



I Want to Live Together: I Want to Hear You Even as Extinction Tears You Away

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I Want to Live Together I Want to Hear You Even as Extinction Tears You Away

A Thesis Submitted to the Department of Landscape Architecture,

Harvard University Graduate School of Design
.

by

Kanchan Wali-Richardson

In Partial Fulfillment of the Requirements for the Degree of

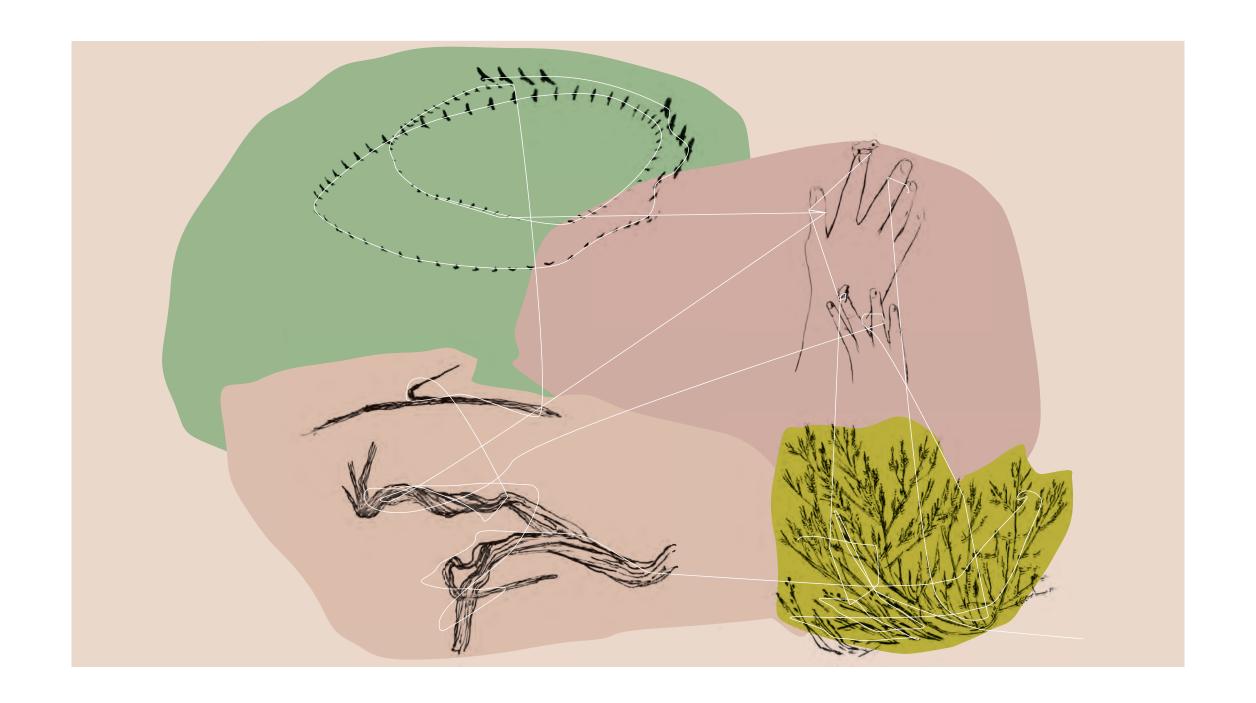
MASTER IN LANDSCAPE ARCHITECTURE

May 19th, 2021

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Kanchan Wali Richardson

Student Thesis Ac



i want to live together

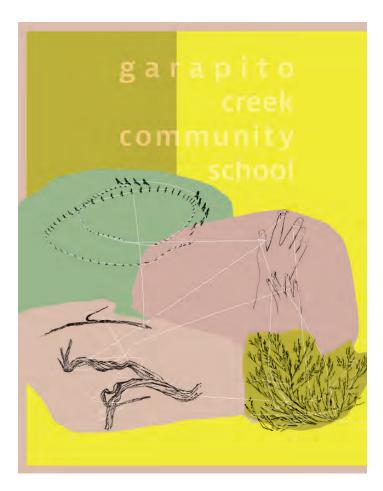
kanchan wali-richardson advised by malkit shoshan

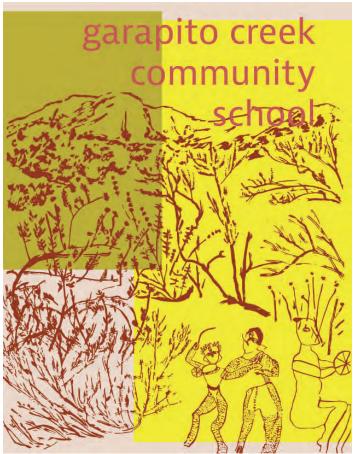
i want to hear you even as extinction tears you away

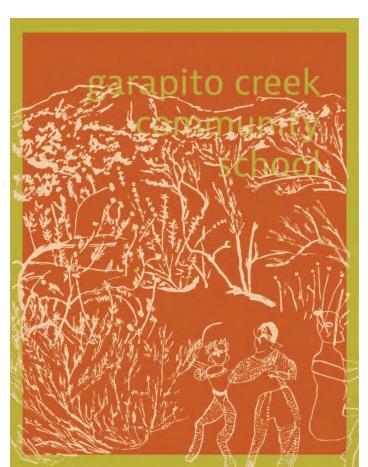


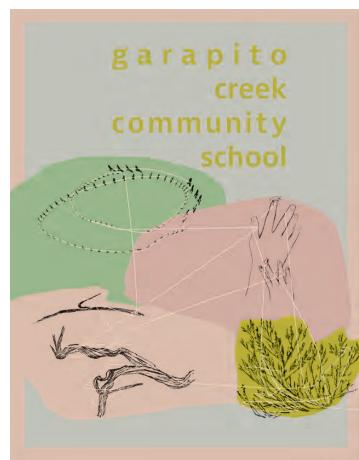
it's the year 2040

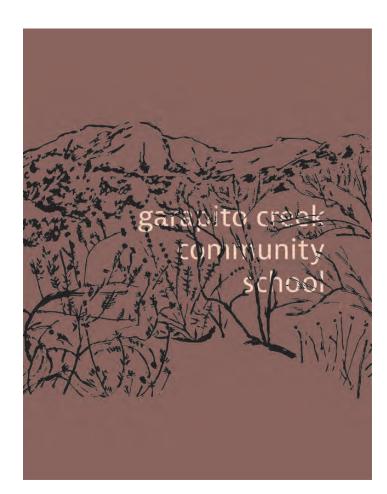
This project is my attempt to grapple with how to live in a time of increasing extinction and loss. How should we go on? Knowing everything we know about how implicated we are in the unraveling of lives?

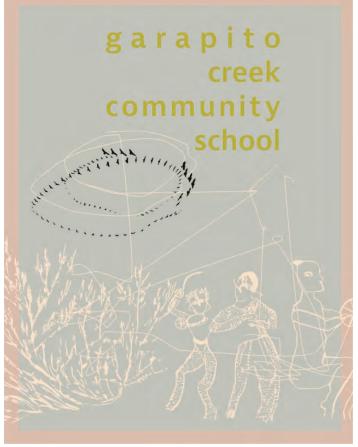












This thesis envisions a social infrastructure to catalyze both spatial and intrapersonal change, grounded where I live, in Topanga Canyon California, peri-urban neighborhood of Los Angeles.

The Garapito Creek Community School is an experimental design-build lab, galvanizing community members as agents of change through radical multispecies politics and interventions that address the needs of the entire community, human and non-human. It is the center of gravity for existential reckoning. It asks, how do we expand what we call community?





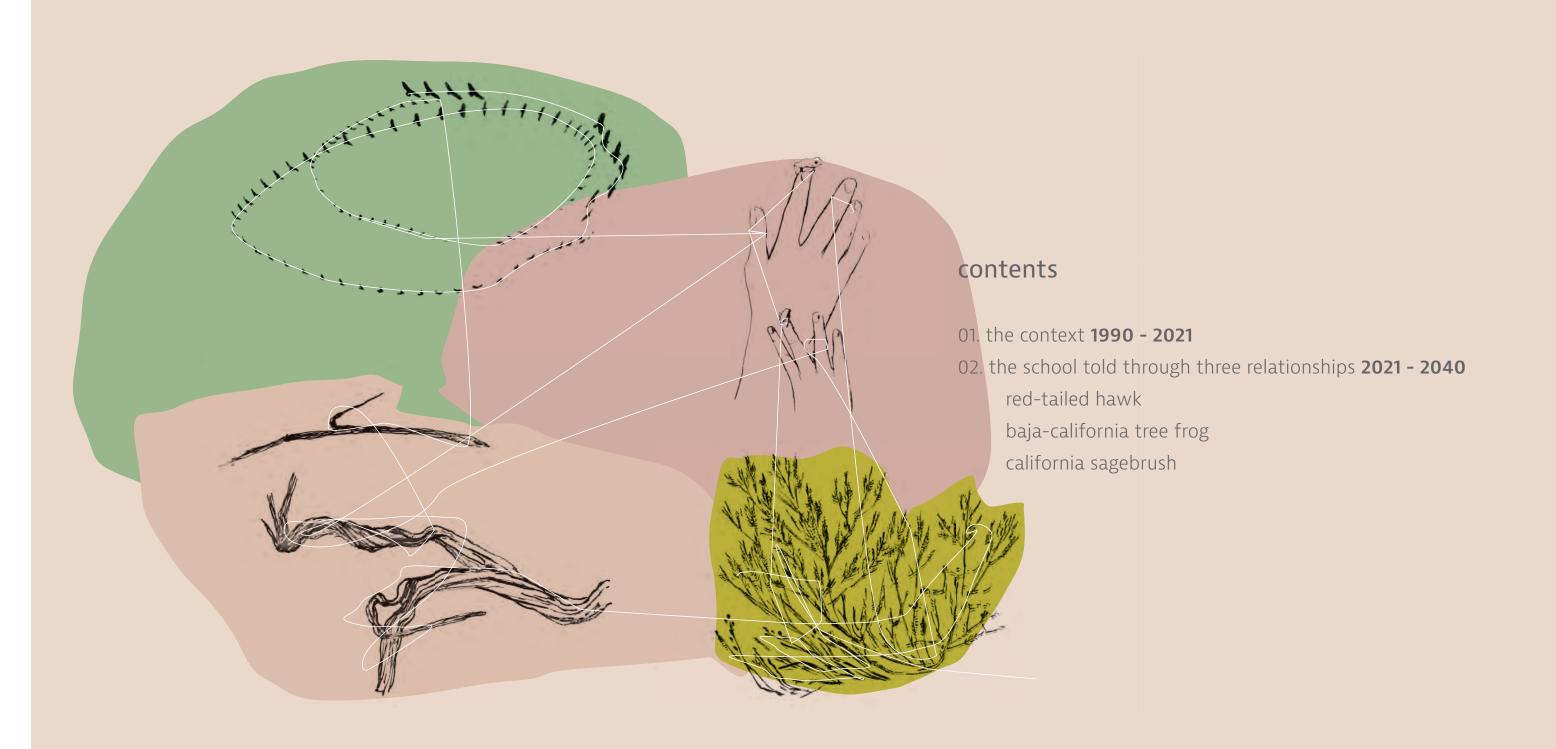


The project, and thus the politics of the school, insist that a design practice in the face of these existential threats must be personal, must be embodied, must honor grief, and must come into being through the rebuilding of deep relationships with others.

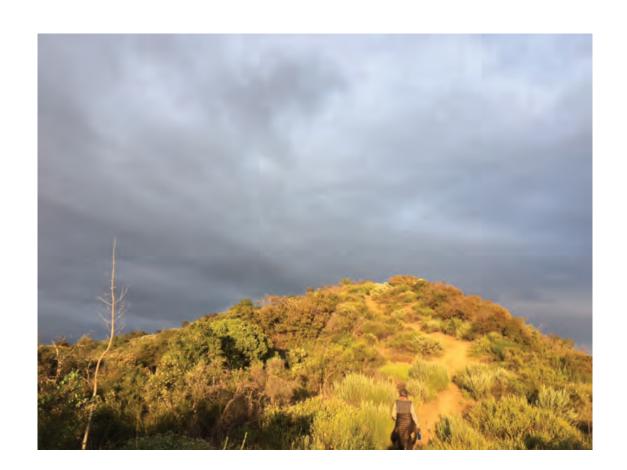












I was born in these mountains. My earliest memories are of the sandstone boulders and the bursting feeling of dried California buckwheat flowers. I remember the summer heat, my mother carrying me surrounded by the sweet smell of mule-fat plants along the creek bed.

The problem is, I don't remember all the butterflies that aren't here anymore. The thousands of them gone now. Or the beetles. Or the songbirds I don't even know the names of. I don't remember the particular wildflowers that no longer bloom, having been out-competed by European grasses. I have no memories of the salamanders you can't find anymore. I can't recall what it feels like to hold a red-legged frog in my little chubby cupped hands.

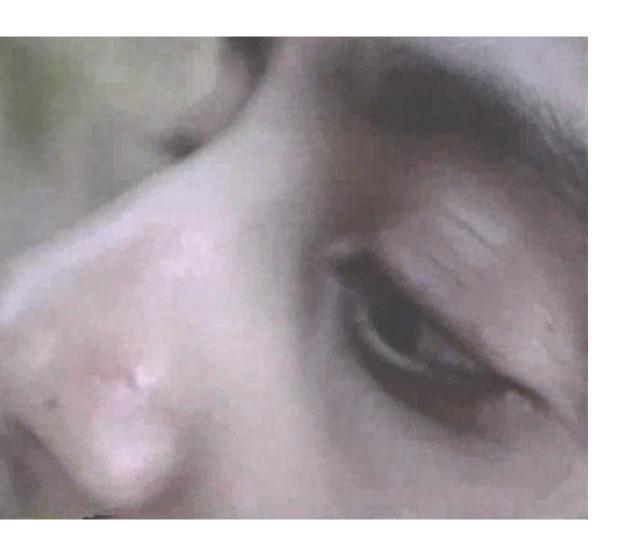
In my years here, how many lives have faded away? Who was already missing by the time I was born?



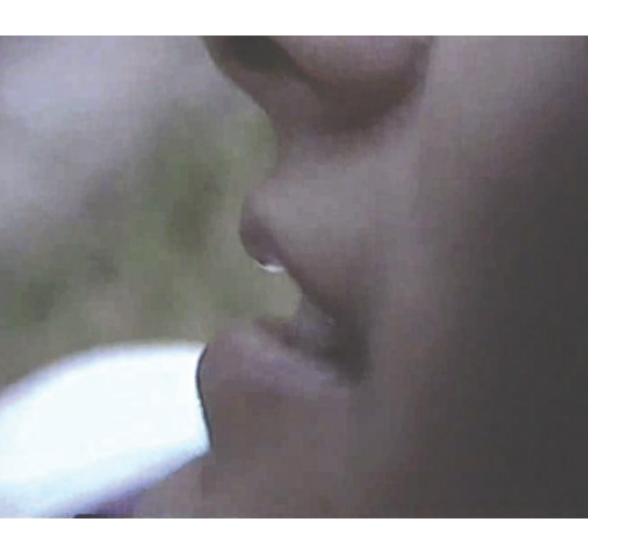
There's a home video that surfaced recently from when I was a baby. My dad is shooting. He's got the camera zoomed in on a massive, hairy, black tarantula. He's screaming and bellowing at my mom to kill it. My mom leans into the frame, holding me, a little chunky dumpling.







She says with a sweet somber voice to my dad,

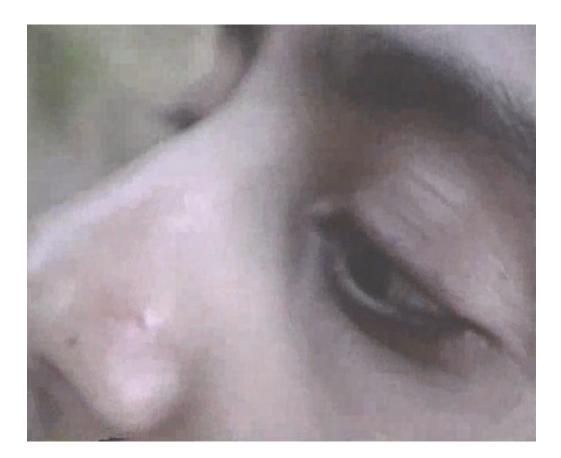


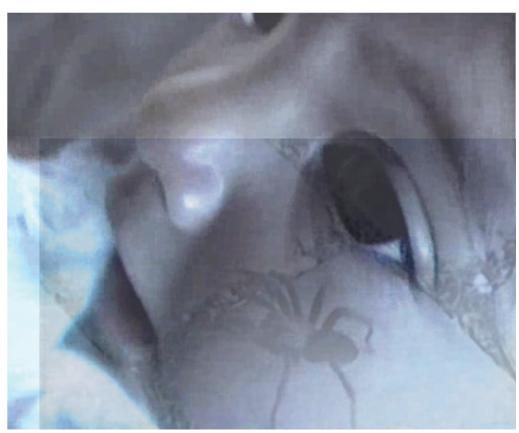
"I don't kill them because they're beautiful living creatures".



When I saw that video, it helped me understand better why I long for the world I long for.









Animal populations worldwide have declined nearly 70% in just 50 years, new report says

BY SOPHIE LEWIS SEPTEMBER 10, 2020 / 9:09 PM / CBS NEWS







Since 1970, 60% of the world's vertebrate animals have been wiped out

South and central America is the worst affected region globally

As a result of the collapse, Indian crocodiles are on the verge of extinction

An 89% total drop - Giant otters and spider monkeys are among the species most affected region globally

An 89% total drop - Giant otters and spider monkeys are among the species most affected region globally

Guardian graphic. Source: Living Planet index, WWF/ZSL. Note: shaded areas show the statistical uncertainty surrounding the trend

"We are rapidly running out of time," said Prof Johan Rockström, a global

Animal populations worldwide have declined nearly 70% in just 50 years. 60% of vertebrates wiped out.

Changing weather cycles. Insect population collapse. Viruses. Pathogens. Indirect habitat loss.

Chaparral and sage scrub habitats are some of the most biodiverse in the world. In California, only 10% of the communities that once spread across the state are left. 90% gone. Unable to survive the desire for prime California real estate.

As designers, we know we are implicated in this. It's this conflict, between the way we live and build, and the decline of the living world, that sets the context for the story of The Garapito Creek Community School.

Humanity has wiped out 60% of animal populations since 1970, report finds

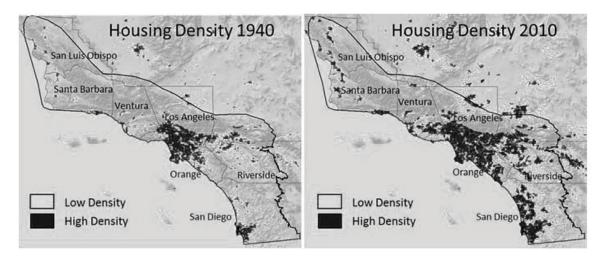
The huge loss is a tragedy in itself but also threatens the survival of civilisation, say the world's leading scientists



As U.N. warns of widespread extinction, California is already losing species



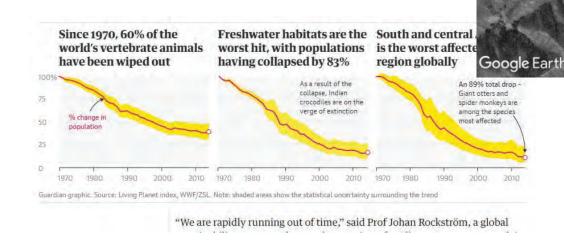
12 Chaparral Landscape Conversion in Southern California



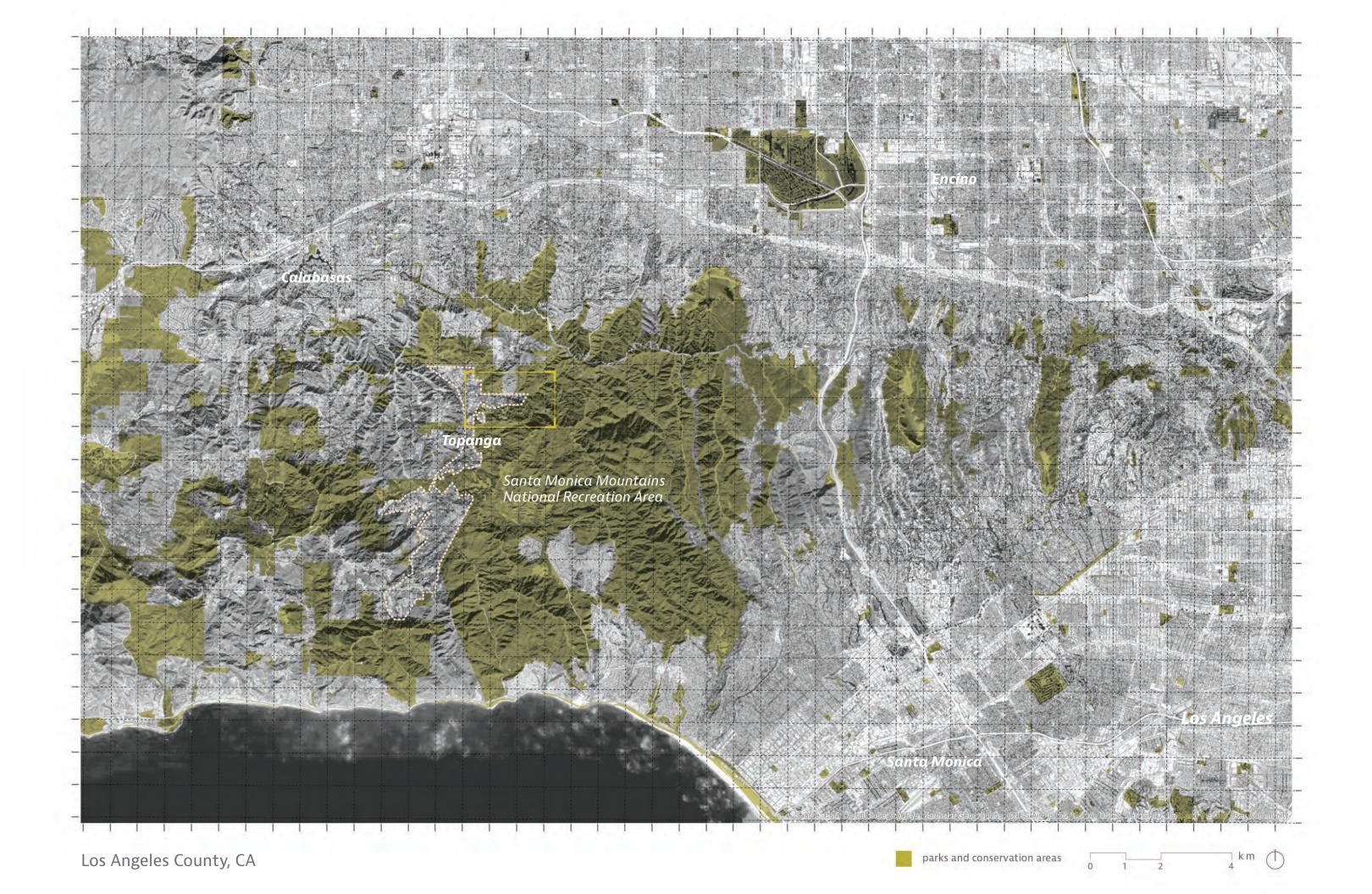
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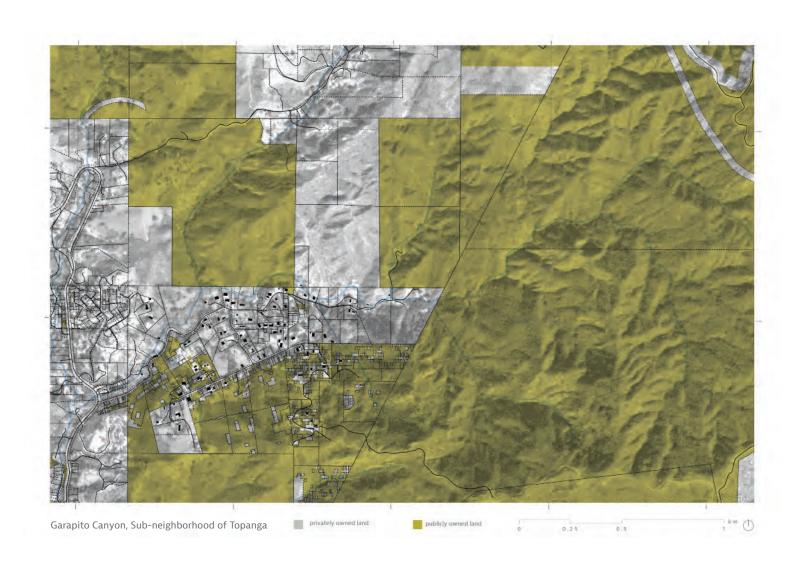
Fig. 12.2 Maps of low and medium-high housing density in 1940 and 2010 in the South Coast Ecoregion of southern California

12.2.3 Indirect Habitat Loss and Conversion



CORONAVIRUS, VACCINES AND PANDEMIC Zoos, scientists aim to curb people giving viru long overdue exhale at Disney California





The neighborhood of Topanga, within which our community is located, is at the edge of the largest urban national park in the US, the Santa Monica Mountains Recreation Area.

It's a community up in the mountains, on the unceded land of chumash and tongva people. It's an unincorporated town, part of Los Angeles county. Though down the road from many estates and subdivisions, the neighborhood is peri-urban in form, numbering only around 200 people. It's a patchwork of communal and nuclear housing forms. Mixed incomes, often rough and DIY. It's has attracted people who wanted to live differently with a history of experiments in counter cultural projects.























The school began at this moment perhaps, dropping a note in my neighbors Ben and Karinay's smiling pink mailbox.









Followed by more notes, and more conversations with neighbors, asking, how should we live knowing everything we know?

One particularly catalyzing conversation early on was with Deena Metzger, a longtime resident here who is an author and healer. In 2019 she wrote,





"The only healing for extinction illness is to change our lives to stop extinction"

"How shall we live?"

Deena Metzger, Extinction Illness, 2019

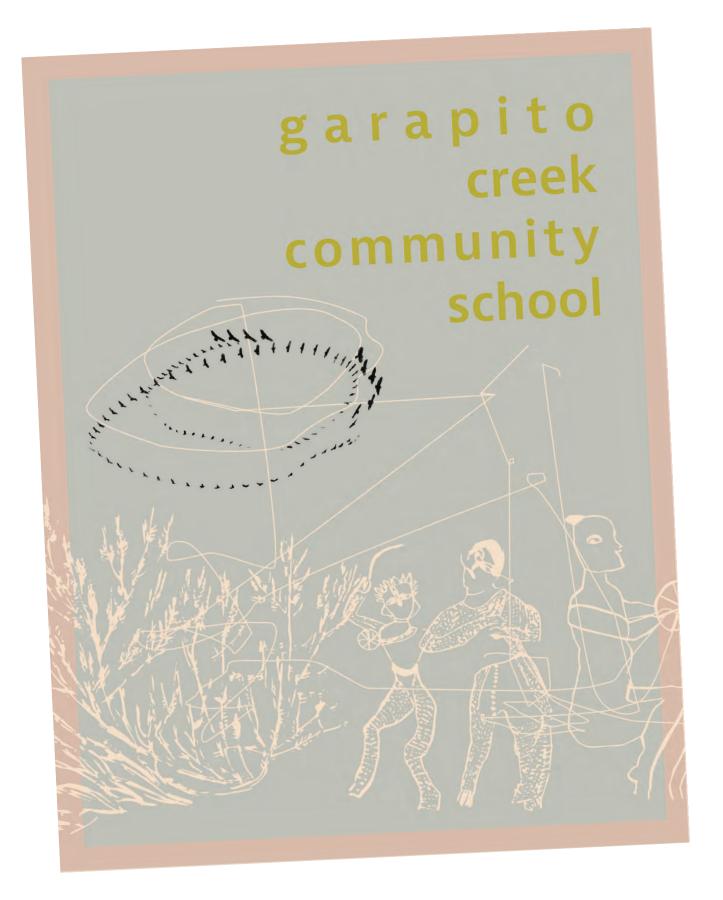


There was a mounting sense of urgency.

But who has the time? Who has the energy to make radical change? Life is hard enough...

That's how the school came into being. As the center of gravity for adaptation. A way to share, exchange, test and grow applied knowledge.

Key precedents included:





OUR WORK

Rural Studio philosophy suggests that everyone, both rich and poor, deserves the benefit of good design. The students work within our community to clarify problems, define solutions, design, fundraise, and, ultimately, build remarkable projects. Our research addresses rural communities holistically: from houses to infrastructure and resources, always mindful of the connectedness of the many facets of rural life.

MORE →

Rural Studio, Auburn University School of Architecture design-build program

The Community of Praxis of the Amsterdam Zuidoost Food Forest | Radical Observation

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01. c. Radical Observation

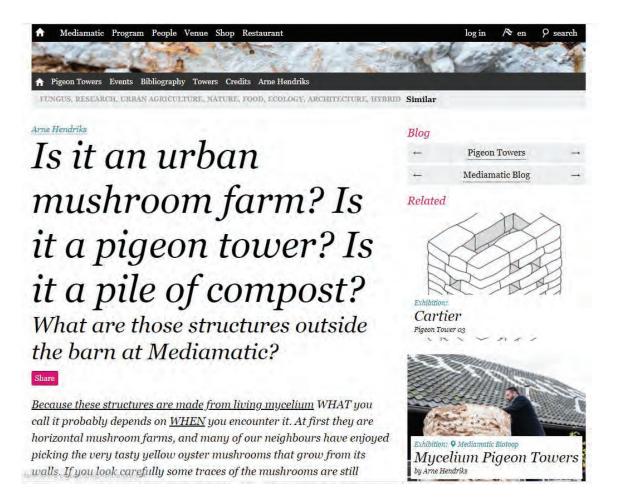
The practice: Radical Observation is a methodology that provides a practition-er-developed framework for understanding human interaction with the natural world. Practioners are guided through situated postures of awareness that focus attention on specific natural dynamics in order to understand, design and/or maintain a land-scape or ecosystem. Radical Observation is practiced by the VBAZO-CoP from 2018 until present.



Debra Solomon | PhD candidate UvA Urban Planning | The Amsterdam Zuidoost Food Forest | Harvard GSD | Feb 17 2021 |

The Amsterdam Zuidoost Food Forest, Community of Practice

Debra Solomon



Mediamatic Art Center, Amsterdam

garapito creek community school precedents

' <u>Medium Design: Knowing How to Work on the World</u> considers the potentials of mutualism as embodied in spatial arrangements. Focusing not only on objects in urban space but also the matrix of relationships that connects them."
"In Medium Design, designing is not solving but further entangling."
"To borrow from Isabel Stengers, how do you convert capital's "chains of dependence" back to "relationships of interdependence?""
Reading Mutualism: A Contemplation after Medium Design, Keller Easterling, 2021

"What settler colonialism, and its extensions into contemporary petrocapitalism does is a severing of relations. It is a severing of relations between humans and the soil, between plants and animals, between minerals and our bones. This is the logic of the Anthropocene."
On the Importance of Date, or Decolonizing the Anthropocene, Heather Davis and Zoe Todd, 2017
garapito creek community school precedents



The Garapito Creek Community School is an evolving attempt at a social infrastructure to rebuild relationships on multiple levels. To further entangle.

