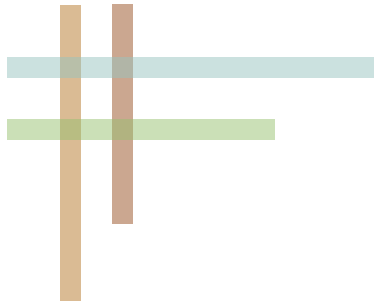




# Tatiène Guia

## Design Portfolio

Work from the Rutgers University LA program



Contact

858.405.3114  
tatiene.guia@gmail.com  
San Diego CA, 92129

Education

Rutgers University, Piscataway, NJ  
Dual Degree in Landscape Architecture BLA+MLA Program  
Focus in Anthropology  
Bachelor's Completed May 2022  
Master's Completed October 2023

Volunteer Experience

Team Leader

2014 - 2021  
Feeding San Diego, San Diego, CA  
» Assist in running various projects in the warehouse  
» Attend community outreach events and food distribution events

Honors & Awards

Dean's List (2019-2022)  
Sigma Lambda Alpha Honor Society (2021)  
Olmstead Scholar Nominee (2023)

Skills

AutoCAD  
SolidWorks  
InDesign  
Photoshop  
Microsoft Office  
Rhinoceros  
Illustrator  
Lumion  
ArcGIS

Online Portfolio

www.tnguia.com



Employment Experience

Teaching Assistant

Aug 2022 - Dec 2022 Rutgers University, New Brunswick, NJ  
» Grading assignments  
» Running office hours to assist in answering questions  
» Give students clarifying feedback

Research Assistant

May 2022- Aug 2022 Rutgers, New Brunswick, NJ  
» Assist in cataloging bird colors  
» Research and compile GIS data for mapping topology and geology of the Pine Barrens

Freelance Website Design

June 2020- Present Self-Employed, San Diego, CA  
» Recommend and update visual appearance of website  
» Rebuild backend and optimize website format for web searches

Store Operations Associate

June 2020-Aug 2021 At Home Décor, San Diego, CA  
» Unloading and processing freight deliveries  
» Merchandising product to shelves and organizing to maximize space and appeal  
» Assisting customers as needed to ensure customer satisfaction and safety

Event Staff

May 2018 - Present Go-Staff Inc., San Diego, CA  
» Ensure safety and satisfaction of guests at events for all age groups  
» Assist in setting up and breaking down offsite events  
» Assist in keeping facilities clean and accessible during events

Summer Intern

May 2020 - Aug 2020 Great Ecology, Old Town San Diego, CA  
» Graphic design for icons on website  
» Writing up project outline for website

Office Assistant

June 2016 - Aug 2016 Derek Lobo Estate Planning Law, San Diego, CA  
» Organization and coordination of all client files  
» Completing and assisting in witnessing forms (e.g., wills, trusts) as needed

## 5 Minute Sketches



*Cais das Colunas, Lisboa, Portugal, 2019*



*Cathedral Carmo, Lisboa, Portugal, 2019*



*Palacio Nacional de Pena, Sintra, Portugal, 2019*



*Camara Municipal do Porto, Portugal, 2019*



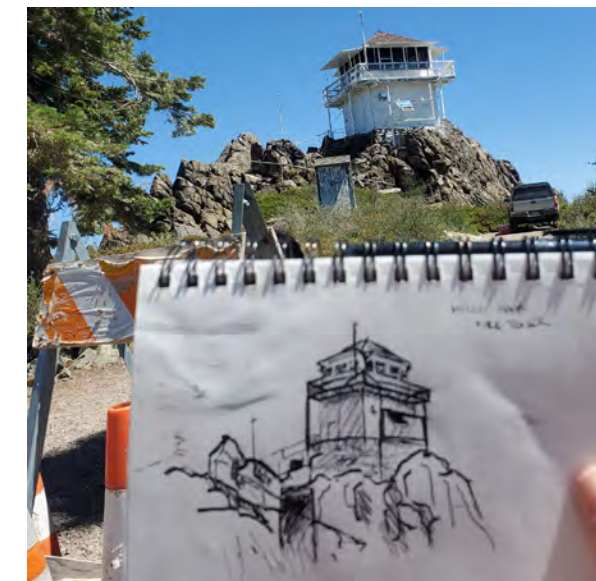
*Conimbriga Ruins, Portugal, 2019*



*Inukshuk Detail, Class Assignment, 2020*



*Teardrop Park, New York City, 2021*



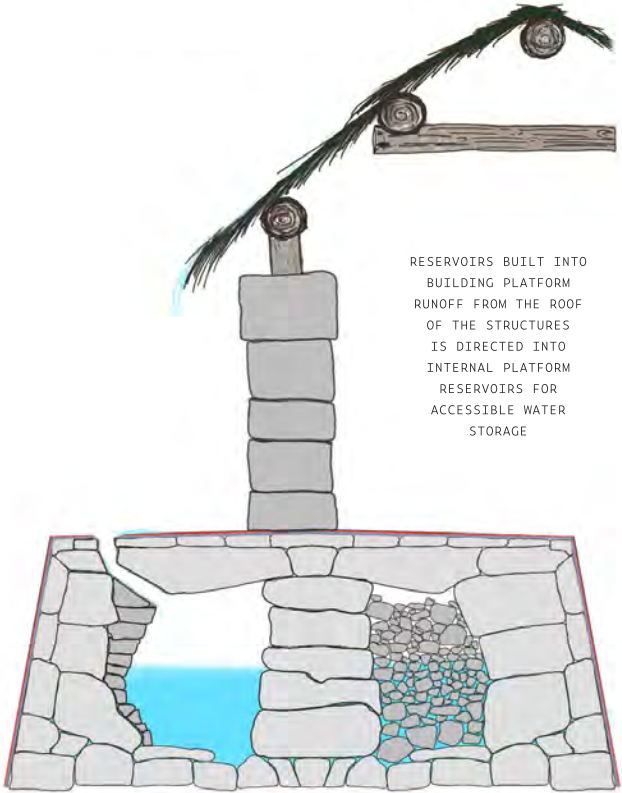
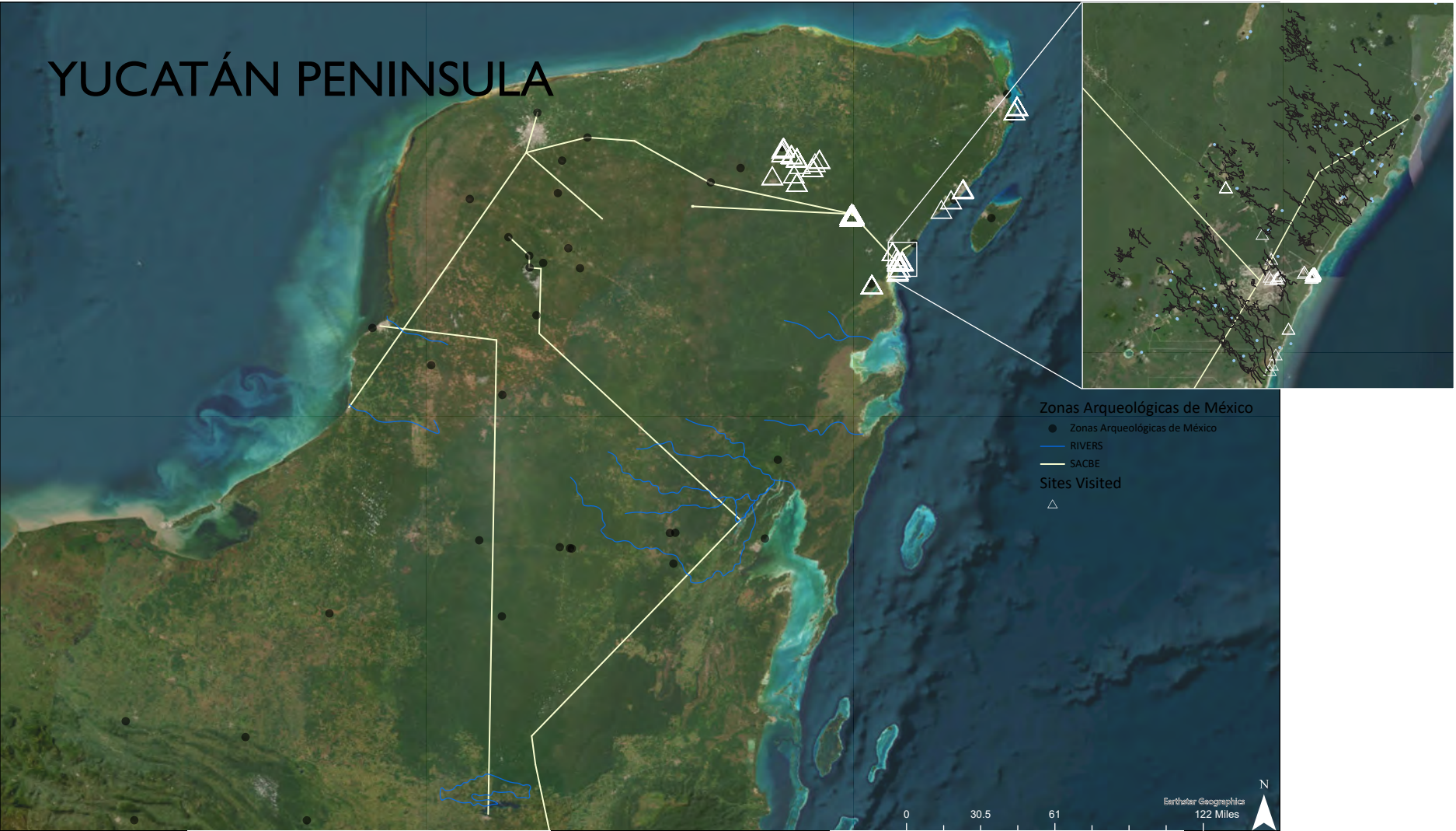
*Mills Peak, Plumas County, CA, 2021*



