

ACKNOWLEDGEMENTS

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A VERY SPECIAL THANK YOU TO:

MY PARENTS, SISTER AND DOG HONEY MY FRIENDS AND COHORT



OVERVIEW

- PERSONAL RELATIONSHIP & FIELD RELEVANCE
- (INTRODUCTION TO SITES
- RESEARCH QUESTIONS
- PERIODS AND PROCESSES OF SIGNIFICANCE
- **ESTABLISHMENT OF THEMES**
- THEMATIC APPLICATION
- CASE STUDIES PINELANDS SITES
- SPATIAL DISTRIBUTION OF RUTGERS SITES
- ENLARGEMENT SITE SIZE COMPARISON



HELYAR WOODS

- SURVEY ANALYSIS
- SITE AMENITIES AND USES
- CONCEPT PLANNING



LIVINGSTON ECO-PRESERVE

- SURVEY ANALYSIS
- SITE AMENITIES AND USES
- CONCEPT PLANNING



HUTCHESON MEMORIAL FOREST

- SURVEY ANALYSIS
- SITE AMENITIES AND USES
- CONCEPT PLANNING

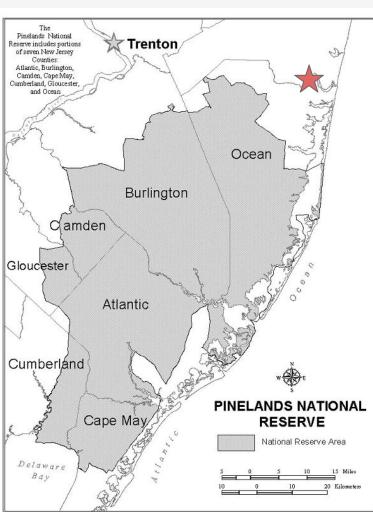


CUMULATIVE SITE COMPARISON



CONCLUSION

PERSONAL RELATIONSHIP & RESEARCH RELEVANCE TO THE FIELD







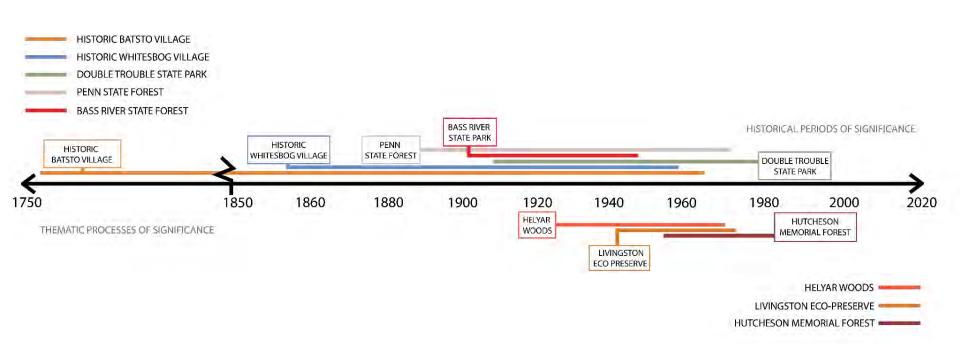
HOW ARE PUBLIC LANDS DEVELOPED AND WHAT ARE THE PRIMARY THEMATIC CONCEPTS DELIVERED TO THE PUBLIC?



CAN RUTGERS UNIVERSITY LAND, WHICH ARE ALSO LANDS TO THE STATE OF NEW JERSEY, DEVELOP SIMILAR THEMATIC CONCEPTS AND IMPROVE PUBLIC ACCESS TOWARDS THE ENHANCEMENT OF ENVIRONMENTAL, HISTORIC, AND SCIENTIFIC LITERACY?



CAN RUTGERS UNIVERSITY LANDS BETTER DEFINE THEIR MESSAGE AND DELIVER IT TO THE PUBLIC FACILITATING AN ENHANCED UNDERSTANDING OF THE STATE'S NATURAL AND HISTORIC RESOURCES AND THE ROLE THE UNIVERSITY PLAYS IN PROTECTING, UNDERSTANDING, AND CONVEYING THEIR IMPORTANCE?