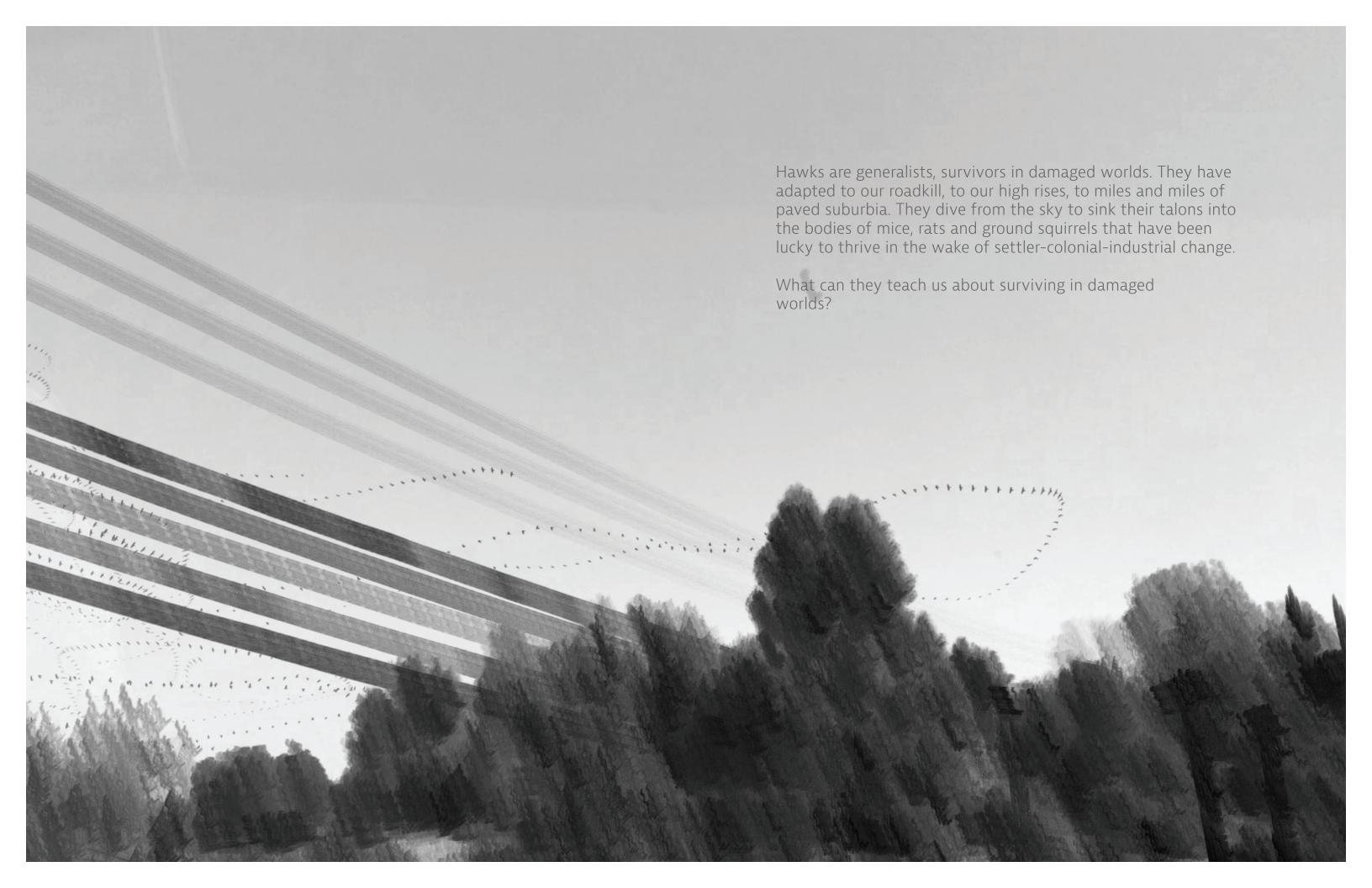
To do so, the work of the school expands both inward, and outward from more traditional design-build models. We spend as much time asking, how are we listening? What inner work is needed in each of us to make shifts? As we do designing, building and of course, evolving practices of care and mutualism that can sustain deep long term relationships with the land and species that need particular support.

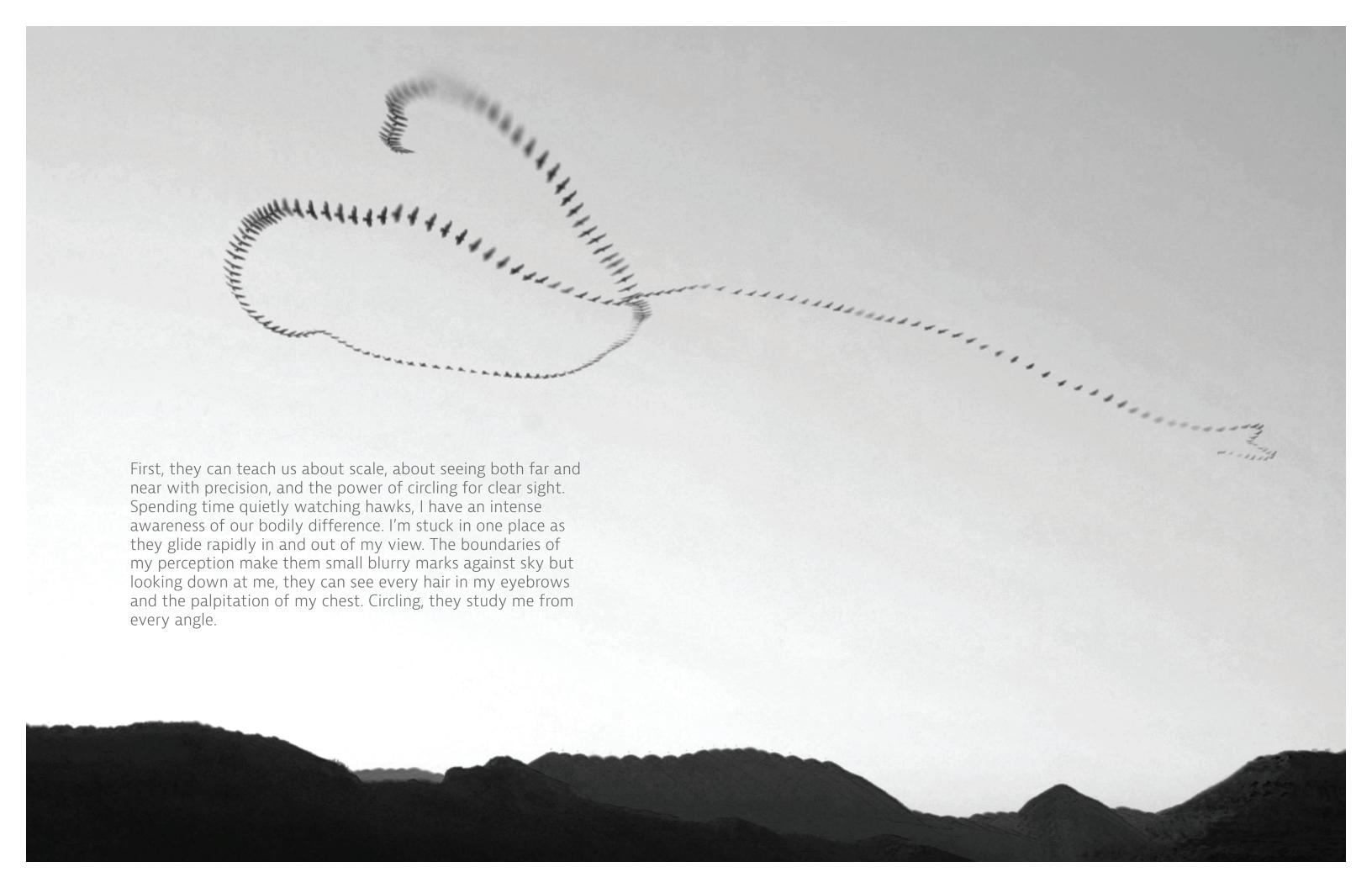


the structure of the school, told through my relationship with

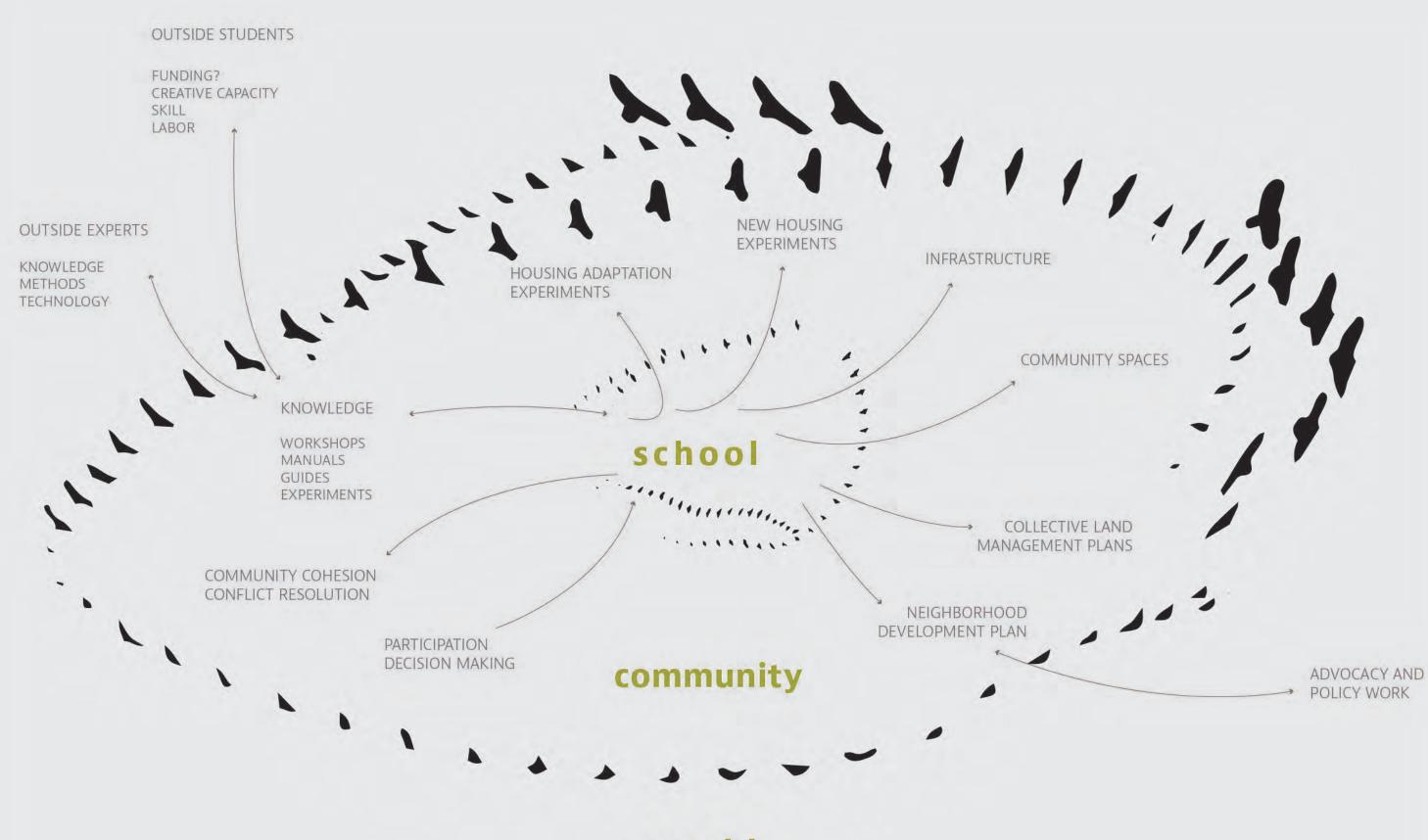
red-tailed hawks











world



The school is a combination of a design-build program model and an education oriented community center. Small cohorts of design students are invited into the neighborhood as well as visiting designers as instructors. Those programs are woven with short workshops geared towards community members. All projects are opportunities for learning, testing, and sharing, and take place within the community: taking the form of constructed adaptations to peoples homes and properties, new affordable experimental housing, projects specifically to address the needs of other species, and community spaces.

Thus, the school brings in the energy of outside experts and outside students and gathers and grows the lived knowledge of community members.

At the largest scale, we coordinate advocacy efforts like changing the neighborhood plan and patterns of development. Putting limits on new construction square footage. Incentivizing affordable housing. Allowing for experimental building under a new code similar to the class K code for owner-built rural dwellings in northern California that allows far greater permitting flexibility for experimental building methods.

At the medium scale, the new housing and existing housing adaptation experiments address water care, soil care, following the source of materials of construction, building habitat into the walls and micro-climates made by the structure, and inventing forms that support how we relate and communicate with other species.

At the smallest scale, we work on being attentive to the quality of perception in a single moment. Attentive to the difference between the gush of wind under the wings of a crow, vs a vulture, vs a falcon, vs a redtail.

undesign listen community water workshops council affordable housing program awareness practices interspecies listening interspecies communications consensus building workshops nested habitats/ habitations marking loss relationship infrastructure

unbuild

sustain

material construction lab

material cycling, deconstruction methods lab

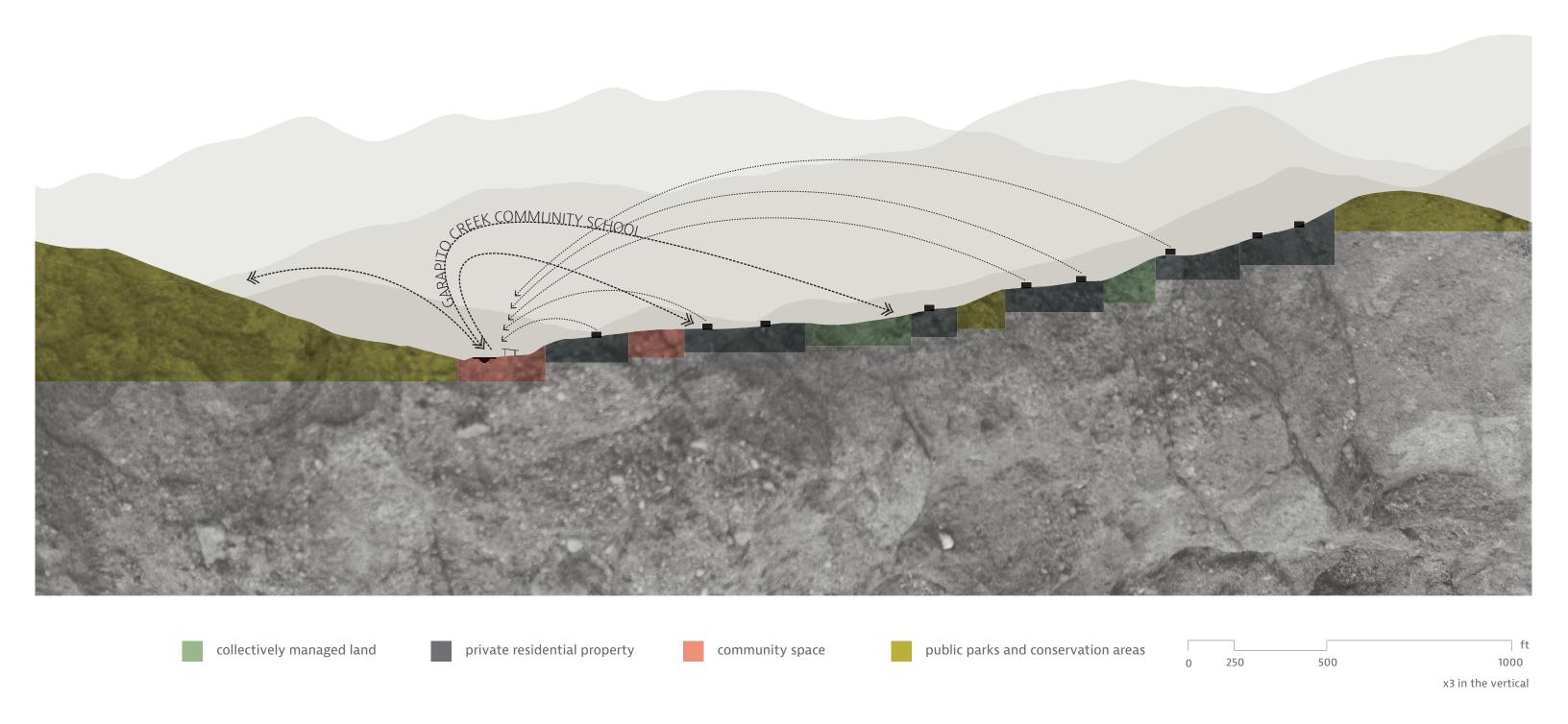
communal land working group

regenerative arid agriculture working group

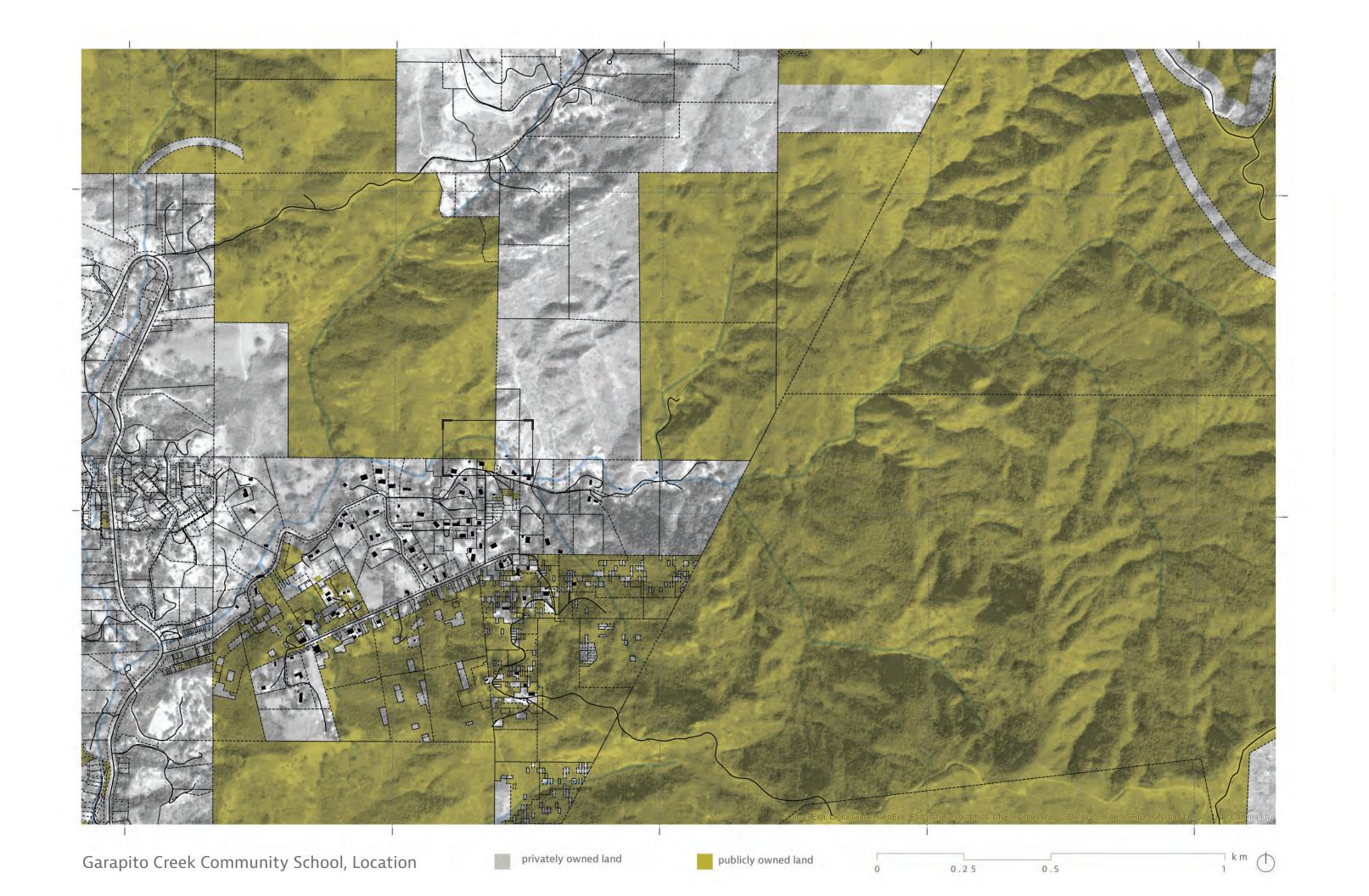
landscape labor program

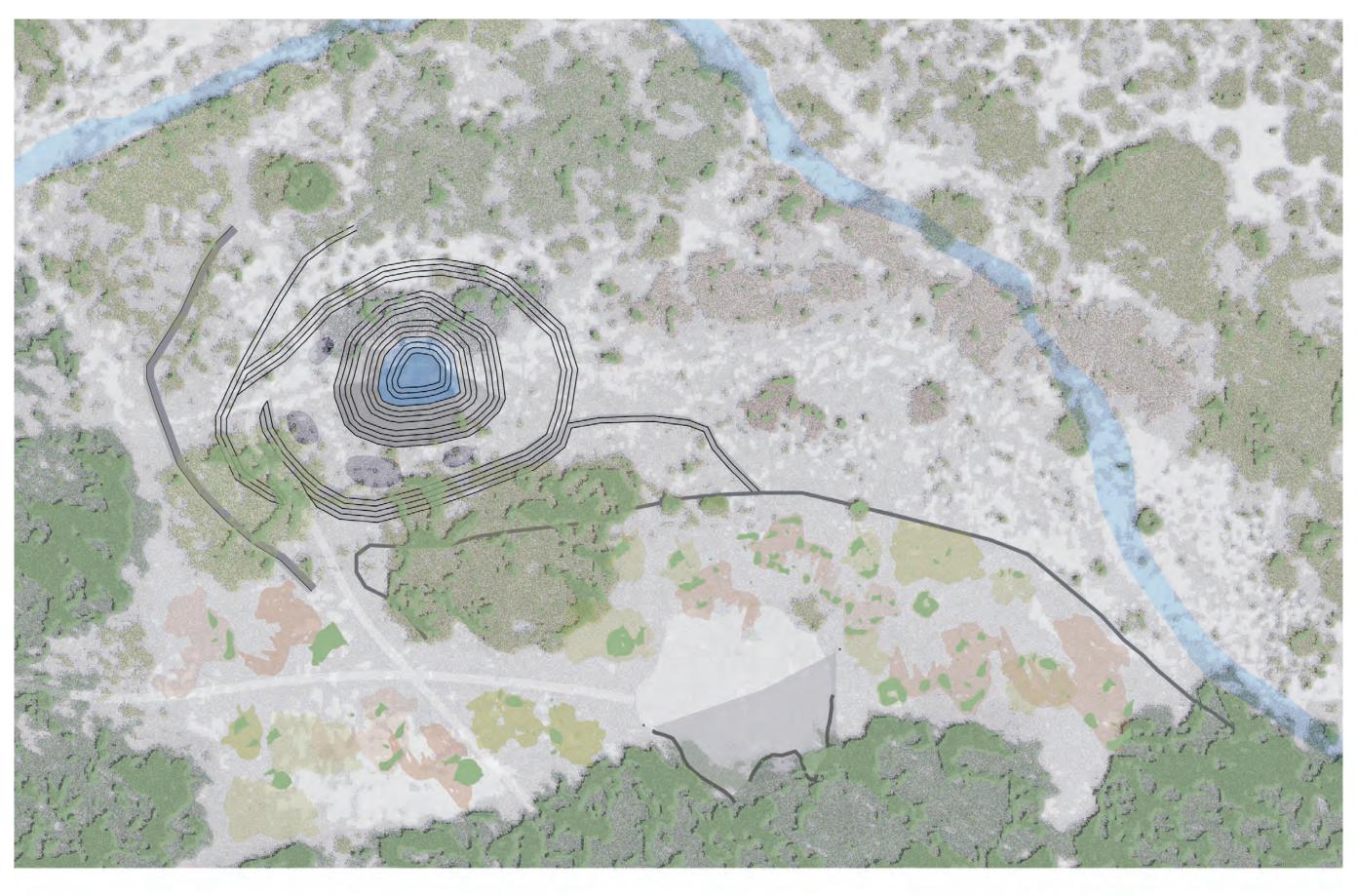
community/ public land management planing and testing

garapito creek community school programs



Spatially, this plays out as a continuous, flexible gathering at the central community space and school workspace, and the implementation of tests, projects and practices throughout the neighborhood.

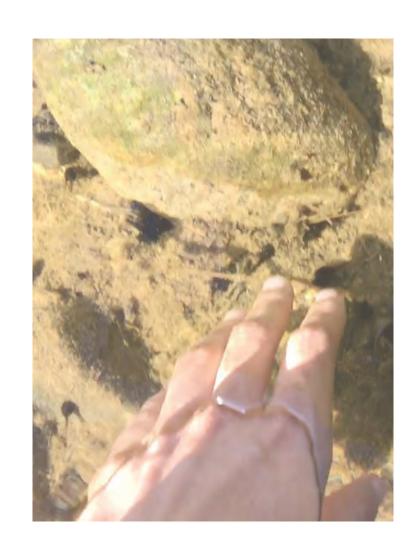






the school gathering space, told through my relationship with

baja-california tree frogs







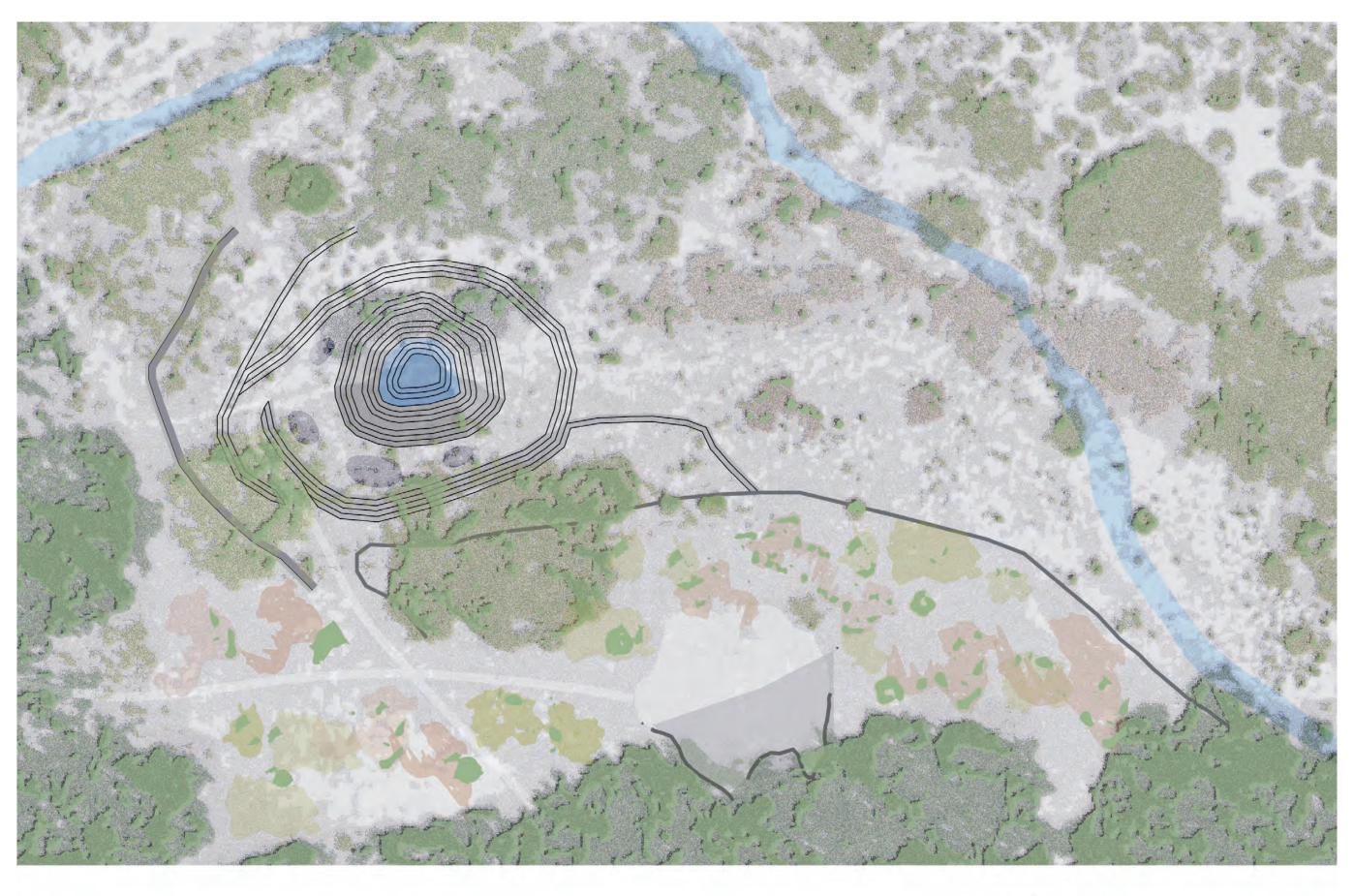


Treefrogs actually don't live in the trees here. They live along the riparian buffer during the long dry season, using the cool burrows of other creatures as shelter. Then the precious rains come. Winter rainstorms that make the whole canyon instantly neon green. All night froggy chirping choruses. Strings of thousands of eggs, and then the squirming tadpoles in the creek.

In India, where my mother is from, water is often revered as sacred. She was born on the banks of the Ganges river, who is understood as a living goddess. To create a multispecies future here in an arid land of rapidly increasing drought and water scarcity, the loving design of water's presence is essential, and the frogs are the ones that help guide the way. The frogs are indicator species, absorbing pollution through their skin, the first to suffer deaths when the respect for water is abused. My relationship with them brings a heightened sensitivity to choices made around water – where and how is it held, released, cleansed, and saturated.