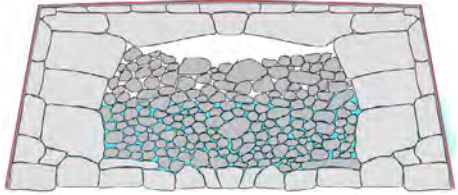
# Walking Over Water: Case studies of the Water Management Landscape of the Yucatán Peninsula

The jungle of the Yucatán Peninsula, Mexico, is home to hundreds of ruins of an incredibly advanced stone age society. The Mayans constructed extensive road networks and cities of stone, and perfectly integrated this infrastructure into the water systems of their landscape. As climate change prompts designers to take closer looks at vernacular landscapes, this set of case studies focus on the pre-Columbian vernacular landscape of Mayan cities, where water is integrated into the built landscape.

The case studies at Cobá, Ek Balam, and Tulum in Mexico create a visual sampling of natural and manmade reservoirs. Through a literature review of the sociopolitical history of each city, as well as a critical mapping study of the particular sites within these cities, the influence of water availability can be traced directly into the landscape. By engineering runoff management systems into the city, the Mayans captured rainwater into chultuns and aguadas, cisterns and altered lake beds. They were able to guarantee water access during all seasons through these retention systems. The critical site maps, detailing runoff and water retention in each city, are supplemented by photogrammetry models of sample reservoirs and wells.



INFILTRATION PORTAL DETAIL



GRAVEL FILL - INACCESSIBLE RESERVOIR

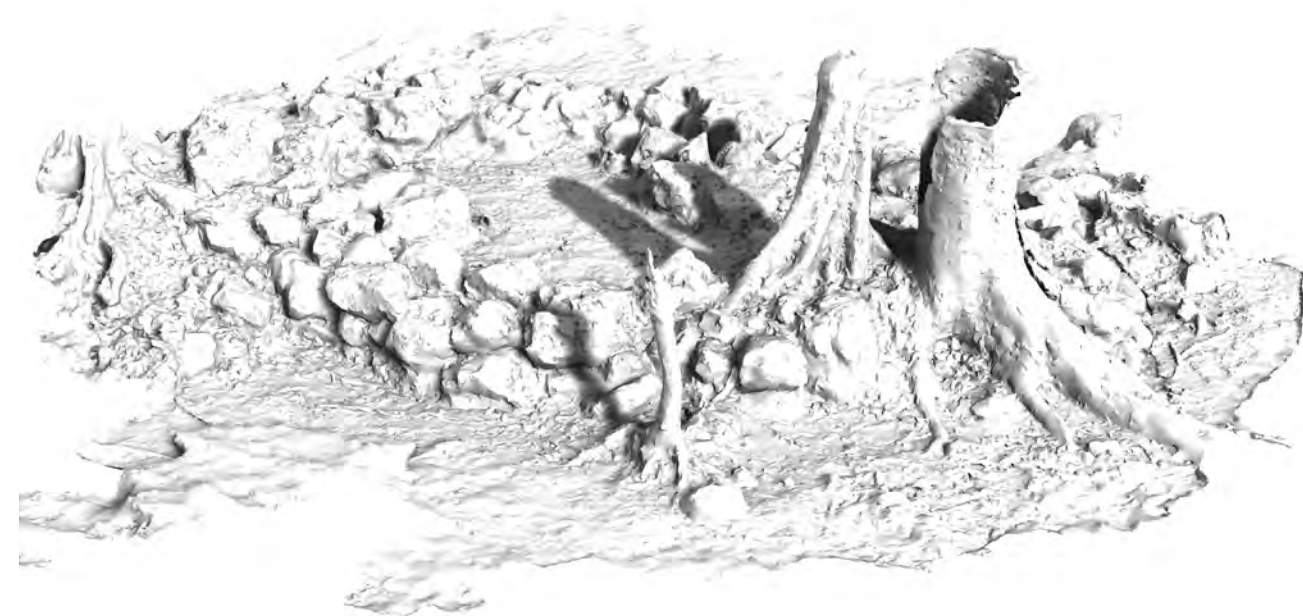
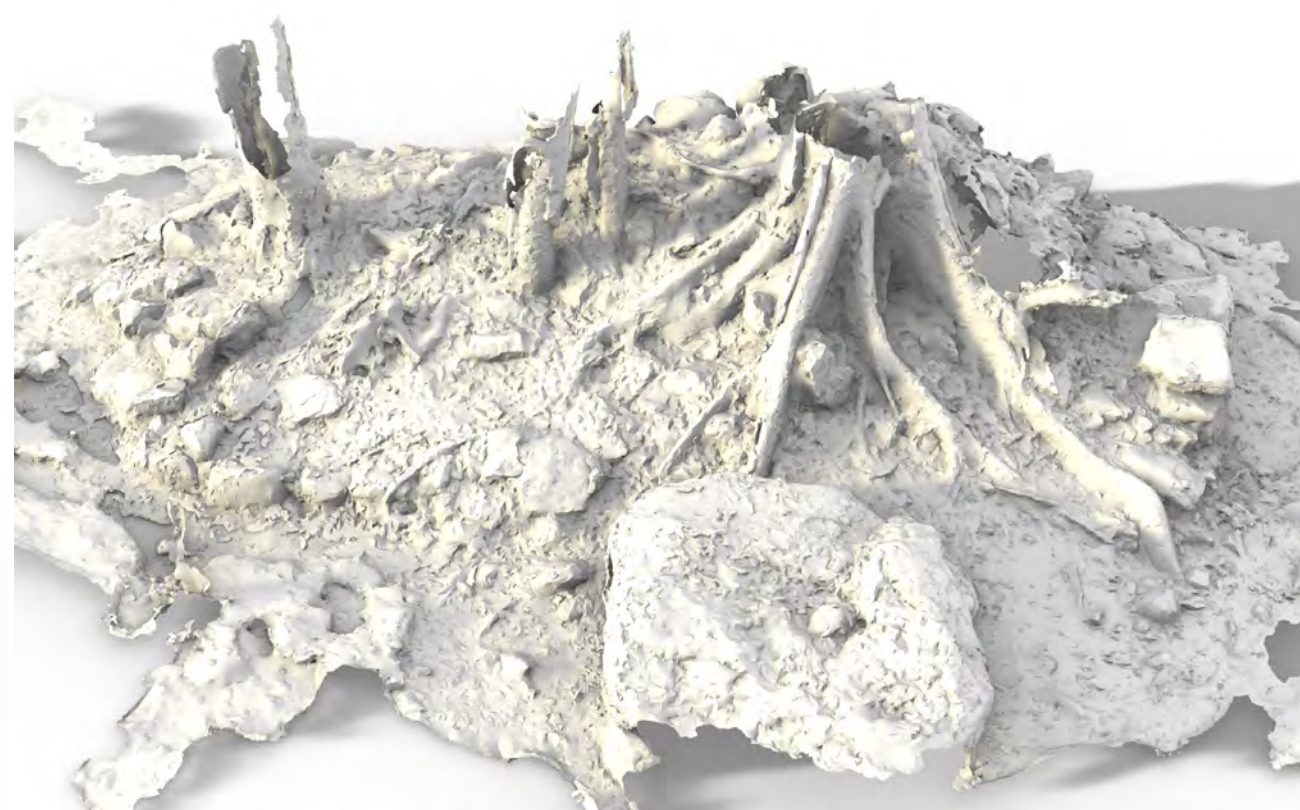
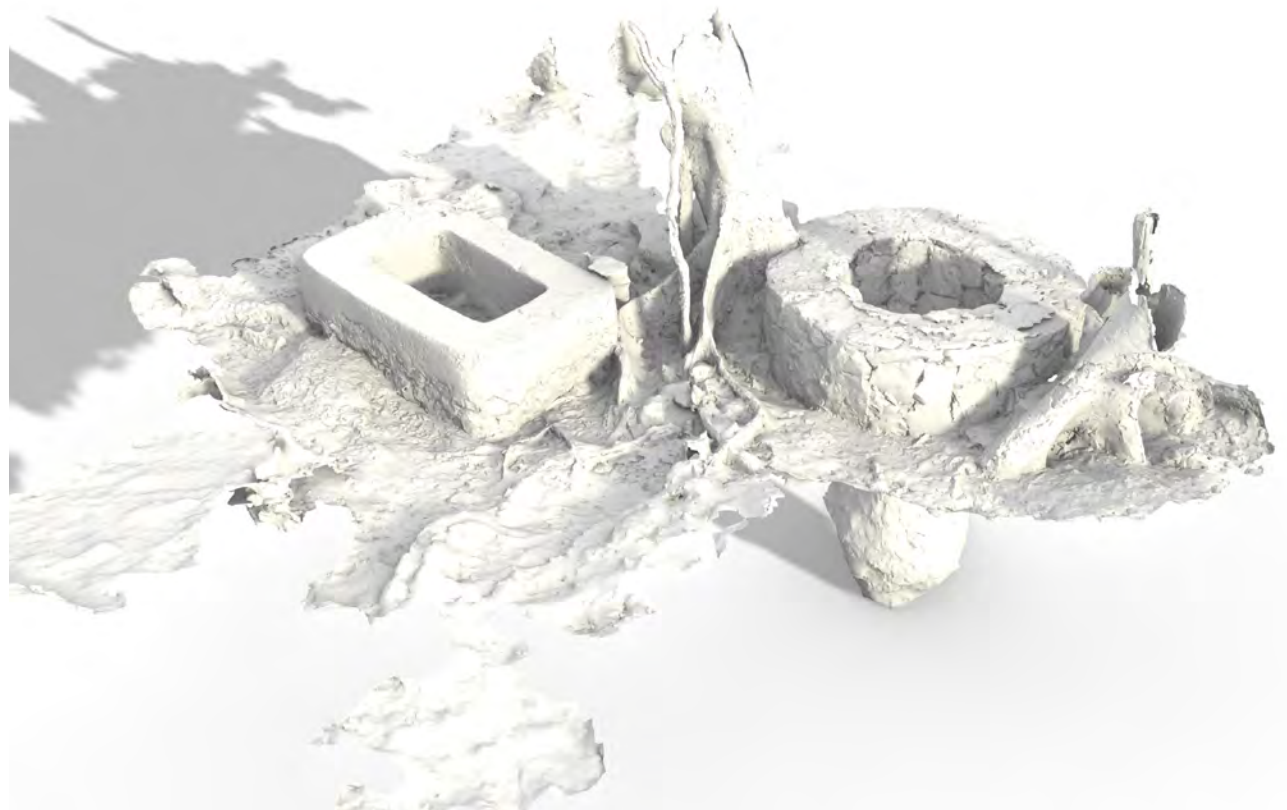


