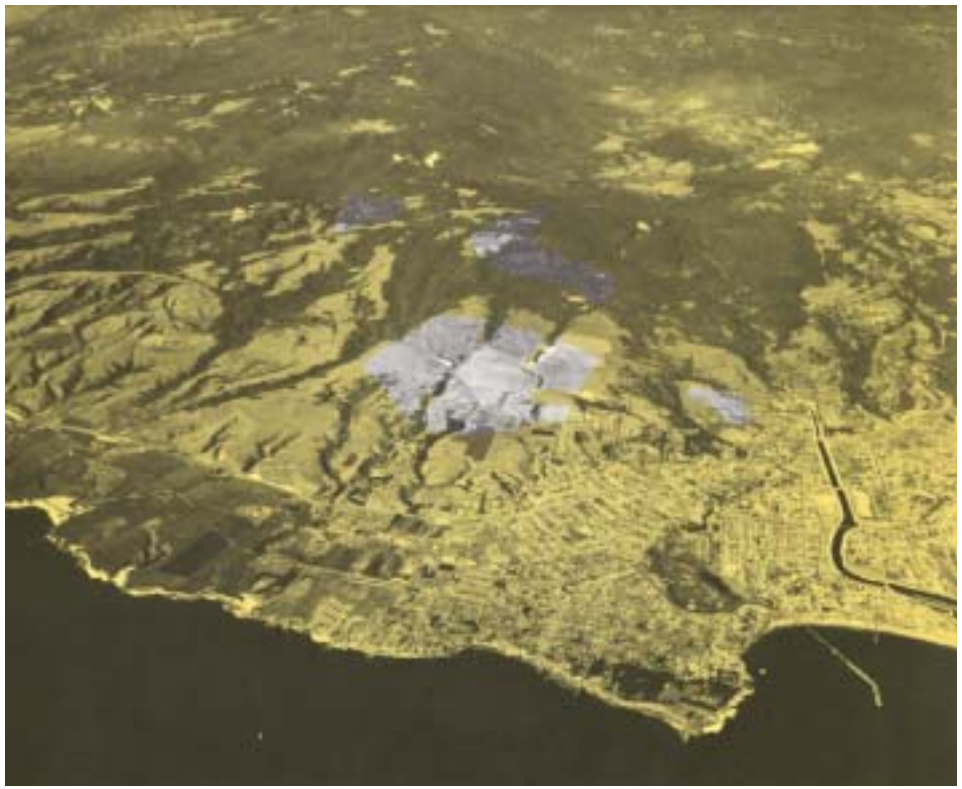
Photographer Ansel Adams:
“… whatever is done to ‘clear’ the land should be done with the utmost restraint…”

The Ansel Adams photographs from 1962 through 1966 used in this presentation are housed in the Sweeney/Rubin Ansel Adams Fiat Lux Collection at the University of California, Riverside's California Museum of Photography and are used with their generous permission.

“The site demands unique attention…”

“…Everyone who saw it during the planning stage was awed and impressed by the need to keep it as unspoiled as possible.”

Geographical Setting



University of California
South Central Coast Campus Site Selection Study
1959

Geographical Setting

UC SANTA CRUZ

Geographical Setting

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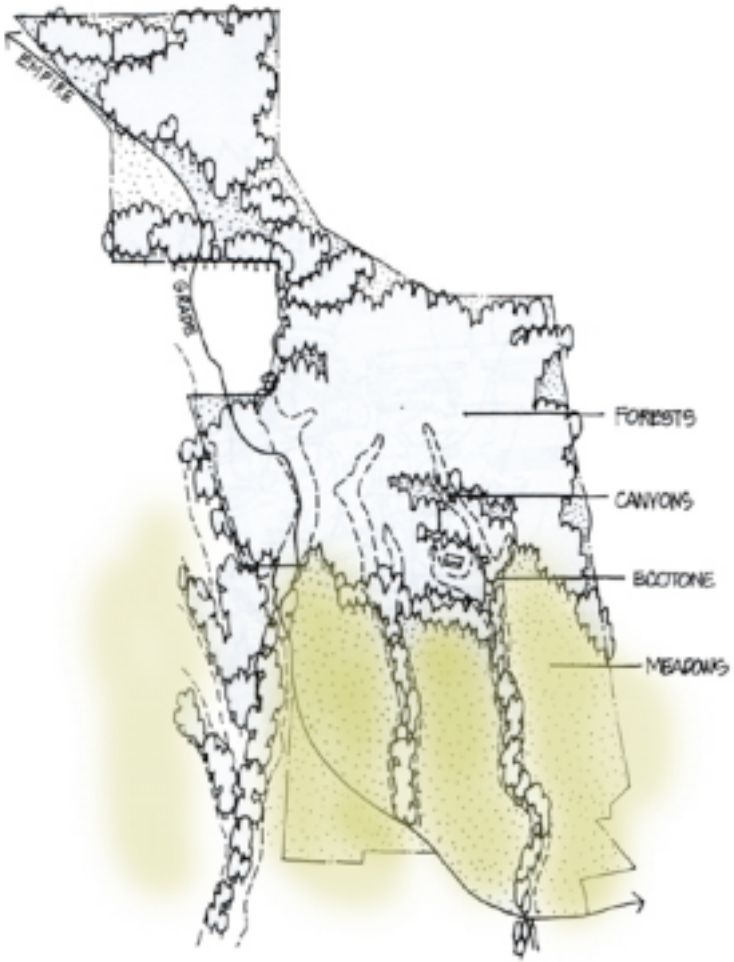
Geographical Setting

- marine terraces

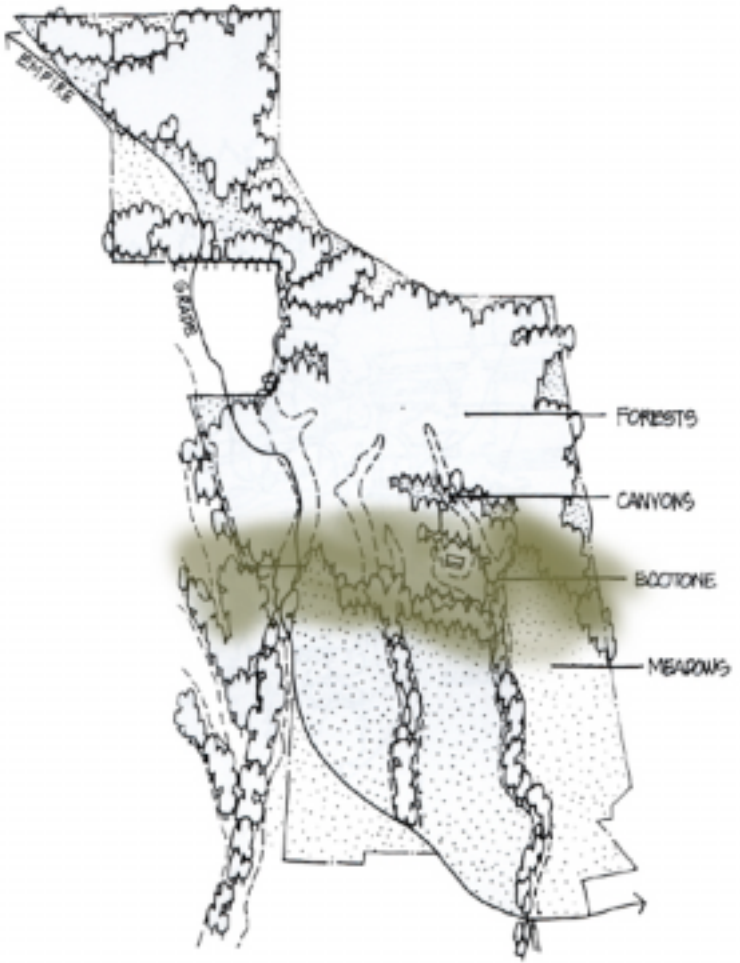
Vegetation Zones

meadow • forest edge • forest • ravine



Vegetation Zones

meadow • forest edge • forest • ravine



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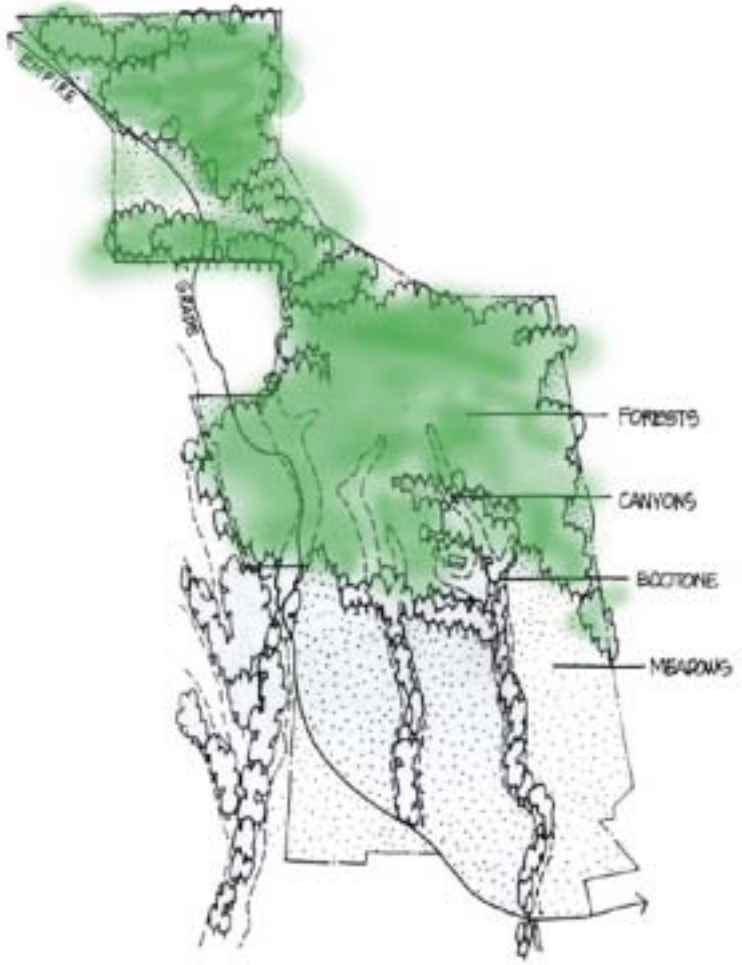