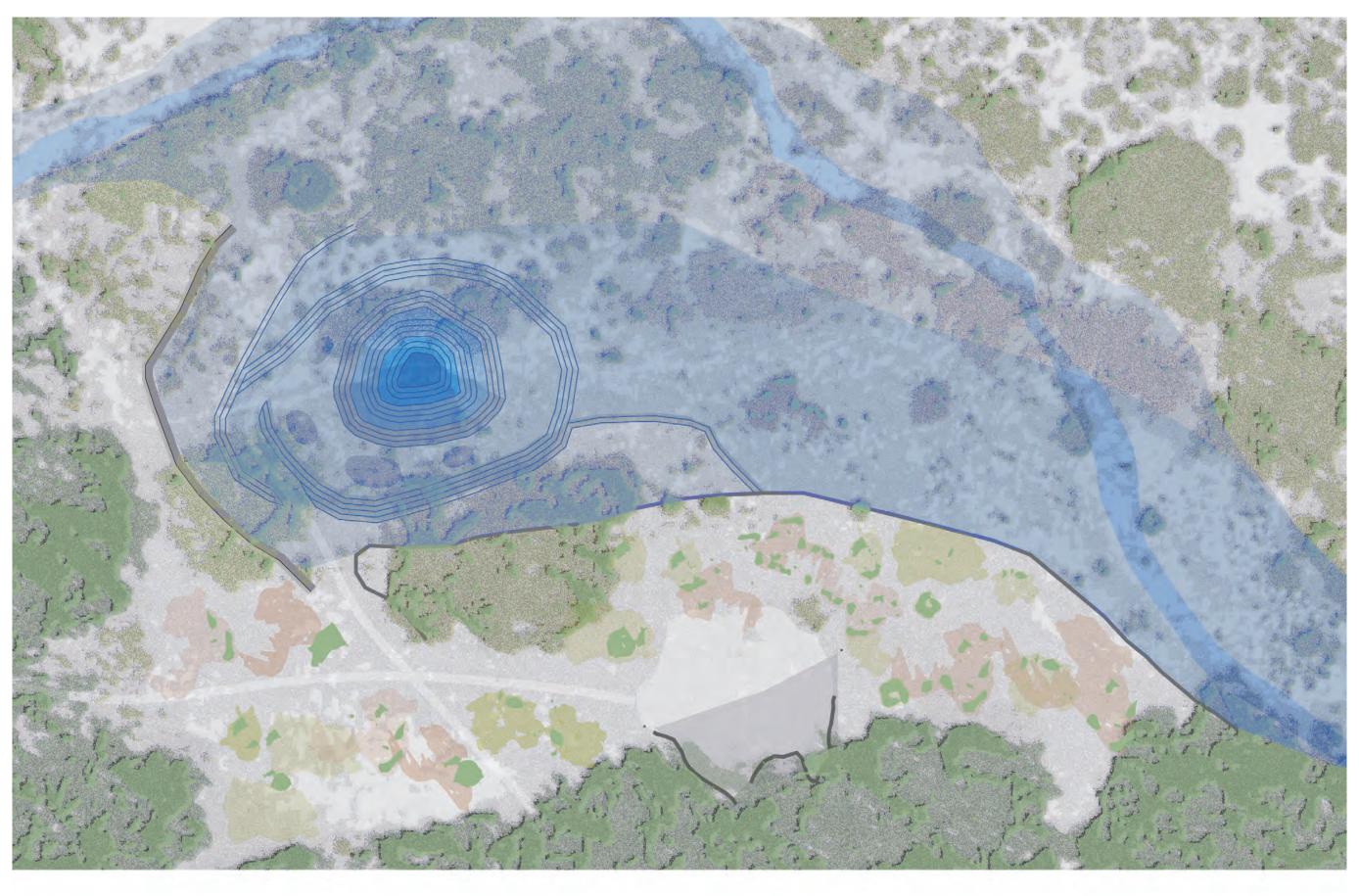




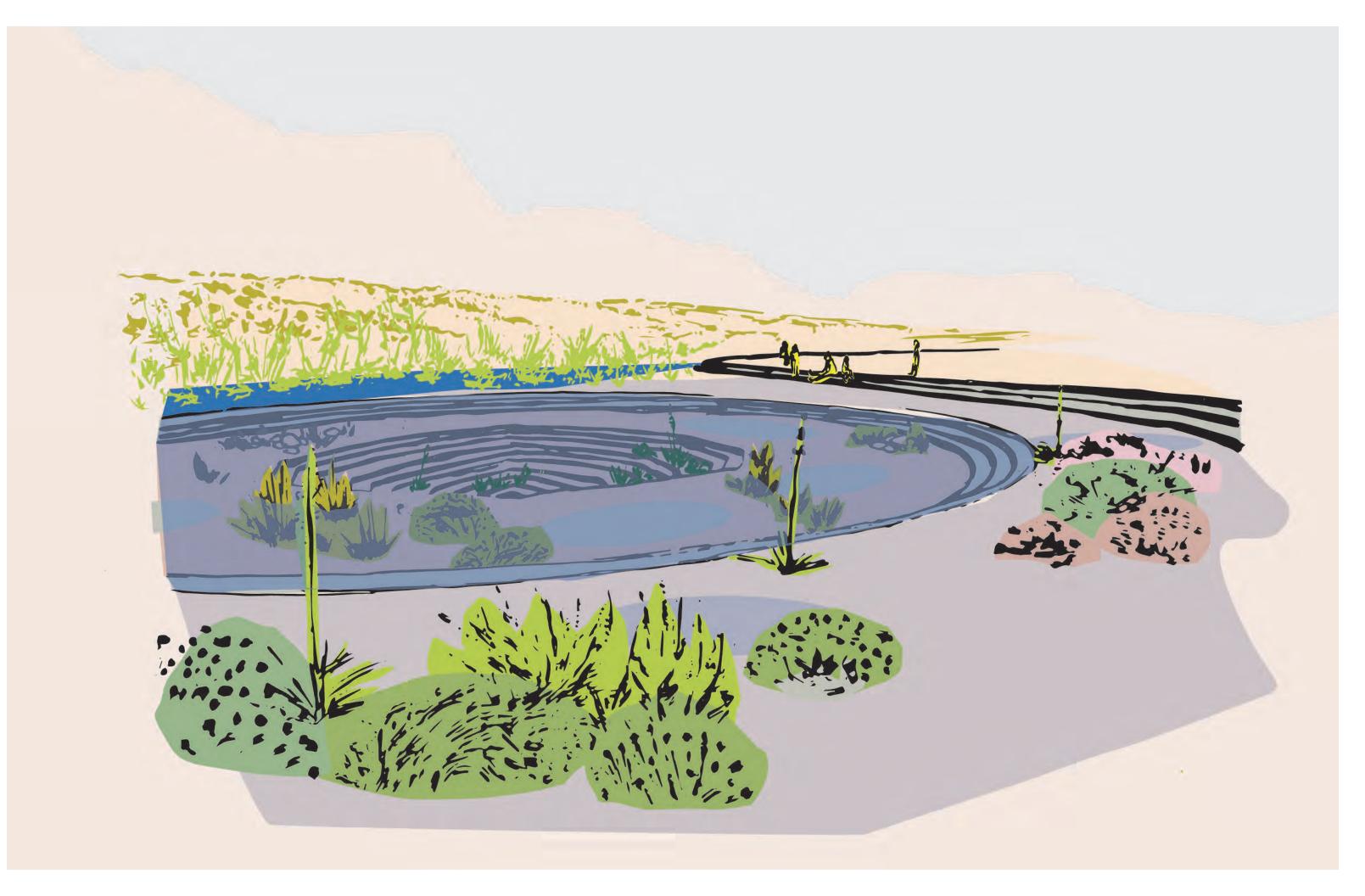


This space, the space that gathers our activities, centers us around water.

0 10 20 40 ft



During the more and more unpredictable winter rains, it floods and collects.



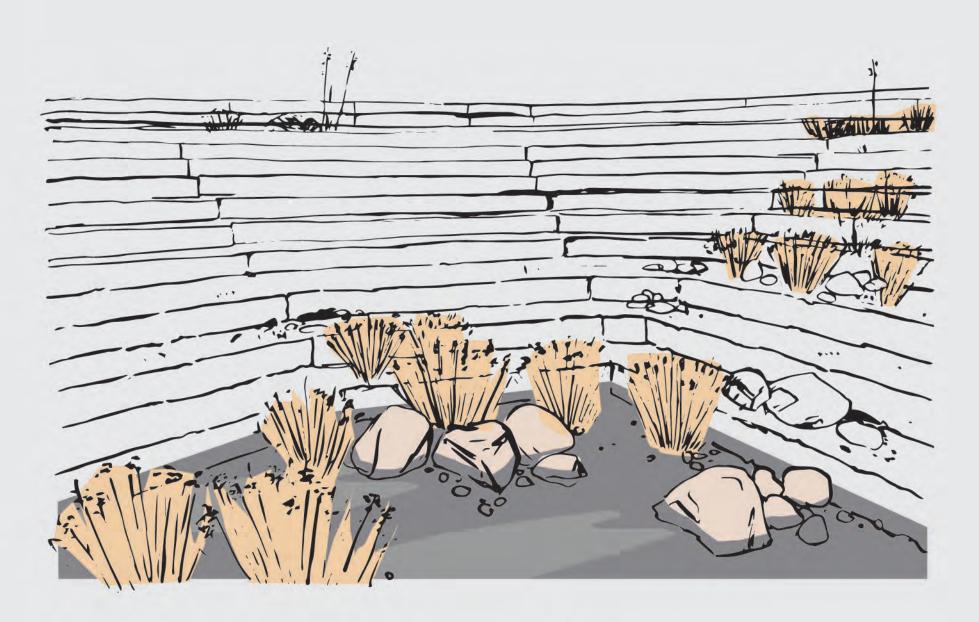
In spring, as the wildflowers are blooming, the step-well transforms into a community bath space. Baths that only fill when there is enough rain. A brief moment. A place to celebrate the precious arrival of water.

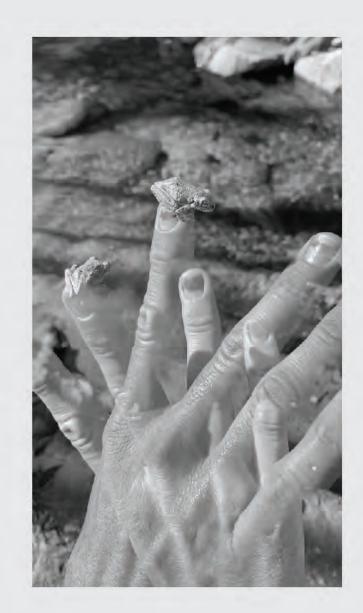




Embodied, heightened sensory attunement and pleasure.

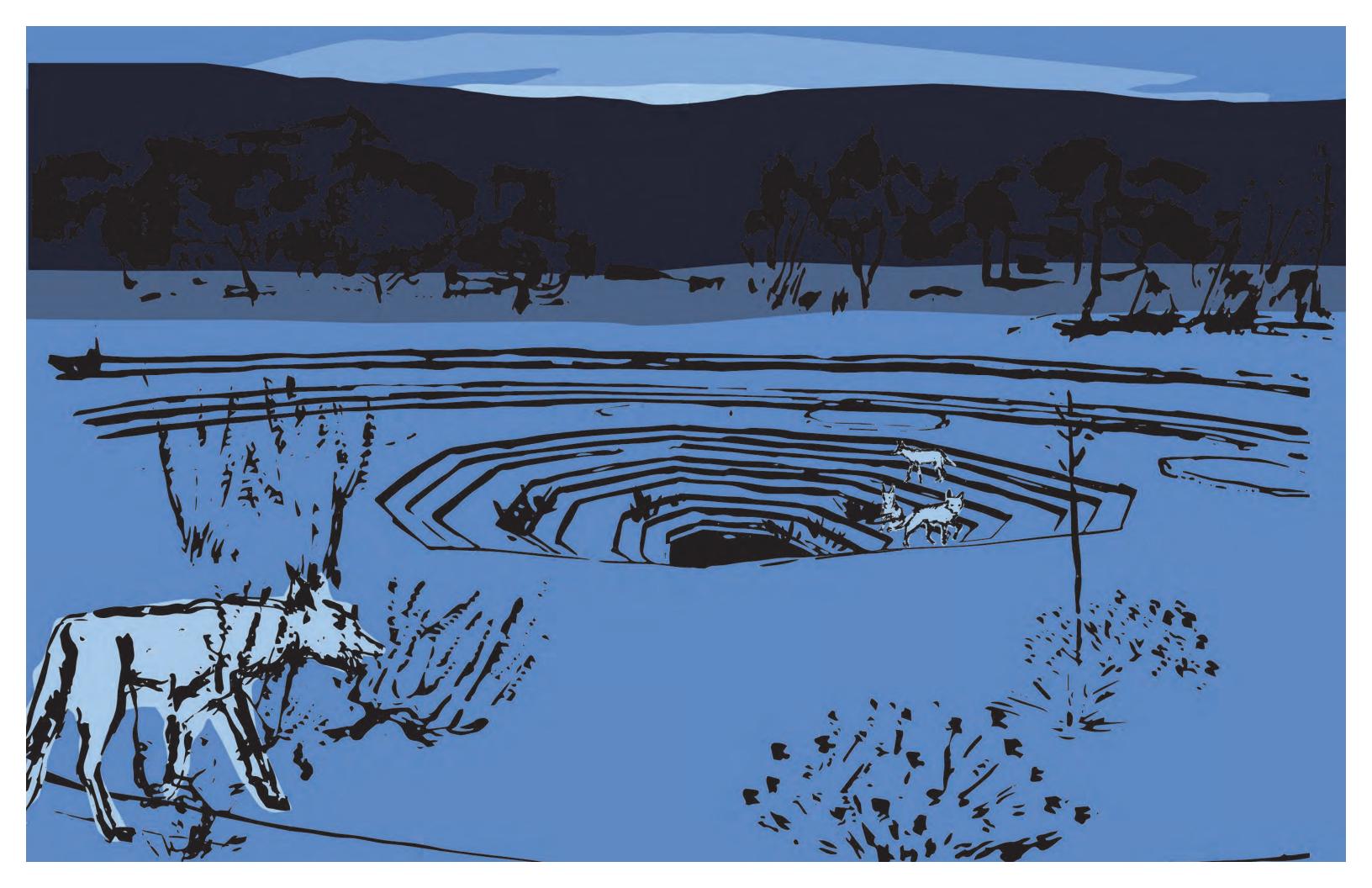
Tying us to the vulnerable bodies of frogs. Whose habitat we care for as the water level in the central step well rises and falls. This space is an offering to them, helping guard them against the severity of increasing drought lengths.

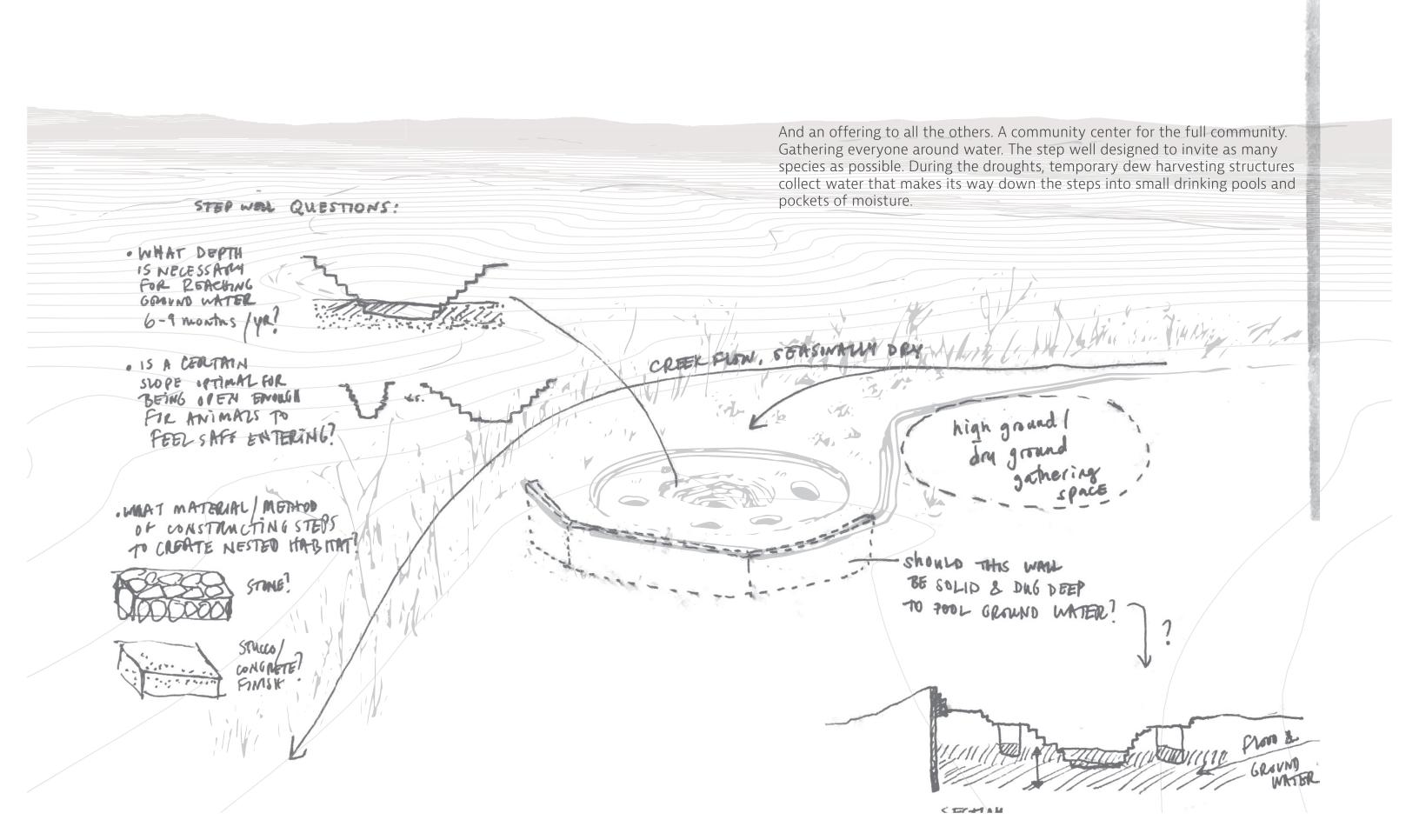


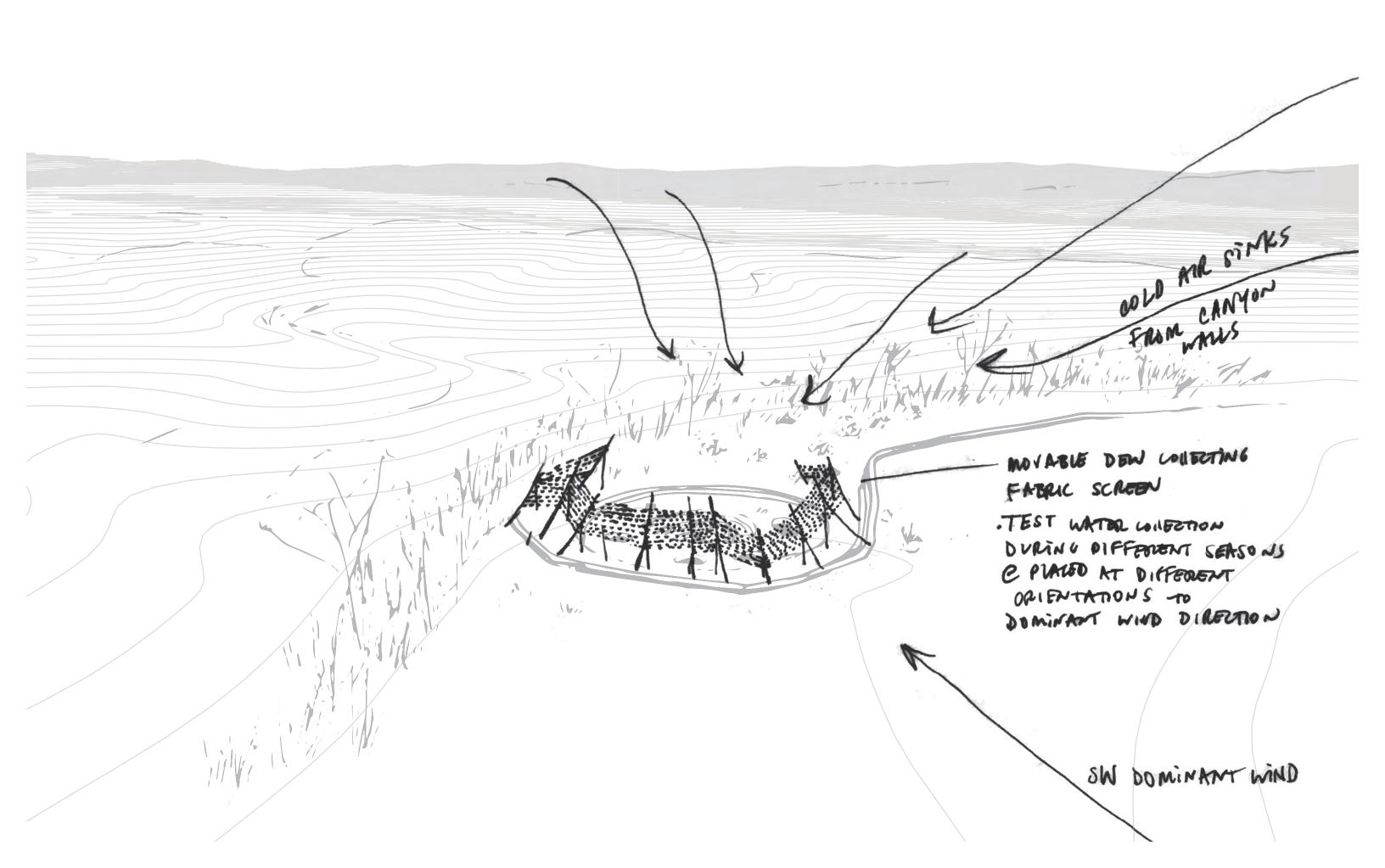








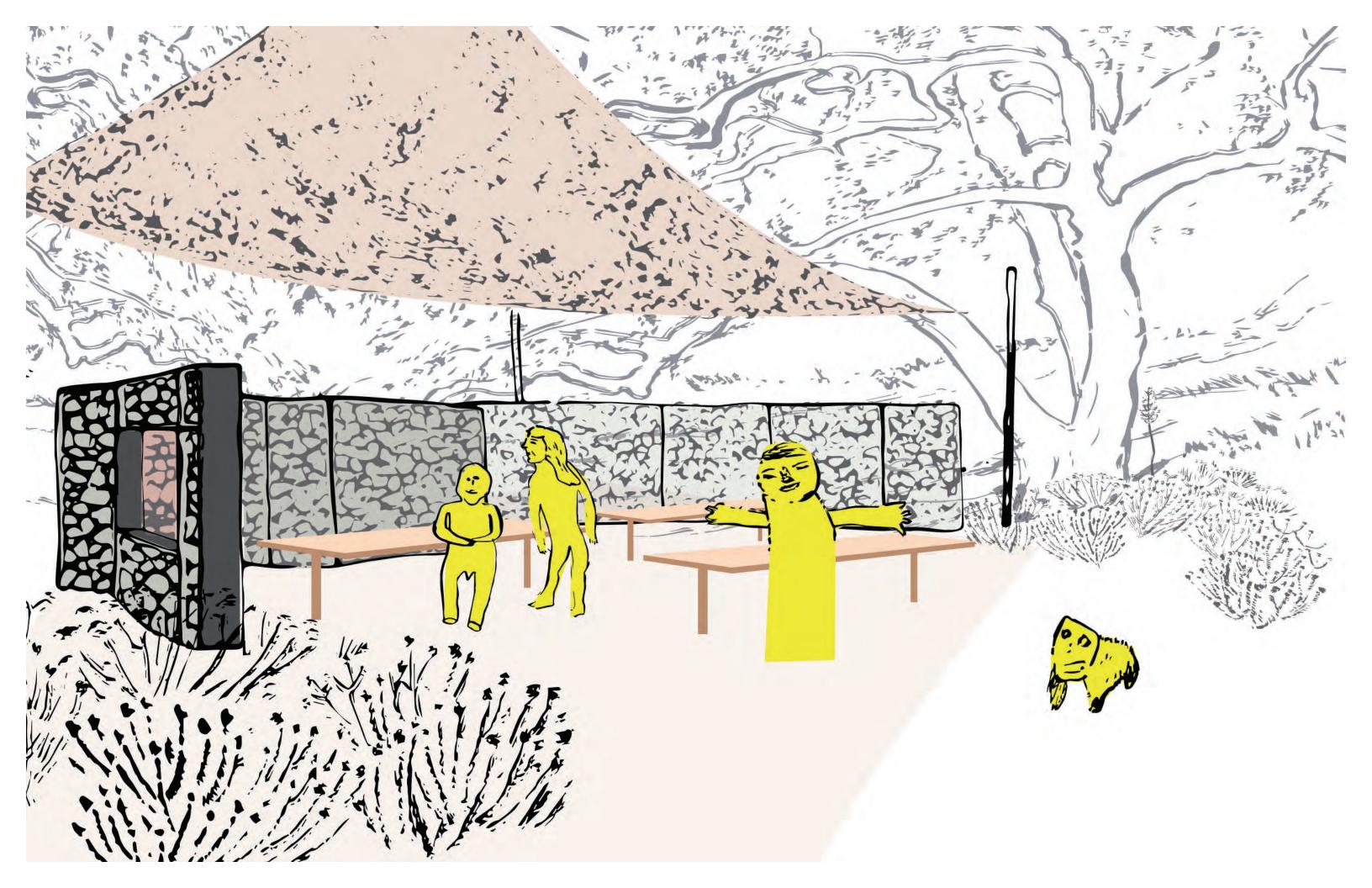


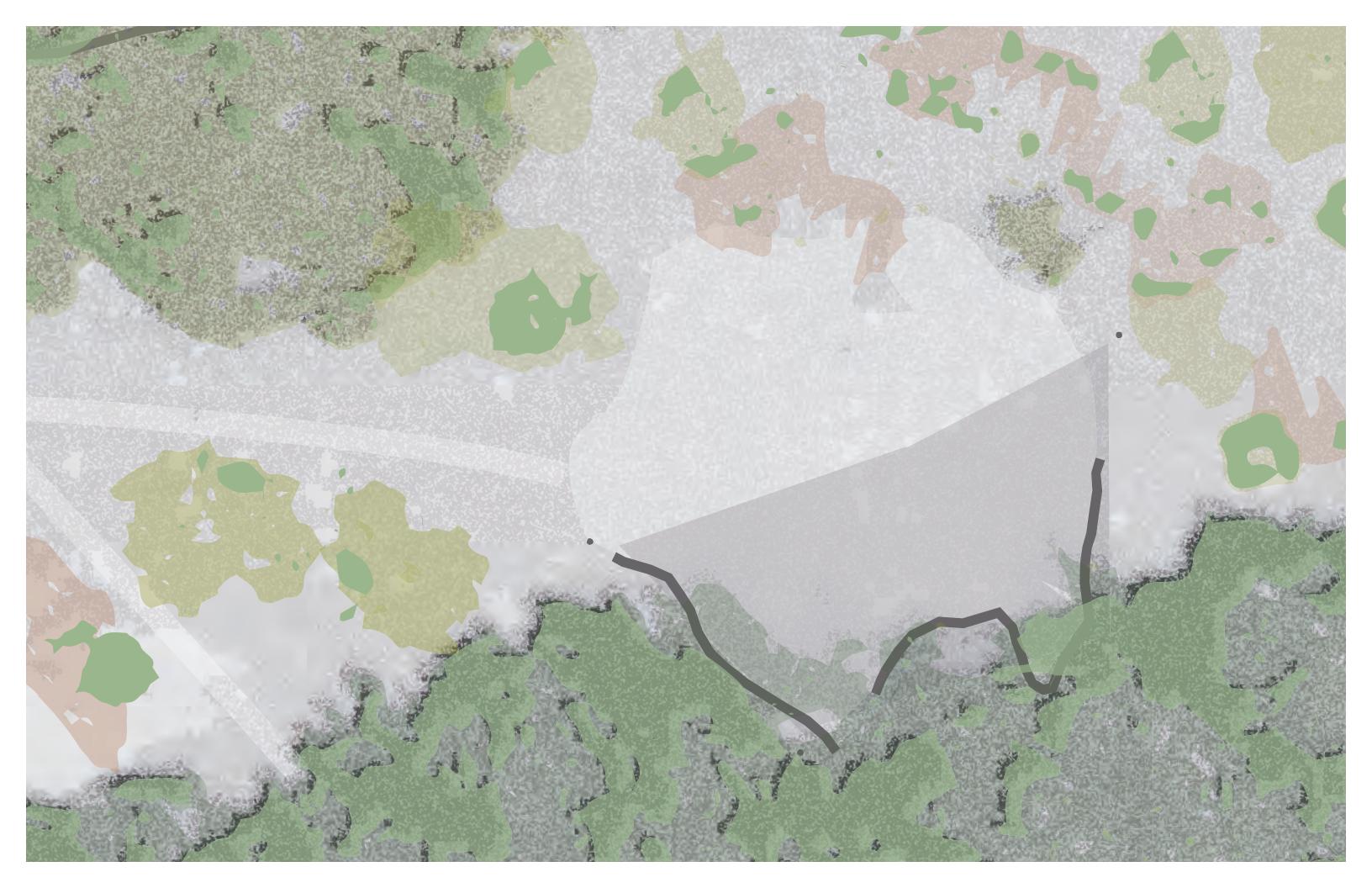


In the dry season, the baths are covered and return to working and gathering surfaces.

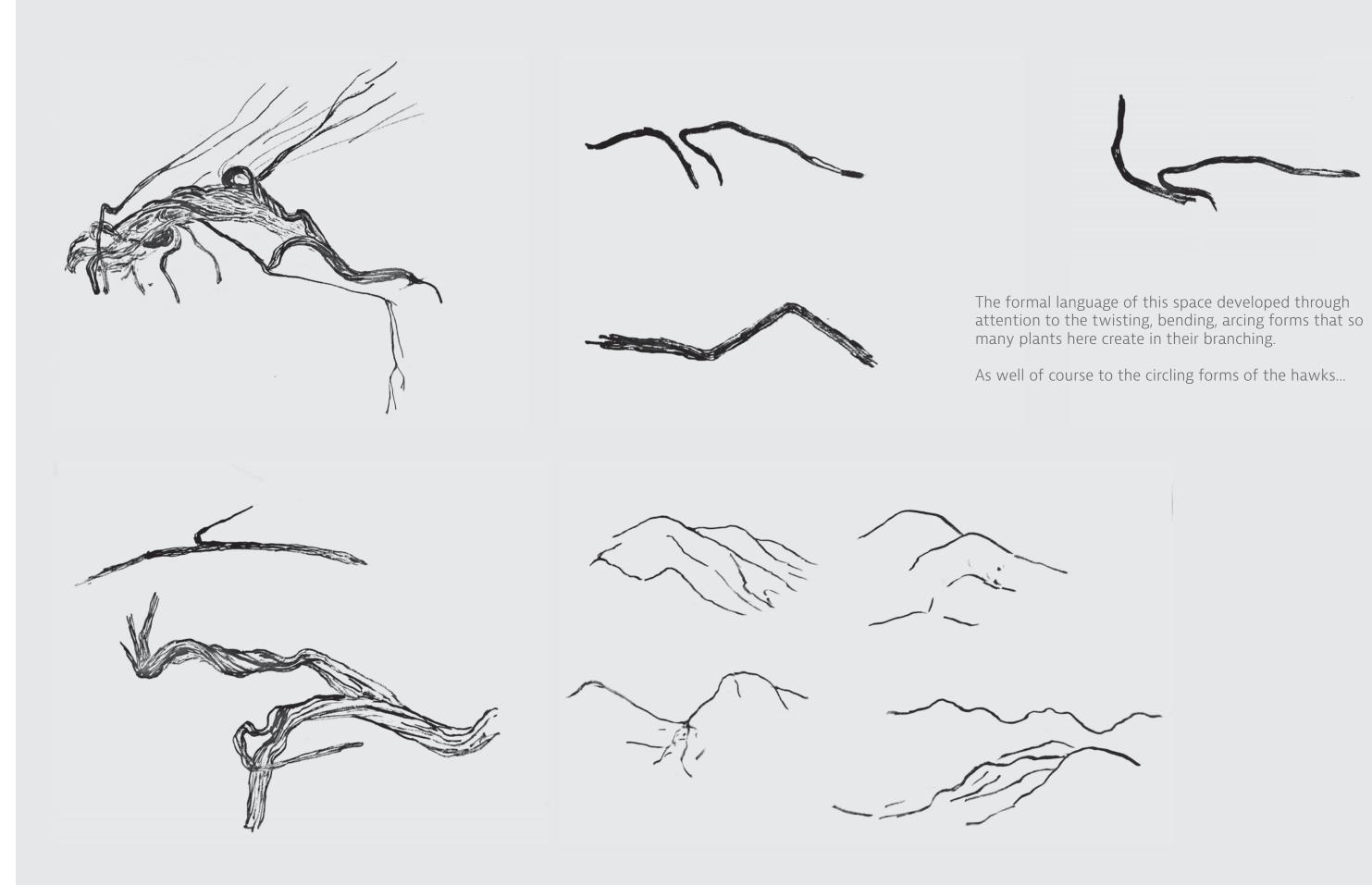


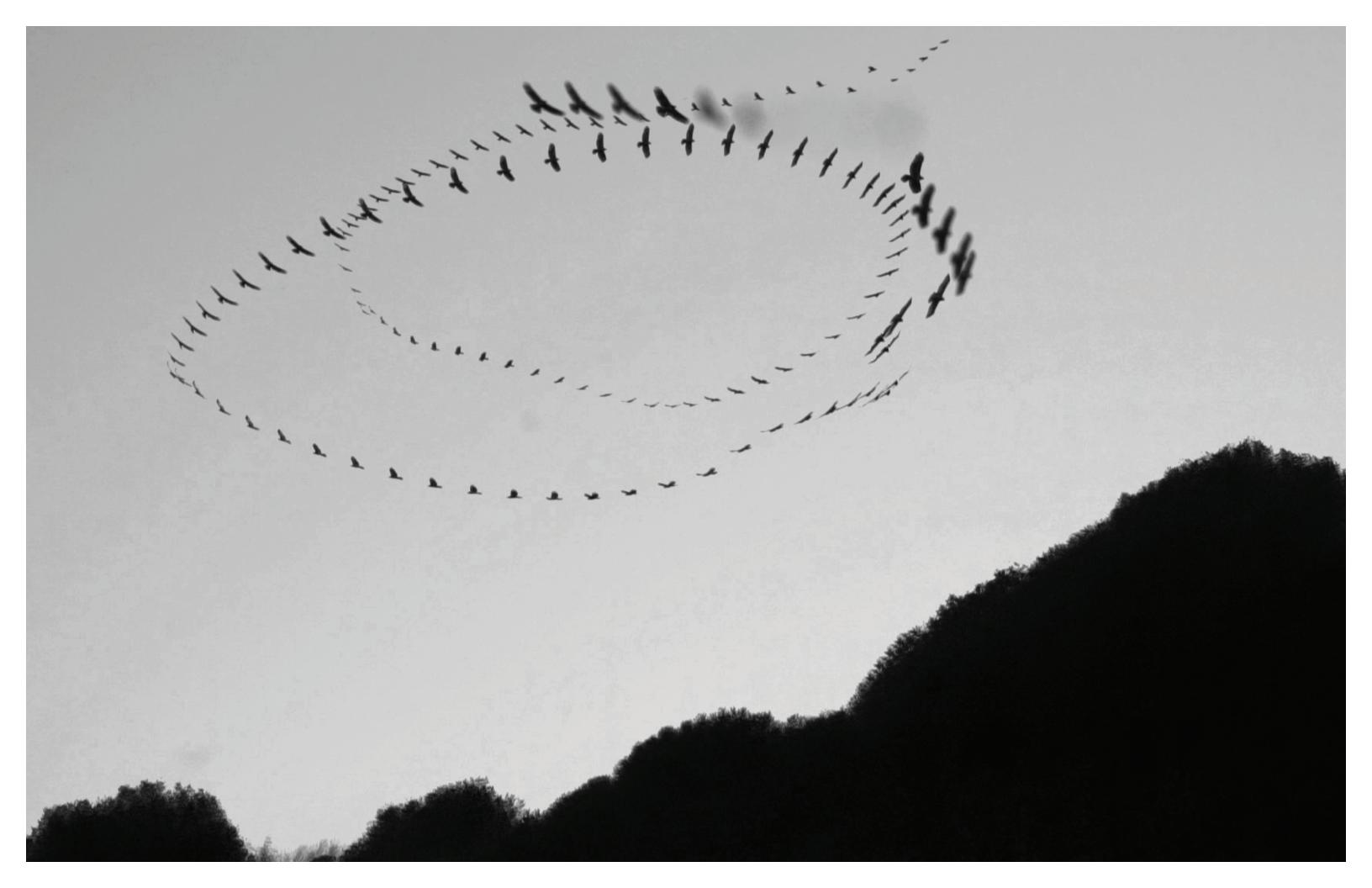












If my relationship with the frogs has been about the hope embodied in centering care for the most vulnerable, I have to return now to my relationship with hawks to talk about how this space supports us in honoring grief and loss.