STEP ACCESS TO RESERVOIR

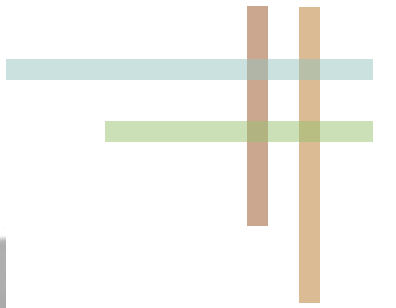


GRAVEL FILL - ACCESSIBLE RESEERVOIR





Photographic records describe the remnant materiality of these vernacular designs, which used simple clays to ensure the waterproofing of locally sourced stone structures. The sophistication of the masonry that created these structures is evident in the stability of the ruins throughout these jungles, and is visually testified in the detailed 3D models produced by photogrammetry. These case studies, illustrated through section and plan, accompanied by the photogrammetry models, demonstrate the deep understanding of vernacular water practices that is integrated into Mayan cities.



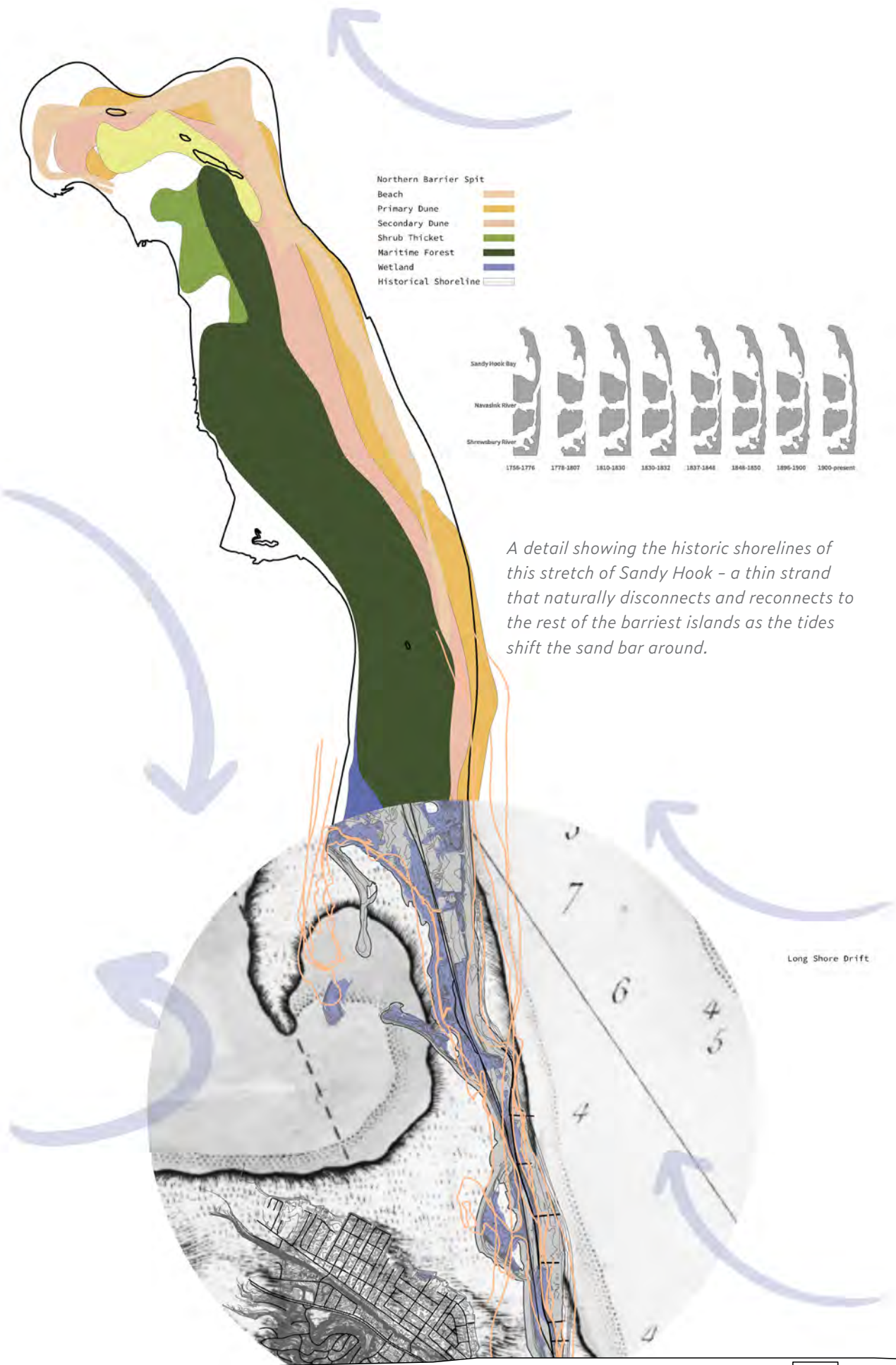
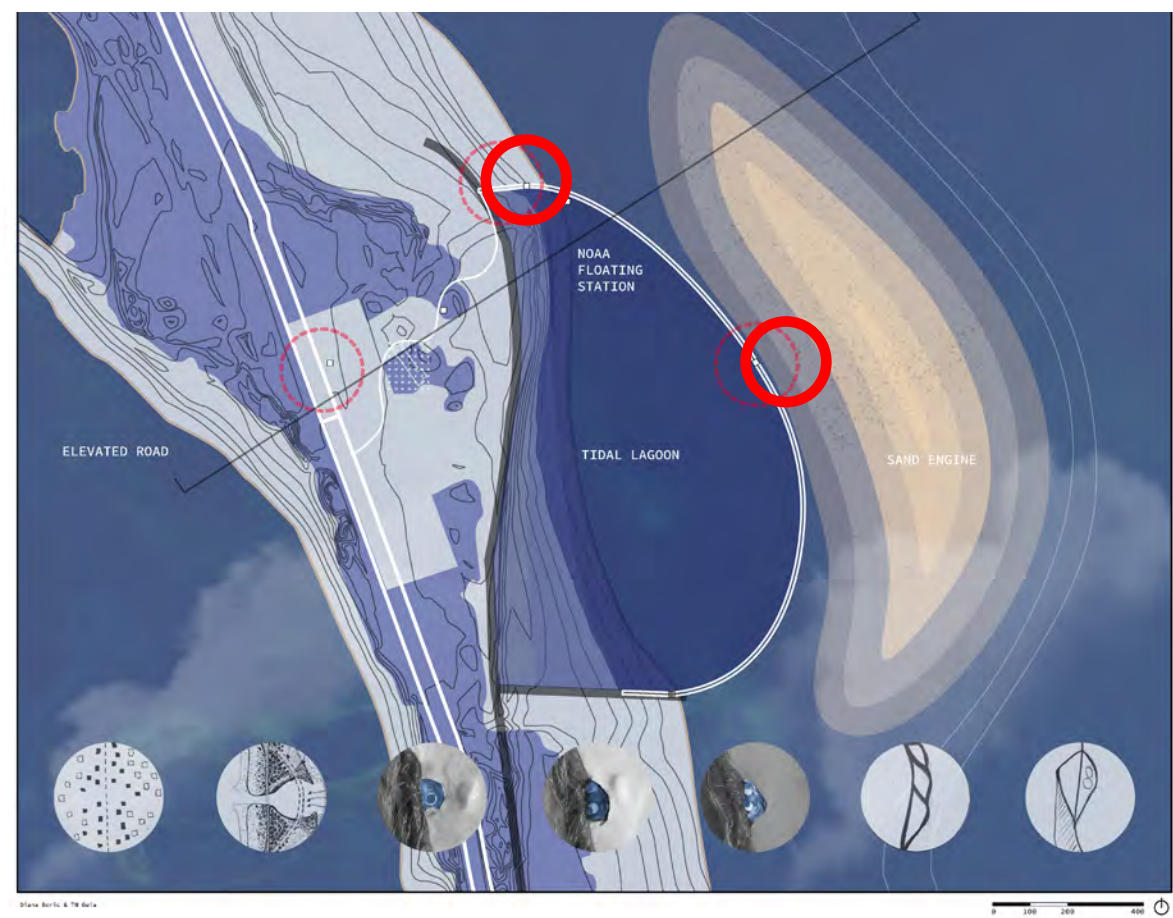