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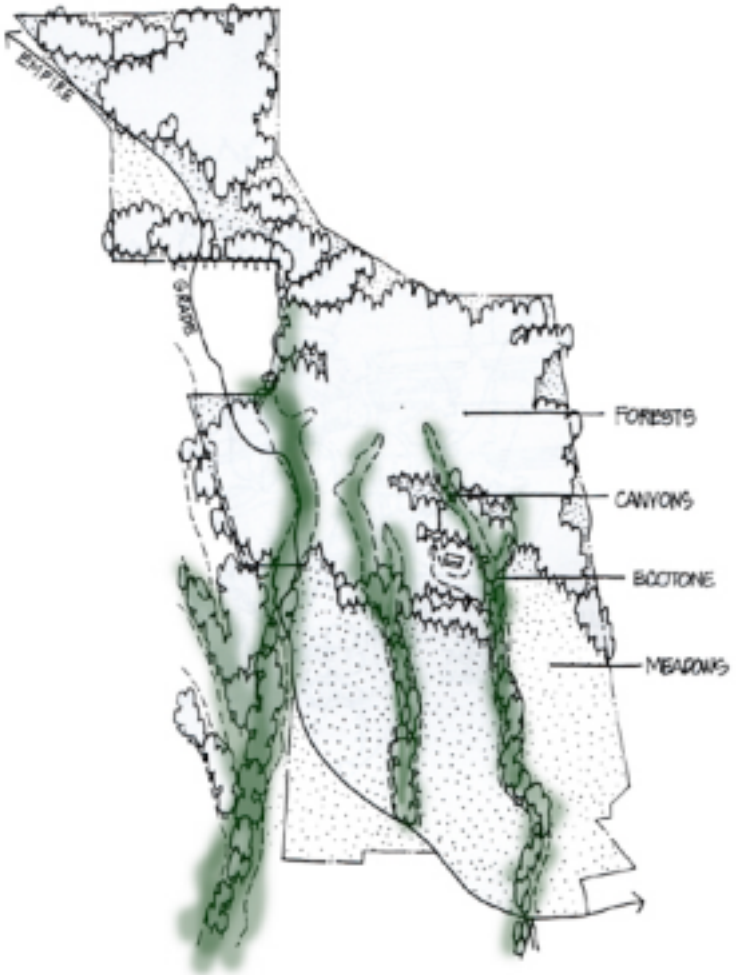

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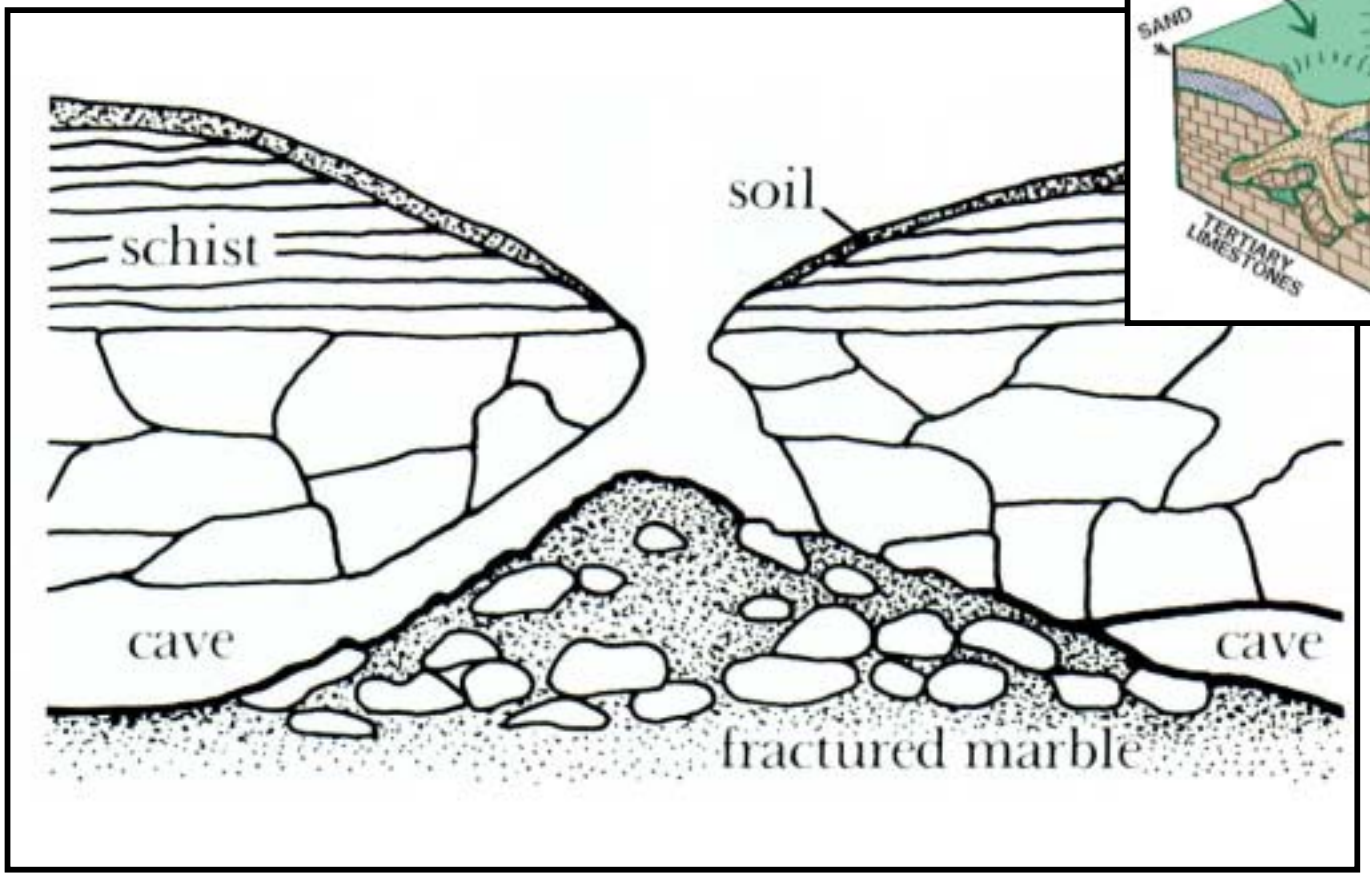
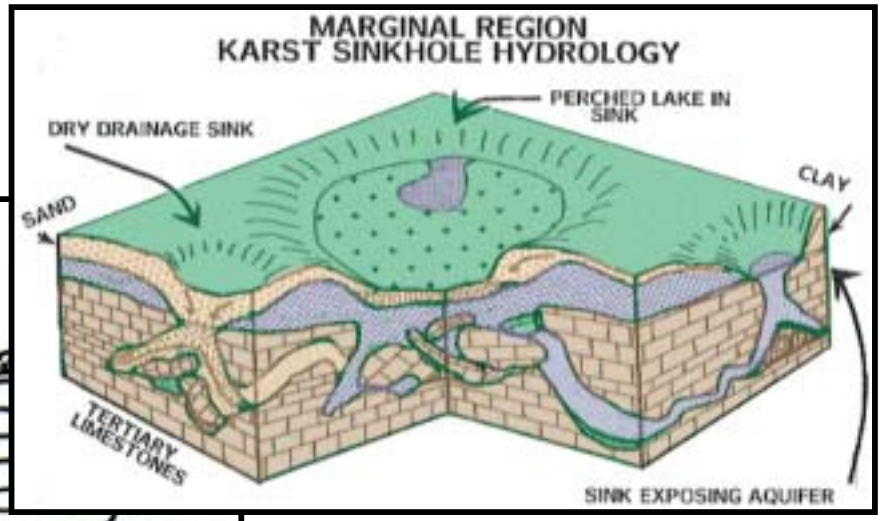
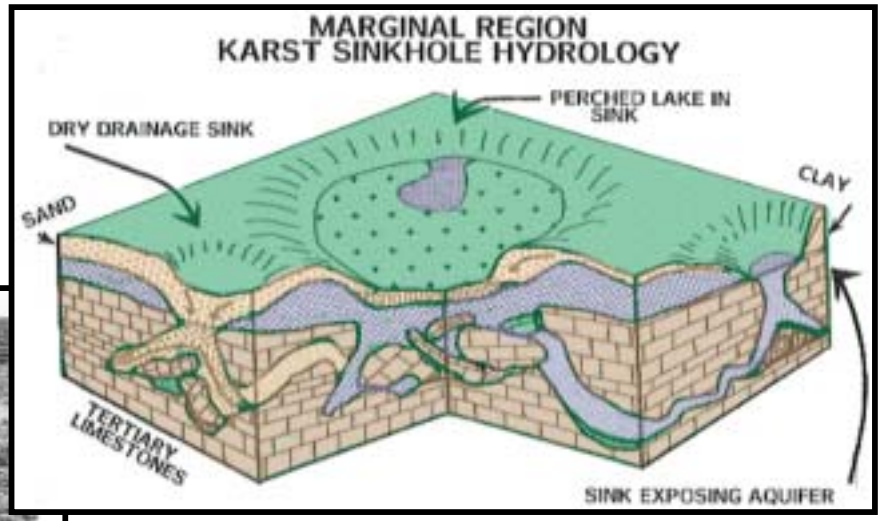
Karst Geology