ESTABLISHMENT OF THEMES



SITES TO SERVE AS
 POTENTIAL FOR
 INCREASED
 ENVIRONMENTAL
 AWARENESS AND
 LANDSCAPE APPRECIATION

EXPERIENCED
THROUGH



- ABILITY TO EXPERIENCE AND EXPLORE THE LANDSCAPE IN VARIOUS WAYS
- WALKING, FISHING, CYCLING, CANOEING

DEMONSTRATED BY:



- SITE SPECIFIC PLANT COMMUNITIES
- EVIDENCE OF SUCCESSION OR TRANSITION
- UNIQUE PLANT COMMUNITY QUALITIES



- LAND RESOURCES AND PROFITABILITY
- INDUSTRIAL LAND USE AND ITS IMPACTS TODAY
- NATURAL RESOURCE VALUE



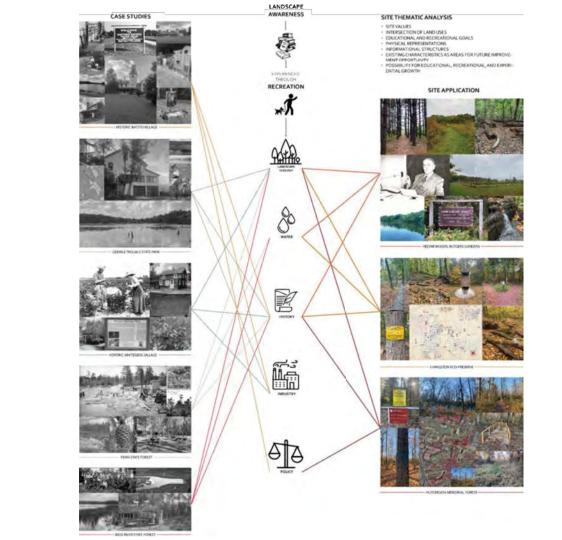
- SITE RESTORATION EFFORTS
- PREVIOUS OCCURRENCES
 WITH PRESENT DAY
 IMPACTS
- HISTORICAL FIGURES OR EVENTS



- WATER AS SITE BOUNDARY
- PRESENCE, FREQUENCY, INTENSITY AND IMPACT ON LAND USE
- AFFECT ON PLANT MATERIAL AND LAND USES



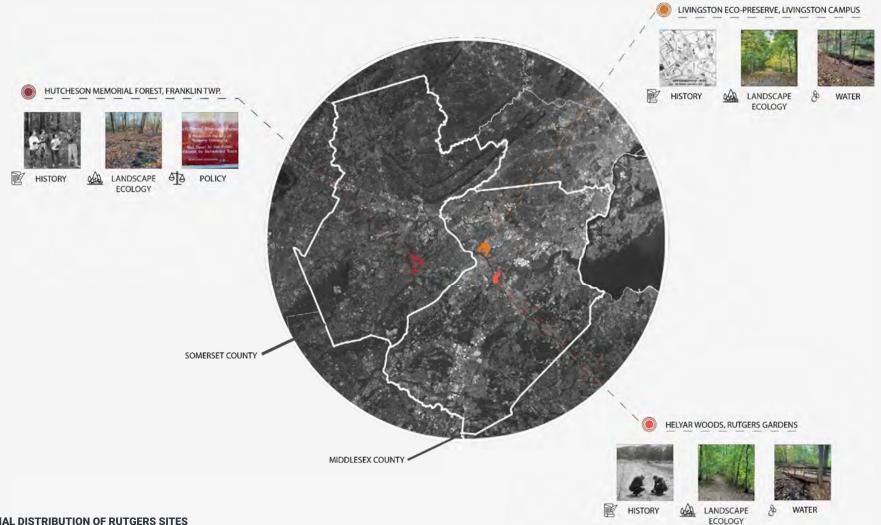
- LAND USE REGULATIONS
- SURROUNDING AREA INFLUENCE ON STUDIED SITES
- LAND OWNERSHIP AND VALUES



THEMATIC APPLICATION

CASE STUDIES - PINELANDS SITES







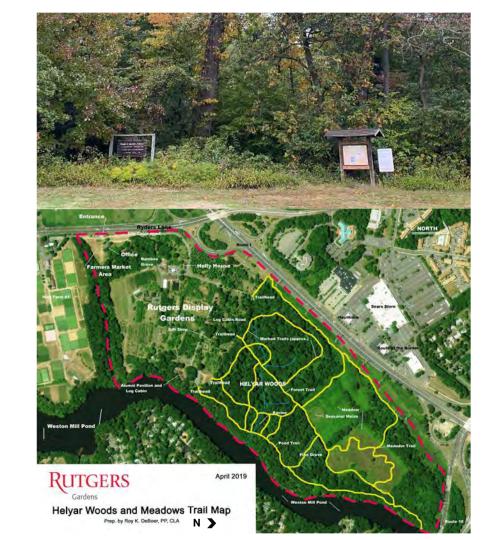








- FRANK G. HELYAR
 - LAND VALUES AND DESIRE
- EXISTING TRAIL SYSTEM
 - MARKED, DIFFICULT TO FOLLOW
- HELYAR'S USERS
 - STUDENTS, FACULTY, STAFF AND LOCAL COMMUNITY
- ACCESSIBILITY FROM RUTGERS CAMPUS
 - INDIRECT AND UNSAFE
- URBAN FOREST ECOLOGY OF HELYAR WOODS
 - URBAN LAND USE IMPACTS





