

Support Ridgefield National Wildlife Refuge

Community Nature Center

Engage underserved communities, reduce barriers to visitation, support accessibility, provide environmental and cultural education, and more.

Interpretive Displays

\$780k
total

Furniture

(including volunteer areas, ADA changing tables, and private sensory/nursing rooms)

Nature Play Outdoor Area

\$200k
total

Gravel

for paths and trails

\$210k
total

Landscaping

\$350k
total

Boardwalk

\$245k
total

Bike Parking

\$50k
total

Irrigation

\$65k
total

Ampitheater

\$319k
total

See pg #'s 3 & 4...

Support Ridgefield National Wildlife Refuge

Engage underserved communities, spread the message of the Refuge and nature, and more.

Bus Funding
\$2.5k
per 2 buses

Speaker Honorariums
\$500 - \$800
each

Food for Community Events
\$1k+
per event

Auto Tour Audio Tour Updates
\$7.5k

Sponsor BirdFest & Bluegrass

Volunteer Support
\$10k

High Tunnel & Habitat Support
\$20k

Promote the Refuge and Nature
\$7.5k

Help us advocate for resources
\$15k

See pg #'s 5 & 6...

Community Nature Center

Interpretive Displays

- Interactive entranceway life-sized Native tree
- Interactive Seasonal Exhibits
- Topographical Refuge Maps
- Touchscreen displays
- Visitor Story Booth
- Backyard habitat ed
- Rock and tree displays specifically for climbing
- and more! - *[appendix A](#)

Furniture

- Volunteer Break Room
- Friends Gift Shop
- Private areas for nursing mothers, or as a sensory area for students.
- ADA changing tables
- ADA chairs and tables
- Benches
- Desks
- Couches
- Power Stations
- Track Lighting
- and more - *[appendix A](#)

Gravel

- Oaks-to-Wetlands Trail
- Carty Lake Trail
- Parking lot connector trails
- visitor paths
- Auto Tour
- Parking Lots
- Kiwa Trail

Nature Play Area

As the metro-area children begin to explore outdoors, this area takes them from familiar playground to a comfortable place to explore nature. This gives families a place to sit and play before entering the refuge proper, and gives young children a chance to touch and engage without damaging habitats or possibly disturbing wildlife.

Features can include:

- native plants
- areas where people of all abilities can interact with nature
- benches for rest
- play items for children to climb that resemble our native wildlife, plants, and trees.
- flat, accessible paths
- Possible design renderings: [appendix A](#)

Community Nature Center

Boardwalk

Help people of all abilities cross over the wet area from the parking lot to the Nature Center, or to enter the Refuge's Carty Unit.

Designed for all weather situations

Landscaping

Purchase native plants to be planted around the new Community Nature Center building. These plants serve to support environmental education interpretation as well as erosion control and wildlife feeding and habitat.

Irrigation

Even with volunteers and all the rain we get, all these new plants will need a lot of watering to survive. An irrigation system can help supply the water they need every day.

Ampitheater

- A covered outdoor space filled with built-in seating suitable for all-weather outdoor learning, wildlife observation, and presentations.
- Designed to blend with the landscape while also serving to provide protection from all of the elements.
- Perfect for interpretation, awards, events, lunch,
- and more! - *appendix A

Bike Parking

A small covered bike rack area will help to discourage people from riding their bikes into the Refuge, but still encourages bike riders to visit and enjoy.

Friends of Ridgefield National Wildlife Refuge

Bus Funding

To bring students and underserved communities to the Refuge means chartering bussing.

Most companies charge approx. \$2.5k per two buses, equalling about two classrooms worth of students and adults.

Food for Community Events

Events where lunch or a snack would be welcome can include:

- Dia de los Ninos
- Duck Stamp Contest judging
- Volunteer events and enrichment
- Culturally-specific community events on the Refuge
- Youth Work Crew and Intern Appreciation lunches
- Friends Annual Member & Volunteer Appreciation Meeting

Speaker Honorariums

- Funding to honor Tribal partner's time when presenting
- Topic-specific walks and presentations for public events
- Artist in Residency
- Teacher Trainings
- Nature Nights
- Volunteer Enrichment events
- Cultural workshops
- In-Classroom presentations

Auto Tour Audio Tour Update

Video Production Project & Guided Tour Translation

- 2-3 minute bi-lingual (English/Spanish), community focused video introducing & highlighting the 4 refuges
- translate and record sound bites for the 14 stops along the 4-mile driving loop

Friends of Ridgefield National Wildlife Refuge

High Tunnel & Habitat

Ricefield Bulrush, a class A Noxious Weed fought in every aspect of work at the Refuge, came here through contaminated nursery stock. **To avoid another similar disaster**, Refuge staff and volunteers work to **propagate plants** in the **High Tunnel**. Then those plants must be **planted, tended, and protected** by searching down and removing invasives like Ricefield Bulrush. That can include the work hours, supplies needed, and contractors paid.