Sinkhole formation





Karst Geology



Karst Geology

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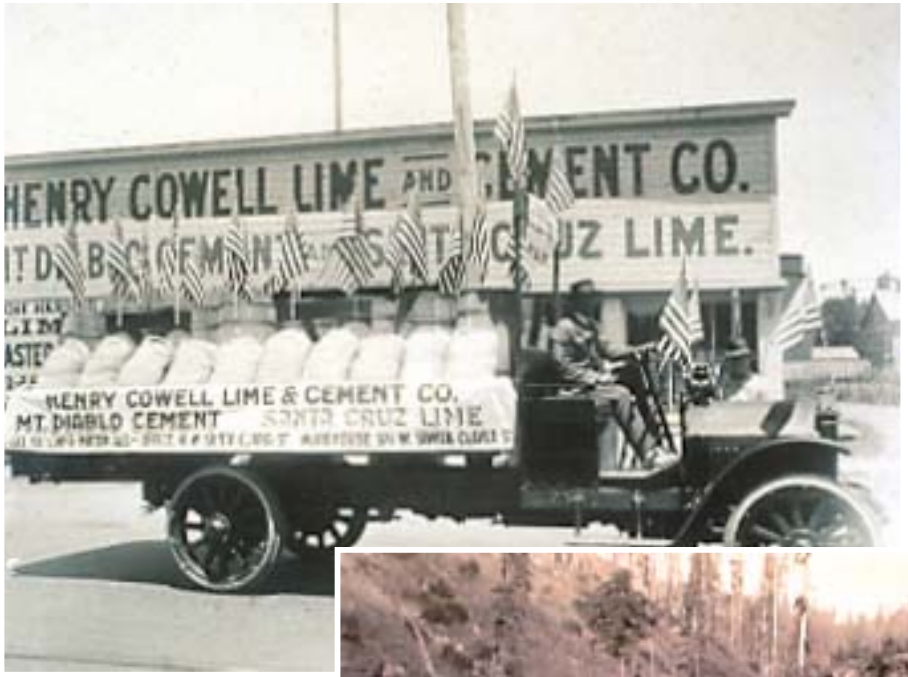
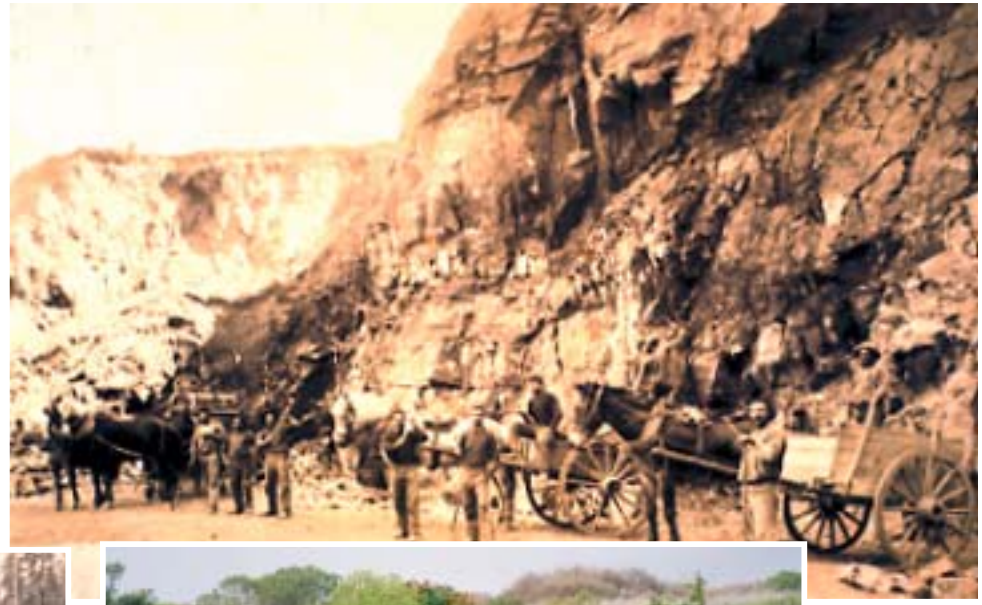
The Cowell Ranch - the California Lime Industry





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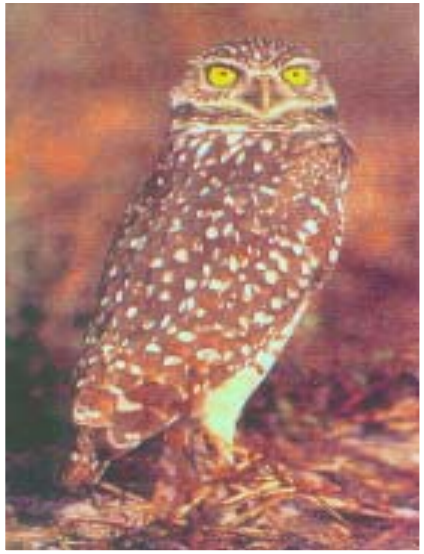
Species Diversity

Ohlone tiger beetle

California
red-legged frog

Species Diversity

burrowing owl

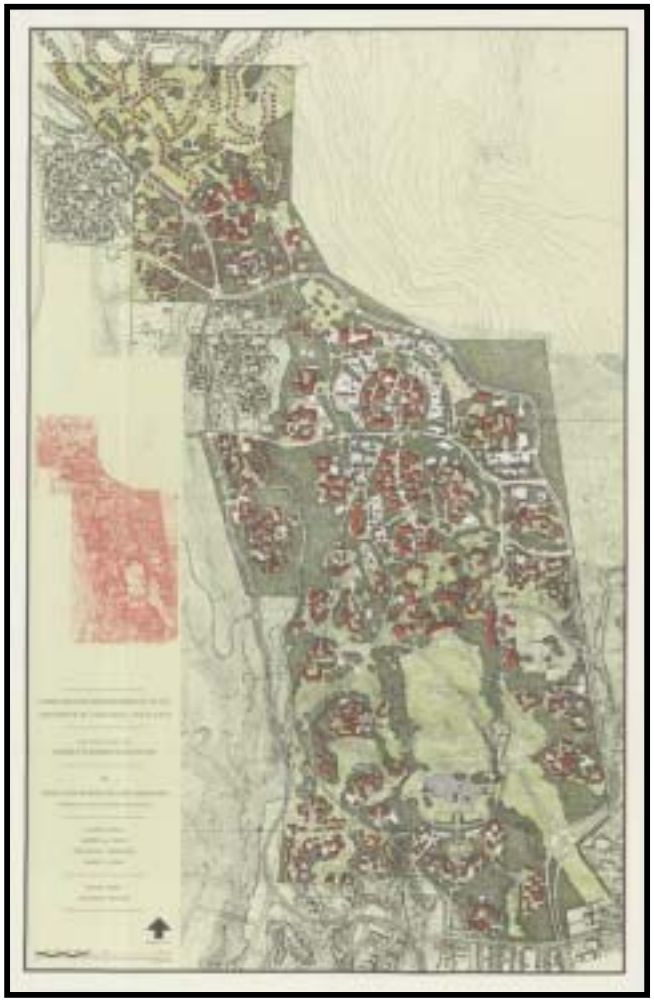


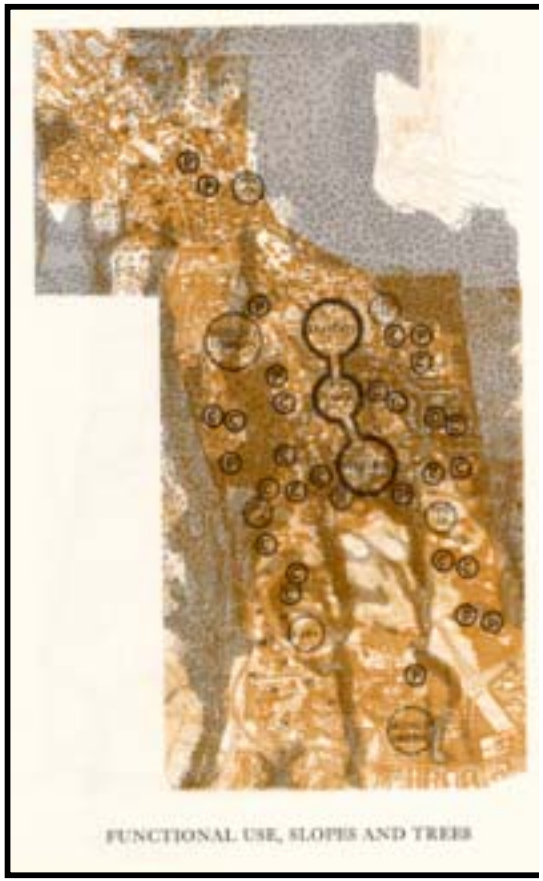
cave spider

The University Arrives…

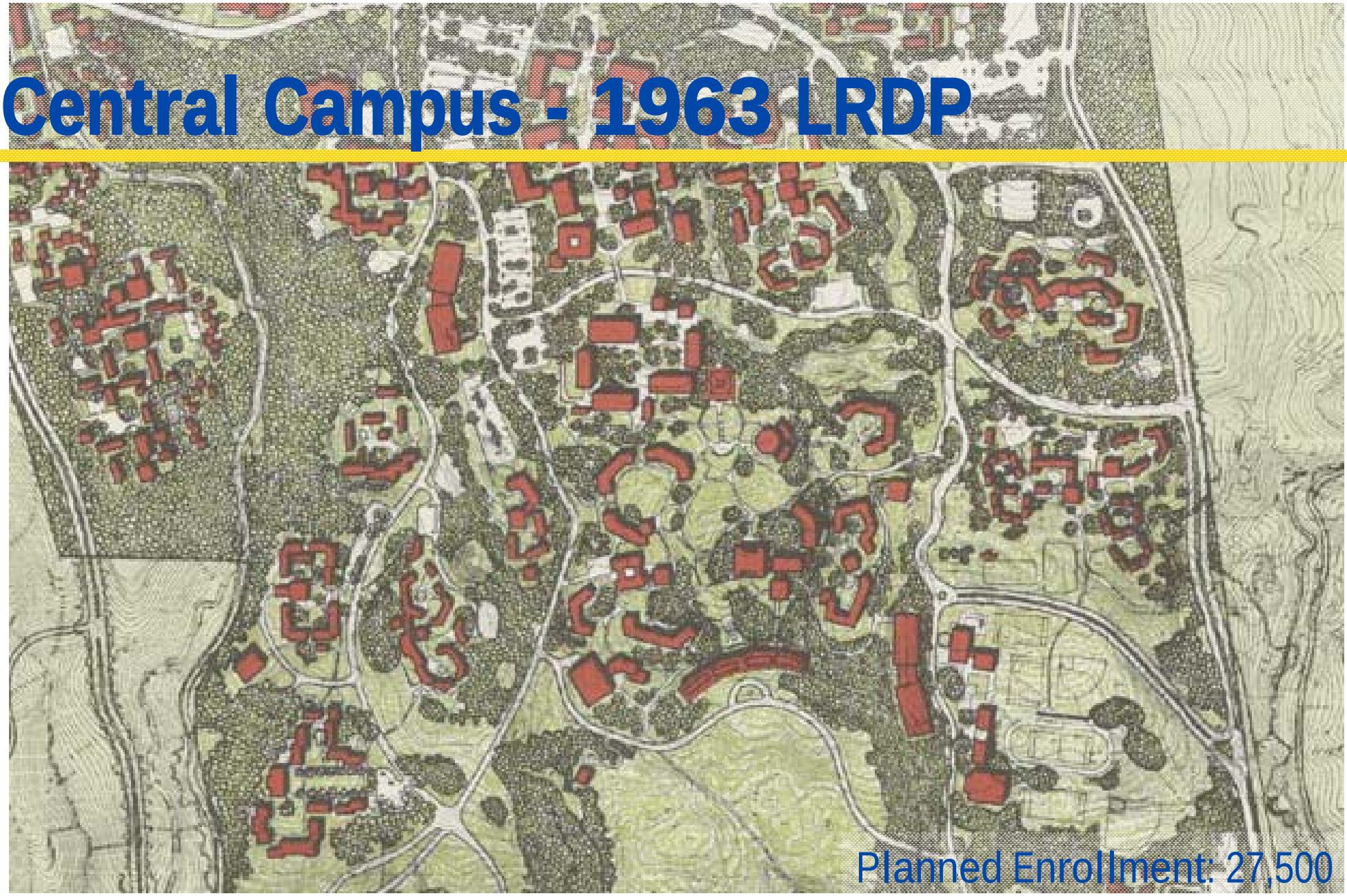
"Begin as you mean to continue…": 1963 LRDP's Long-Lasting Decisions