When I was 17, I was woken from sleep by a violent crash. I jumped out of bed and ran to the living room. The window was smashed through. A massive shadow was throwing itself against the wall. A redtail hawk. Desperate and stunned.







When deaths loom in my family, the hawks arrive. That's what my father believes, and he has many stories to tell. Stories of being visited by the dead and dying, hawks landing outside his windows, quietly carrying their messages. That time, it was my grandmother Berry, my father's mother, who just passed away.

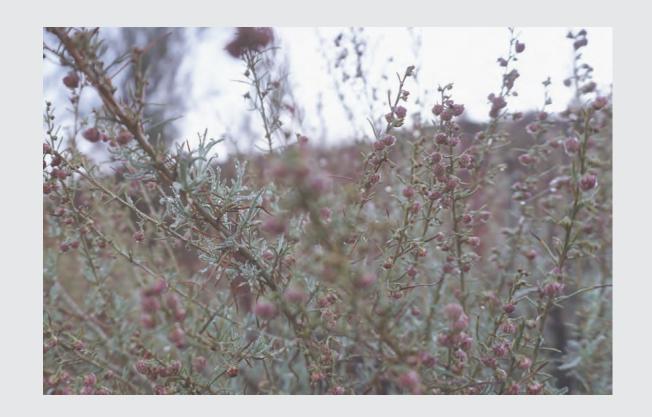
I bundled the bird in a blanket and carried us outside. Unwrapped, the hawk carefully turned to look at me, it's wings fully extended in a dappled massive array. We were silent like that for thirty minutes. A few feet apart. In the dark. Staring at each other, not looking away.

What spaces do we have in this society to gather and mourn?





Though this is a space that honors life though honoring water, it is also critically a space to sit quietly with death, loss, and the messages of those who are gone or are disappearing.



the land care collective, told through my relationship with

california sagebrush



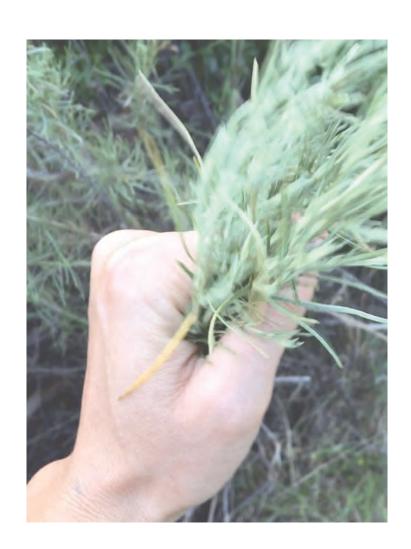


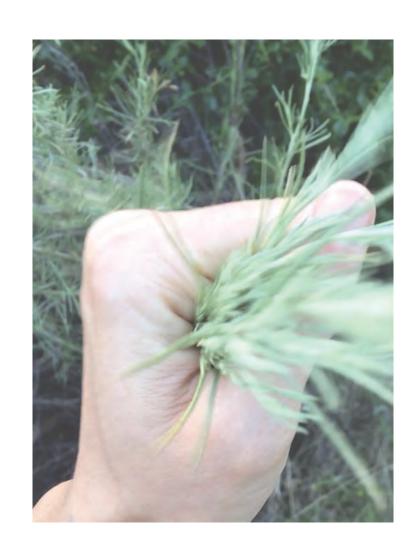


Sagebrush grounds me here. Distressed, I walk out into the mountains and brush along its soft leaves. It's scent musty, sweet and healing. For generations, it has been honored and used as a medicine by the Tongva and other tribal nations of this region. It soothes pain and is used to help in the process of giving birth.

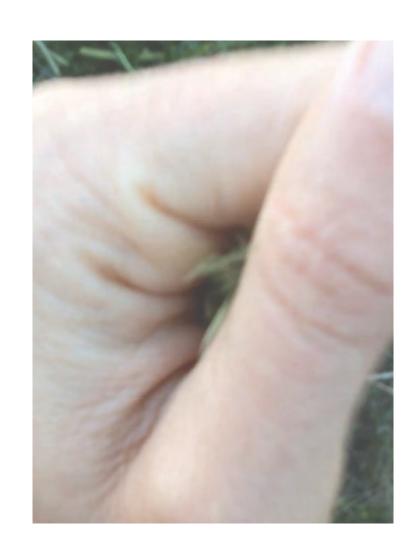










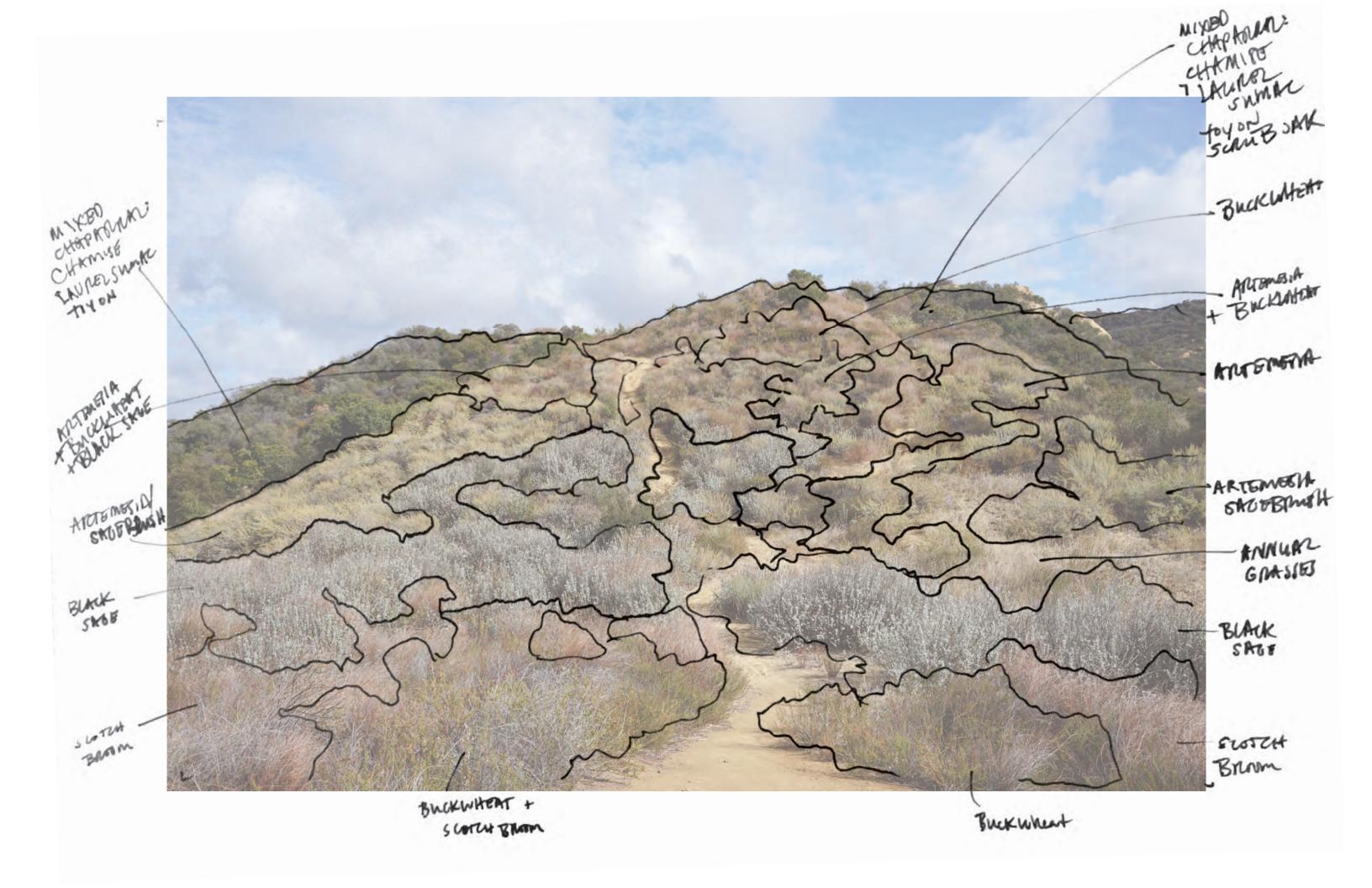


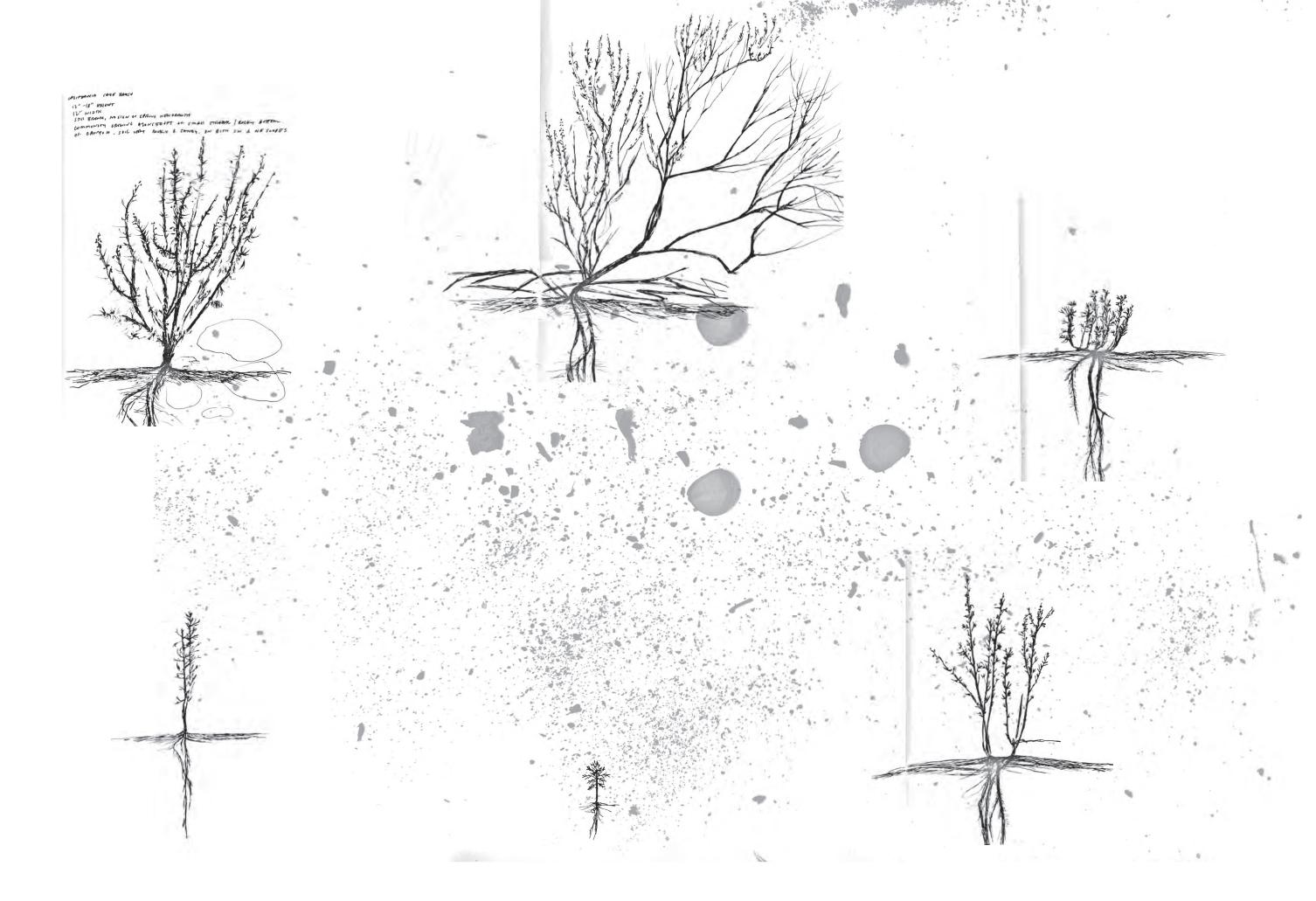




Sagebrush is a key species in this coastal sage and mixed chaparral habitat, supporting many nearly exterminated species in their dense woody underworlds.

The plants are the backbone of the riot of life that unfolds here. They have evolved brilliant survival strategies over thousands of years, crown sprouting after fire, able to survive a whole year on the amount of water we use in a single day. Yet, we're witnessing both slow drawn-out disappearances, like the sages slowing dying away from the nitrogen falling from emissions, and like what happened with Laurel sumac in the early 2020's, where a new fungal pathogen took over and left thousands of dead sumacs turning the hills brown in the span of a couple years.







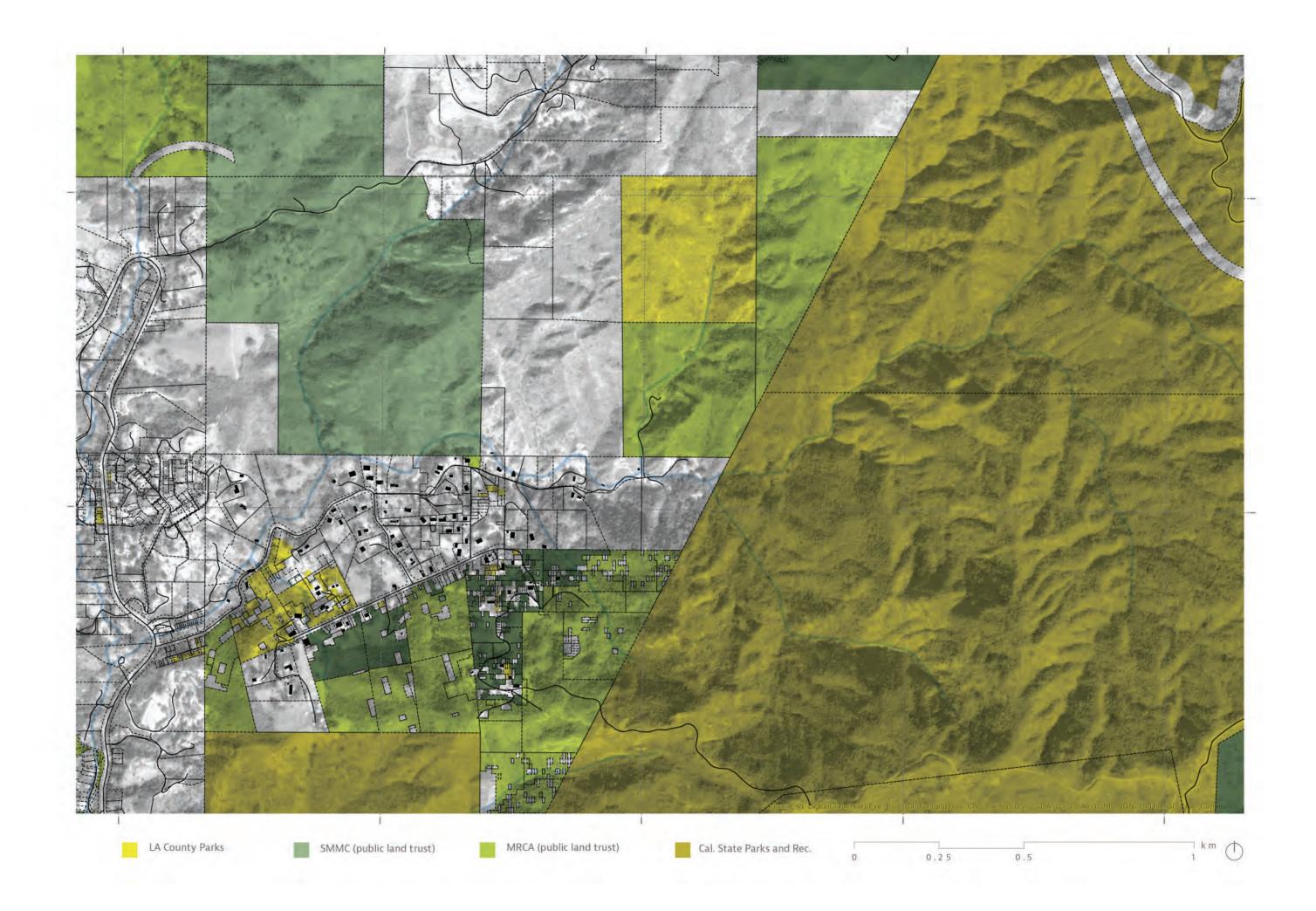
Since the early days, this question has been a central to the school, giving rise to the land care collective.

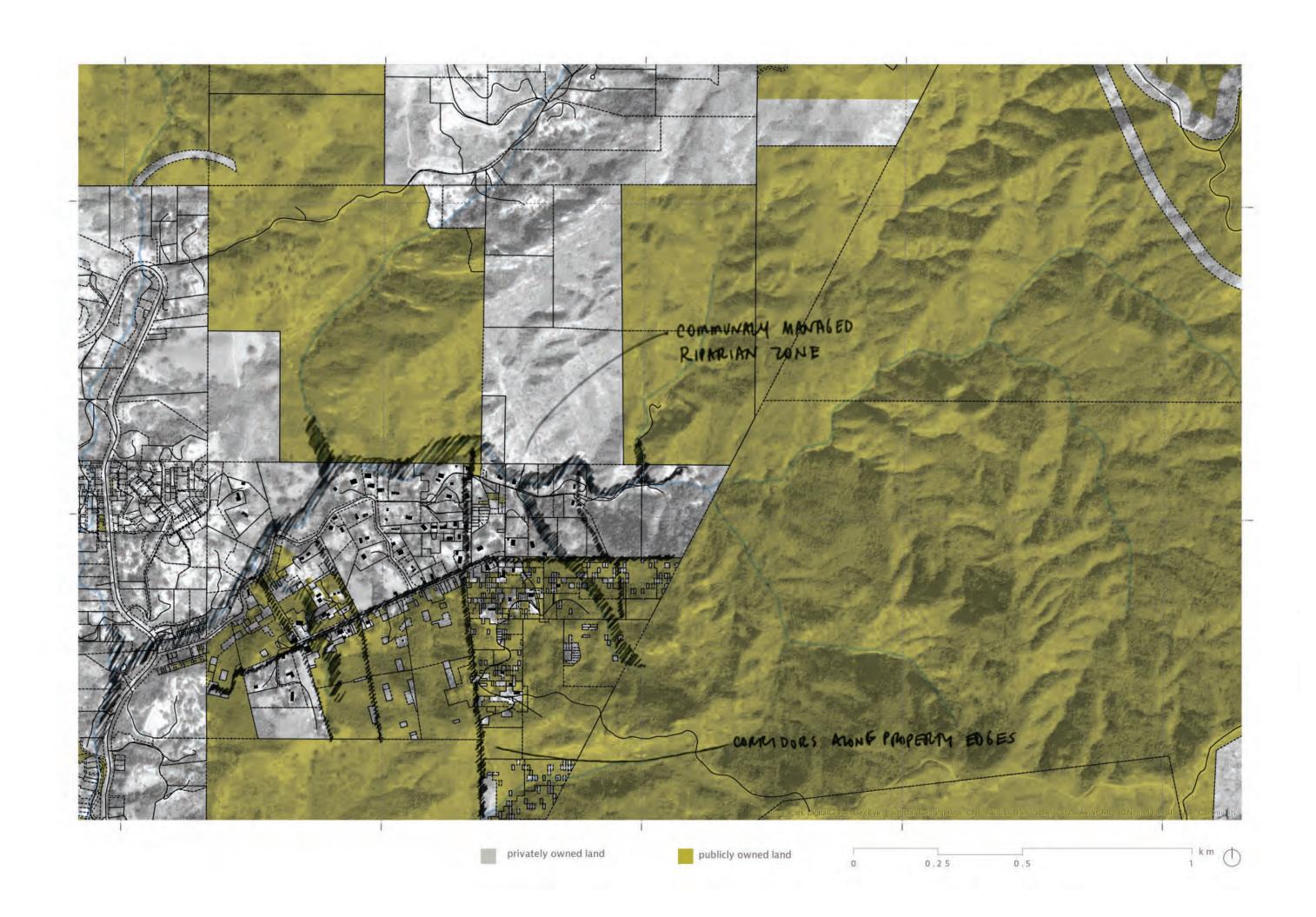
The Garapito creek community school is the home of the land care collective.

Anyone in the neighborhood and all landscape professionals who are employed here are invited to join the meetings. We bring in experts and partner with scientists as well as people with lived knowledge and/ or ancestral knowledge of how to care for the land. Land management used to be fragmented along property lines, with no conversation between private owners and the large public land agencies that surround the neighborhood, with many people feeling overwhelmed by their properties, and unable to respond to either the slow or rapid disappearances unfolding. Now, together, through conversation, research, and experimentation, we coordinate collective land management practices to amplify our capacity to respond.



garapito creek land care collective











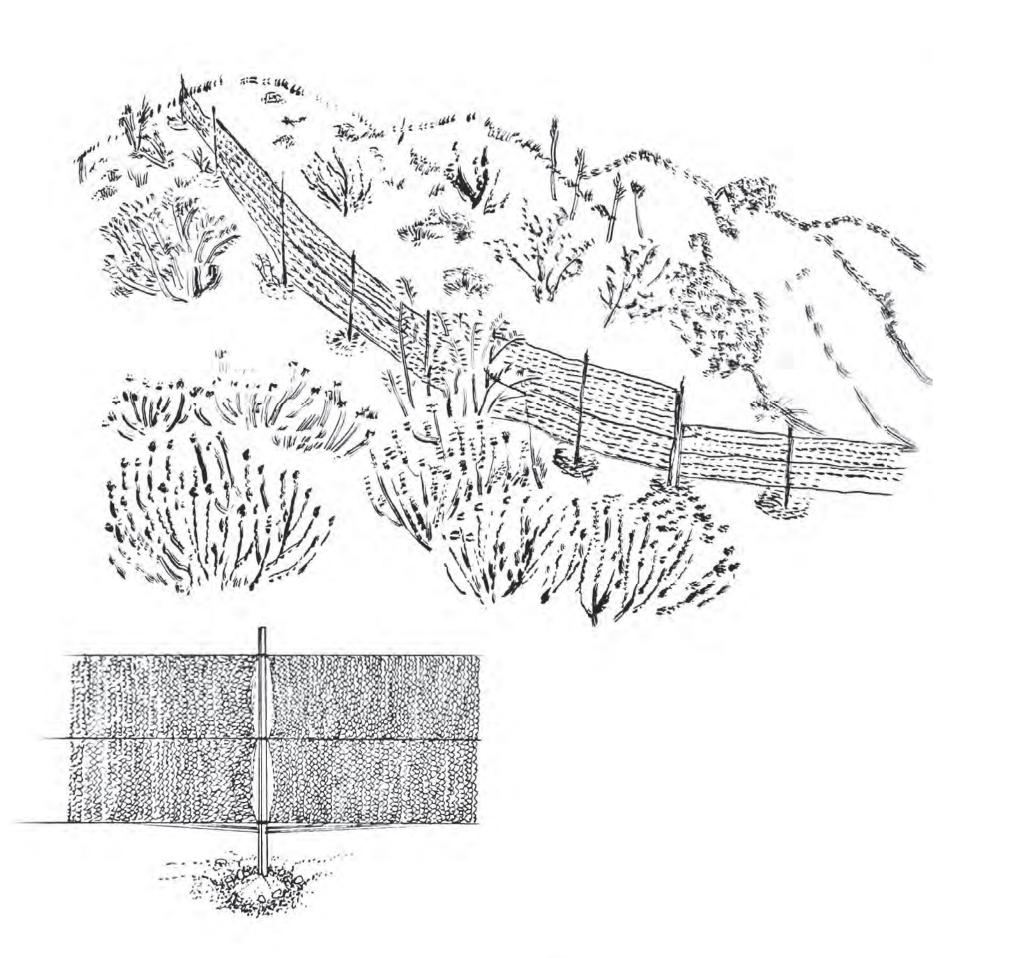


Practices have included:

Changing our fencing patterns to create wildlife corridors along the riparian zone and property lines. Planting to support particular insect populations. Planting edible species as food forests where invasive mustards have become dominant.

Testing the grazing patterns of different animals to manage the fuel load for fire safety but support a thriving rhizosphere. Using dew capturing fabric along the temporary grazing fences to offer water during droughts.

And perhaps most critically, collecting and propagating seeds from individual plants found to be more resistant to the onslaught of pathogens, and the stresses of higher temperatures, drought lengths, nitrogen levels, and increased fire frequency.

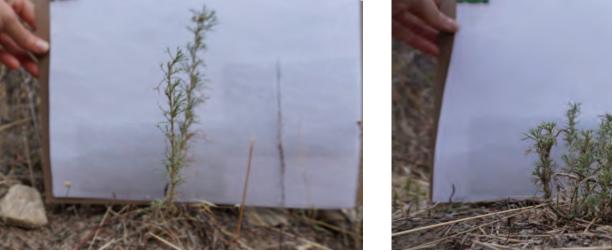






garapito creek land care collective











garapito creek land care collective





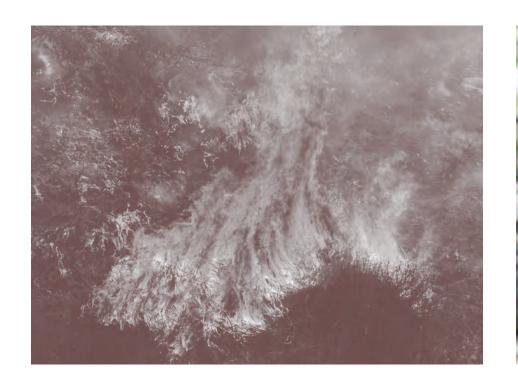








garapito creek land care collective





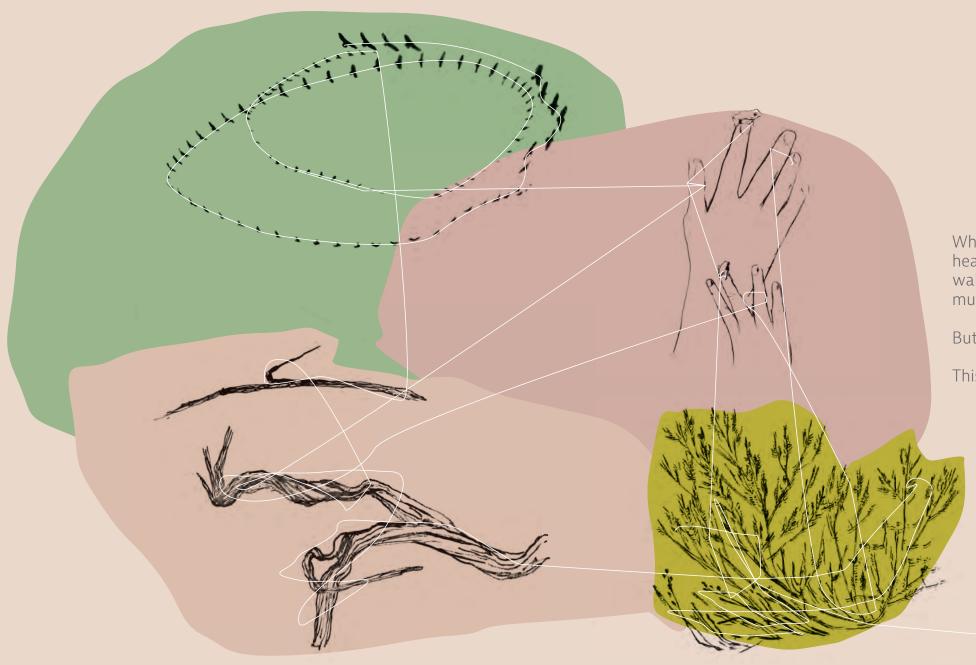








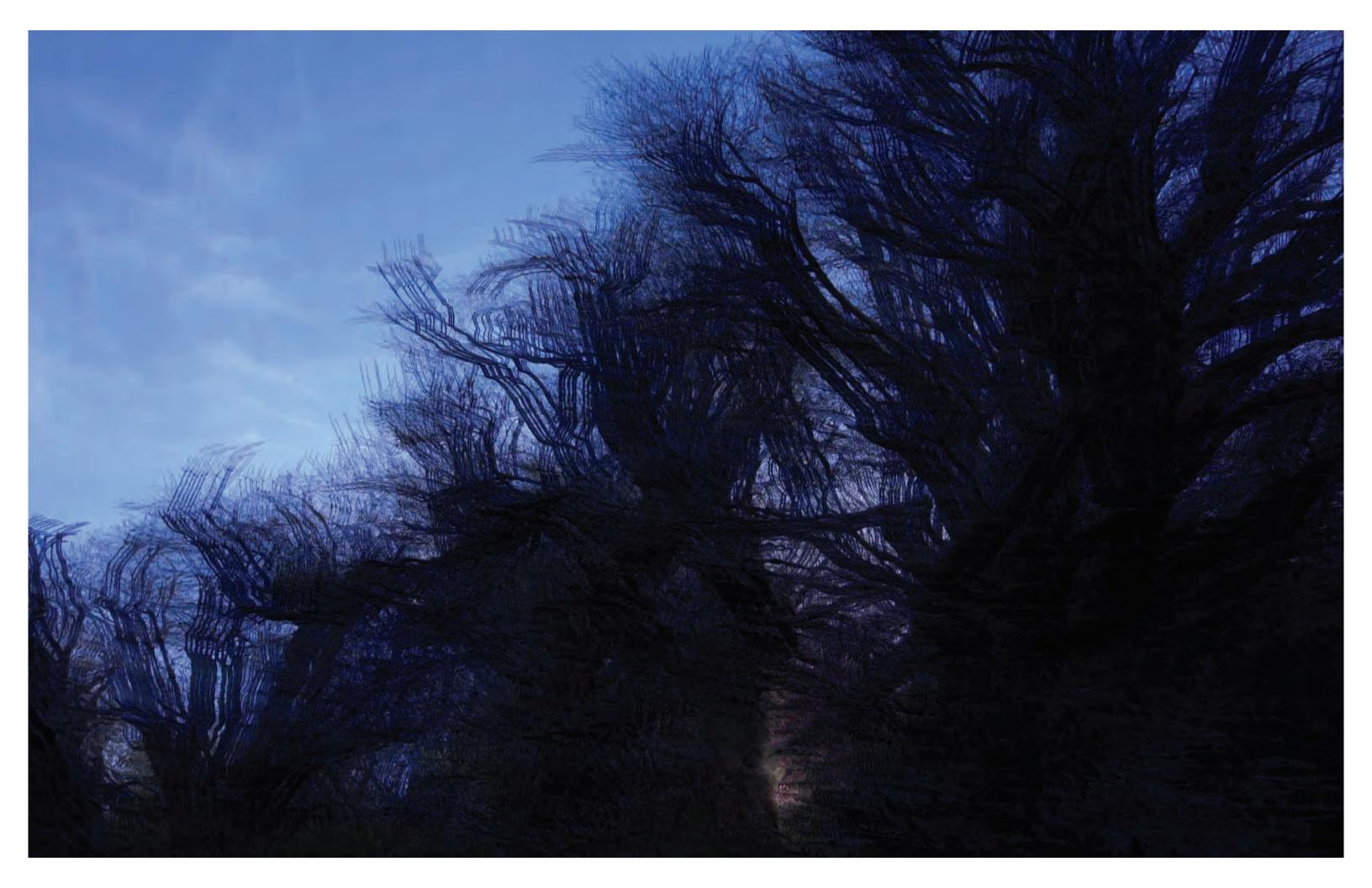
garapito creek land care collective



What does it mean to be a community member re-entangled with the health of the larger community of beings? Personally, I think it means waking up and listening, even if it makes me vulnerable to the pain of so much change and loss.