Advocate for Resources

A lot of the things listed here can be donated by **local businesses** and **our community**, but we need time and resources to **connect** with those **business owners**, and **local municipalities**, as well as finding and asking for **federal opportunities**.

Promote Refuge & Nature

Not everyone is able to come to our **Refuge**, or even go outdoors and **exerience nature**. We work to create and distribute **social media** and **online content** that engages people, drawing **new audiences** to **appreciate and understand refuges**, and how nature benfits us all.

Sponsor BirdFest & Bluegrass

Support the many events and moving parts that make BirdFest & Bluegrass an inclusive environmental education event that brings new audiences to appreciate and love the Refuge.

Funds can be used for food for groups like BirdFest's Spanish-Language Tour families, outreach, advertising, merch, prizes, activities, and more.

*appendix B

Volunteer Support

Volunteers are invaluable to us in all we do.

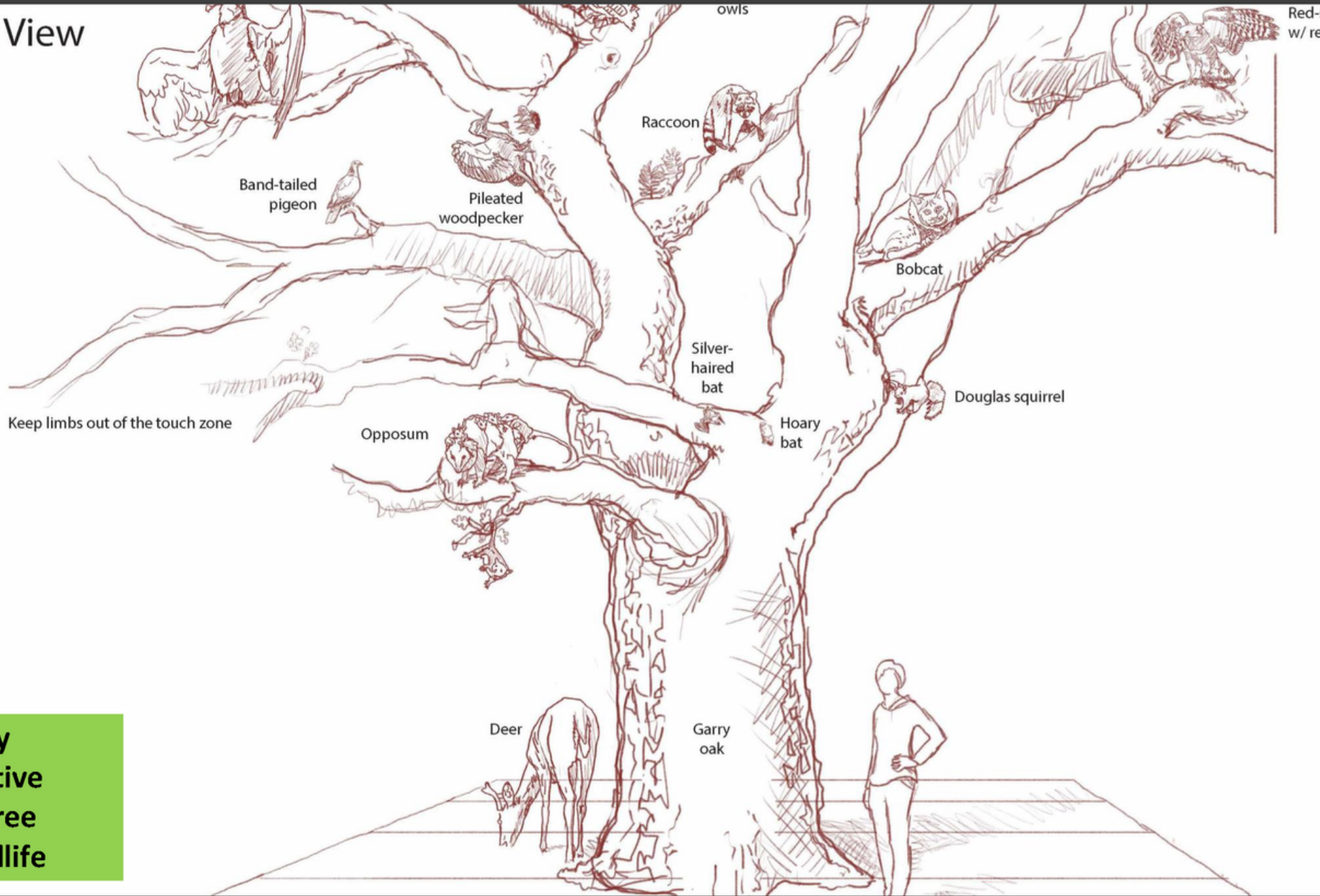
Funds are used to **manage, support,** and **cultivate** volunteers. That includes celebrating, feeding, clothing (like rain gear and boots), **training, enriching, and growing** the volunteers who work hard to care for this space, engage with students and the community, and more.