# Current Studio: Coastal Explorations

Instructed by Jessica Guinto of SCAPE, this 2022 studio work explored current and future coastline conditions in New Jersey. Along with Diana Boric and Meg Schneid, our team analyzed the spatial relationship of energy, shoreline infrastructure, and time.

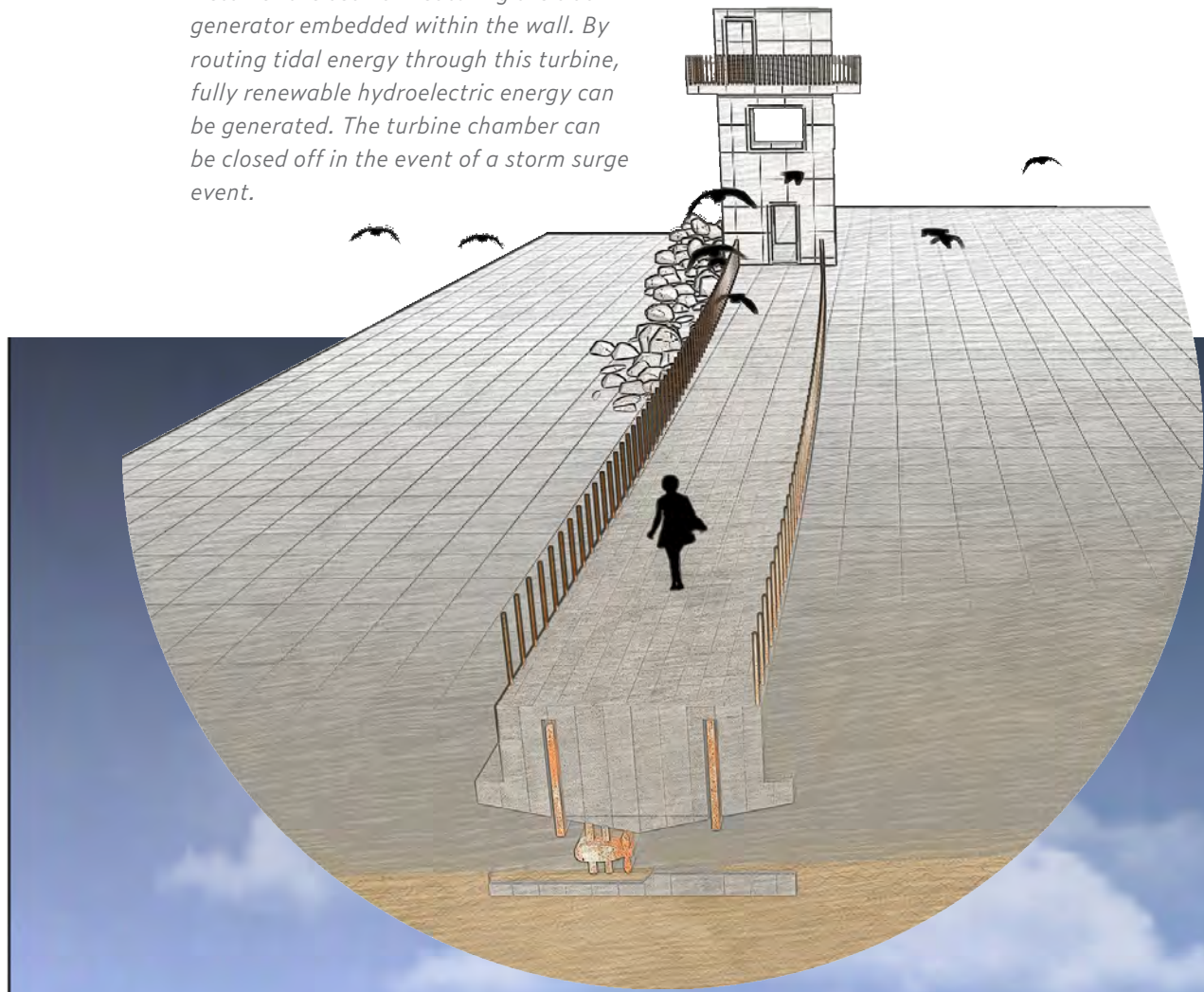
Drawing on that original framework of changing infrastructure and shoreline features through time, Diana and I focused on a site within Sandy Hook, specifically the sand spit that connects the vegetated zone of Sandy Hook with the rest of New Jersey's barrier islands. Our solution utilizes a tidal lagoon with embedded hydroelectric turbines as well as a large deposition of new sand. On the spit, we propose raising the existing road to create new views of New York and New Jersey, freeing the sand dunes from the confines of the road.

After testing longshore flow's effect on deposited sand using sand models and water, we created a design that combines power generation with wave energy mitigation and long-term sand deposition strategies, to stabilize this unstable and constantly shifting stretch of sand and road infrastructure.