But this is an ongoing conversation.

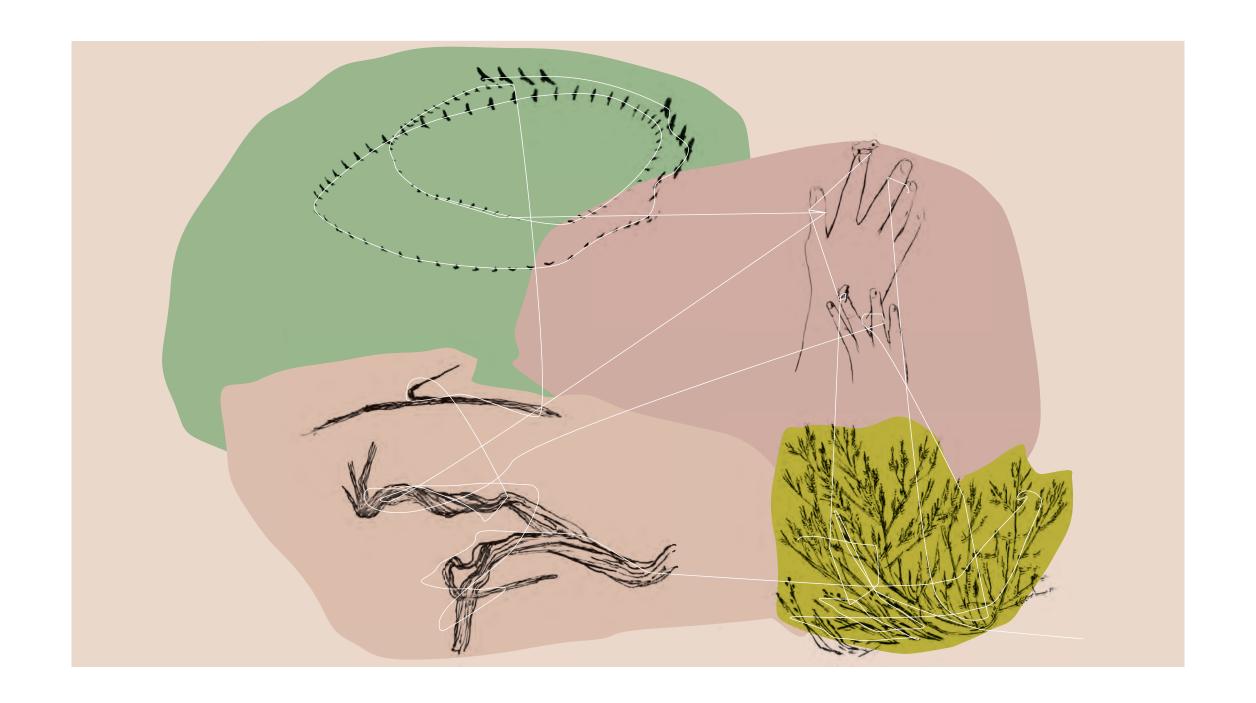
This is life work, generational work.



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i want to live together

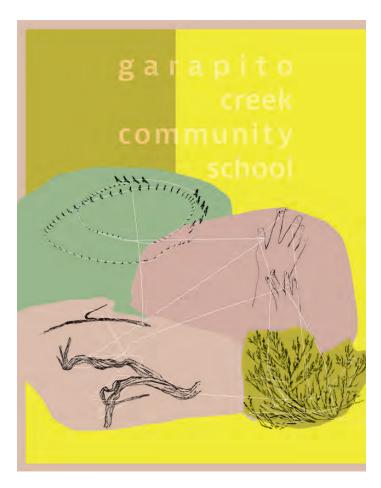
kanchan wali-richardson advised by malkit shoshan

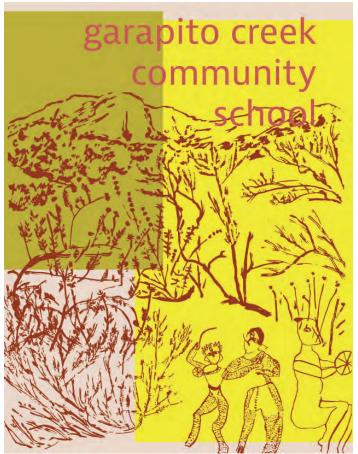
i want to hear you even as extinction tears you away

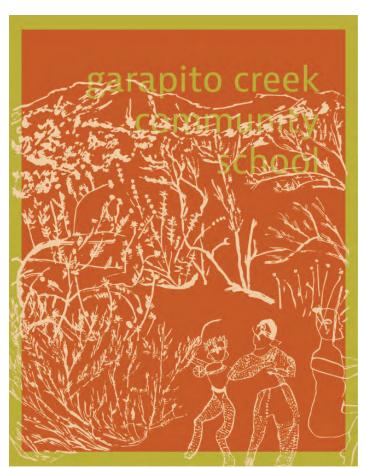


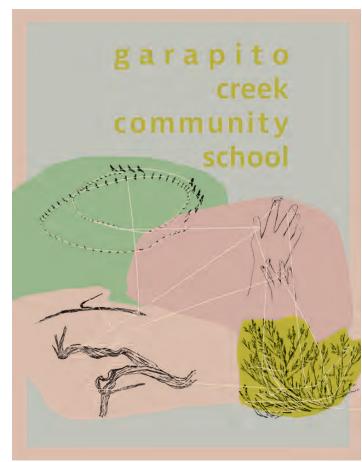
it's the year 2040

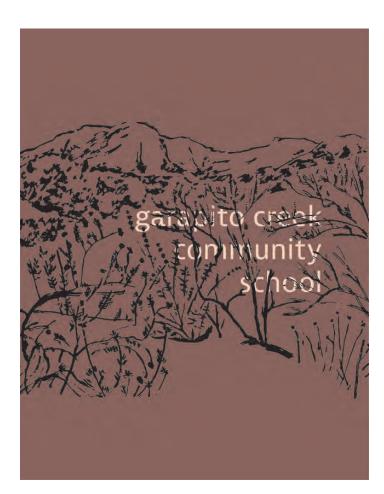
This project is an attempt to grapple with how to live in a time of increasing extinction and loss. How should we go on? Knowing everything we know about how implicated we are in the unraveling of lives?

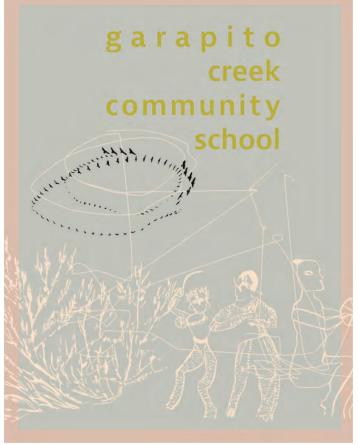










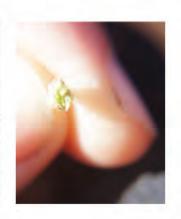


This thesis envisions a social infrastructure, The Garapito Creek Community School, to catalyze both spatial and intrapersonal change, grounded where I live, in Topanga Canyon California, a peri-urban neighborhood of Los Angeles.

The Garapito Creek Community School is an experimental design-build lab, galvanizing community members as agents of change through radical multispecies politics and interventions that address the needs of the entire community, human and non-human. It is the center of gravity for existential reckoning. It asks, how do we expand what we call community?





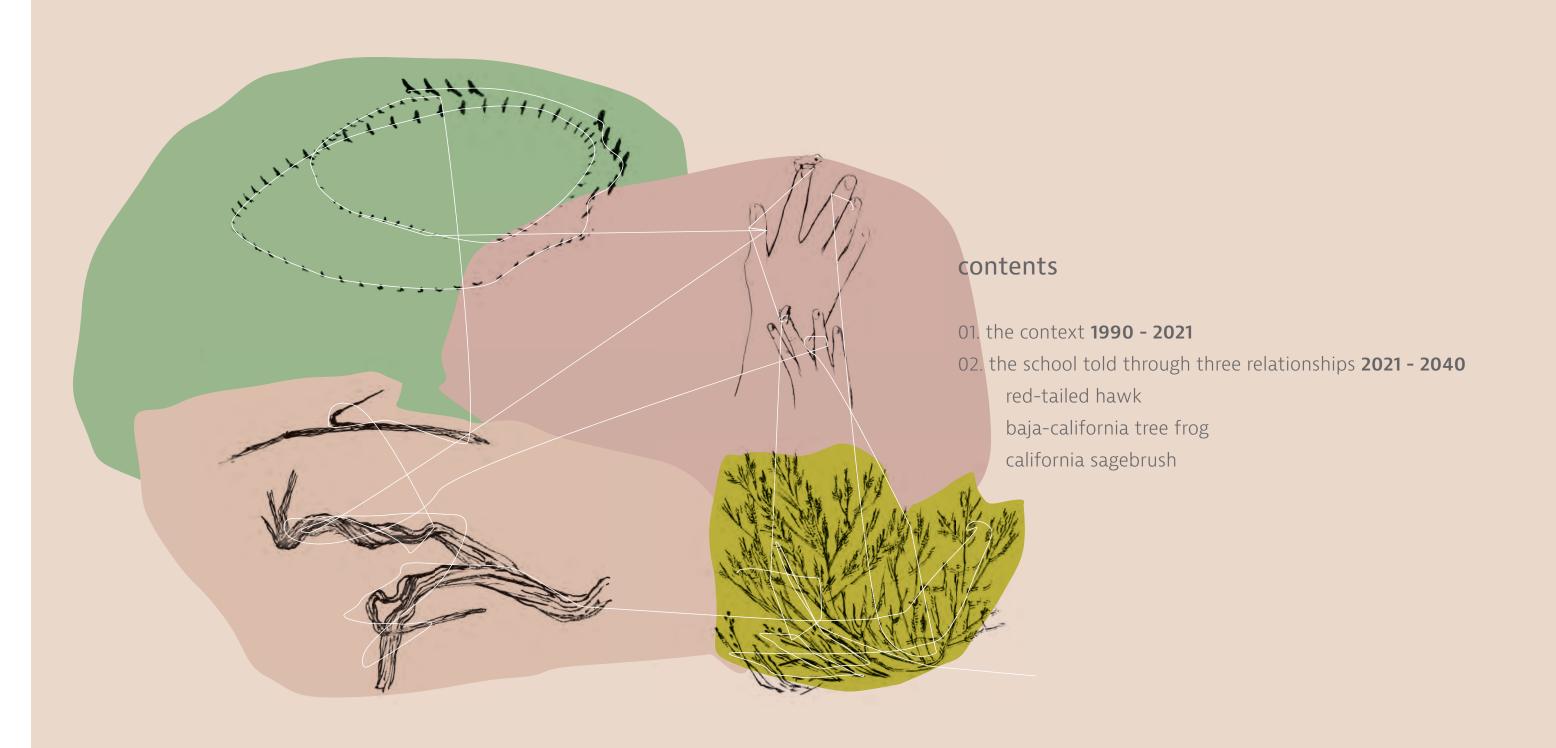


The project, and thus the politics of the school, insist that a design practice in the face of these existential threats must be personal, must be embodied, must honor grief, and must come into being through the rebuilding of deep relationships with others.

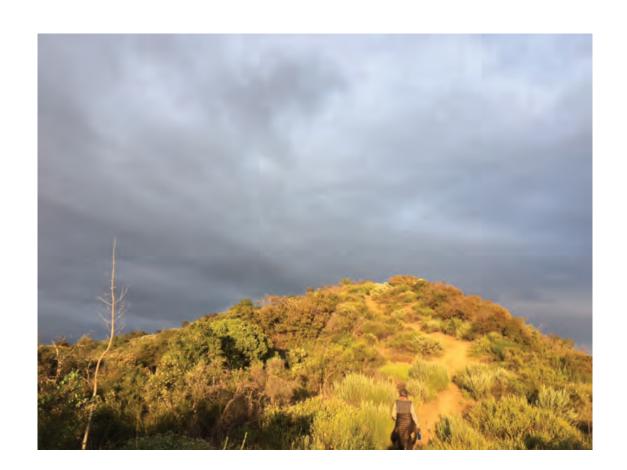












I was born in these mountains. My earliest memories are of the sandstone boulders and the bursting feeling of dried California buckwheat flowers. I remember the summer heat, my mother carrying me surrounded by the sweet smell of mule-fat plants along the creek bed.

The problem is, I don't remember all the butterflies that aren't here anymore. The thousands of them gone now. Or the beetles. Or the songbirds I don't even know the names of. I don't remember the particular wildflowers that no longer bloom, having been out-competed by European grasses. I have no memories of the salamanders you can't find anymore. I can't recall what it feels like to hold a red-legged frog in my little chubby cupped hands.

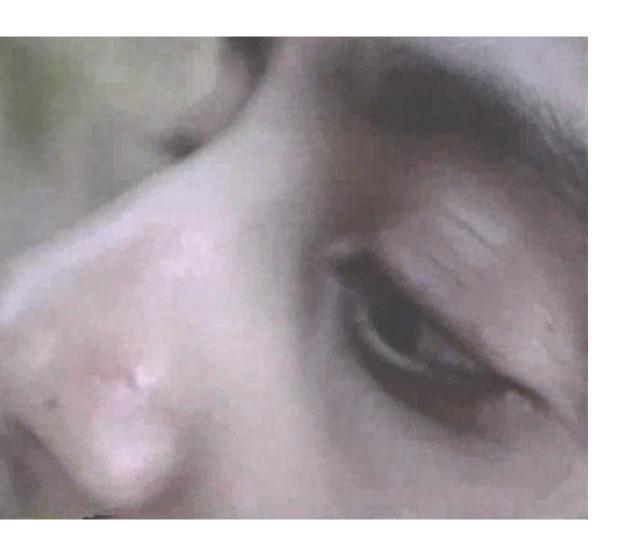
In my years here, how many lives have faded away? Who was already missing by the time I was born?



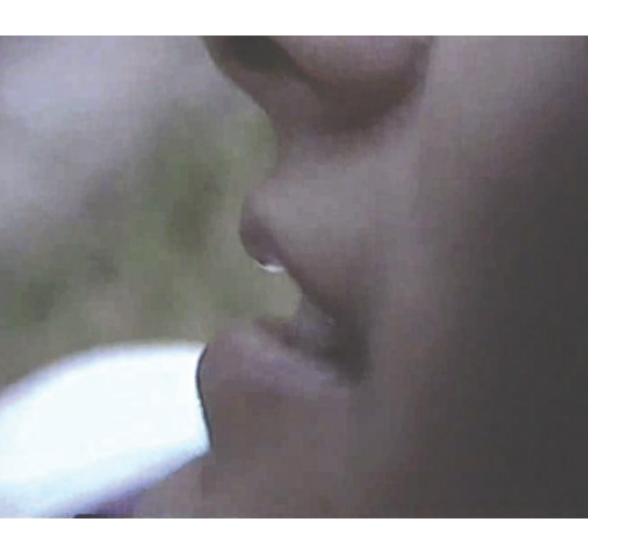
There's a home video that surfaced recently from when I was a baby. My dad is shooting. He's got the camera zoomed in on a massive, hairy, black tarantula. He's screaming and bellowing at my mom to kill it. My mom leans into the frame, holding me, a little chunky dumpling.







She says with a sweet somber voice to my dad,

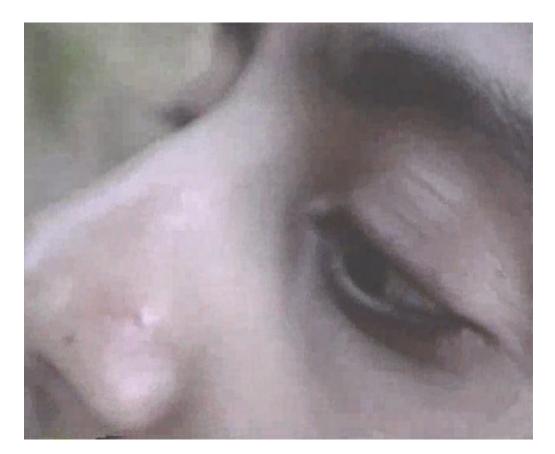


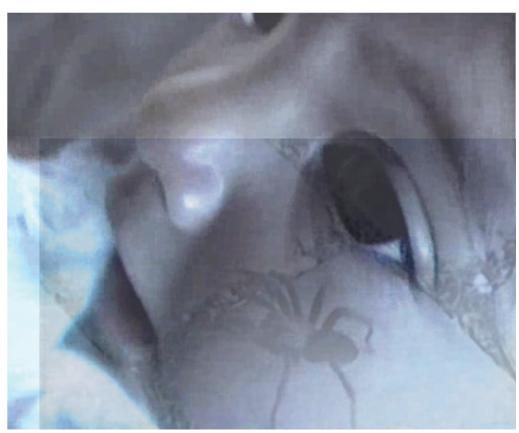
"I don't kill them because they're beautiful living creatures".



When I saw that video, it helped me understand better why I long for the world I long for.









Animal populations worldwide have declined nearly 70% in just 50 years, new report says

BY SOPHIE LEWIS SEPTEMBER 10, 2020 / 9:09 PM / CBS NEWS







Since 1970, 60% of the world's vertebrate animals have been wiped out

South and central America is the worst affected region globally

As a result of the collapse, Indian crocodiles are on the verge of extinction

An 89% total drop Giant otters and spider monkeys are among the species most affected region globally

An 89% total drop Giant otters and spider monkeys are among the species most affected region globally

Guardian graphic. Source: Living Planet index, WWF/ZSL. Note: shaded areas show the statistical uncertainty surrounding the trend

"We are rapidly running out of time," said Prof Johan Rockström, a global

Animal populations worldwide have declined nearly 70% in just 50 years. 60% of vertebrates wiped out.

Changing weather cycles. Insect population collapse. Viruses. Pathogens. Indirect habitat loss.

Chaparral and sage scrub habitats are some of the most biodiverse in the world. Yet, in California, only 10% of the communities that once spread across the state are left. 90% gone. Unable to survive the desire for prime California real estate.

As designers, we know we are implicated in this. It's this conflict, between the way we live and build, and the decline of the living world, that sets the context for the story of The Garapito Creek Community School.

Humanity has wiped out 60% of animal populations since 1970, report finds

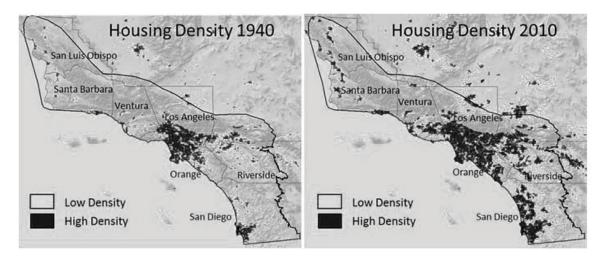
The huge loss is a tragedy in itself but also threatens the survival of civilisation, say the world's leading scientists



As U.N. warns of widespread extinction, California is already losing species



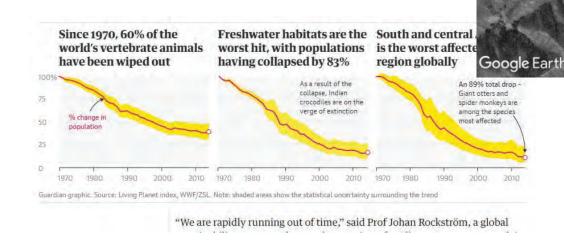
12 Chaparral Landscape Conversion in Southern California



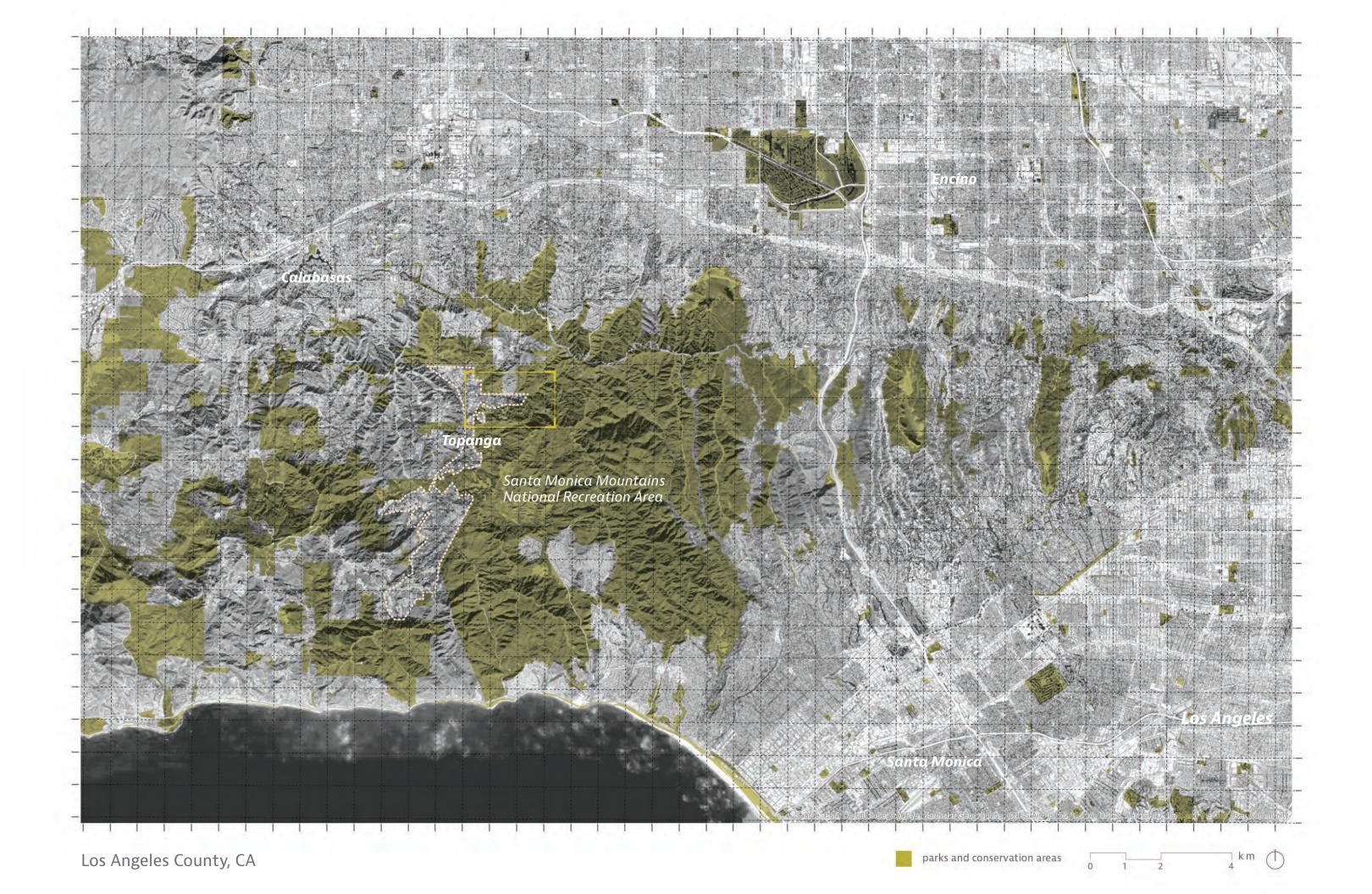
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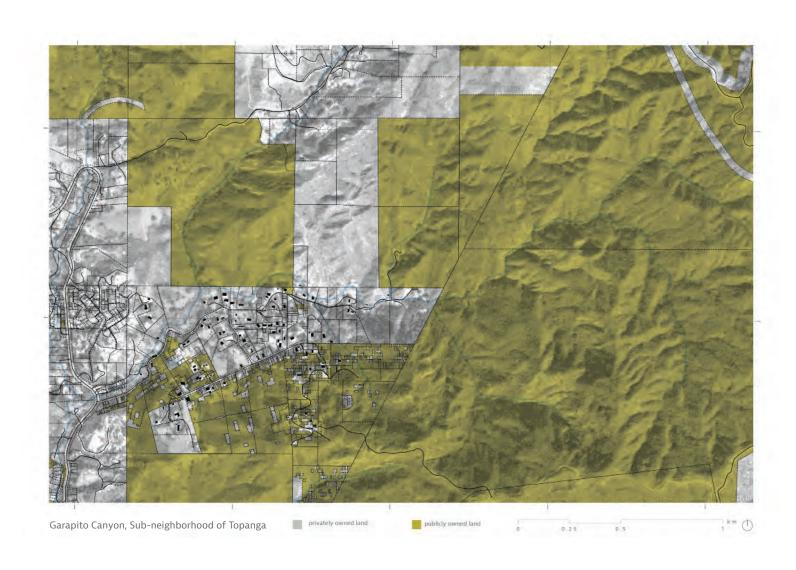
Fig. 12.2 Maps of low and medium-high housing density in 1940 and 2010 in the South Coast Ecoregion of southern California

12.2.3 Indirect Habitat Loss and Conversion



CORONAVIRUS, VACCINES AND PANDEMIC Zoos, scientists aim to curb people giving viru long overdue exhale at Disney California





The neighborhood of Topanga, within which our community is located, is at the edge of the largest urban national park in the US, the Santa Monica Mountains Recreation Area.

It's a community up in the mountains, on the unceded land of chumash and tongva people. It's an unincorporated town, part of Los Angeles county. Though down the road from many estates and subdivisions, the neighborhood is peri-urban in form, numbering only around 200 people. It's a patchwork of communal and nuclear housing forms. Mixed incomes, often rough and DIY. It's has attracted people who wanted to live differently with a history of experiments in counter cultural projects.























The school began at this moment perhaps, dropping a note in my neighbors Ben and Karinay's smiling pink mailbox.









Followed by more notes, and more conversations with neighbors, asking, how should we live knowing everything we know?

One particularly catalyzing conversation early on was with Deena Metzger, a longtime resident here who is an author and healer. In 2019 she wrote,





"The only healing for extinction illness is to change our lives to stop extinction"

"How shall we live?"

Deena Metzger, Extinction Illness, 2019

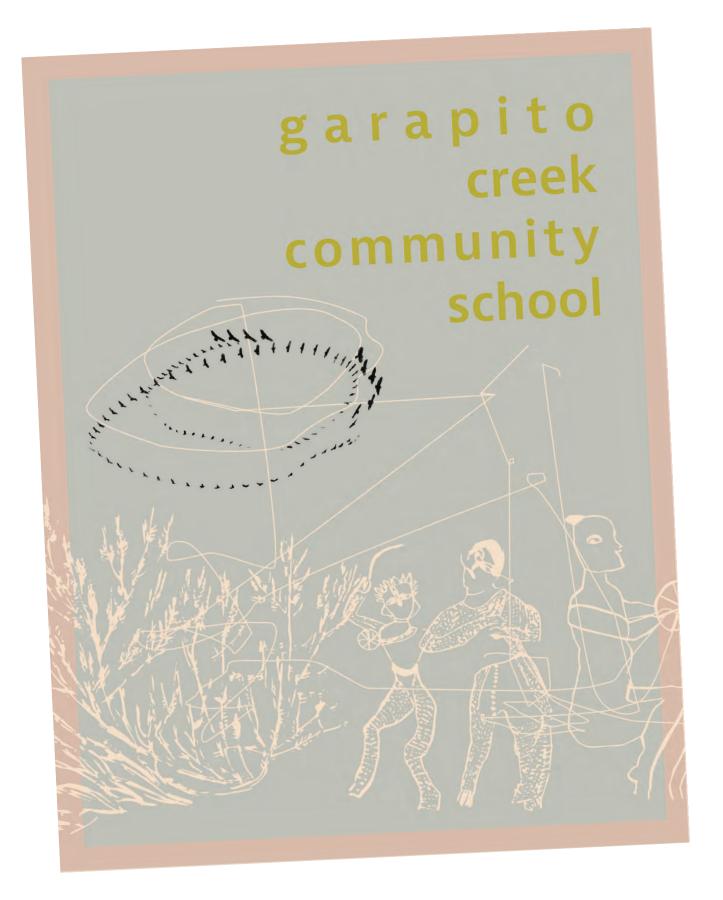


There was a mounting sense of urgency.

But who has the time? Who has the energy to make radical change? Life is hard enough...

That's how the school came into being. As the center of gravity for adaptation. A way to share, exchange, test and grow applied knowledge.

Key precedents included:





OUR WORK

Rural Studio philosophy suggests that everyone, both rich and poor, deserves the benefit of good design. The students work within our community to clarify problems, define solutions, design, fundraise, and, ultimately, build remarkable projects. Our research addresses rural communities holistically: from houses to infrastructure and resources, always mindful of the connectedness of the many facets of rural life.