- main campus at center of site
  - preservation of meadows
  - campus core surrounded by residential colleges
- individually sited buildings & complexes

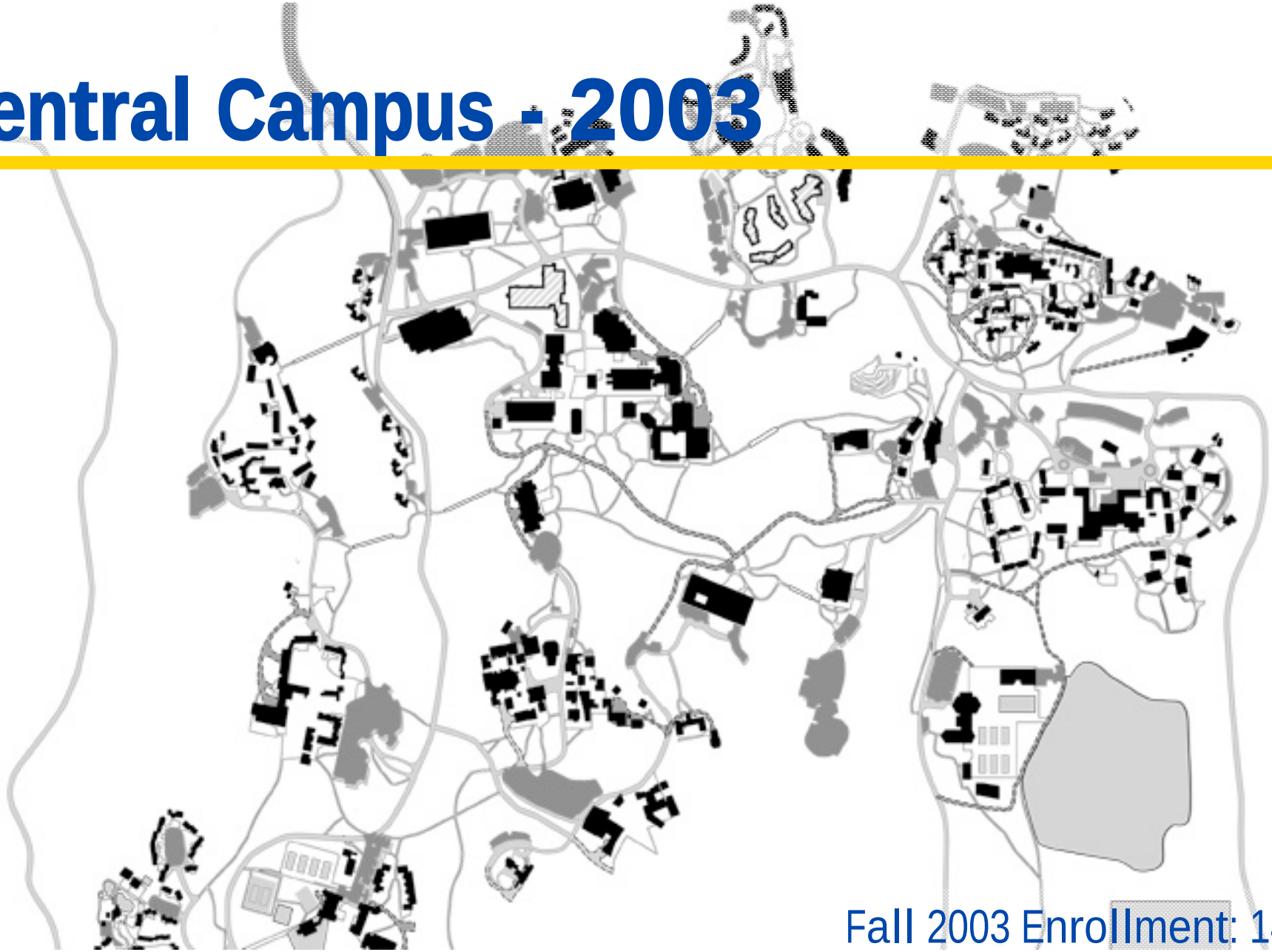




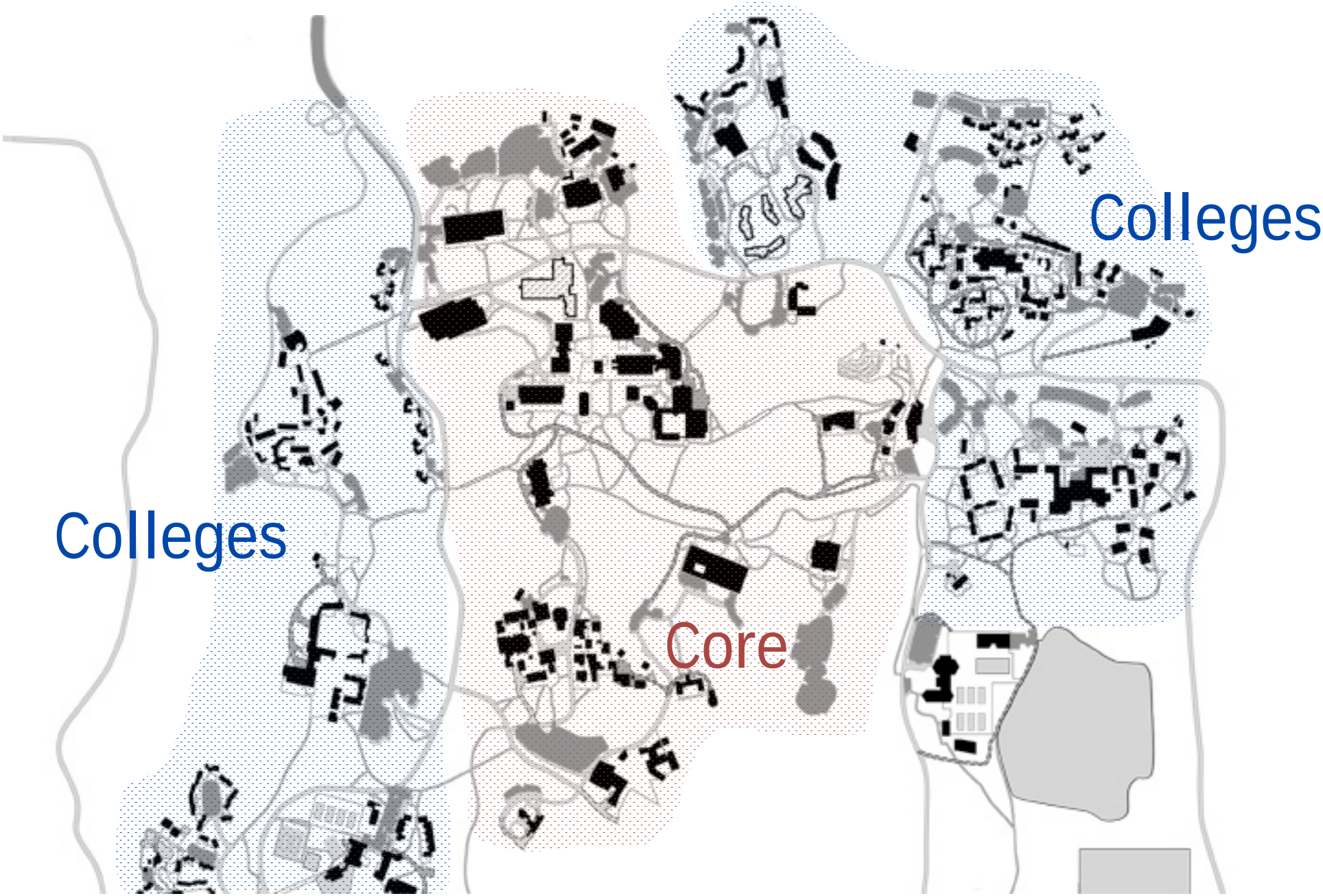
Central Campus - 1963 LRDP

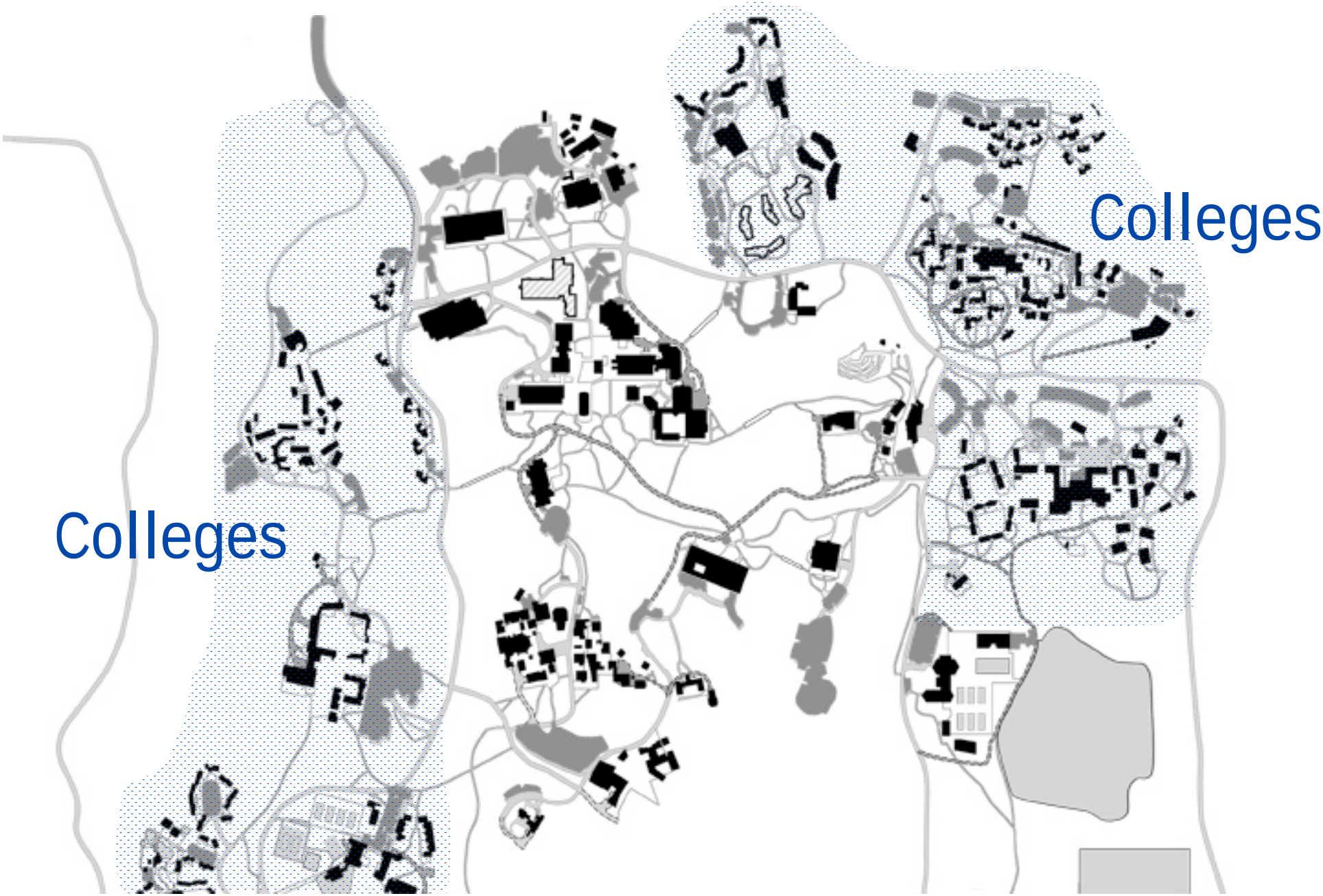


Central Campus - 2003



Fall 2003 Enrollment: 14,997


Colleges
Colleges
Core


Colleges
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Residential Colleges - Places for Student Life

- academic communities with distinct identities
- architectural variety
- a series of informal clusters

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Cowell College 1966
Wurster, Bernardi, and Emmons

Residential Colleges - Places for Student Life

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Kresge College 1973
MLTW/Moore Turnbull

Residential Colleges - Places for Student Life

- academic communities with distinct identities