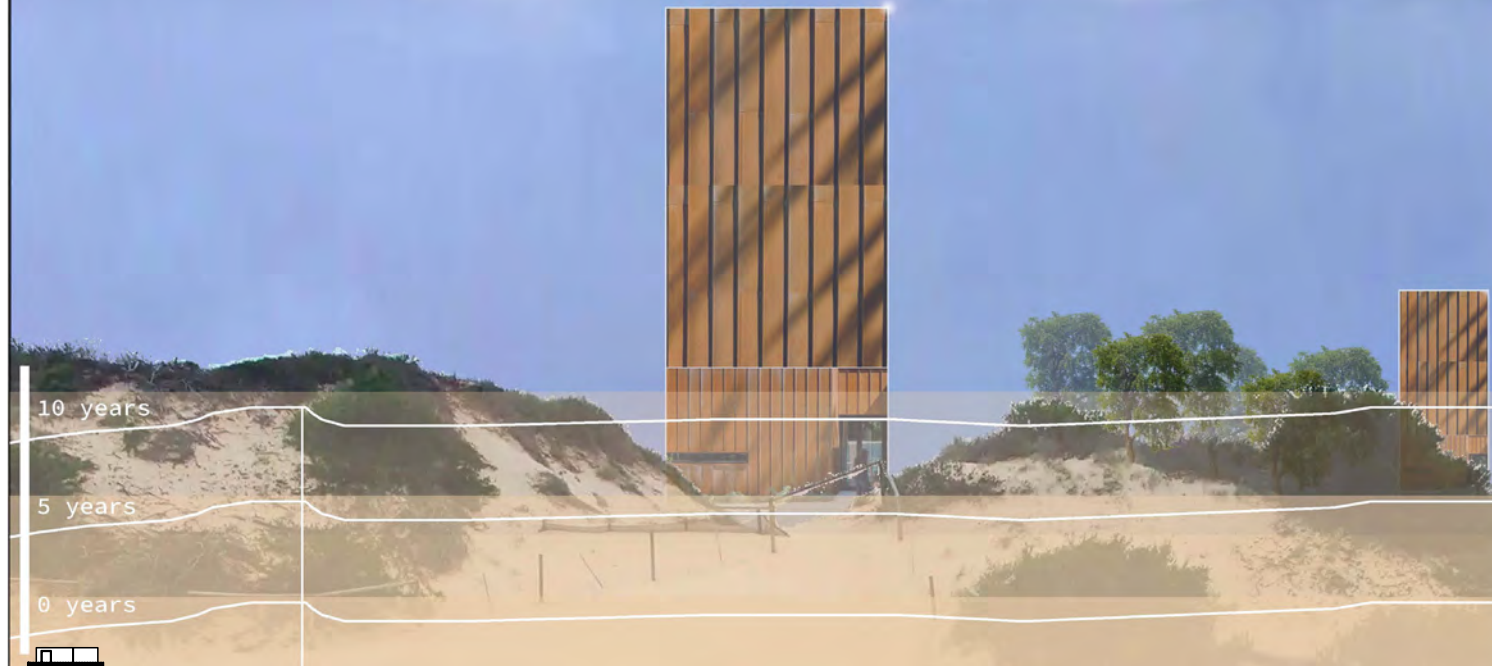
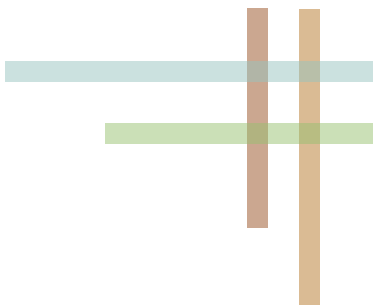
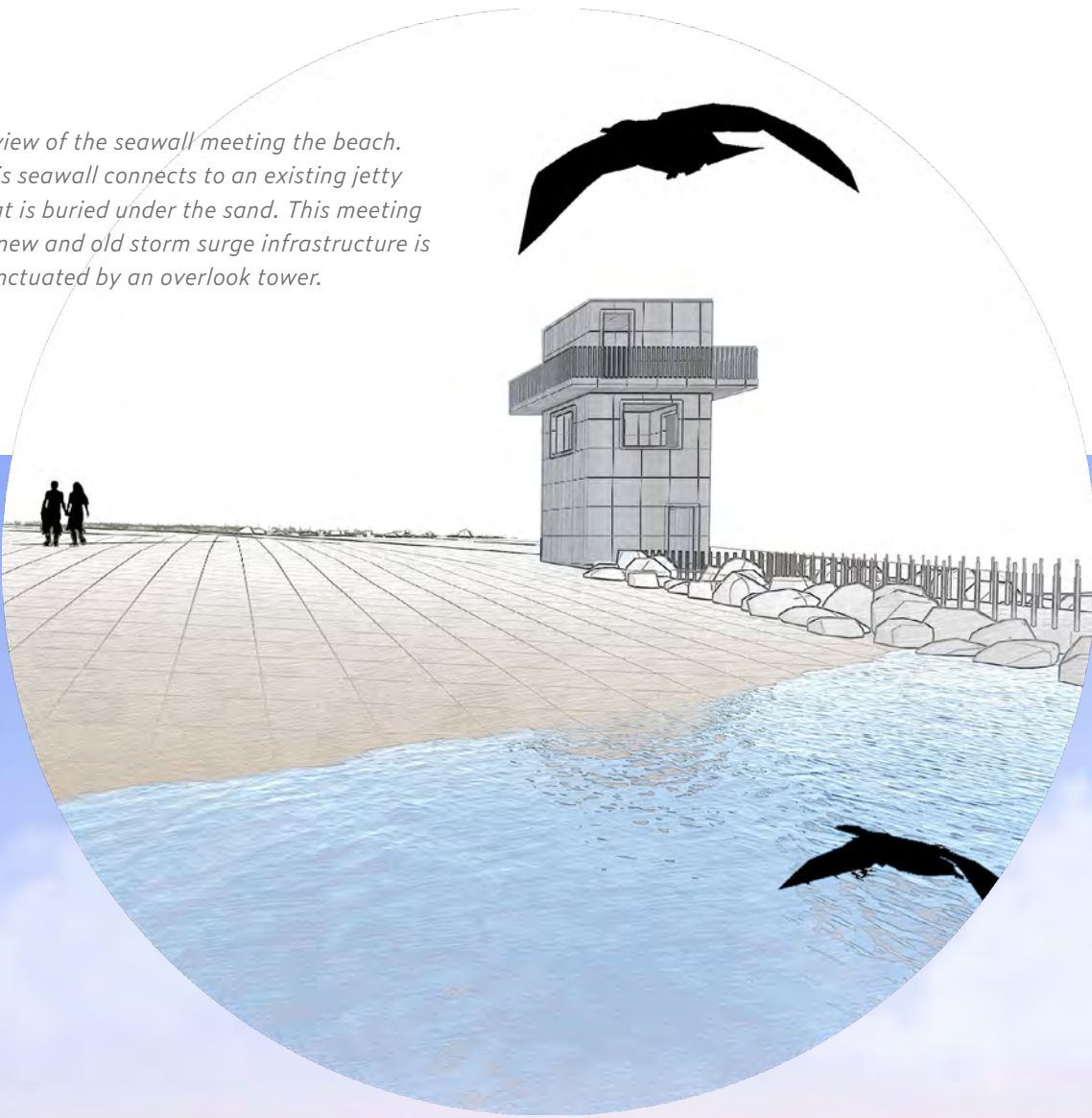




Detail of the seawall featuring the tidal generator embedded within the wall. By routing tidal energy through this turbine, fully renewable hydroelectric energy can be generated. The turbine chamber can be closed off in the event of a storm surge event.

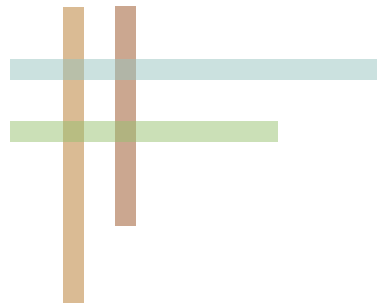


A view of the seawall meeting the beach. This seawall connects to an existing jetty that is buried under the sand. This meeting of new and old storm surge infrastructure is punctuated by an overlook tower.



As the sand dunes rebuild themselves, the towers will slowly be buried along with the seawall. This disappearance is a sign of success, and a testament to the power of the tides.





#### ▲ # 4 Francisquito

Inmates at Francisquito are offered GED and higher education programs, NA and AA meetings, religious services, sports, and hobby craft programs.

**Inmates are paid for their work. The majority are laborers who receive \$2.45 per day, while skilled inmates may earn up to \$5.12 per day. While assigned to fighting fires or working on other declared emergencies, inmates may earn an additional \$1.00 per hour.** Out of fire season, inmate crews are utilized on wild land fire suppression as well as county conservation assignments, including maintenance of the California Aqueduct, local parks, roads, and fire stations.

## Orange to Yellow

This is the result of my individual research portion of a studio inventorying and analyzing the carceral landscape of New Jersey, where I focused on the use of minimum offenders as firefighters in California. Using newspaper articles from the Sacramento Bee, Los Angeles Times, and news released by CA Corrections, I illustrated the stories of the underpaid labor of inmates in the hotspots of wildfires across the state.



#### ▲ # 26 Owens Valley

Inmates at Owens Valley are offered GED and higher education services, Narcotics and AA meetings, religious services, and hobby craft programs.

In 2020, Owens Valley Conservation Camp provided over **60,000 man hours of inmate fire suppression** in California and **80,000 hours working on conservation projects**, community beautification and other community services in the local area. These projects cover the Inyo and Mono counties, and the communities of Bishop, Lone Pine, Mammoth Lakes, and Independence.