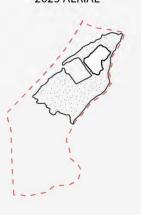














HELYAR WOODS, RUTGERS GARDENS







LANDSCAPE ECOLOGY - RAVINE EDGE

- · ACCESS BY EXISTING PATHS
- DEMONSTRATION OF TRANSITIONAL URBAN FOREST PHASE
- VISIBLE IMPACT OF INCREASED STORM WATER PRESENCE AND EROSION







HISTORY - ENTRANCE

- EXISTING SIGNAGE AS BASE POINT
 OPPORTUNITY FOR INFORMATION
- IMPLEMENTATION
- ABILITY TO INCREASE HISTORICAL KNOWLEDGE UPON ENTRY TO TRAIL SYSTEM



CONCEPT PLANNING



LIVINGSTON ECO-PRESERVE, LIVINGSTON CAMPUS









- MILITARY PRESENCE, LAND USE IMPACTS
- EXISTING TRAIL SYSTEM
 - WELL DEVELOPED AND MAINTAINED
 - HOST OF RECREATIONAL EVENTS
- LIVI'S USERS
 - STUDENTS, FACULTY, STAFF AND LOCAL COMMUNITY
- ACCESSIBILITY FROM RUTGERS CAMPUS
 - DIRECT AND SAFE
- URBAN FOREST ECOLOGY
 - PRINCETON HYDRO PROJECT
- WILDLIFE MANAGEMENT PLAN
 - DEER MANAGEMENT AND INFLUENCE



Rutgers University Ecological Preserve and Natural Teaching Area

TRAIL MAP

RUTGERS Map composed by the Creek F. Waston Content for Revision Danaing and Spetial Analysis (CRSSIA). Retigers University:

To more Rutgers Cological Preserve information, please visit ecopreserve pulgers exist. (CRS tremon University Creative content of the revision of CRS CRS CR







LIVINGSTON ECO-PRESERVE, LIVINGSTON CAMPUS







- OPPORTUNITY FOR PROVISION OF HISTORICAL STRUCTURE INFORMATION
- ABILITY TO DISCOVER SITE'S HIDDEN PAST
- LOCATE AND IDENTIFY UNIQUE HISTORICAL SPACES WITHIN SITE BOUNDARIES



BUILT FORM & EXTERIOR CIRCULATION



FOREST BOUNDARY



WATER & EXISTING TRAILS







LANDSCAPE ECOLOGY - PLANT COMMUNITIES

- DEFINING UNIQUE PLANT COMMUNITIES THROUGHOUT THE PRESERVE
- DOCUMENTATION AND IDENTIFICATION TECHNIQUES FOR SPECIES LOCATION
- INFORMATION ON SITE CONDITIONS THAT INFLUENCE PLANT COMMUNITY PRESENCE





WATER - BUELL BROOK

- VISITATION TO BUELL BROOK, MAIN WATERWAY OF THE PRESERVE
- OBSERVATION POINT FOR IMPACT OF STORM WATER MANAGEMENT PROJECT ON EROSION RATE
- EXPLORATION OF FREQUENTLY FLOODED AREAS BY BOARDWALK





HUTCHESON MEMORIAL FOREST, FRANKLIN TWP.







RESEARCH AS A FOCAL POINT

- LAND DEDICATED TO RESEARCH AND PRESERVATION
- EXISTING TRAIL SYSTEM
 - POORLY MARKED, DIFFICULT TO NAVIGATE
- HMF'S USERS
 - RESEARCHERS, PERMITTED USERS
- ACCESSIBILITY FROM RUTGERS CAMPUS
 - o INDIRECT, TRANSPORTATION REQUIRED
 - NOT ALWAYS OPEN TO THE PUBLIC
- URBAN FOREST ECOLOGY
 - MAINTENANCE OF RESEARCH INTEGRITY
- WILDLIFE MANAGEMENT PLAN
 - DEER MANAGEMENT AND INFLUENCE