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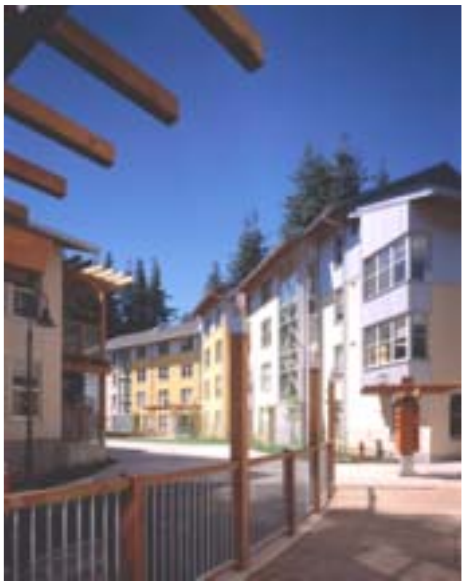
Colleges Nine and Ten 2002
Esherick Homsey Dodge and Davis

UC SANTA CRUZ

Residential Colleges Demonstrate Our Architectural Principles

- varied and imaginative architecture
- sunny and surprising places in the forest
- site specific designs



“a full respect for the site”

- Cowell College:
  at the forest edge

Cowell College 1966
Wurster, Bernardi, and Emmons

“a full respect for the site”

- Oakes College:
  on the meadow

Oakes College 1976
McCue Boone Thomsick

UC SANTA CRUZ

“a full respect for the site”

- Kresge College:
  in the forest

Kresge College 1973
MLTW/Moore Turnbull

“a full respect for the site”

- Kresge College:
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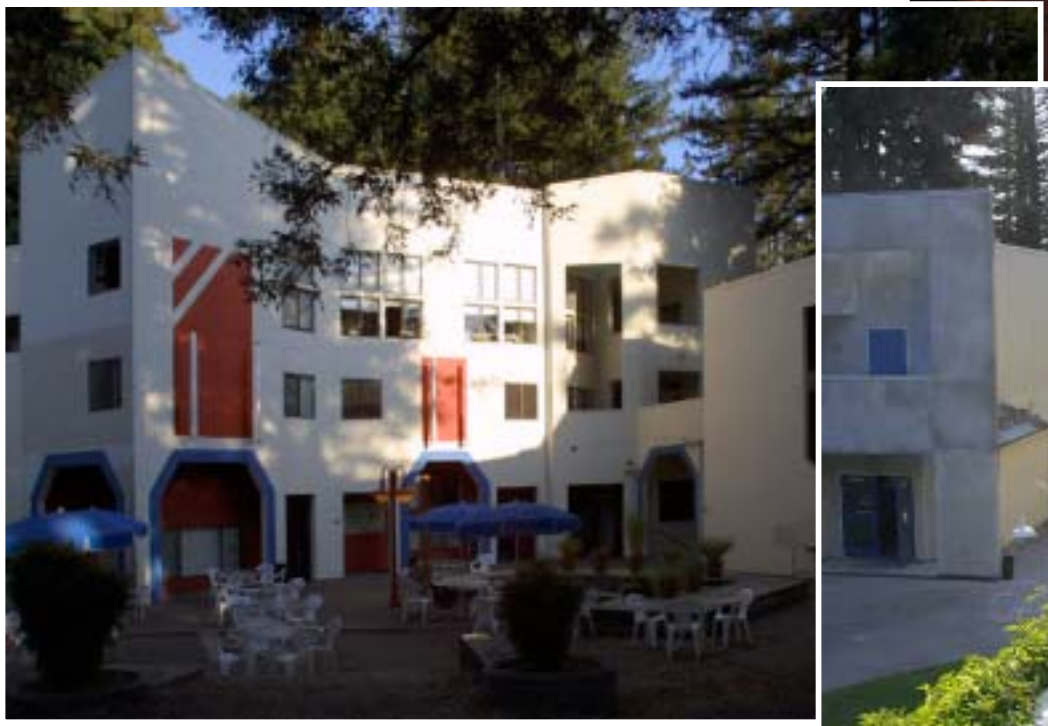


“a full respect for the site”

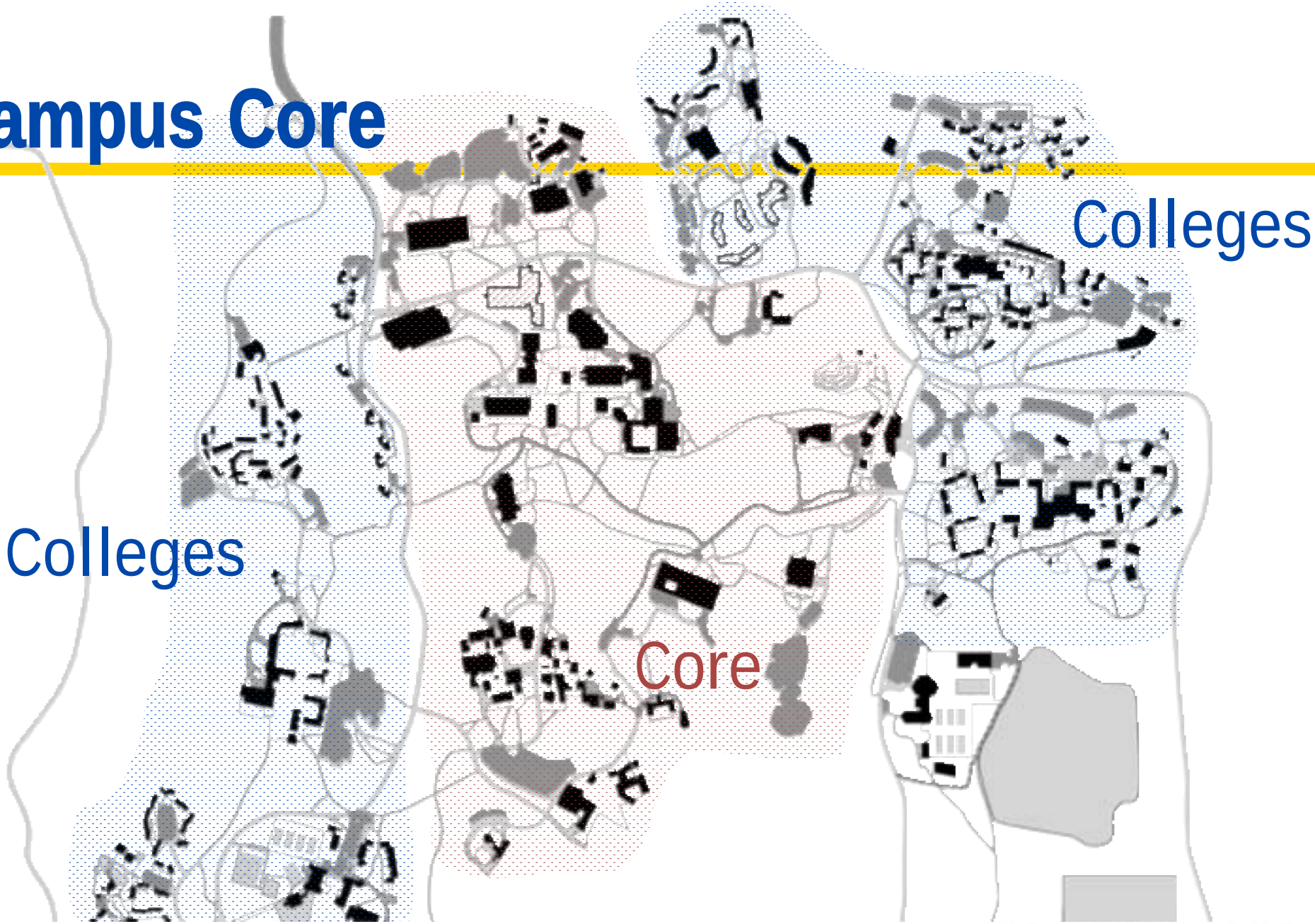
- College Nine and College Ten: in the forest