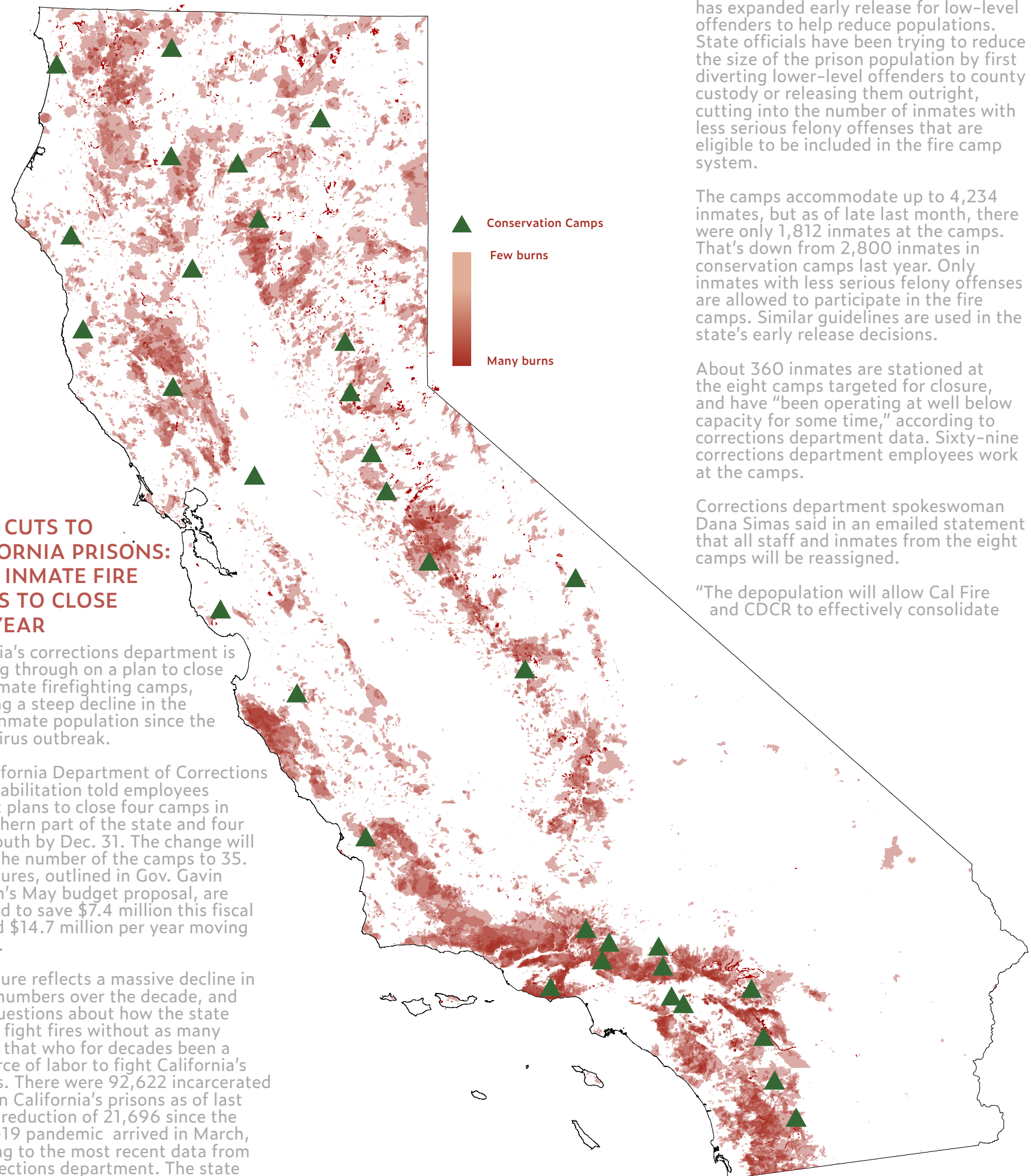
Owens Valley Conservation Camp (CC #26) was established in February 1960, and was originally named Inyo-Mono Conservation Camp. Owens Valley Fire Crews have primary responsibility to provide inmate fire crews for **fire suppression covering over 504,000 acres** of SRA land. Crews also respond to wild land/brush fires and other natural disasters from ranging from Pearsonville to the Nevada border.

### MORE CUTS TO CALIFORNIA PRISONS: EIGHT INMATE FIRE CAMPS TO CLOSE THIS YEAR

California's corrections department is following through on a plan to close eight inmate firefighting camps, reflecting a steep decline in the state's inmate population since the coronavirus outbreak.

The California Department of Corrections and Rehabilitation told employees Friday it plans to close four camps in the northern part of the state and four in the south by Dec. 31. The change will reduce the number of the camps to 35. The closures, outlined in Gov. Gavin Newsom's May budget proposal, are projected to save \$7.4 million this fiscal year and \$14.7 million per year moving forward.

The closure reflects a massive decline in inmate numbers over the decade, and raises questions about how the state plans to fight fires without as many inmates that who for decades been a key source of labor to fight California's wildfires. There were 92,622 incarcerated people in California's prisons as of last week, a reduction of 21,696 since the COVID-19 pandemic arrived in March, according to the most recent data from the corrections department. The state



has expanded early release for low-level offenders to help reduce populations. State officials have been trying to reduce the size of the prison population by first diverting lower-level offenders to county custody or releasing them outright, cutting into the number of inmates with less serious felony offenses that are eligible to be included in the fire camp system.

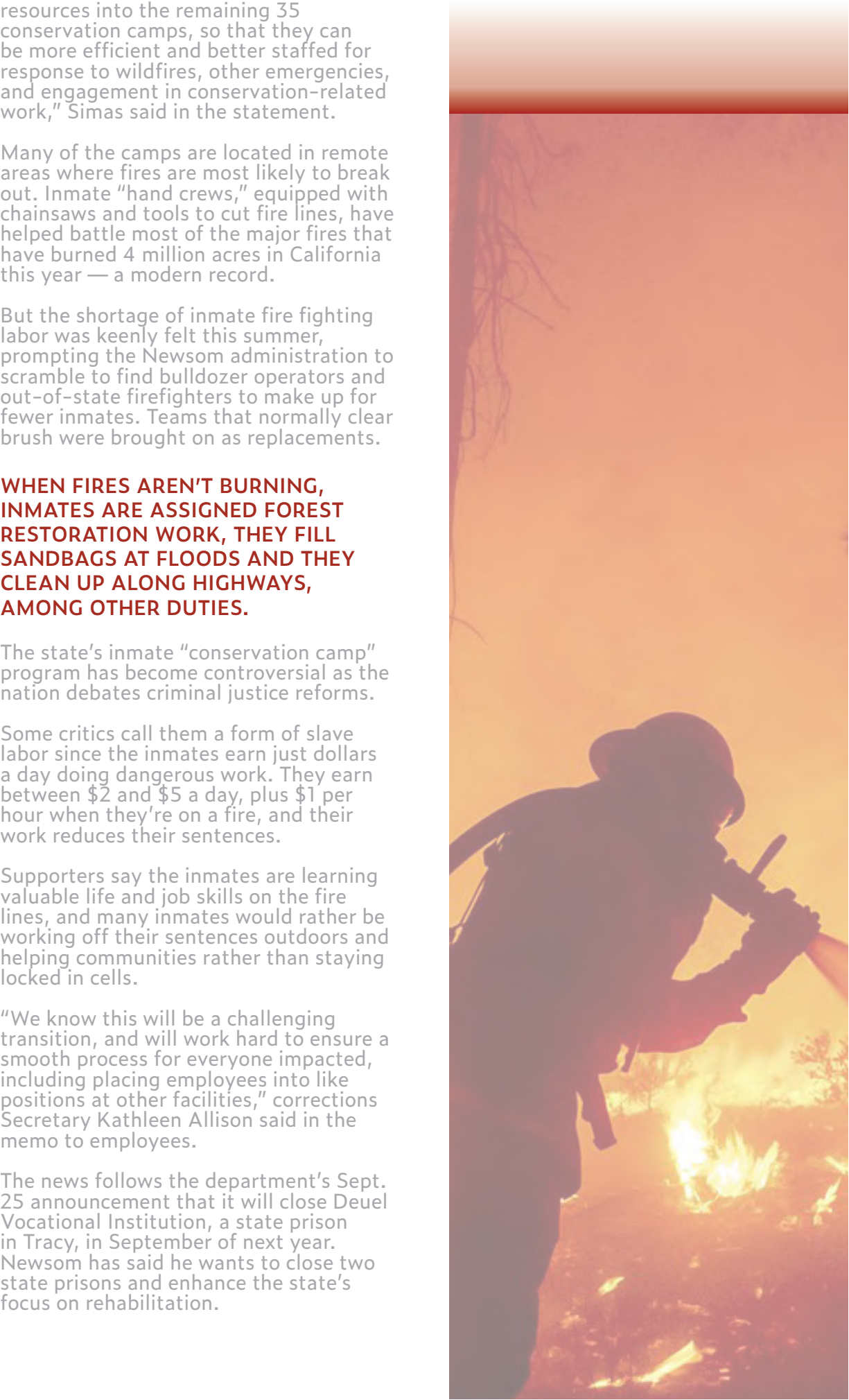
The camps accommodate up to 4,234 inmates, but as of late last month, there were only 1,812 inmates at the camps. That's down from 2,800 inmates in conservation camps last year. Only inmates with less serious felony offenses are allowed to participate in the fire camps. Similar guidelines are used in the state's early release decisions.

About 360 inmates are stationed at the eight camps targeted for closure, and have "been operating at well below capacity for some time," according to corrections department data. Sixty-nine corrections department employees work at the camps.