MORE →

Rural Studio, Auburn University School of Architecture design-build program

The Community of Praxis of the Amsterdam Zuidoost Food Forest | Radical Observation

61

01. c. Radical Observation

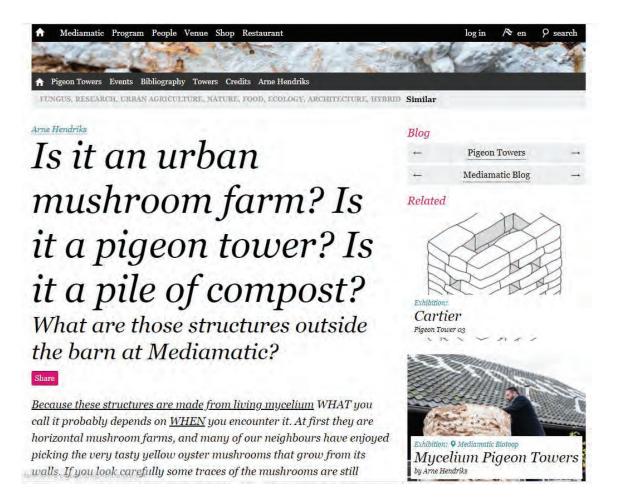
The practice: Radical Observation is a methodology that provides a practition-er-developed framework for understanding human interaction with the natural world. Practioners are guided through situated postures of awareness that focus attention on specific natural dynamics in order to understand, design and/or maintain a land-scape or ecosystem. Radical Observation is practiced by the VBAZO-CoP from 2018 until present.



Debra Solomon | PhD candidate UvA Urban Planning | The Amsterdam Zuidoost Food Forest | Harvard GSD | Feb 17 2021 |

The Amsterdam Zuidoost Food Forest, Community of Practice

Debra Solomon



Mediamatic Art Center, Amsterdam

garapito creek community school precedents

' <u>Medium Design: Knowing How to Work on the World</u> considers the potentials of mutualism as embodied in spatial arrangements. Focusing not only on objects in urban space but also the matrix of relationships that connects them."
"In Medium Design, designing is not solving but further entangling."
"To borrow from Isabel Stengers, how do you convert capital's "chains of dependence" back to "relationships of interdependence?""
Reading Mutualism: A Contemplation after Medium Design, Keller Easterling, 2021

"What settler colonialism, and its extensions into contemporary petrocapitalism does is a severing of relations. It is a severing of relations between humans and the soil, between plants and animals, between minerals and our bones. This is the logic of the Anthropocene."
On the Importance of Date, or Decolonizing the Anthropocene, Heather Davis and Zoe Todd, 2017
garapito creek community school precedents



The Garapito Creek Community School is an evolving attempt at a social infrastructure to rebuild relationships on multiple levels. To further entangle.

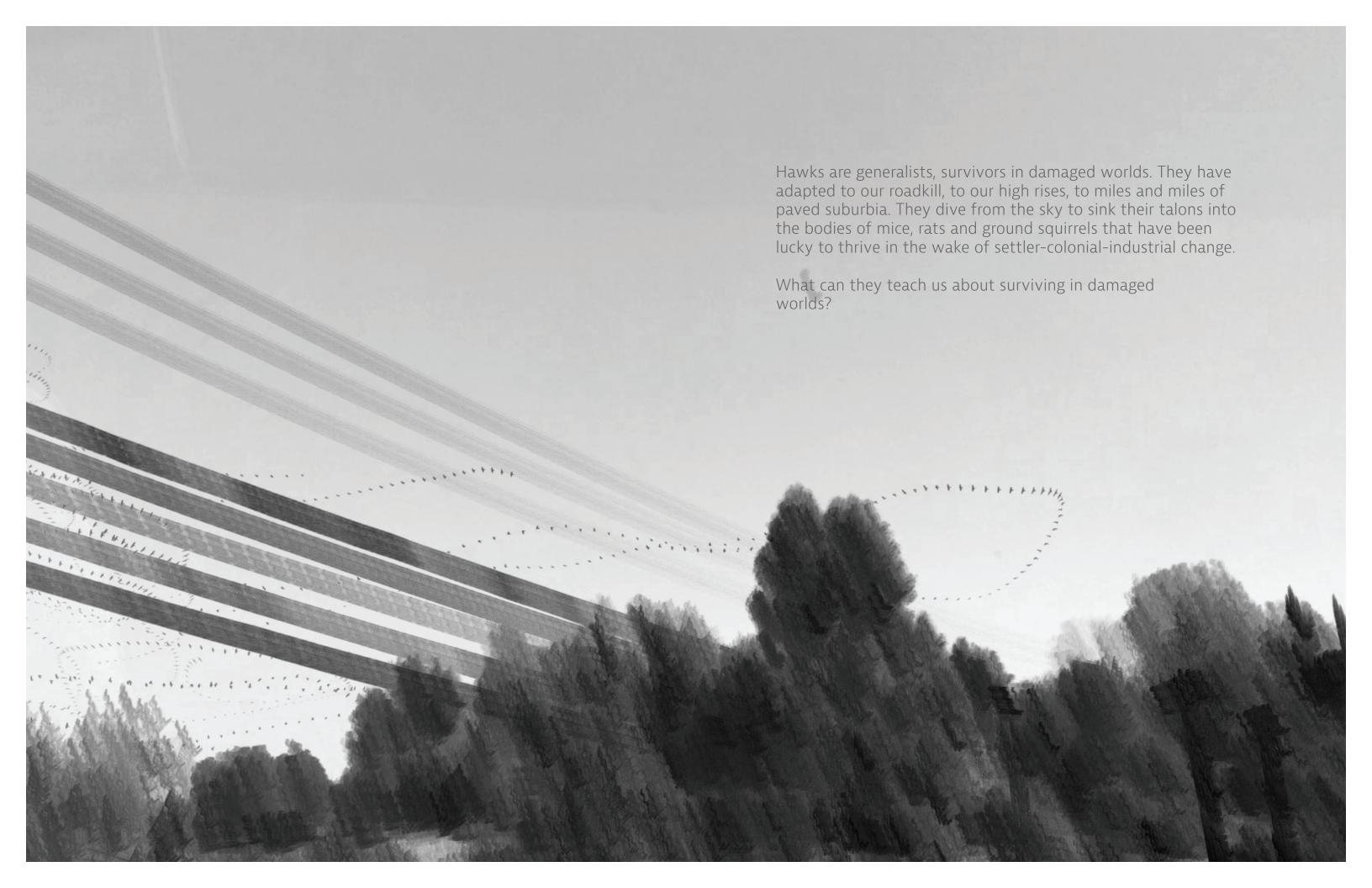
To do so, the work of the school expands both inward, and outward from more traditional design-build models. We spend as much time asking, how are we listening? What inner work is needed in each of us to make shifts? As we do designing, building and of course, evolving practices of care and mutualism that can sustain deep long term relationships with the land and species that need particular support.

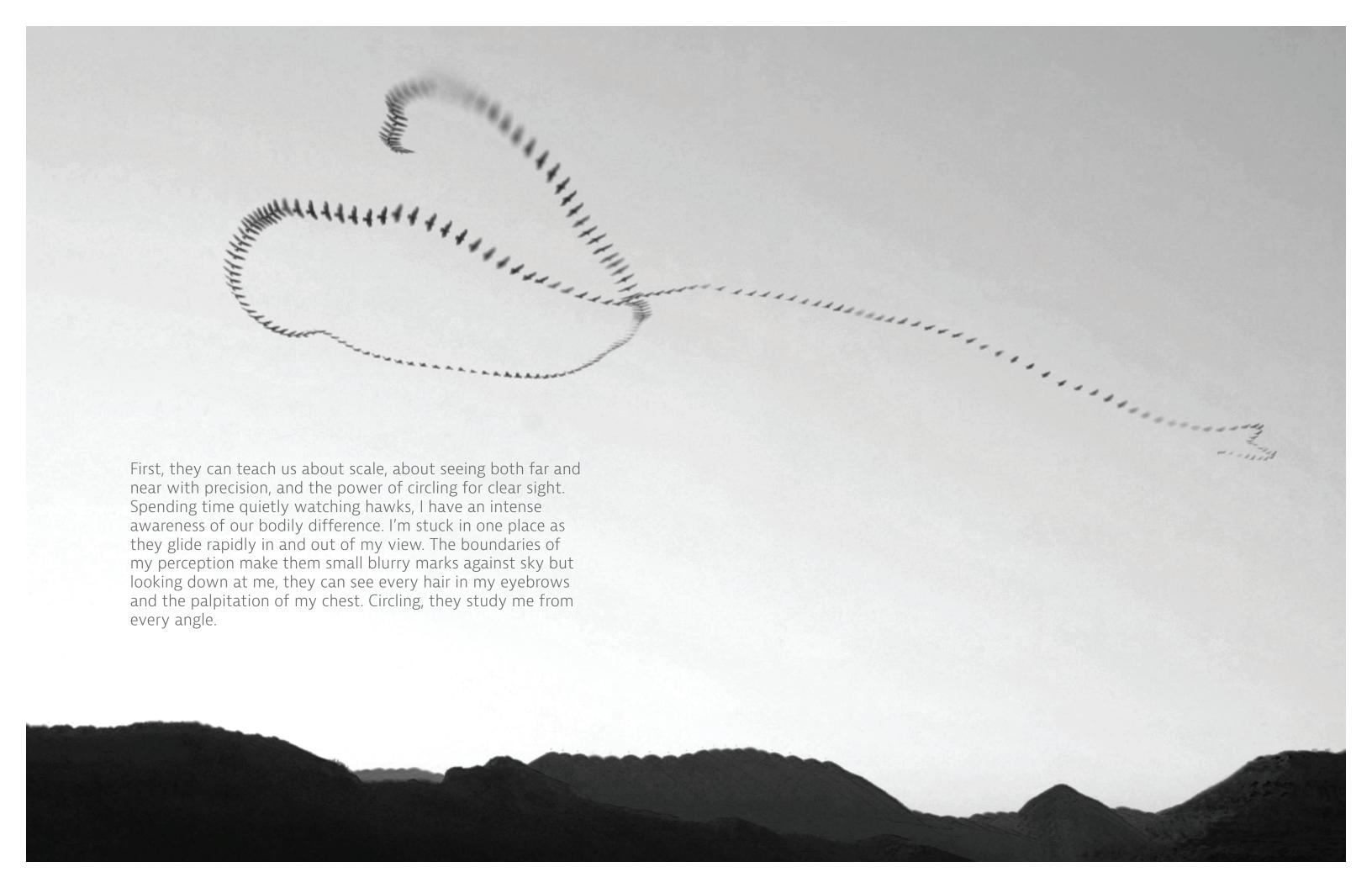


the structure of the school, told through my relationship with

red-tailed hawks









OUTSIDE STUDENTS FUNDING CREATIVE CAPACITY SKILL LABOR NEW HOUSING OUTSIDE EXPERTS **EXPERIMENTS** INFRASTRUCTURE KNOWLEDGE HOUSING ADAPTATION METHODS **EXPERIMENTS** TECHNOLOGY COMMUNITY SPACES KNOWLEDGE WORKSHOPS school MANUALS GUIDES EXPERIMENTS COLLECTIVE LAND MANAGEMENT PLANS COMMUNITY COHESION CONFLICT RESOLUTION NEIGHBORHOOD DEVELOPMENT PLAN PARTICIPATION DECISION MAKING community ADVOCACY AND POLICY WORK

world



The school is a combination of a design-build program model and an education oriented community center. Small cohorts of design students are invited into the neighborhood as well as visiting designers as instructors. Those programs are woven with short workshops geared towards community members. All projects are opportunities for learning, testing, and sharing, and take place within the community: taking the form of constructed adaptations to peoples homes and properties, new affordable experimental housing, projects specifically to address the needs of other species, and community spaces.

Thus, the school brings in the energy of outside experts and outside students and gathers and grows the lived knowledge of community members.

At the largest scale, we coordinate advocacy efforts like changing the neighborhood plan and patterns of development. Putting limits on new construction square footage. Incentivizing affordable housing. Allowing for experimental building under a new code similar to the class K code for owner-built rural dwellings in northern California that allows far greater permitting flexibility for experimental building methods.

At the medium scale, the new housing and existing housing adaptation experiments address water care, soil care, following the source of materials of construction, building habitat into the walls and micro-climates made by the structure, and inventing forms that support how we relate and communicate with other species.

At the smallest scale, we work on being attentive to the quality of perception in a single moment. Attentive to the difference between the gush of wind under the wings of a crow, vs a vulture, vs a falcon, vs a redtail.

undesign listen community water workshops council awareness practices affordable housing program interspecies listening interspecies communications consensus building workshops nested habitats/ habitations marking loss relationship infrastructure

unbuild

sustain

material construction lab

material cycling, deconstruction methods lab

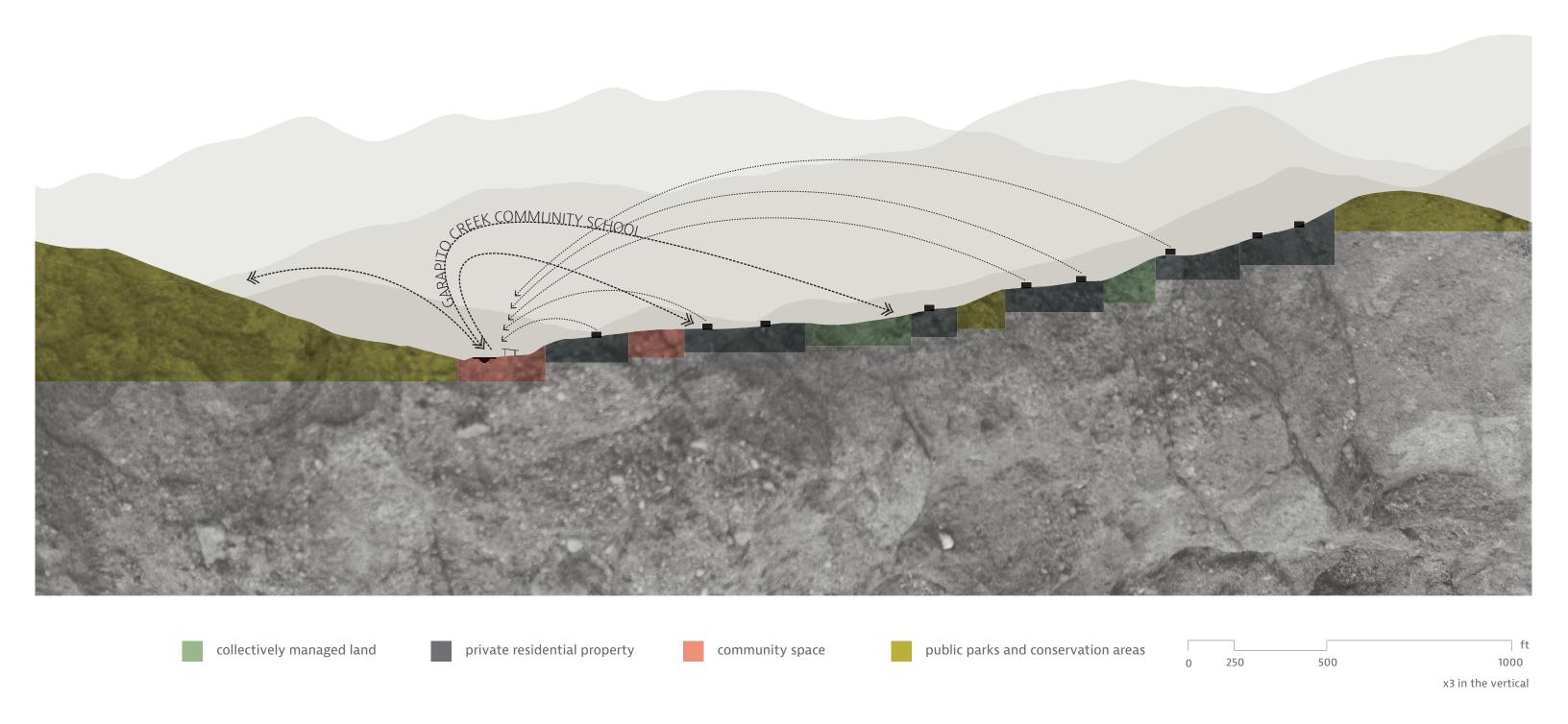
communal land working group

regenerative arid agriculture working group

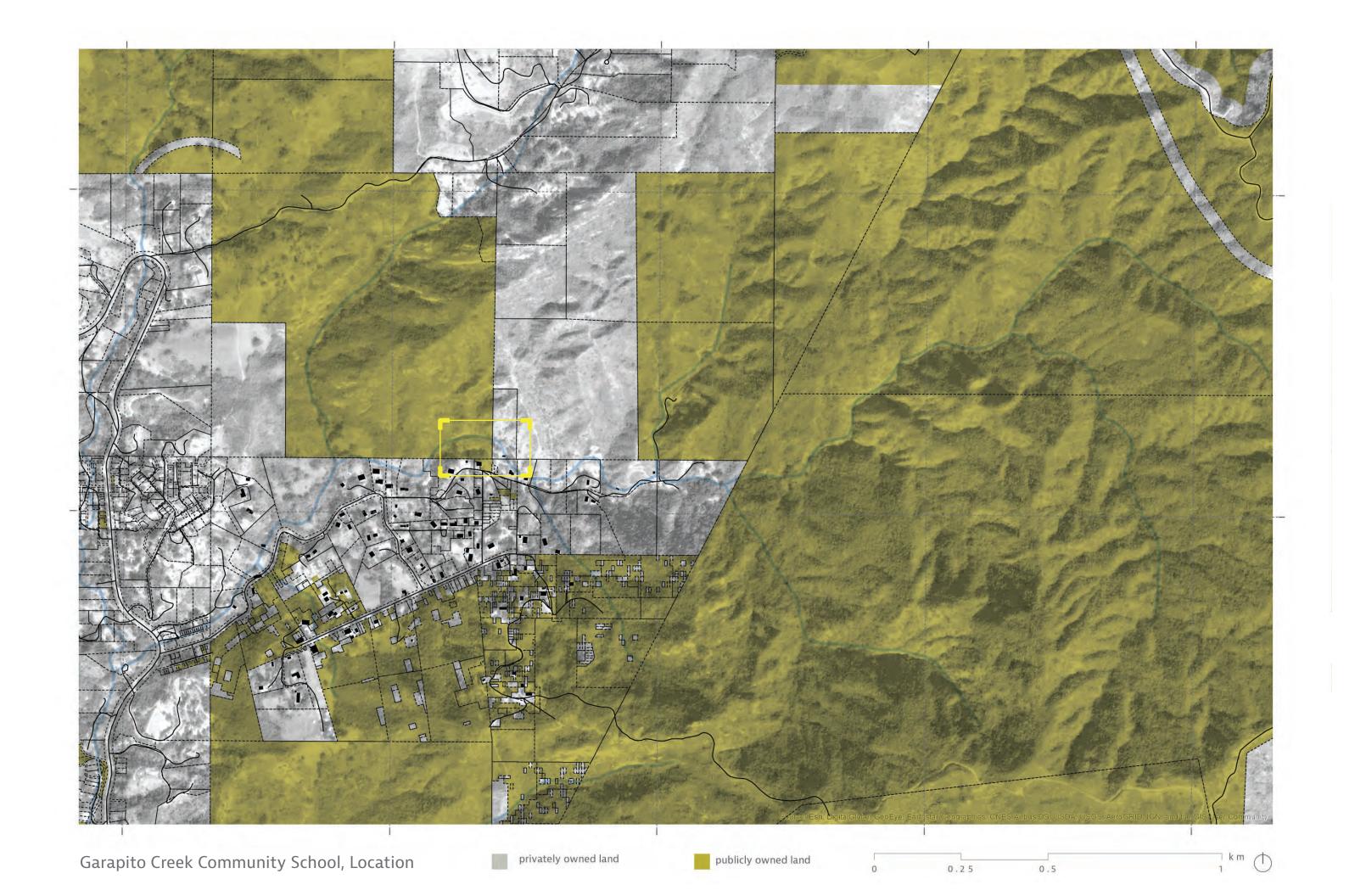
landscape labor program

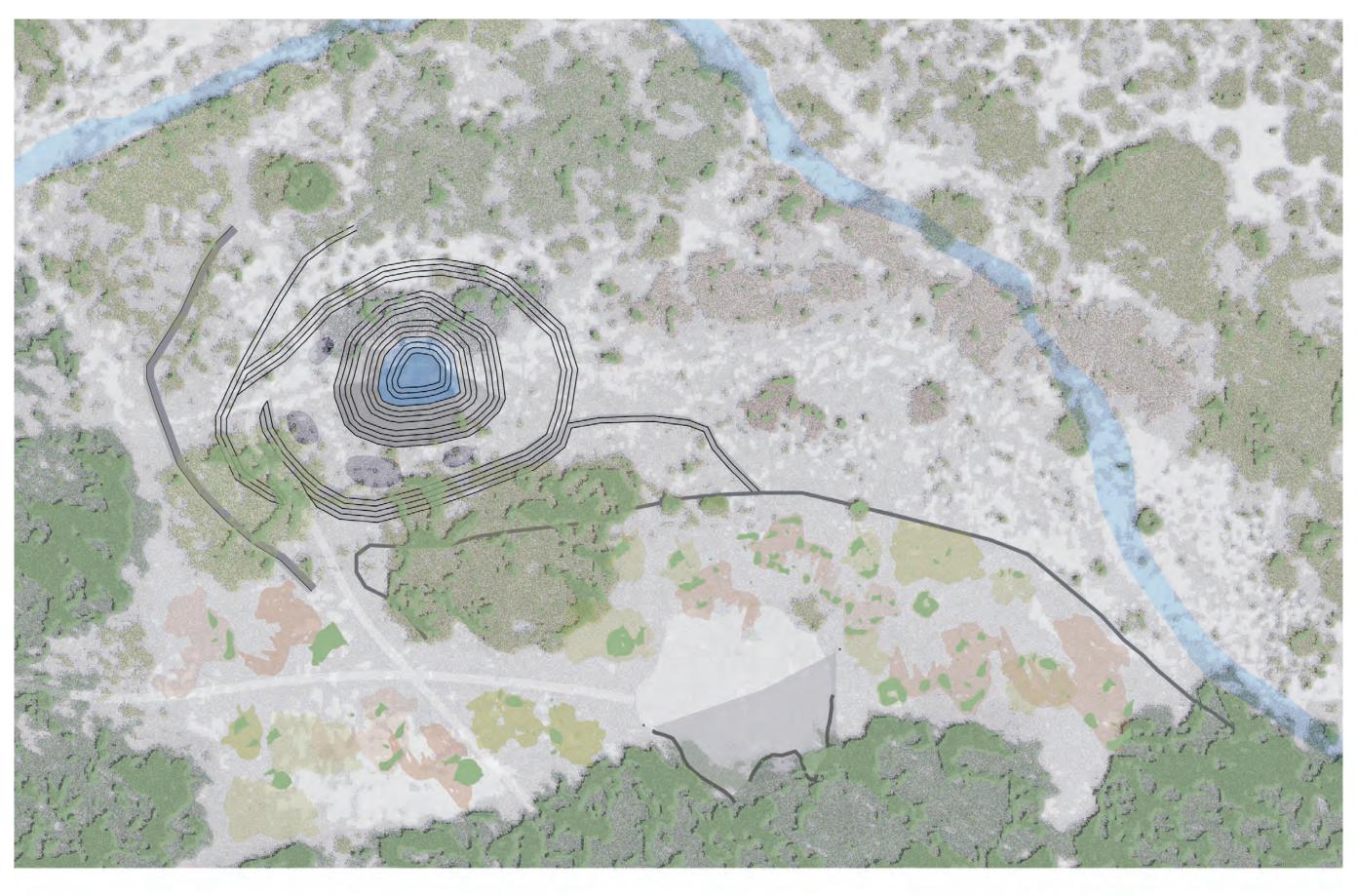
community/ public land management planing and testing

garapito creek community school programs



Spatially, this plays out as a continuous, flexible gathering at the central community space and school workspace, and the implementation of tests, projects and practices throughout the neighborhood.

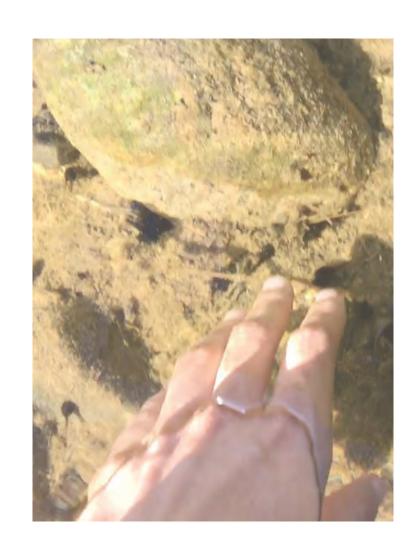






the school gathering space, told through my relationship with

baja-california tree frogs







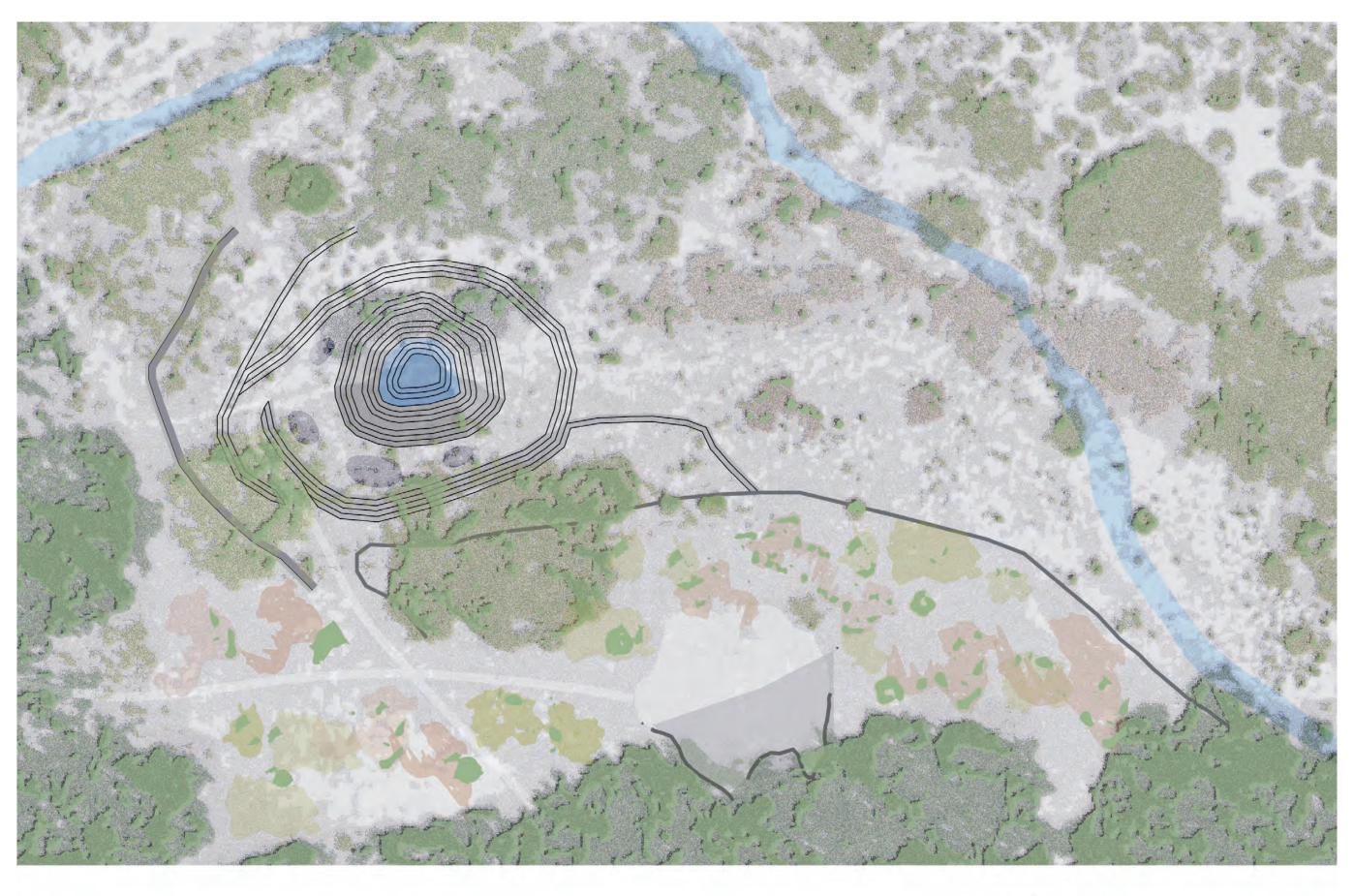


Treefrogs actually don't live in the trees here. They live along the riparian buffer during the long dry season, using the cool burrows of other creatures as shelter. Then the precious rains come. Winter rainstorms that make the whole canyon instantly neon green. All night froggy chirping choruses. Strings of thousands of eggs, and then the squirming tadpoles in the creek.

In India, where my mother is from, water is often revered as sacred. She was born on the banks of the Ganges river, who is understood as a living goddess. To create a multispecies future here in an arid land of rapidly increasing drought and water scarcity, the loving design of water's presence is essential, and the frogs are the ones that help guide the way. The frogs are indicator species, absorbing pollution through their skin, the first to suffer deaths when the respect for water is abused. My relationship with them brings a heightened sensitivity to choices made around water – where and how is it held, released, cleansed, and saturated.