Entryway
Interpretive
Native Tree
and Wildlife

Entry View

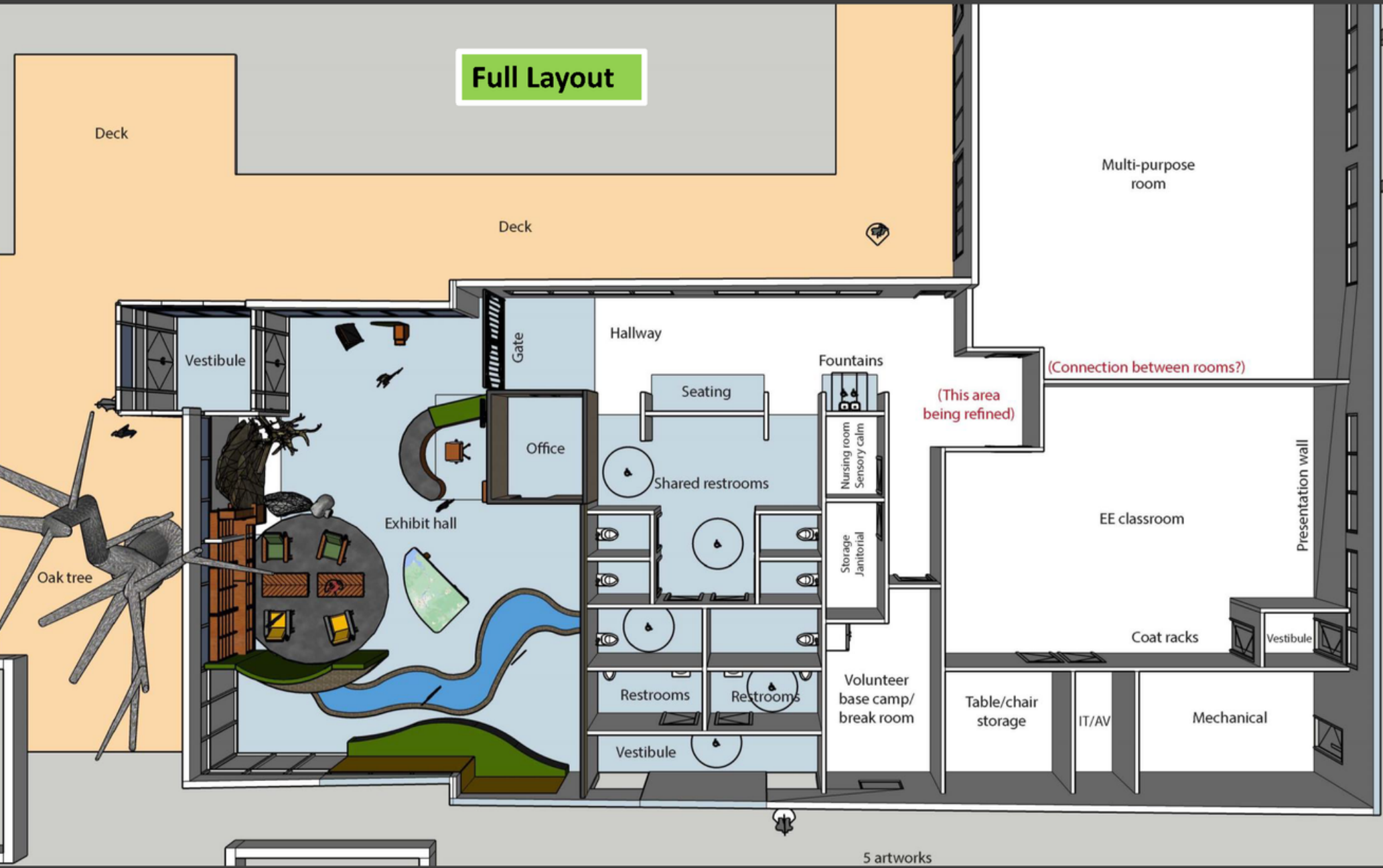


Entryway
Interpretive
Native Tree
and Wildlife



Multi-purpose Community Room



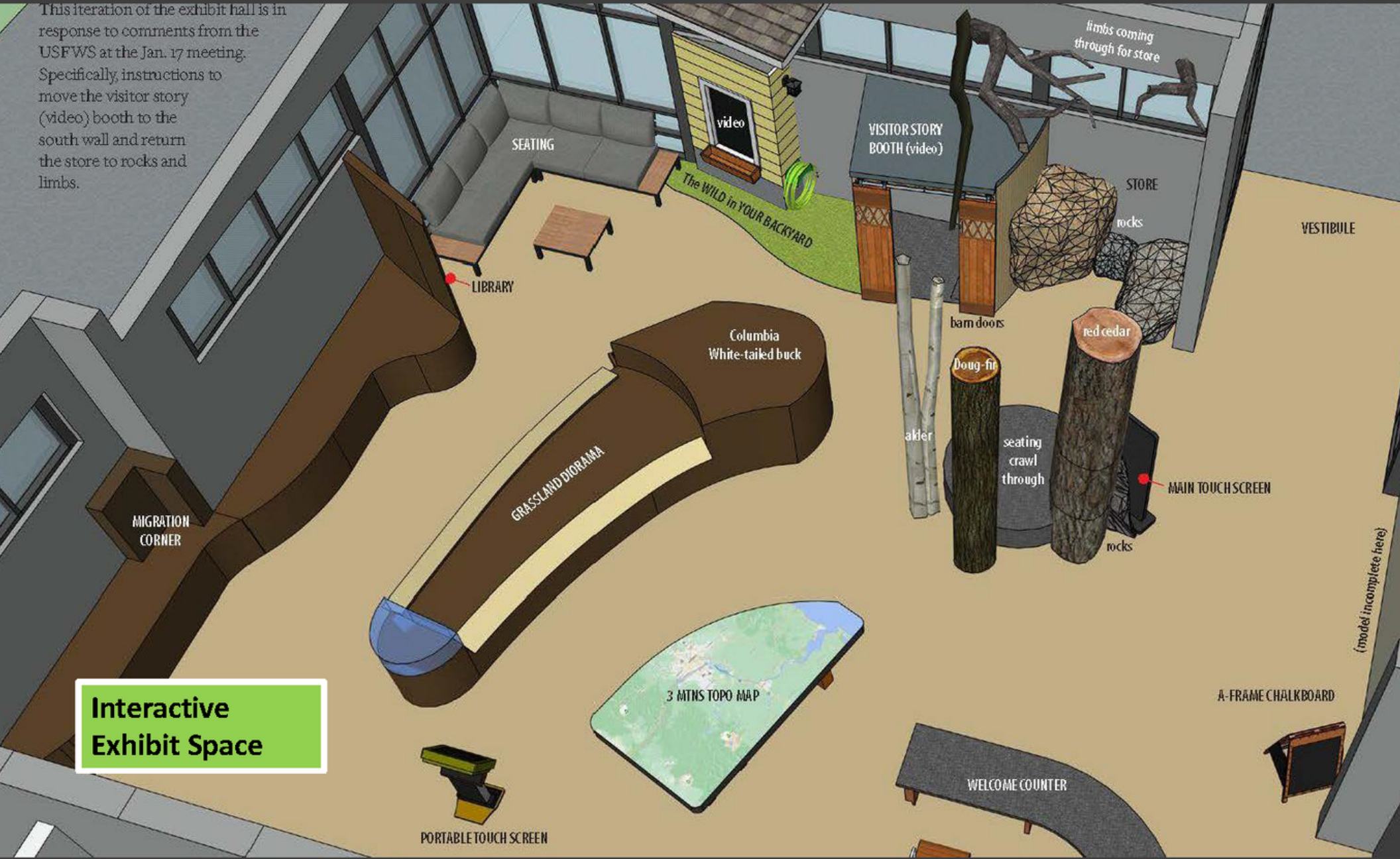




Community Classroom
and Wet Lab



This iteration of the exhibit hall is in response to comments from the USFWS at the Jan. 17 meeting. Specifically, instructions to move the visitor story (video) booth to the south wall and return the store to rocks and limbs.