Corrections department spokeswoman Dana Simas said in an emailed statement that all staff and inmates from the eight camps will be reassigned.

"The depopulation will allow Cal Fire and CDCR to effectively consolidate





resources into the remaining 35 conservation camps, so that they can be more efficient and better staffed for response to wildfires, other emergencies, and engagement in conservation-related work,” Simas said in the statement.

Many of the camps are located in remote areas where fires are most likely to break out. Inmate “hand crews,” equipped with chainsaws and tools to cut fire lines, have helped battle most of the major fires that have burned 4 million acres in California this year — a modern record.

But the shortage of inmate fire fighting labor was keenly felt this summer, prompting the Newsom administration to scramble to find bulldozer operators and out-of-state firefighters to make up for fewer inmates. Teams that normally clear brush were brought on as replacements.

**WHEN FIRES AREN'T BURNING, INMATES ARE ASSIGNED FOREST RESTORATION WORK, THEY FILL SANDBAGS AT FLOODS AND THEY CLEAN UP ALONG HIGHWAYS, AMONG OTHER DUTIES.**

The state’s inmate “conservation camp” program has become controversial as the nation debates criminal justice reforms.

Some critics call them a form of slave labor since the inmates earn just dollars a day doing dangerous work. They earn between \$2 and \$5 a day, plus \$1 per hour when they’re on a fire, and their work reduces their sentences.

Supporters say the inmates are learning valuable life and job skills on the fire lines, and many inmates would rather be working off their sentences outdoors and helping communities rather than staying locked in cells.

“We know this will be a challenging transition, and will work hard to ensure a smooth process for everyone impacted, including placing employees into like positions at other facilities,” corrections Secretary Kathleen Allison said in the memo to employees.

The news follows the department’s Sept. 25 announcement that it will close Deuel Vocational Institution, a state prison in Tracy, in September of next year. Newsom has said he wants to close two state prisons and enhance the state’s focus on rehabilitation.



**CA LAWMAKERS PUSH TO LET EX-INMATES BECOME FIREFIGHTERS**

As California battles through another devastating wildfire season, state legislators have passed a bill that would make it easier for formerly incarcerated people to become firefighters.

AB2147 by Assemblywoman Eloise Gómez Reyes, D-San Bernardino, would allow people who have trained at state fire camps in prison to have their criminal records more quickly expunged upon release.

Every year, several thousand California prisoners volunteer to help the state fight wildfires. They are trained at a camp and often work alongside full-time firefighters, digging fire lines and thinning forests.

But many who serve on prison fire hand crews cannot get jobs doing the same work upon their release. Their criminal records prevent them from becoming emergency medical technicians, a certification that cities and counties require for firefighters.

“If we are willing to allow an incarcerated person to volunteer and help fight fires — protecting lives and property while putting their lives at risk — then we should be willing to allow (them) an opportunity to receive an expungement,” Reyes said in a statement.

The bill received final legislative approval Sunday, on a 51-12 vote in the Assembly, with most Democrats in support. One Democrat, Assemblyman Rudy Salas of

Bakersfield, and 11 Republicans cast the “no” votes.

Gov. Gavin Newsom has until Sept. 30 to decide whether to sign the legislation.

The Peace Officers Research Association of California, a statewide federation of police unions, opposed the bill, saying it could put people in need of emergency assistance at risk.

“To fully expunge a felon’s record in exchange for this work is not warranted, is dangerous to the public and fails to recognize the impact to the victims of the inmate’s crimes,” the group said in a statement.

Under the bill, people released from prison could petition a court to have their records expunged immediately. They would have to have worked on a fire hand crew and be lower-level offenders to be eligible.

The bill would exclude anyone convicted of murder, kidnapping, rape, lewd acts on a child under 14, a crime requiring registration as a sex offender, arson or any offense punishable by life in prison.

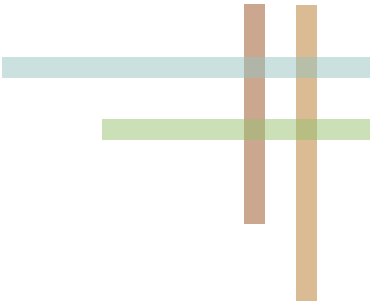
**THOSE WHO QUALIFY COULD HAVE THEIR FELONY RECORDS CLEARED AND PAROLE TERMINATED. CURRENTLY, PEOPLE RELEASED FROM PRISON TYPICALLY MUST WAIT YEARS TO GET THEIR RECORDS EXPUNGED IN ORDER TO ATTAIN EMT CERTIFICATION.**

California has suffered from a shortage of firefighters this summer, as historic fires have torched more than 1.7 million acres, killed seven people and burned 3,200 homes and other structures.

That shortage has been exacerbated by the coronavirus pandemic. California released thousands of incarcerated people early to slow the spread of the virus in prisons, which reduced its ranks of prison hand crews.

Reyes said the bill could also help prevent former offenders from committing further crimes by providing them a stable path to employment.

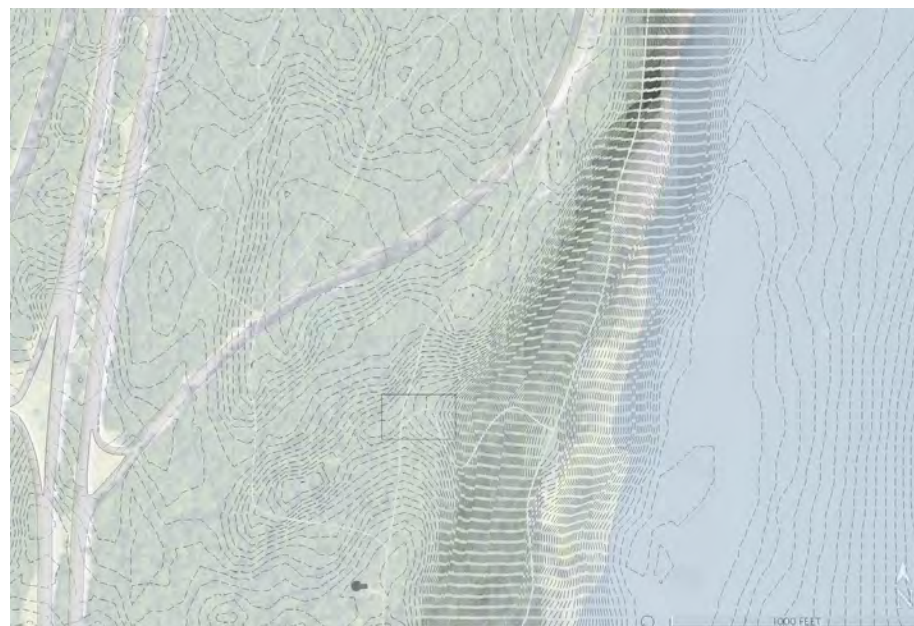
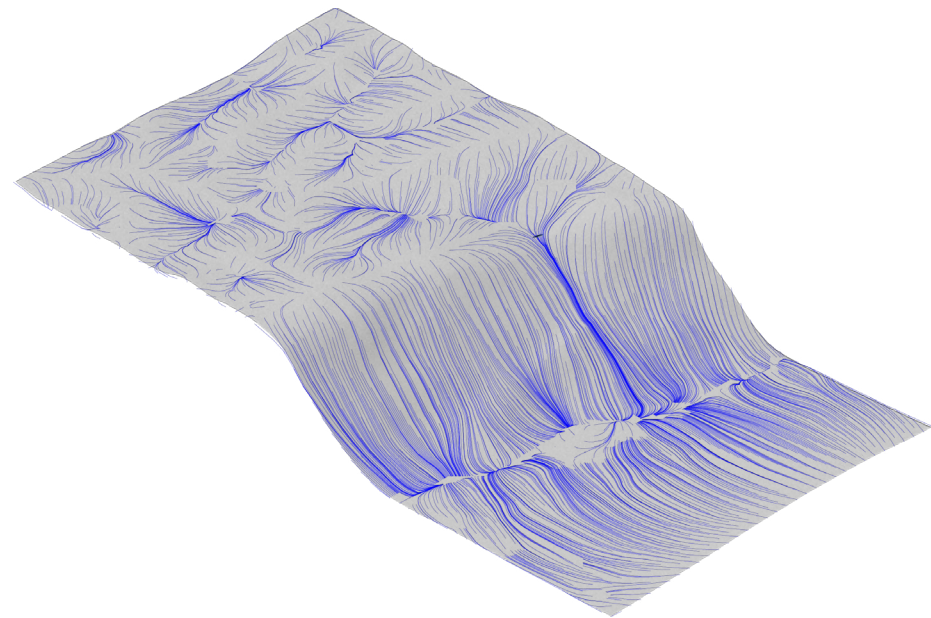
**“THOSE THAT HAVE SERVED ON THE FIRE LINES DESERVE A SECOND CHANCE,” SHE TWEETED AFTER THE BILL PASSED.**



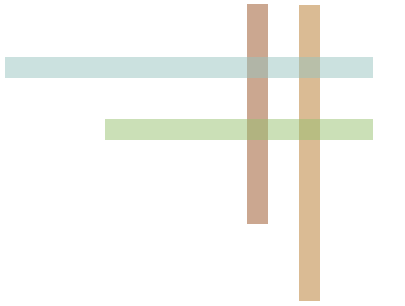


## Vernonia

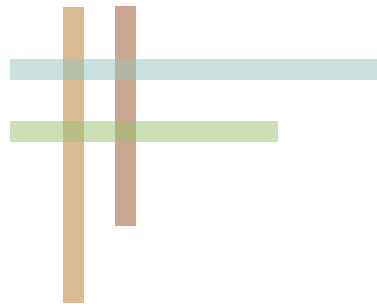
I was given freedom to select any location within NJ, so I chose a spot in the Palisades along a popular path and a seasonal creek. I then created within that site a platform that overhangs the cliff. I took inspiration for the form of the platform from the native species Ironweed (*Vernonia fasciculata*). The platform overlooks NYC, and the site underneath will over time demonstrate sucession and erosion processes.