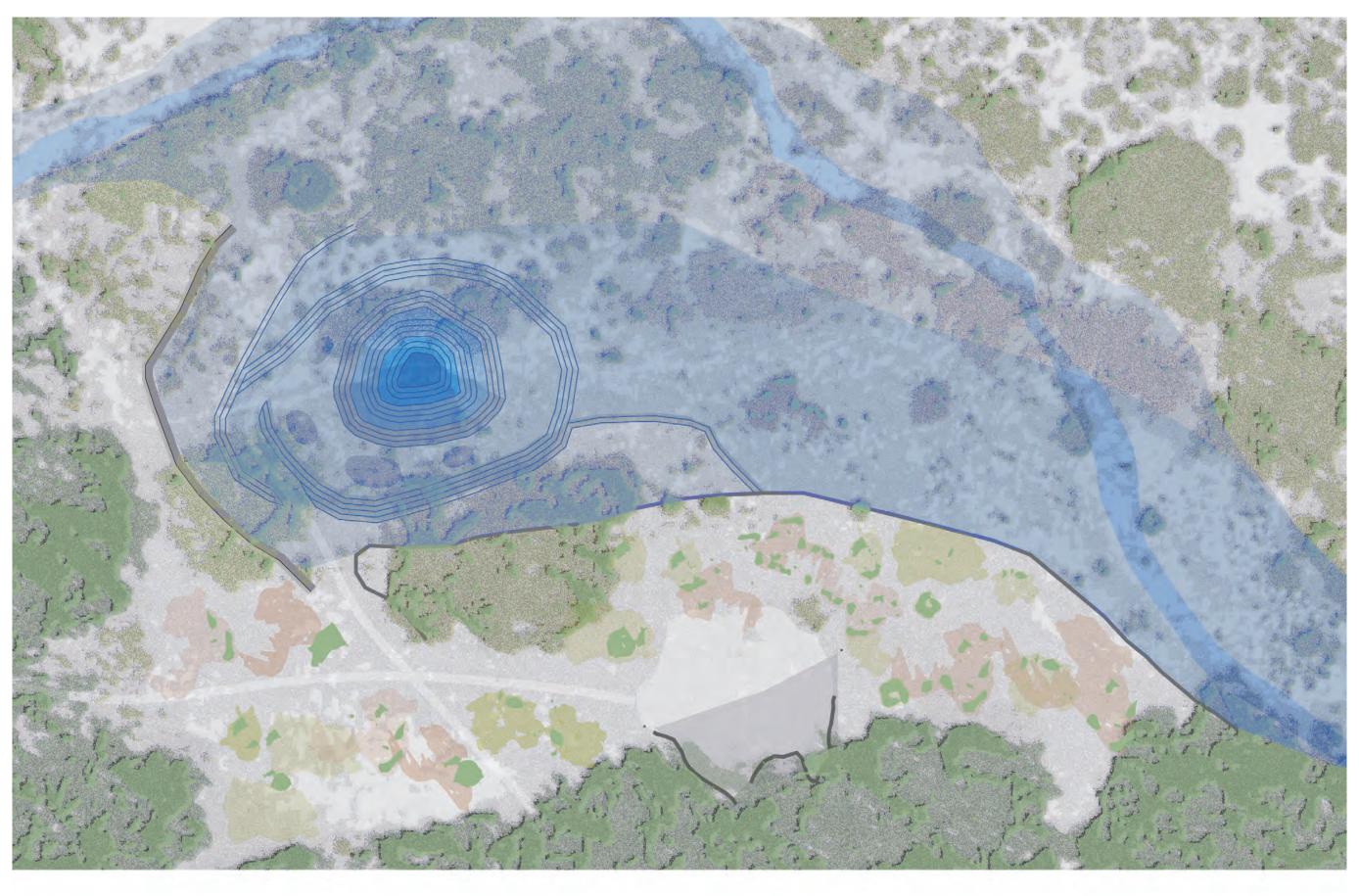




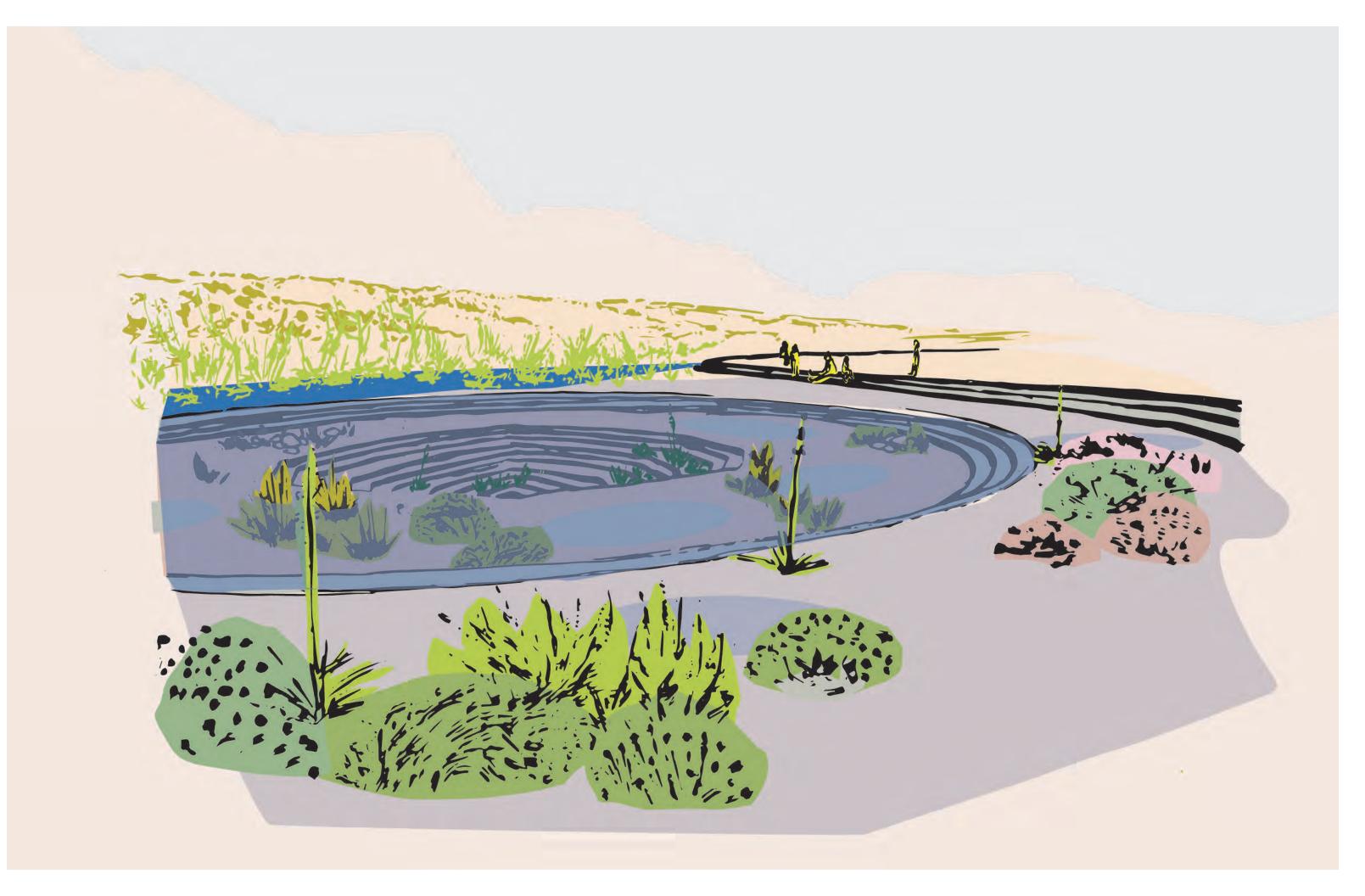


This space, the space that gathers our activities, centers us around water.

0 10 20 40 ft



During the more and more unpredictable winter rains, it floods and collects.



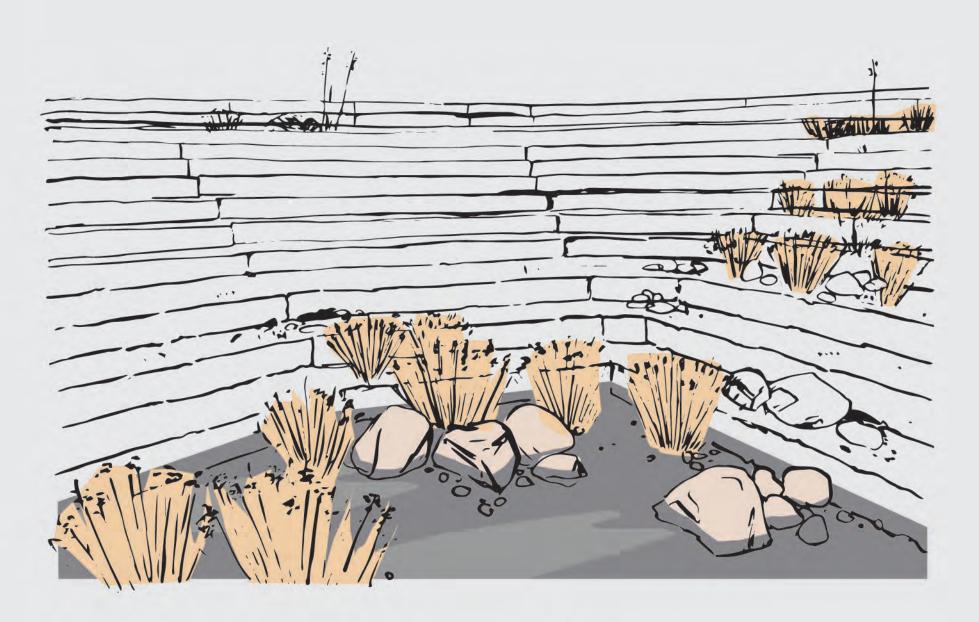
In spring, as the wildflowers are blooming, the step-well transforms into a community bath space. Baths that only fill when there is enough rain. A brief moment. A place to celebrate the precious arrival of water.

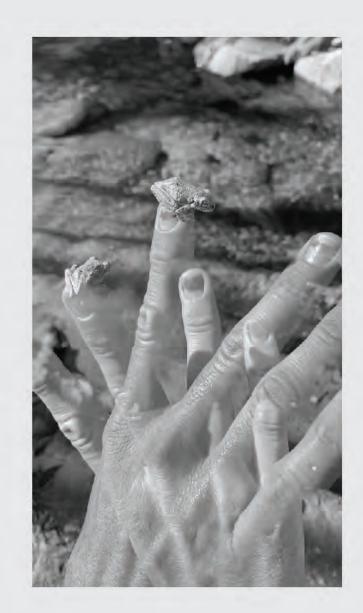




Embodied, heightened sensory attunement and pleasure.

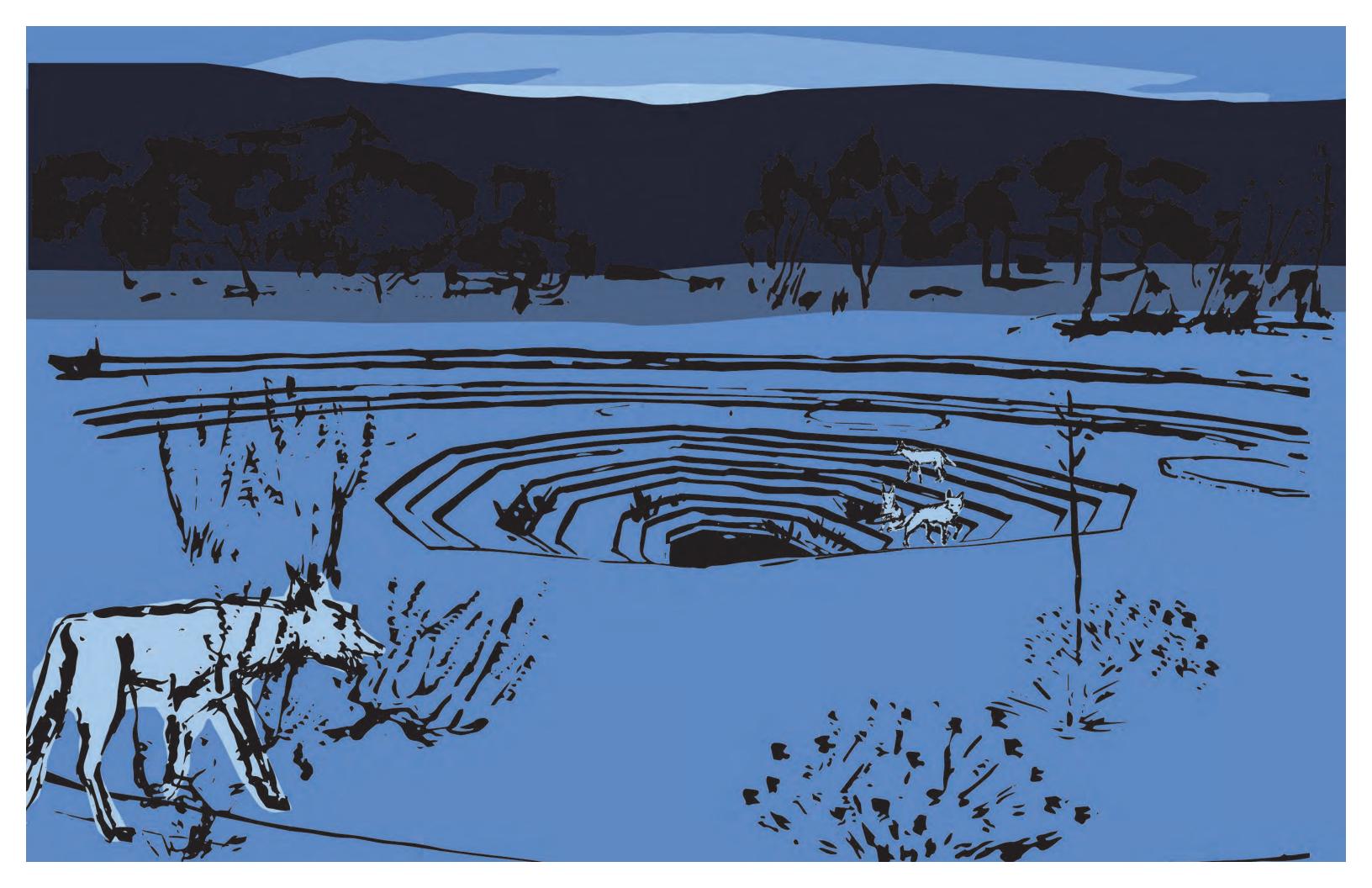
Tying us to the vulnerable bodies of frogs. Whose habitat we care for as the water level in the central step well rises and falls. This space is an offering to them, helping guard them against the severity of increasing drought lengths.

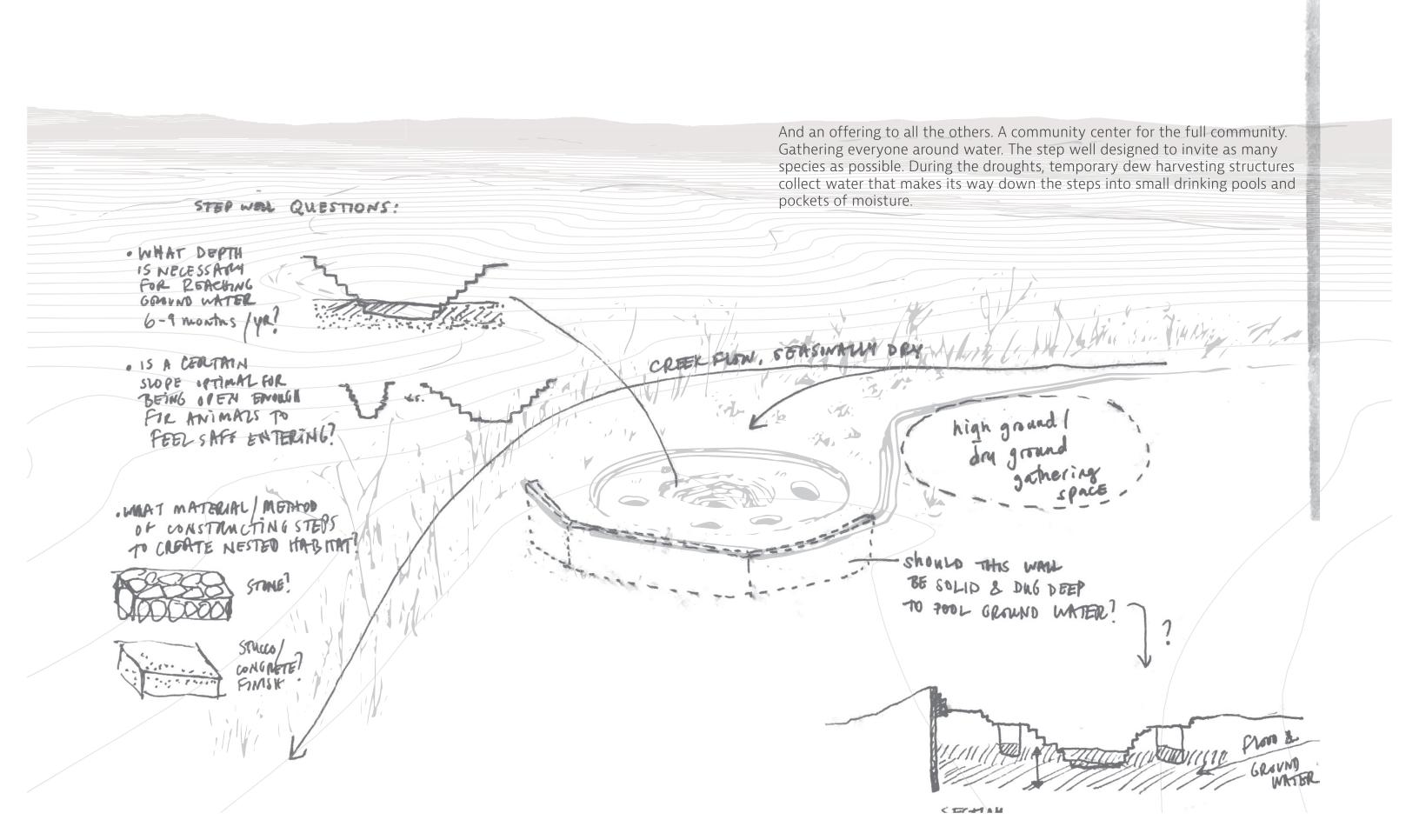


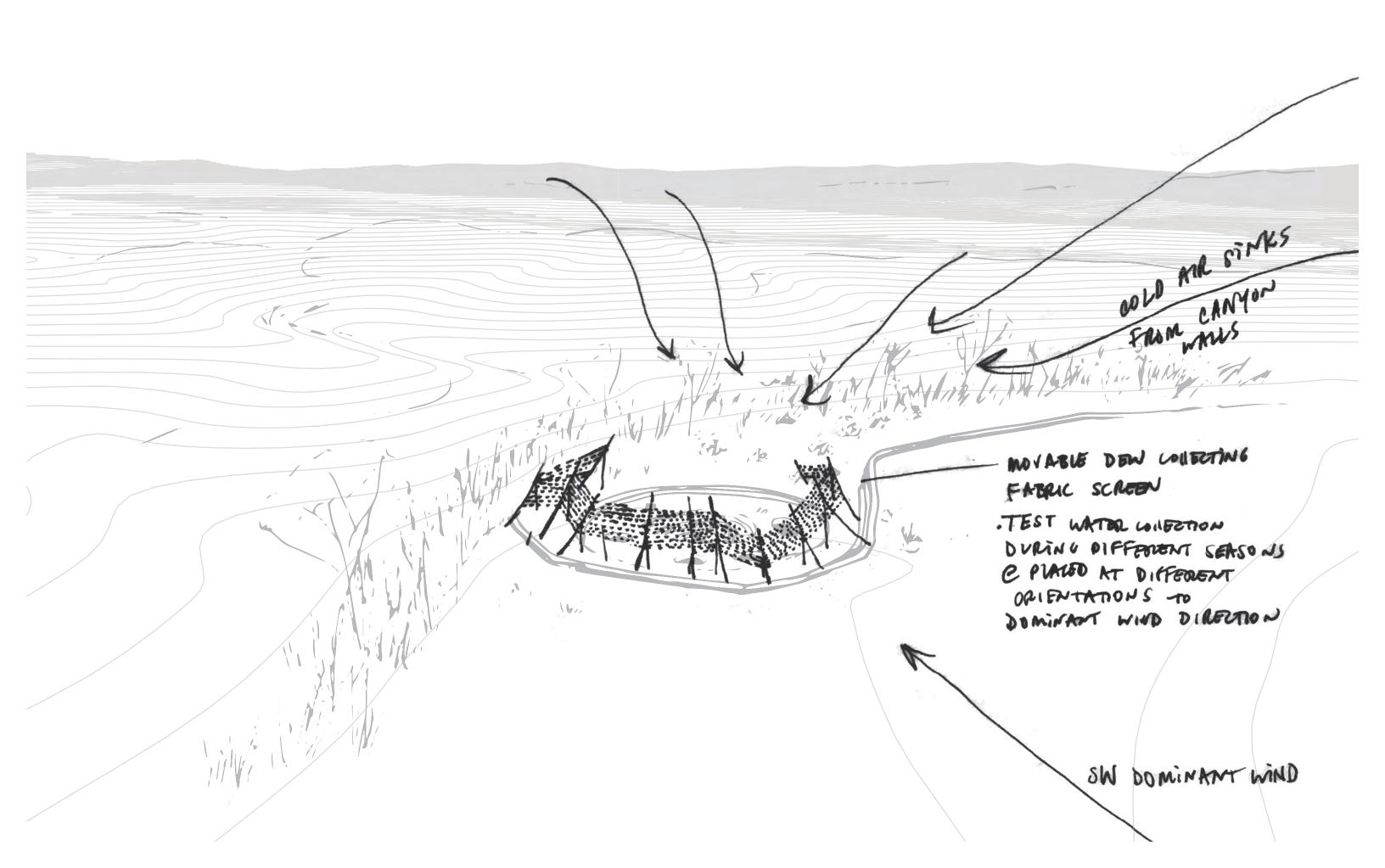








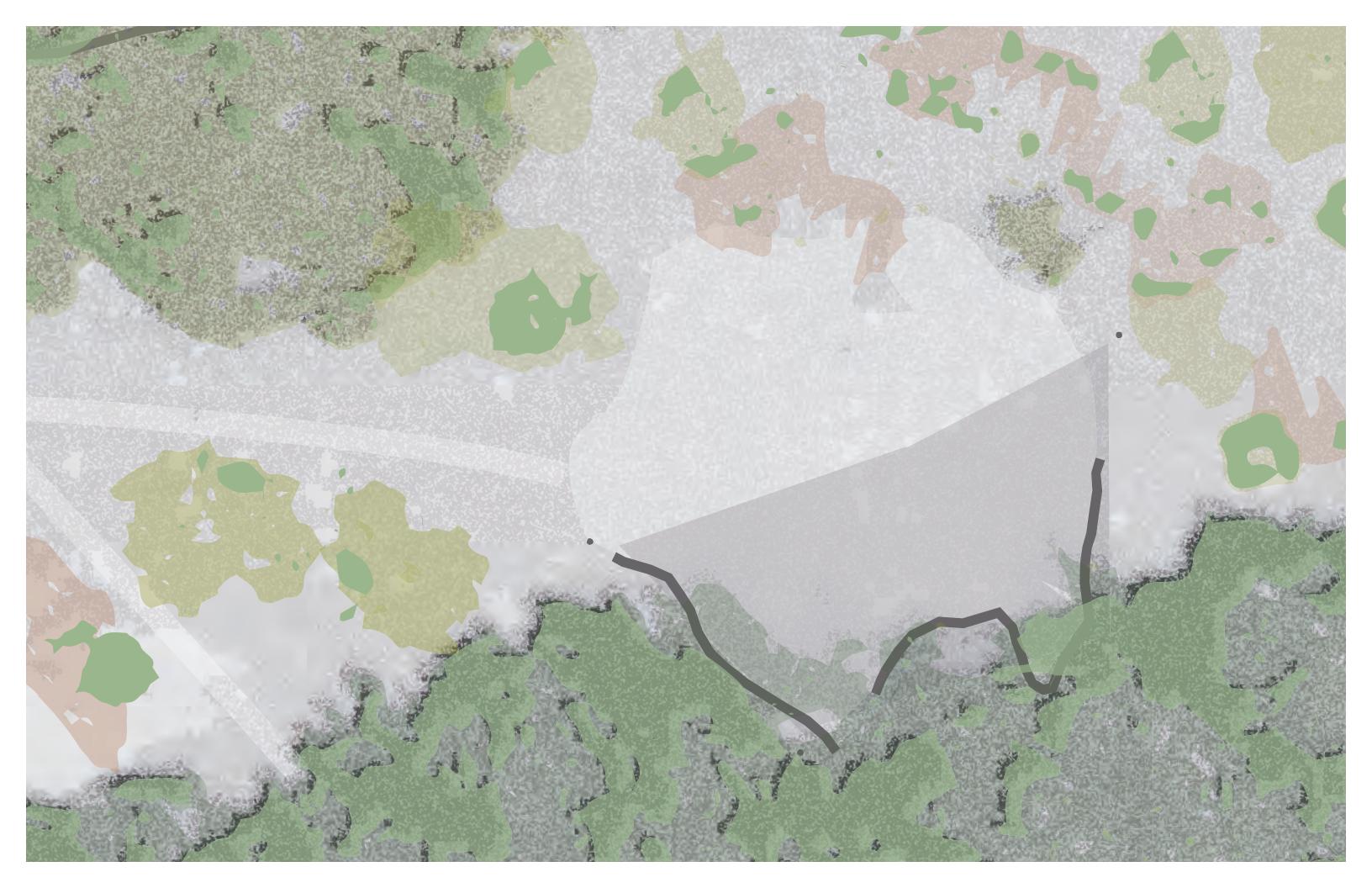


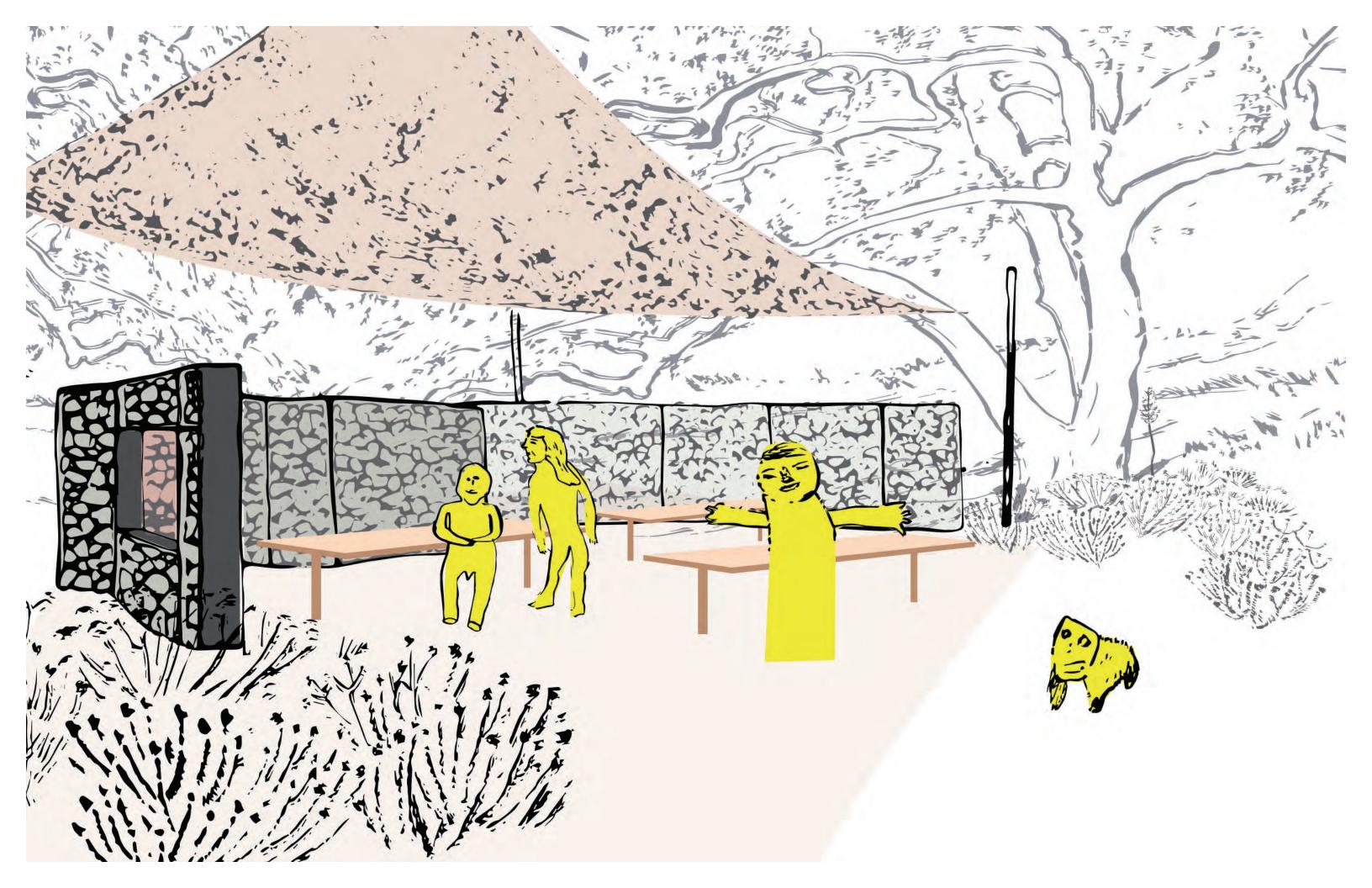


In the dry season, the baths are covered and return to working and gathering surfaces.

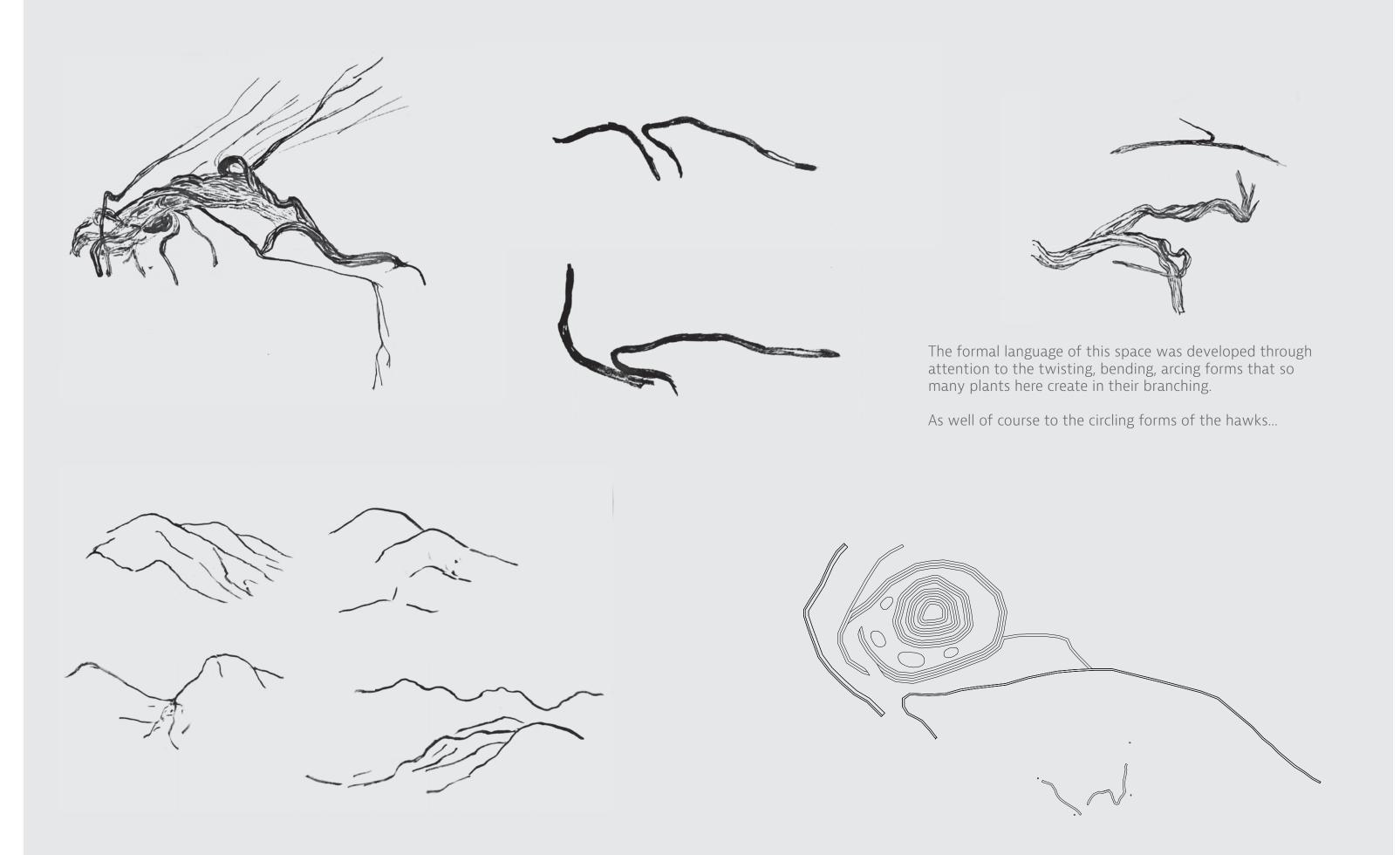


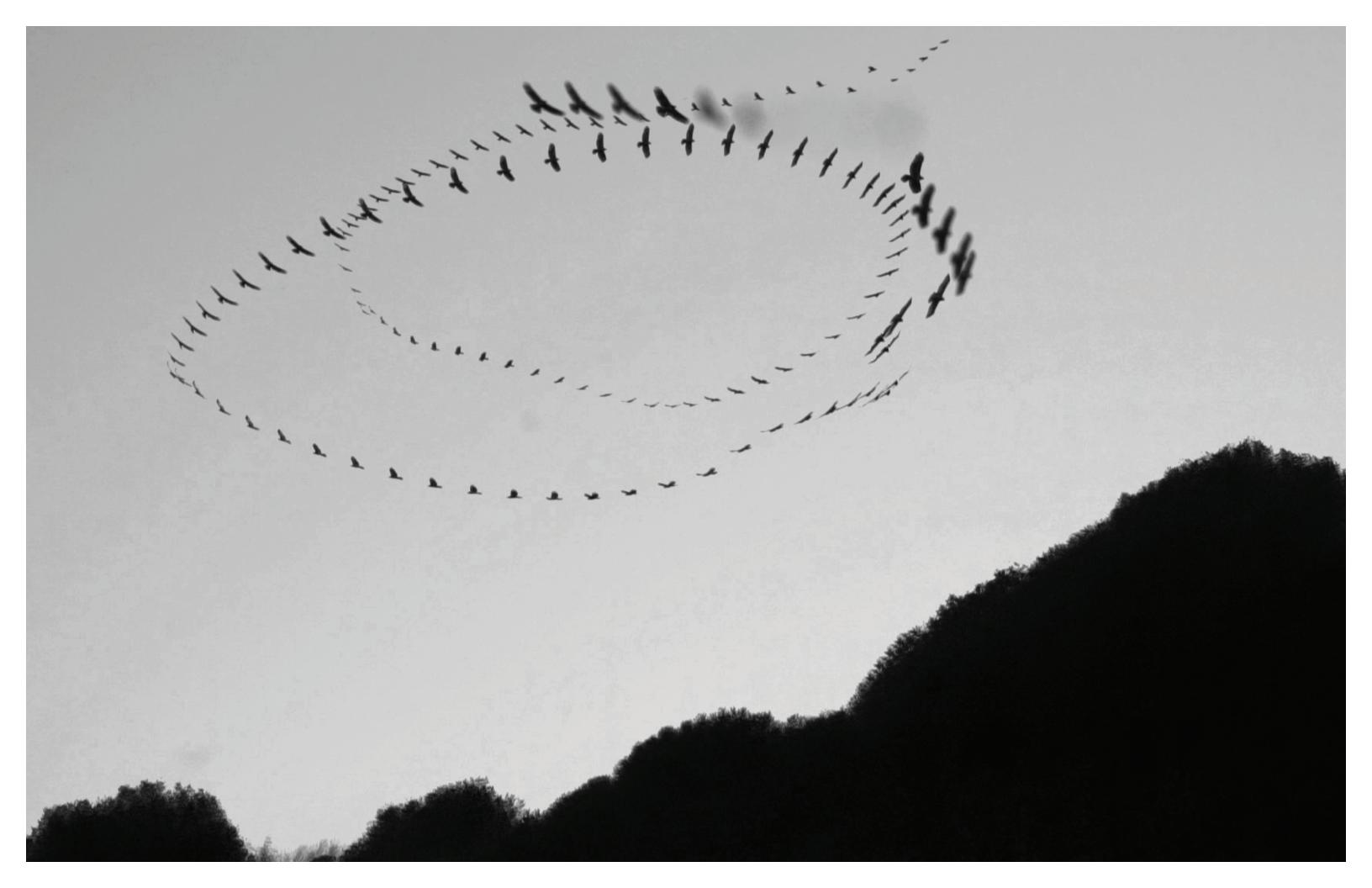












If my relationship with tree frogs has been about the hope embodied in centering care for the most vulnerable, I have to return now to my relationship with hawks to talk about how this space supports us in honoring grief and loss.