Interactive Exhibit Space

(model incomplete here)

Window Seating Explained

Indoor ADA Seating Area (Currently not available for the public)



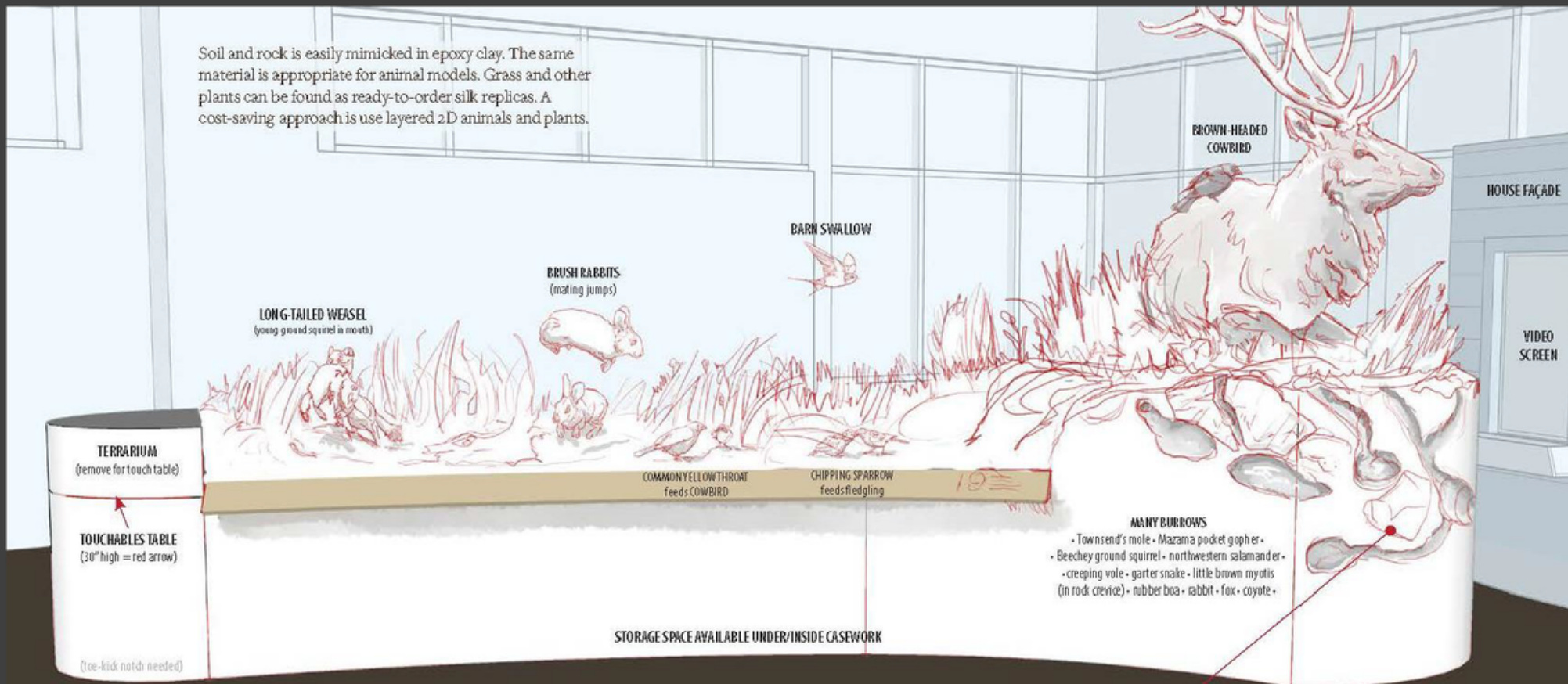
◀ This is actual patio furniture from a catalog posted as a model on SketchUp. I wonder if we can move the seats outward and make the center junction point a table? There is a 4-foot long bench across from the freestanding square table. Six people can comfortably sit in this corner of the exhibit hall.

▼ Below is the seating. This is a rack for literature. Backyard Wildlife Society could be the provider. Birds with books. Count.