Colleges Nine and Ten 2002
Esherick Homsey Dodge and Davis

“a full respect for the site”

- College Nine and College Ten: in the forest

Campus Core



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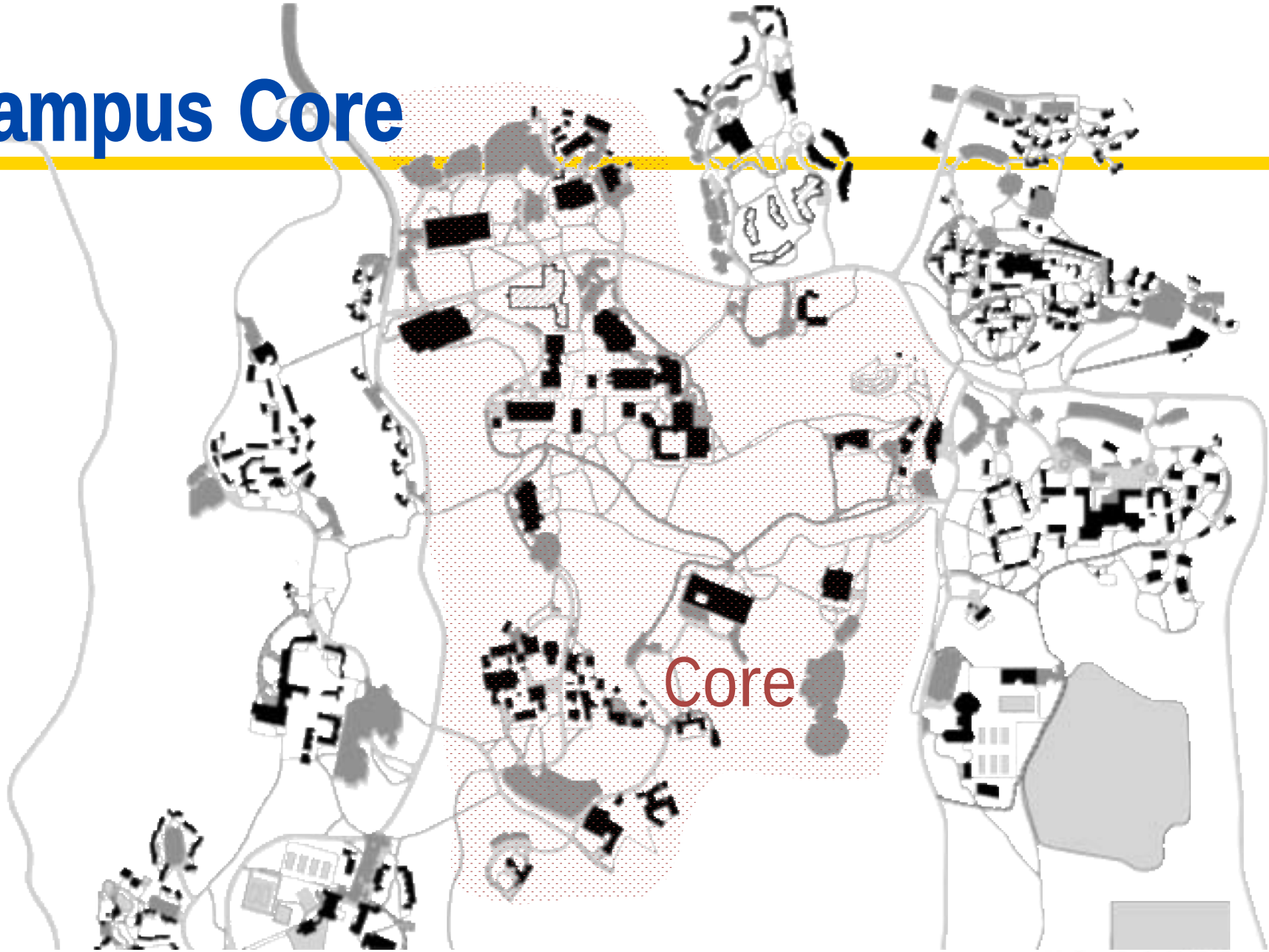

Campus Core

- larger scale buildings
- more formal arrangement

Campus Core

- larger scale buildings
- more formal arrangement
- “full respect for the site”

Campus Core

- larger scale buildings
- more formal arrangement
- “full respect for the site”
- architectural diversity

McHenry Library, 1966 & 1976
John Carl Warnecke & Associates

Campus Core

- larger scale buildings
- more formal arrangement
- “full respect for the site”
- architectural diversity

Science and Engineering Library, 1991
Esherick Homsey Dodge and Davis

Campus Core

- larger scale buildings
- more formal arrangement
- “full respect for the site”
- architectural diversity

Earth & Marine Sciences, 1993
McLellan & Copenhagen
with Zimmer Gunsul Frasca

Campus Core

- larger scale buildings
- more formal arrangement
- “full respect for the site”
- architectural diversity

Physical Sciences Building, 2004
Anshen + Allen San Francisco
with Moore Ruble Yudell

Campus Core at the Forest Edge

UC SANTA CRUZ

Campus Core at the Forest Edge

Academic Resource Center, 1989
Fernau & Hartman

Campus Core at the Forest Edge

Baskin Visual Arts, 1985
Marquis & Associates

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Campus Core at the Forest Edge

Music Center, 1996
Antoine Predock Architect

Campus Core at the Forest Edge

Arts Facilities, 1998
BOORA Architects

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Continuing the Pattern: Campus Core Capacity Studies

Continuing the Pattern: Campus Core Capacity Studies

Continuing the Pattern: Campus Core Capacity Studies

Design Principles:
Buildings Scaled to the Site

Design Principles: Careful Construction

- arborist consultation
- tree protection
- close inspection

Design Principles:
Design Response to Site Conditions

Core West Parking Structure, 2001
Watry Design Associates
with Esherick Homsey Dodge and Davis

Design Principles:
Design Response to Site Conditions

UC SANTA CRUZ

Design Principles: Materials and Colors

stone
concrete
masonry
plaster
wood
metals
glass

Design Principles: Materials and Colors

stone
concrete
masonry
plaster
wood
metals
glass

UC SANTA CRUZ

Design Principles: Materials and Colors

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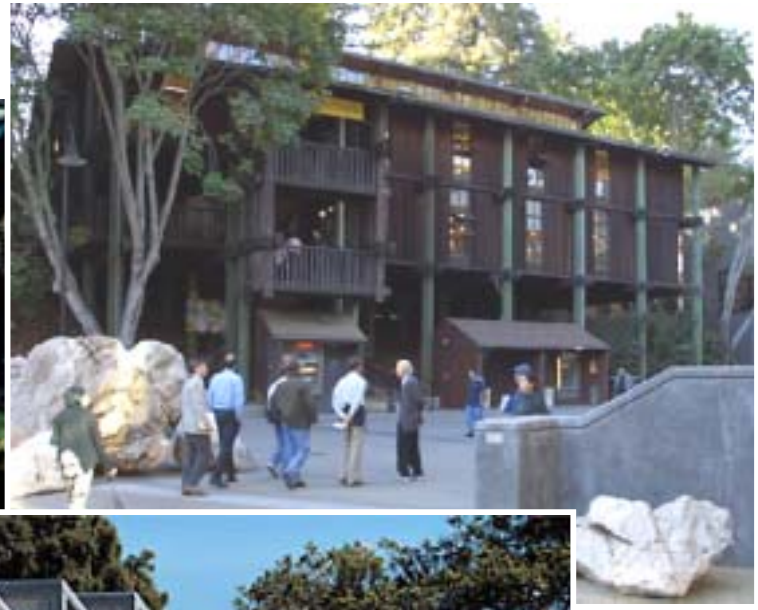

Design Principles: Materials and Colors

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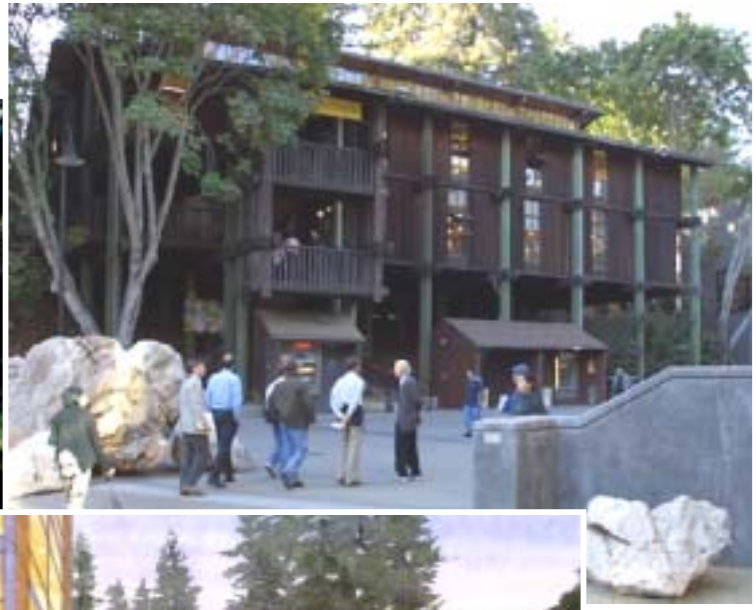