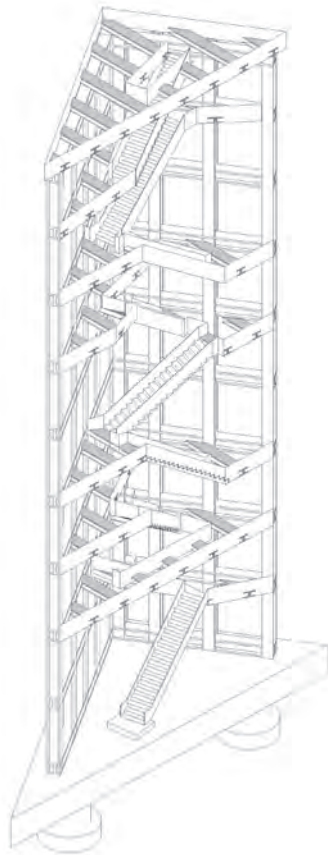


# Case Study: Landmarke Lausitzer

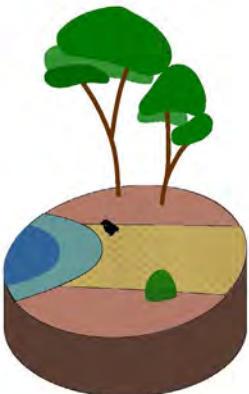
A study of Landmarke Lausitzer Seenland (Lusatian Lakeland Overlook Tower), located in Germany, breaking down the elements of the tower and the landscape it overlooks.



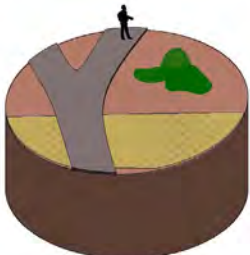
Site Plan (above) and Vignettes (below)



Construction Model (above left), 3D Print (above right), and Section-Elevation (below)



Wash into Sedlizer See



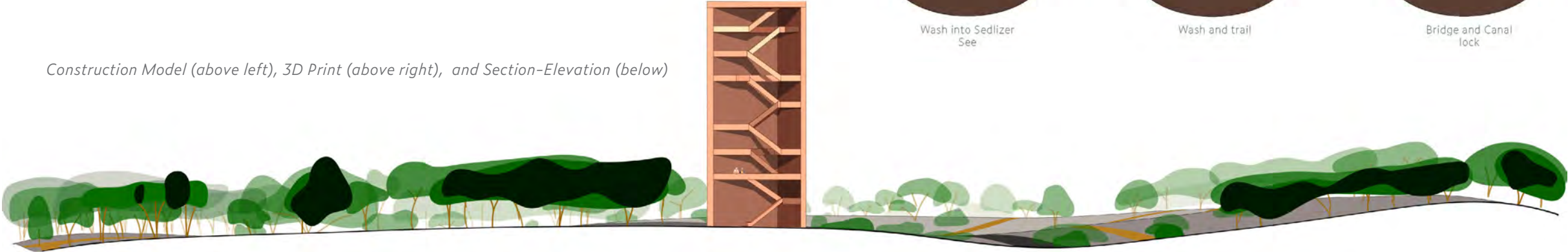
Wash and trail



Bridge and Canal lock



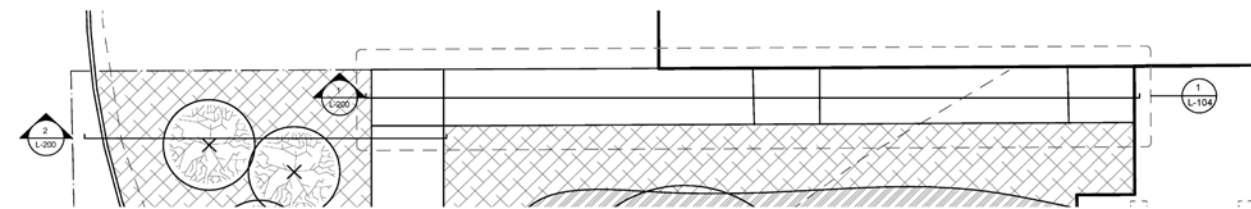
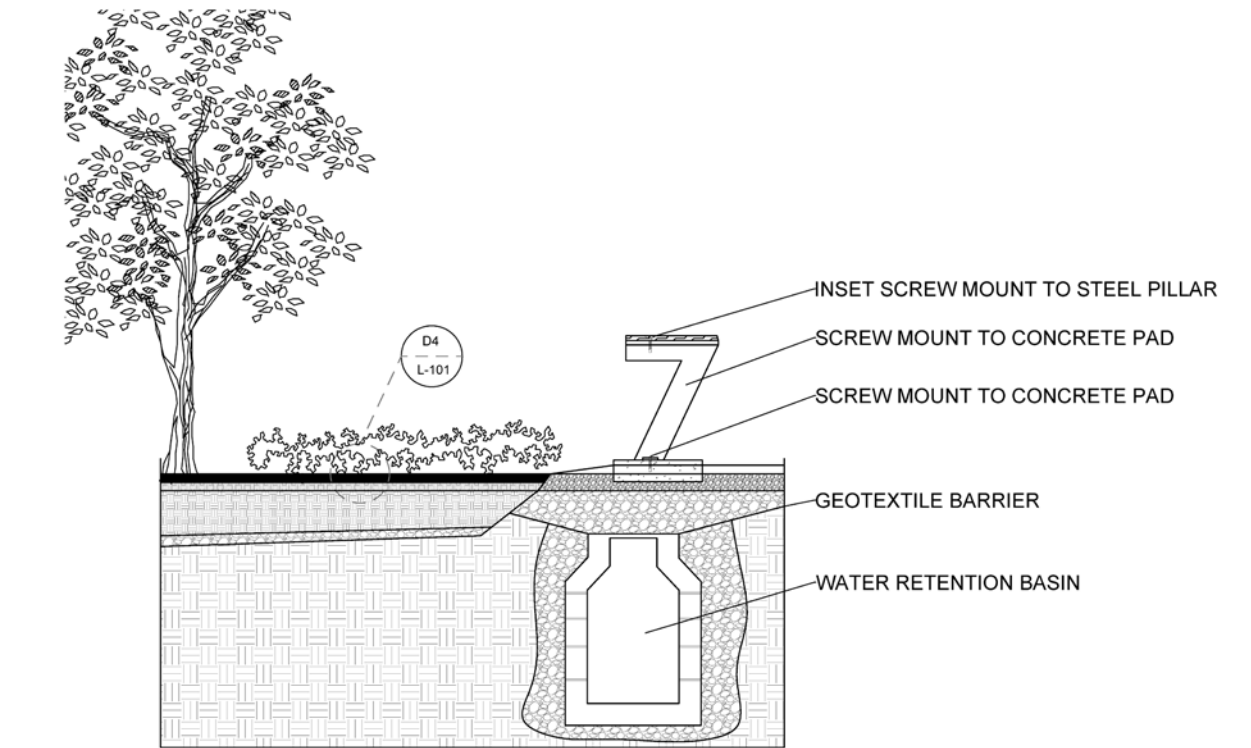
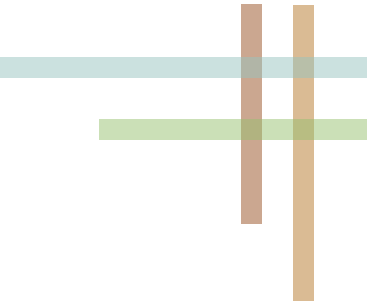
Rostiger Nagel





# Construction Documentation

A course dedicated to creating a full set of landscape construction documents. This task included creating paving patterns, seating and railing details, as well as ensuring positive drainage throughout the site.



1 RAMP ENLARGEMENT  
SCALE: 1/8"=1'