When I was 17, I was woken from sleep by a violent crash. I jumped out of bed and ran to the living room. The window was smashed through. A massive shadow was throwing itself against the wall. A redtail hawk. Desperate and stunned.







When deaths loom in my family, the hawks arrive. That's what my father believes, and he has many stories to tell. Stories of being visited by the dead and dying, hawks landing outside his windows, quietly carrying their messages. That time, it was my grandmother Berry, my father's mother, who just passed away.

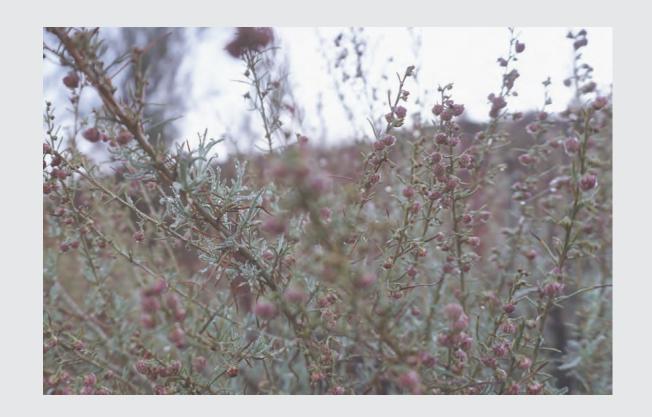
I bundled the bird in a blanket and carried us outside. Unwrapped, the hawk carefully turned to look at me, it's wings fully extended in a dappled massive array. We were silent like that for thirty minutes. A few feet apart. In the dark. Staring at each other, not looking away.

What spaces do we have in this society to gather and mourn?





Though this is a space that honors life though honoring water, it is also critically a space to sit quietly with death, loss, and the messages of those who are gone or are disappearing.



the land care collective, told through my relationship with

california sagebrush



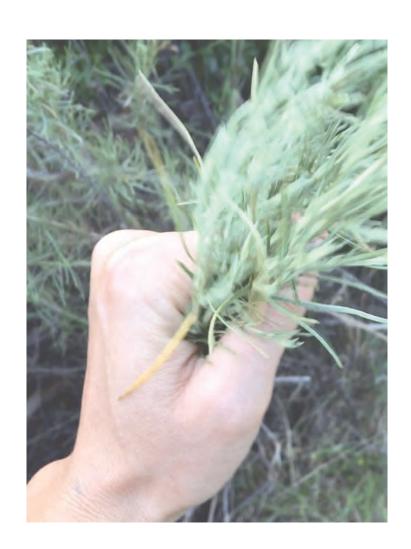


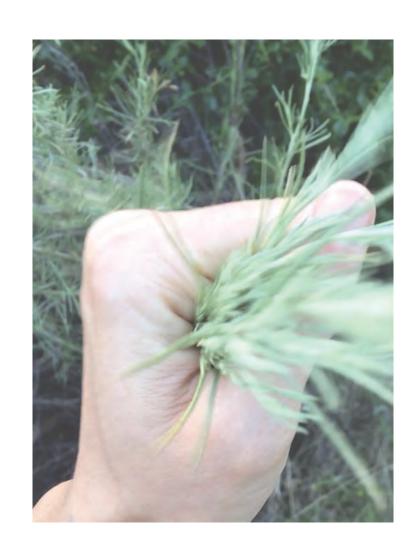


Sagebrush grounds me here. Distressed, I walk out into the mountains and brush along its soft leaves. It's scent musty, sweet and healing. For generations, it has been honored and used as a medicine by the Tongva and other tribal nations of this region.

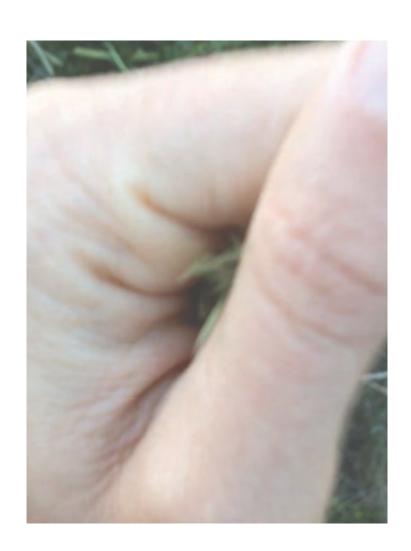










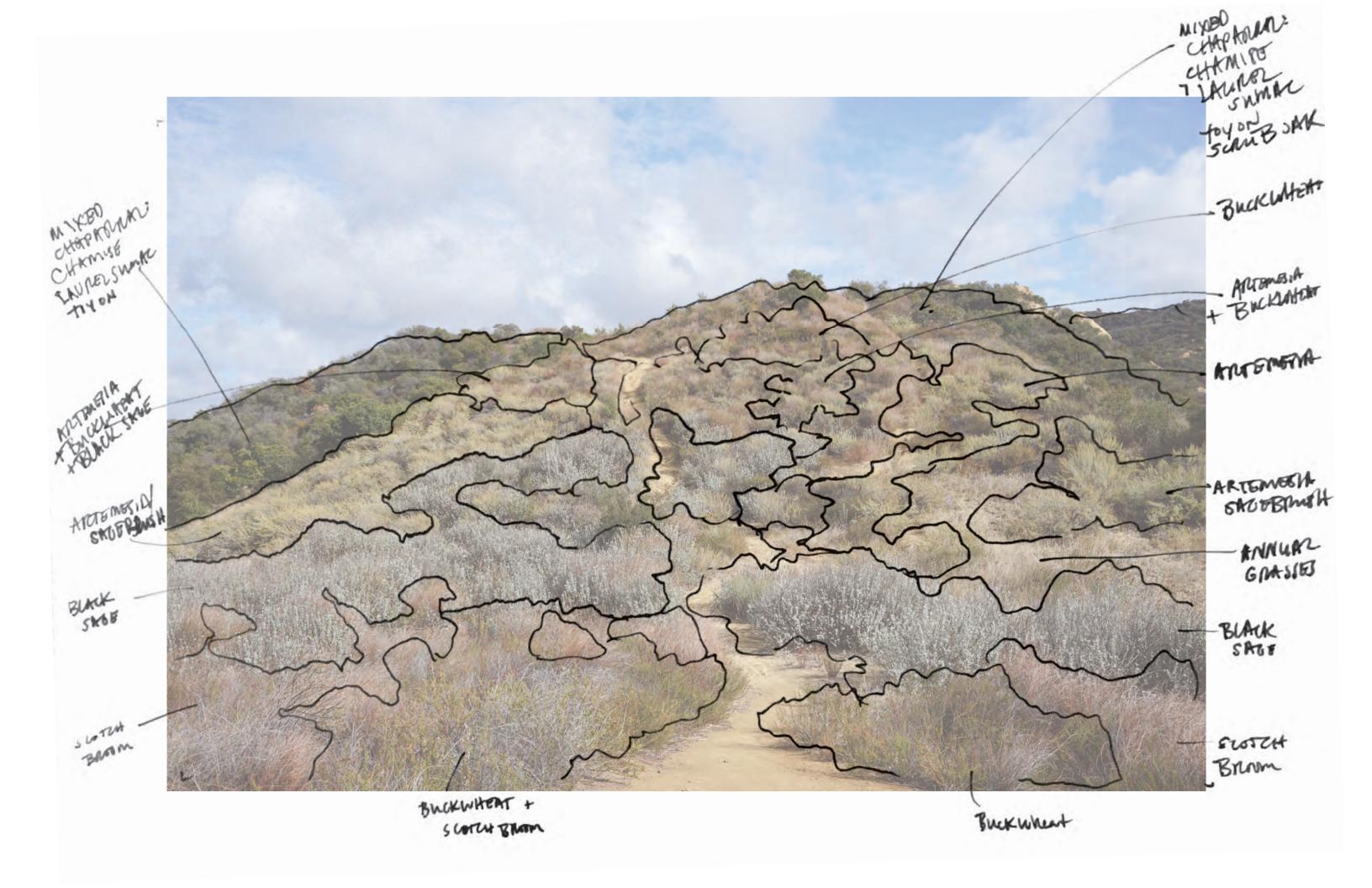






Sagebrush is a key species in this coastal sage and mixed chaparral habitat, supporting many nearly exterminated species in their dense woody underworlds.

Plants are the backbone of the riot of life that unfolds here. They have evolved brilliant survival strategies over thousands of years: crown sprouting after fire, able to survive a whole year on the amount of water we use in a single day. Yet, we're witnessing both slow drawn-out disappearances, like the sages slowing dying away from the nitrogen falling from emissions, and rapid ones, such as what happened with Laurel sumac in the early 2020's, where a fungal pathogen left thousands of dead sumacs turning the hills brown in the span of a few years.





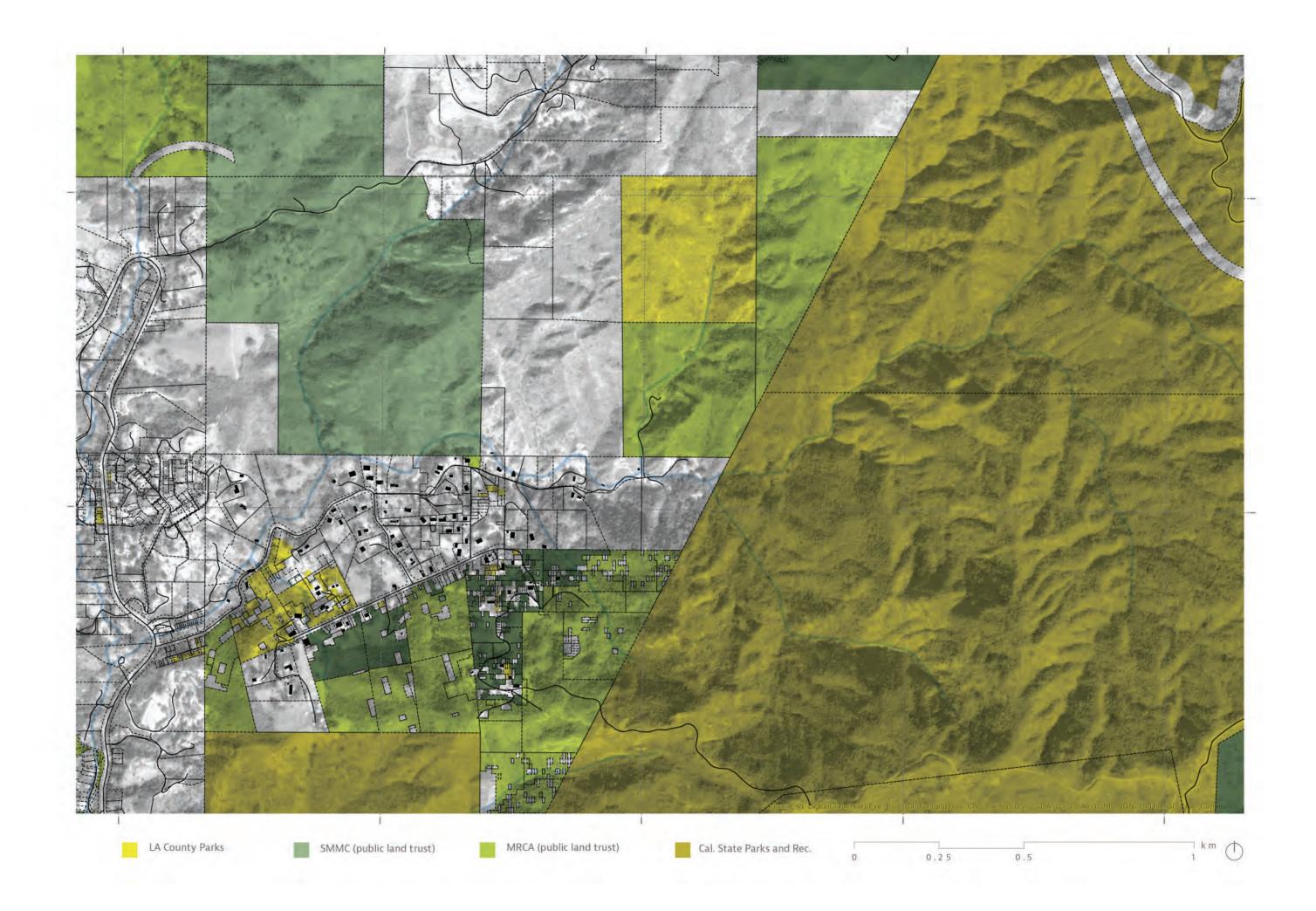
Since the early days, this question has been a central to the school, giving rise to the land care collective.

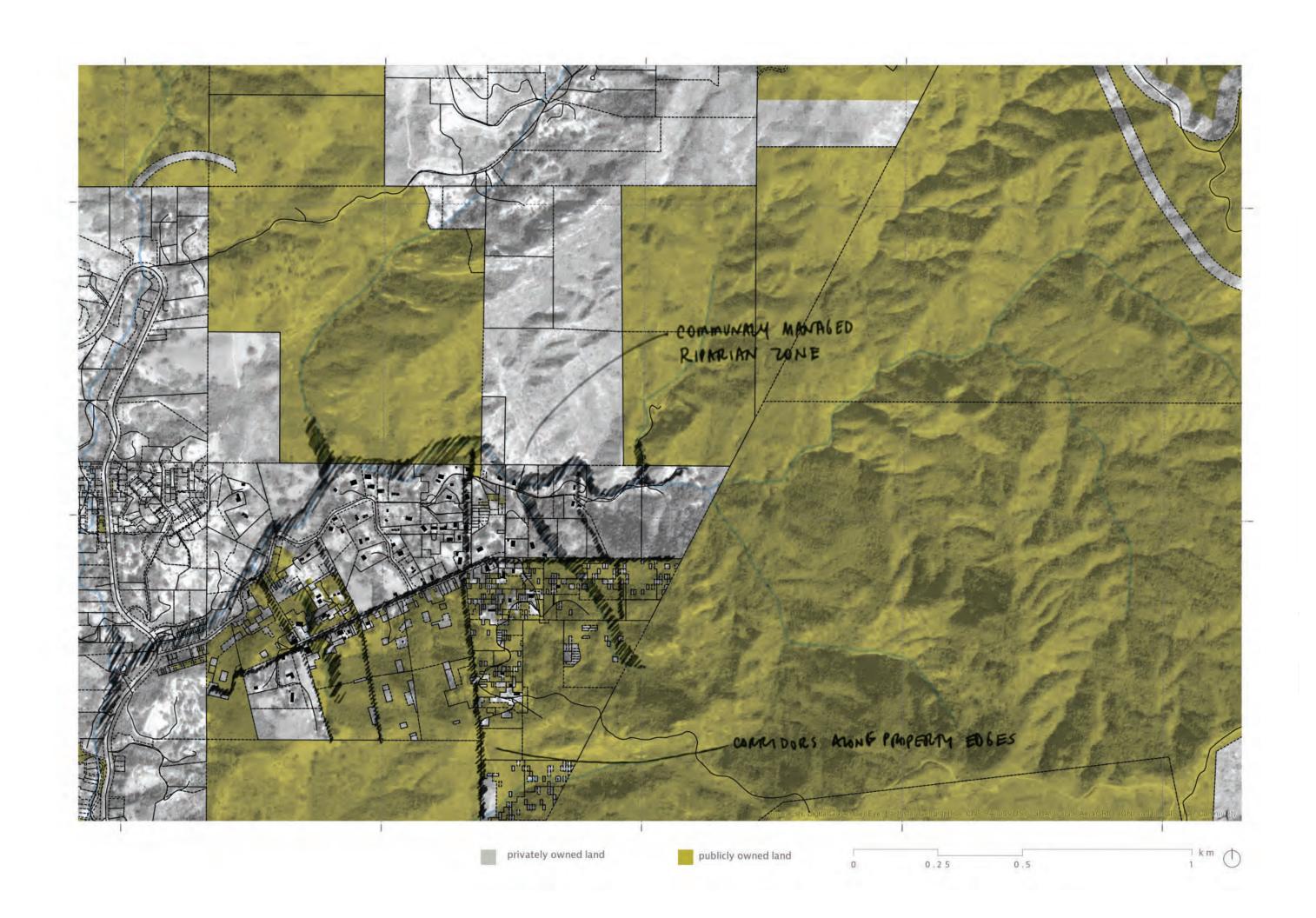
The Garapito creek community school is the home of the land care collective.

Anyone in the neighborhood and all landscape professionals who are employed here are invited to join the meetings. We bring in experts and partner with scientists as well as people with lived knowledge and/ or ancestral knowledge of how to care for the land. Land management used to be fragmented along property lines, with no conversation between private owners and the large public land agencies that surround the neighborhood, with many people feeling overwhelmed by their properties, and unable to respond to either the slow or rapid disappearances unfolding. Now, together, through conversation, research, and experimentation, we coordinate collective land management practices to amplify our capacity to respond.



garapito creek land care collective











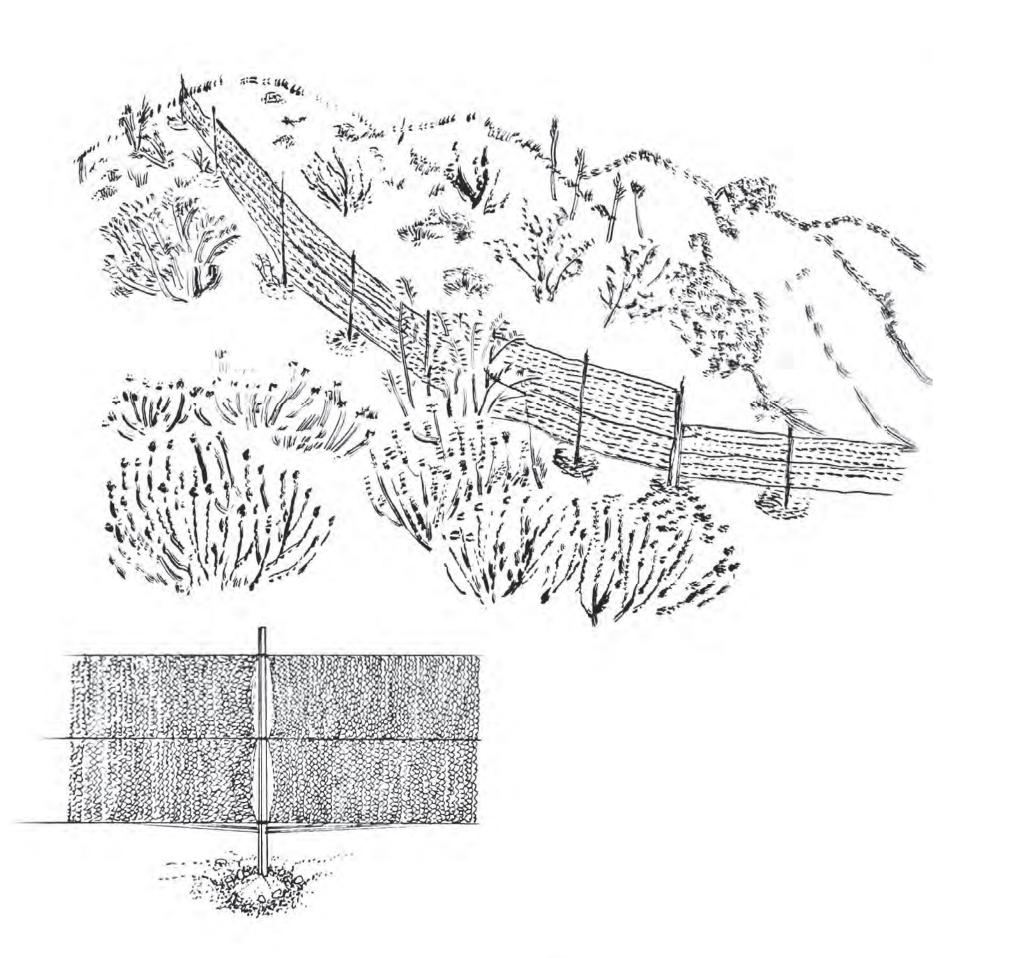


Practices have included:

Changing our fencing patterns to create wildlife corridors along the riparian zone and property lines. Planting to support particular insect populations. Planting edible species as food forests where invasive mustards have become dominant.

Testing the grazing patterns of different animals to manage the fuel load for fire safety but support a thriving rhizosphere. Using dew capturing fabric along the temporary grazing fences to offer water during droughts.

And perhaps most critically, collecting and propagating seeds from individual plants found to be more resistant to the onslaught of pathogens, and the stresses of higher temperatures, drought lengths, nitrogen levels, and increased fire frequency.

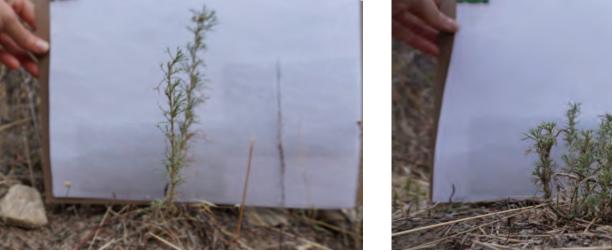






garapito creek land care collective











garapito creek land care collective





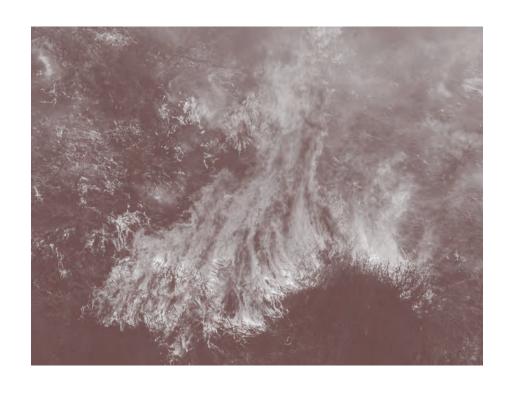




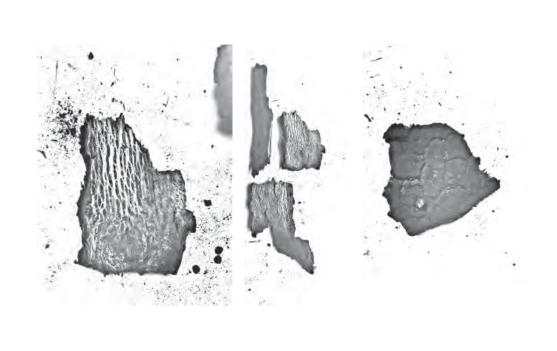




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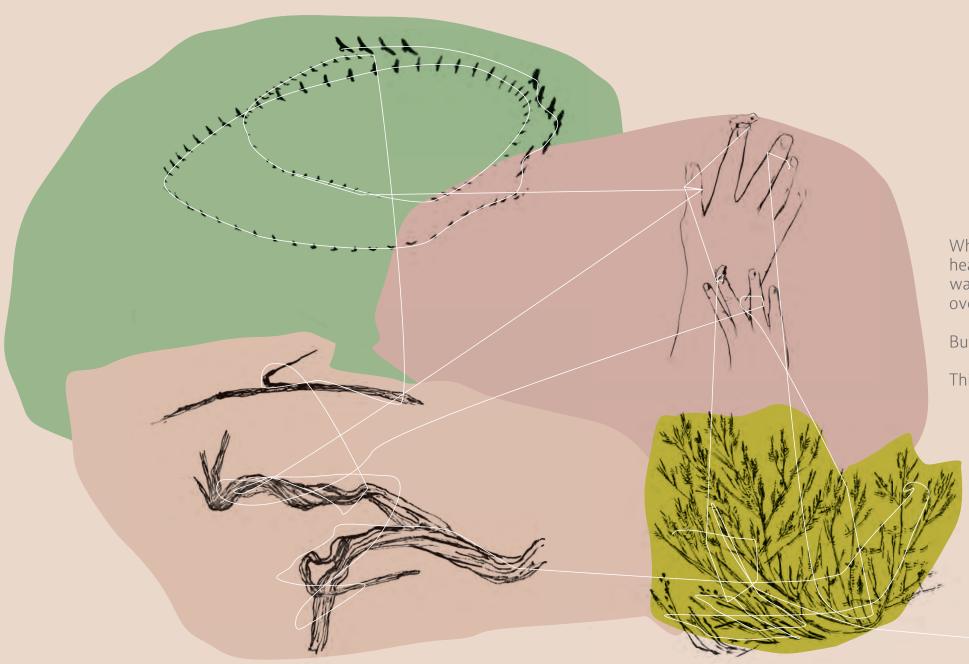








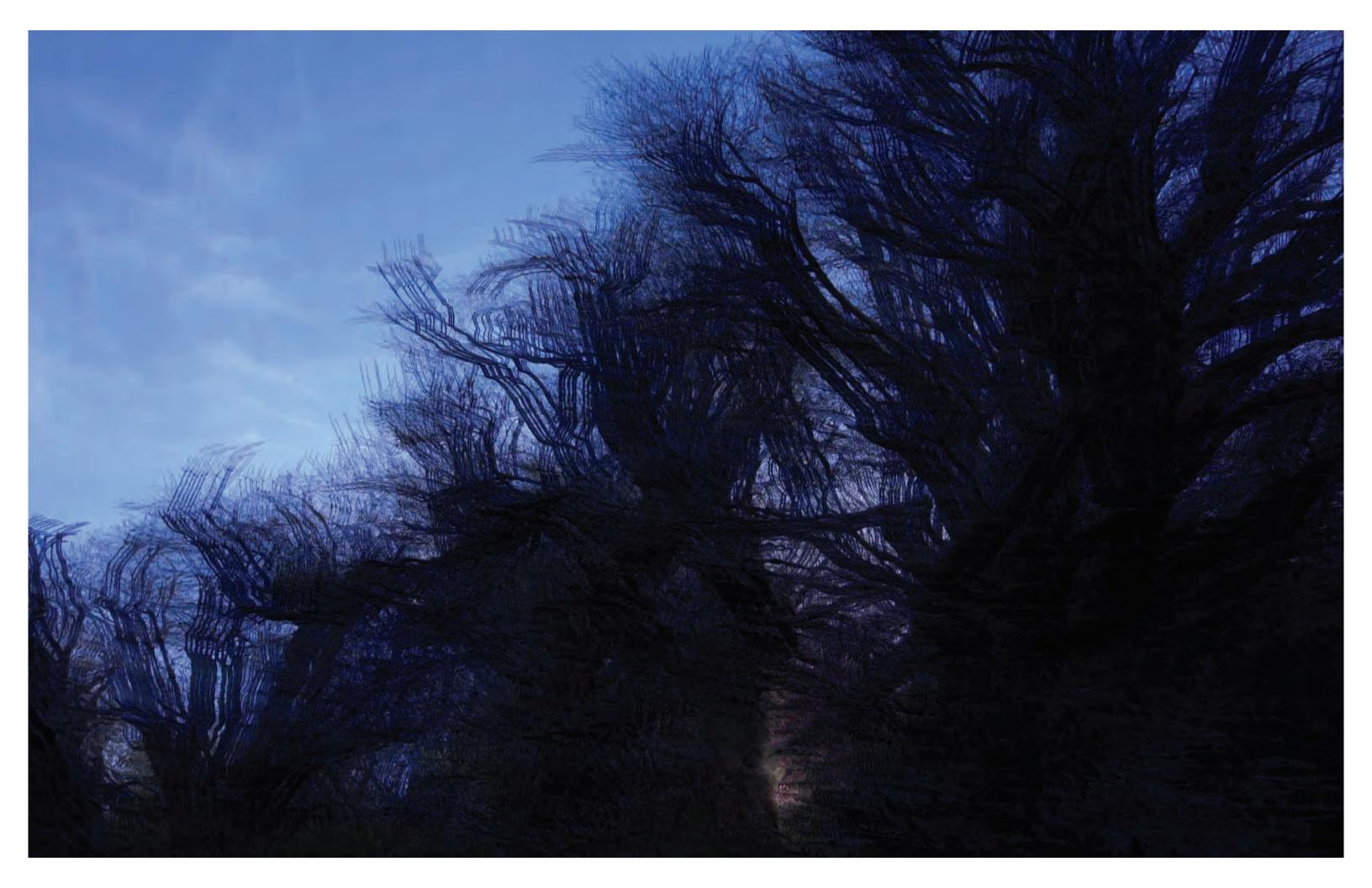
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What does it mean to be a community member re-entangled with the health of the larger community of beings? Personally, I think it means waking up and listening, even if it makes us vulnerable to the pain of overwhelming change and loss.

But this is an ongoing conversation.

This is life work, generational work.



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