Design Principles: Materials and Colors

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Design Principles: Materials and Colors

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masonry
plaster
wood
metals
glass

Engineering Building 2004
Anshen + Allen Los Angeles

Design Principles: Materials and Colors

stone
concrete
masonry
plaster
wood
metals
glass

Design Principles: Materials and Colors

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Design Principles: Materials and Colors

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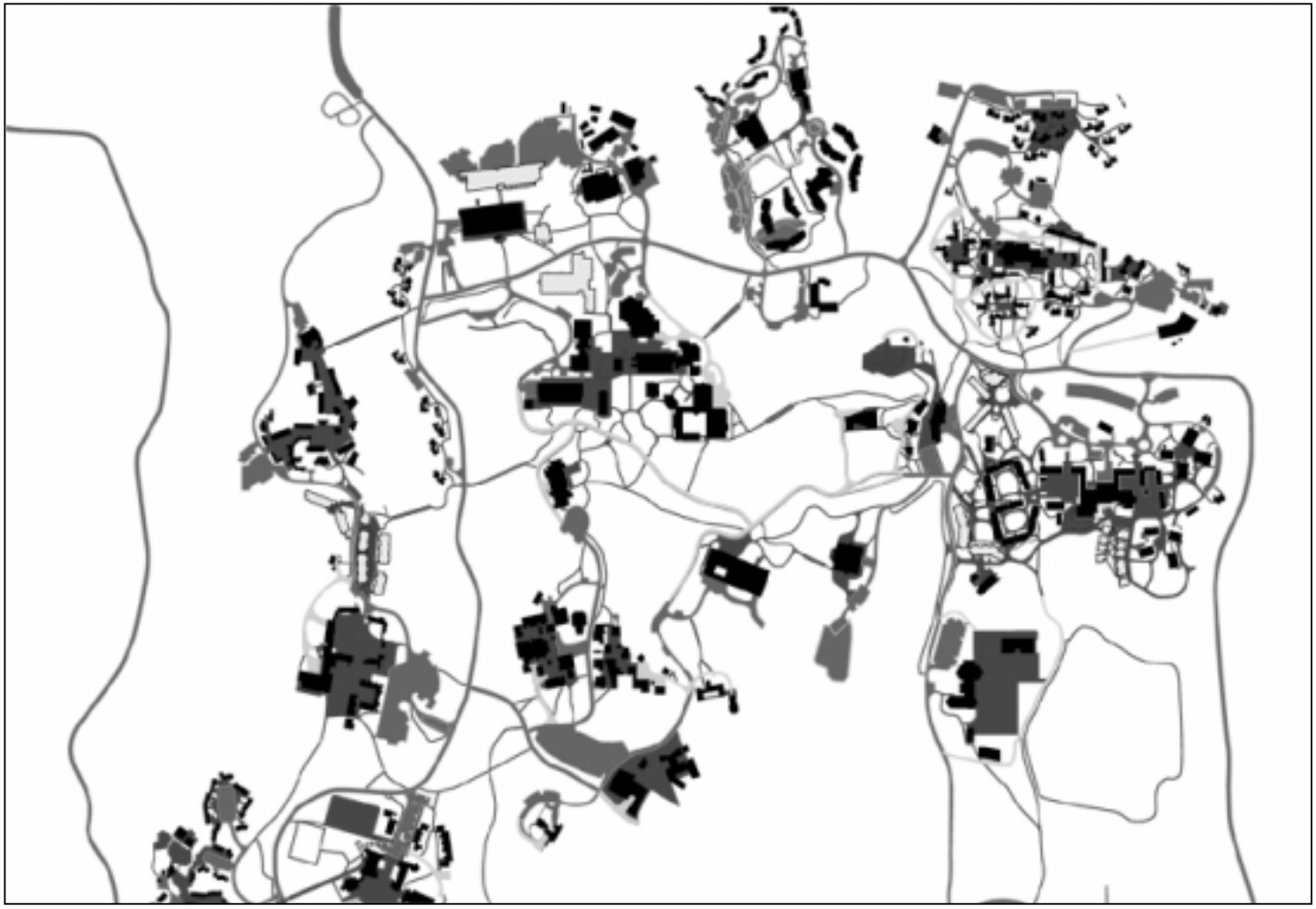
glass

Everywhere a sense of the surroundings

Everywhere a sense of the surroundings

Knitting the Parts Together : Circulation & Connections

buildings
major roads
service roads
paths & bridges
bicycle routes



UC SANTA CRUZ

Knitting the Parts Together : Circulation & Connections

buildings
major roads
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Knitting the Parts Together : Circulation & Connections

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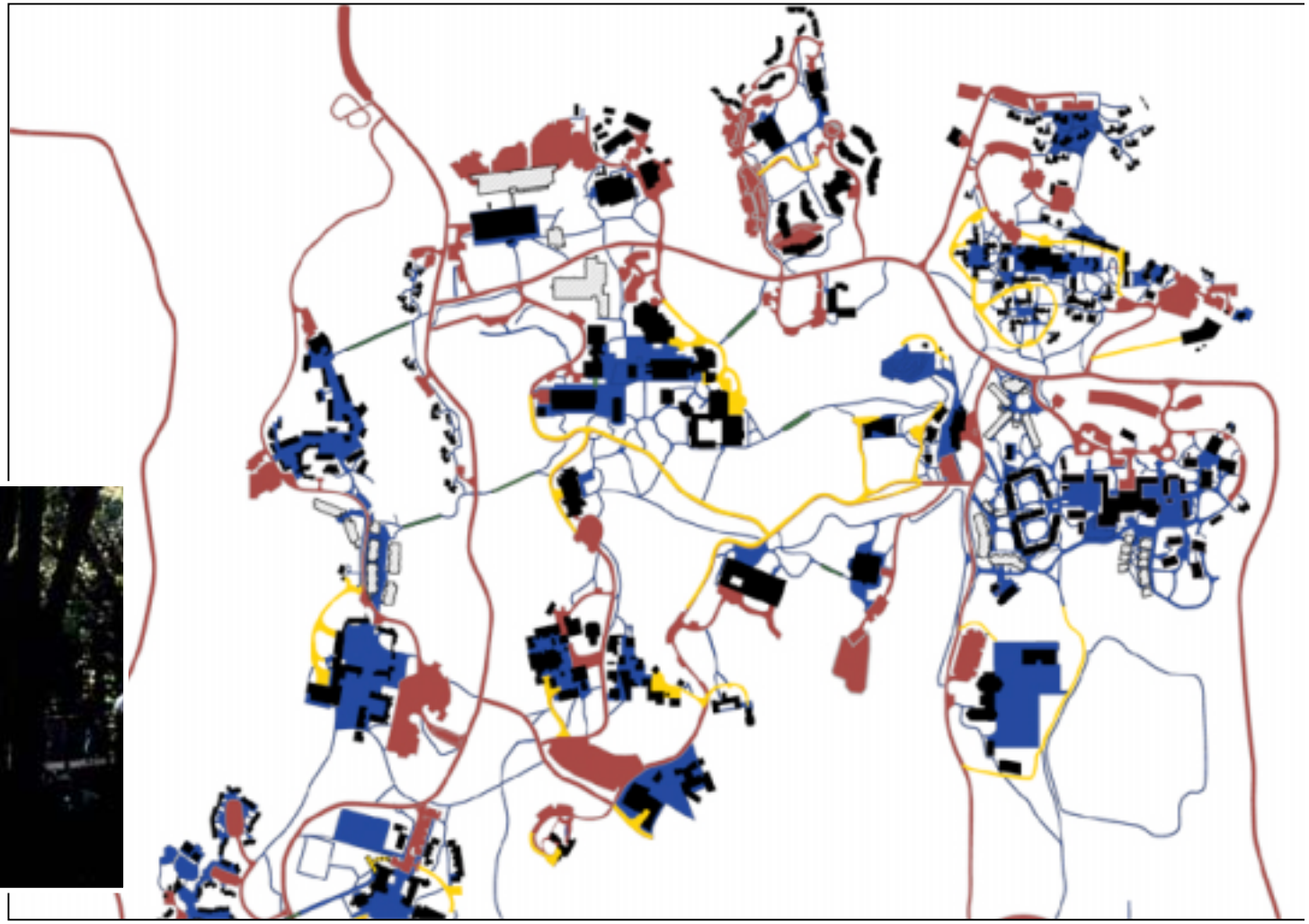

UC SANTA CRUZ

Knitting the Parts Together : Circulation & Connections

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major roads
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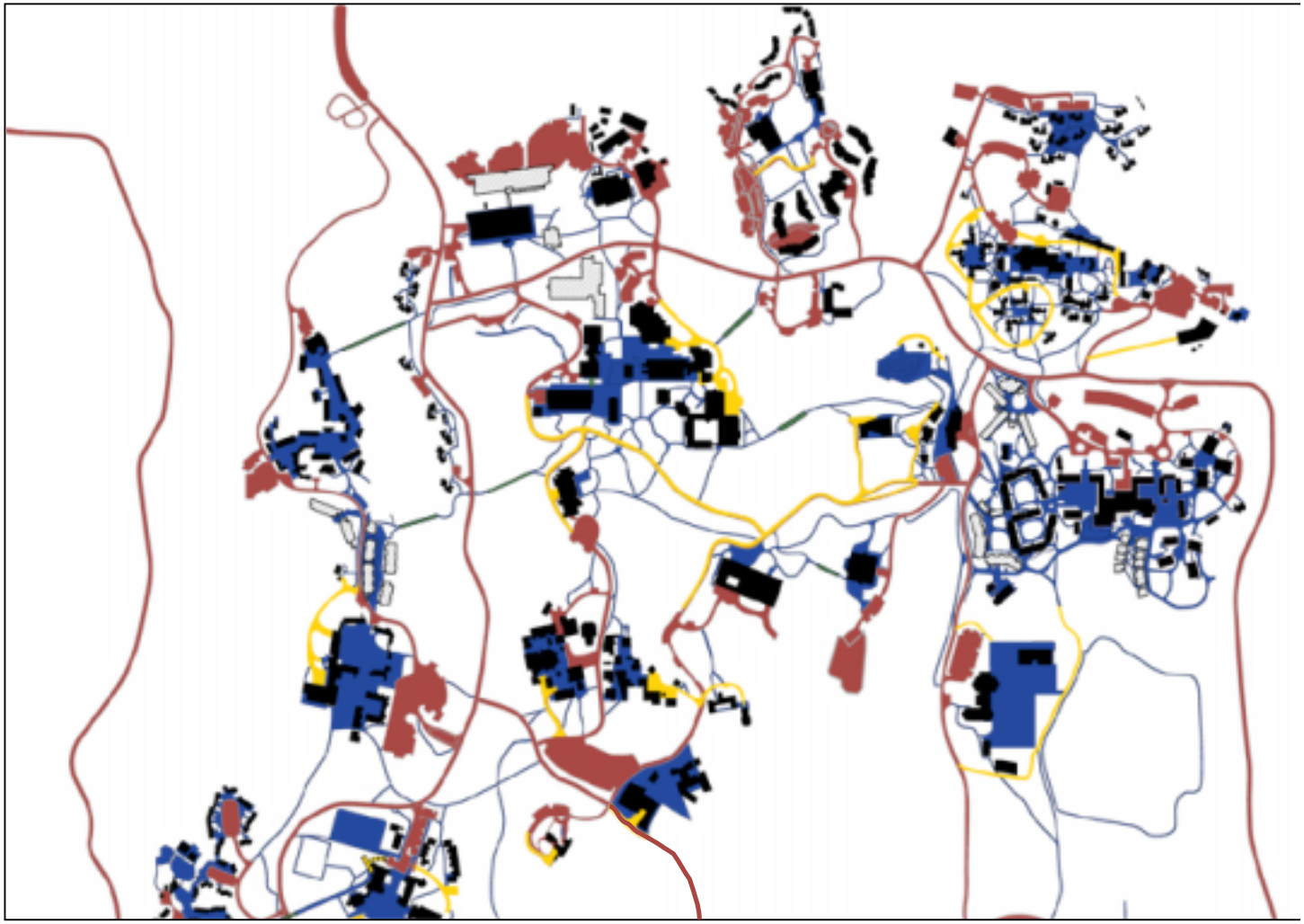


Knitting the Parts Together : Circulation & Connections

- The Challenge:
  - moving many people across complex terrain
  - enjoying the trip

Knitting the Parts Together : Circulation & Connections

- Solutions:
  - integrated transportation modes

Knitting the Parts Together : Circulation & Connections

- Solutions:
  - integrated transportation modes
  - complete pedestrian network

Knitting the Parts Together : Circulation & Connections

- Solutions:
  - integrated transportation modes
  - complete pedestrian network
  - convenient bicycle access

Knitting the Parts Together : Circulation & Connections

- Solutions:
  - integrated transportation modes
  - complete pedestrian network
  - convenient bicycle access
  - cars at the perimeter

Arriving at UC Santa Cruz: Cowell Ranch Buildings

UC SANTA CRUZ

Cowell Ranch Buildings

Cook House (Admissions Office)

UC SANTA CRUZ

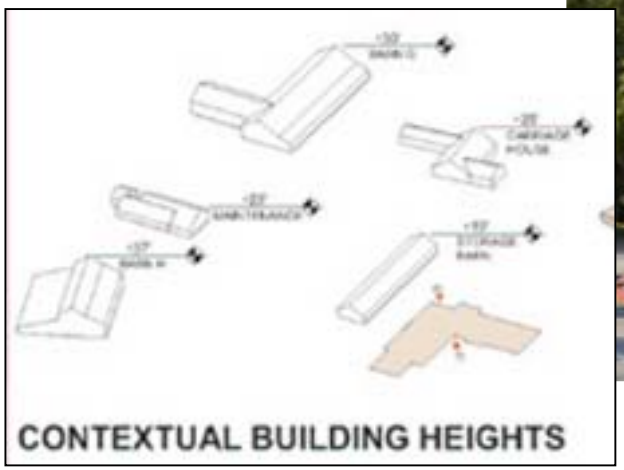
Cowell Ranch Buildings

Barn Theater

Cowell Ranch Buildings

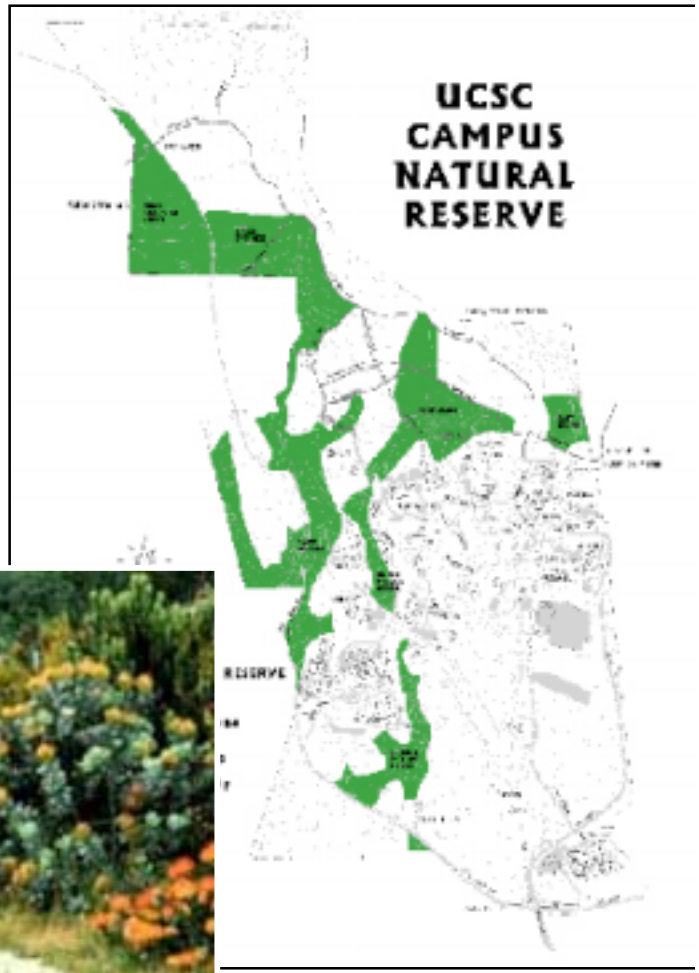
Carriage House (University Relations)

Cowell Ranch Buildings



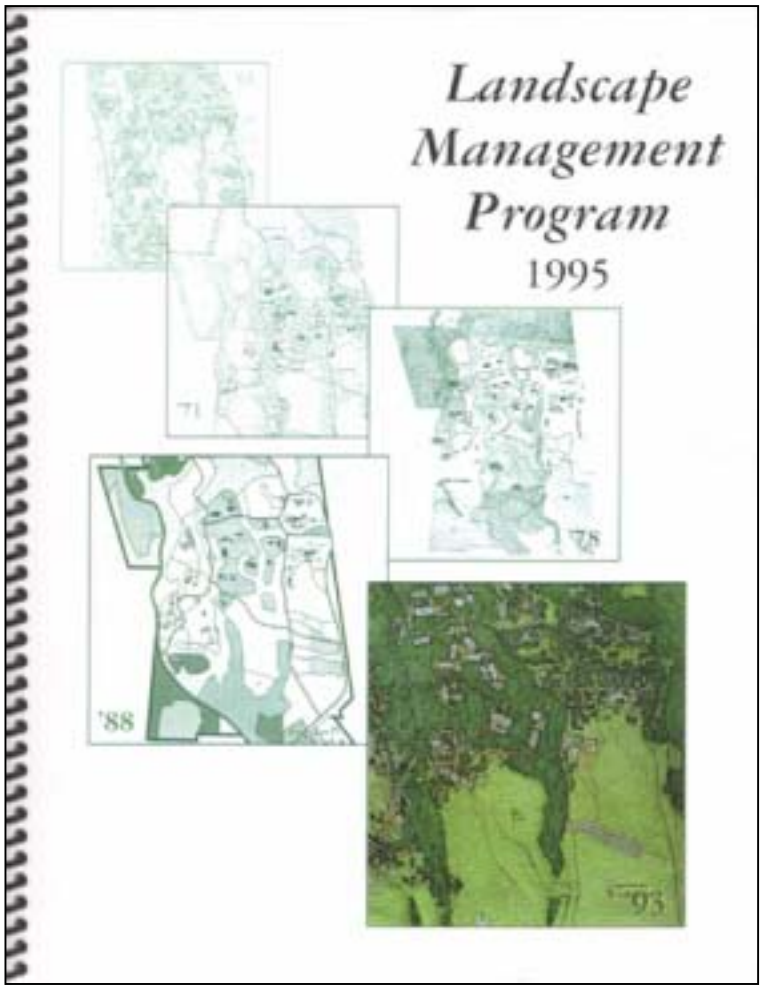
Campus Lands Managed as University Resource

- LRDP resource designation
  - Environmental Reserve - 393 acres
  - Protected Landscape - 312 acres
  - Site Specific Research - 152 acres



Campus Lands Managed as University Resource

- LRDP resource designation
  - Environmental Reserve
  - Protected Landscape
  - Site Specific Research
- informed landscape management practices



Campus Lands Managed as University Resource

- LRDP resource designation
  - Environmental Reserve
  - Protected Landscape
  - Site Specific Research
- informed landscape management practices
- oak reforestation

Campus Lands Managed as University Resource

- LRDP resource designation
  - Environmental Reserve
  - Protected Landscape
  - Site Specific Research
- informed landscape management practices
- oak reforestation
- grazing program

Our Next Steps:
The Vision Continues….

Long Range Development Plan 2005-2020

academic intentions and enrollment level

coordination with City of Santa Cruz General Plan

expansion and densification strategies

integrated solutions

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The Vision Continues….

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