Or, this niche

End Wall, left of seating





Soil and rock is easily mimicked in epoxy clay. The same material is appropriate for animal models. Grass and other plants can be found as ready-to-order silk replicas. A cost-saving approach is use layered 2D animals and plants.

LONG-TAILED WEASEL
(young ground squirrel in mouth)

BRUSH RABBITS
(mating jumps)

BARN SWALLOW

BROWN-HEADED COWBIRD

HOUSE FAÇADE

VIDEO SCREEN

COMMON YELLOWTHROAT
feeds COWBIRD

CHIPPING SPARROW
feeds fledgling

MANY BURROWS
• Townsend's mole • Mazama pocket gopher •
• Beechey ground squirrel • northwestern salamander •
• creeping vole • garter snake • little brown myotis
(in rock crevice) • rubber boa • rabbit • fox • coyote •

STORAGE SPACE AVAILABLE UNDER/INSIDE CASEWORK

TERRARIUM
(remove for touch table)

TOUCHABLES TABLE
(30" high = red arrow)

(toe-kick notch needed)

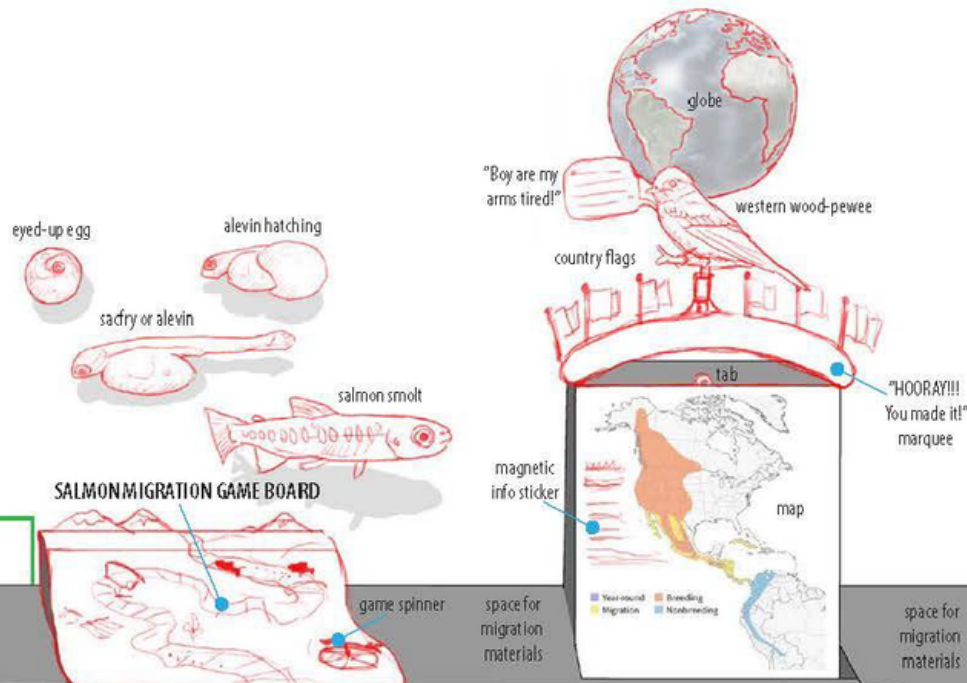
Q: Floor electric outlet? Yes. It would help with lights for burrows and the proposed terrarium — lights for herps.

BURROWS: Pushing a button lights up the burrow to show what's going on in there. It lights up the text at the same time. NESTS will be the parallel object found in the above-ground portion of the diorama.

Fully touchable exhibits, designed to meet ADA, sensory, deaf, and blind audiences with equal opportunity to engage.

Migration/Salmon/Et al.

Is it too much to have two games in the exhibit space. (The vole tunnel game will be a pinball or bagatelle board.) The last bit of space can be used for management stories: tagging/tracking, or counting, agriculture for wildlife, invasive species control efforts. The decisions made on the other end of this wall will likely affect how this last bit of real estate is used.



THE LAST EXHIBIT SPACE TO BE DEFINED (~5 feet)

SALMON MIGRATION GAME BOARD

game spinner

magnetic info sticker
space for migration materials

tab

map

"HOORAY!!!
You made it!"
marquee

space for migration materials

FOREST to WETLAND

Exhibits focused on wildlife and human migration, showing we all come from somewhere but cross paths on Refuge.

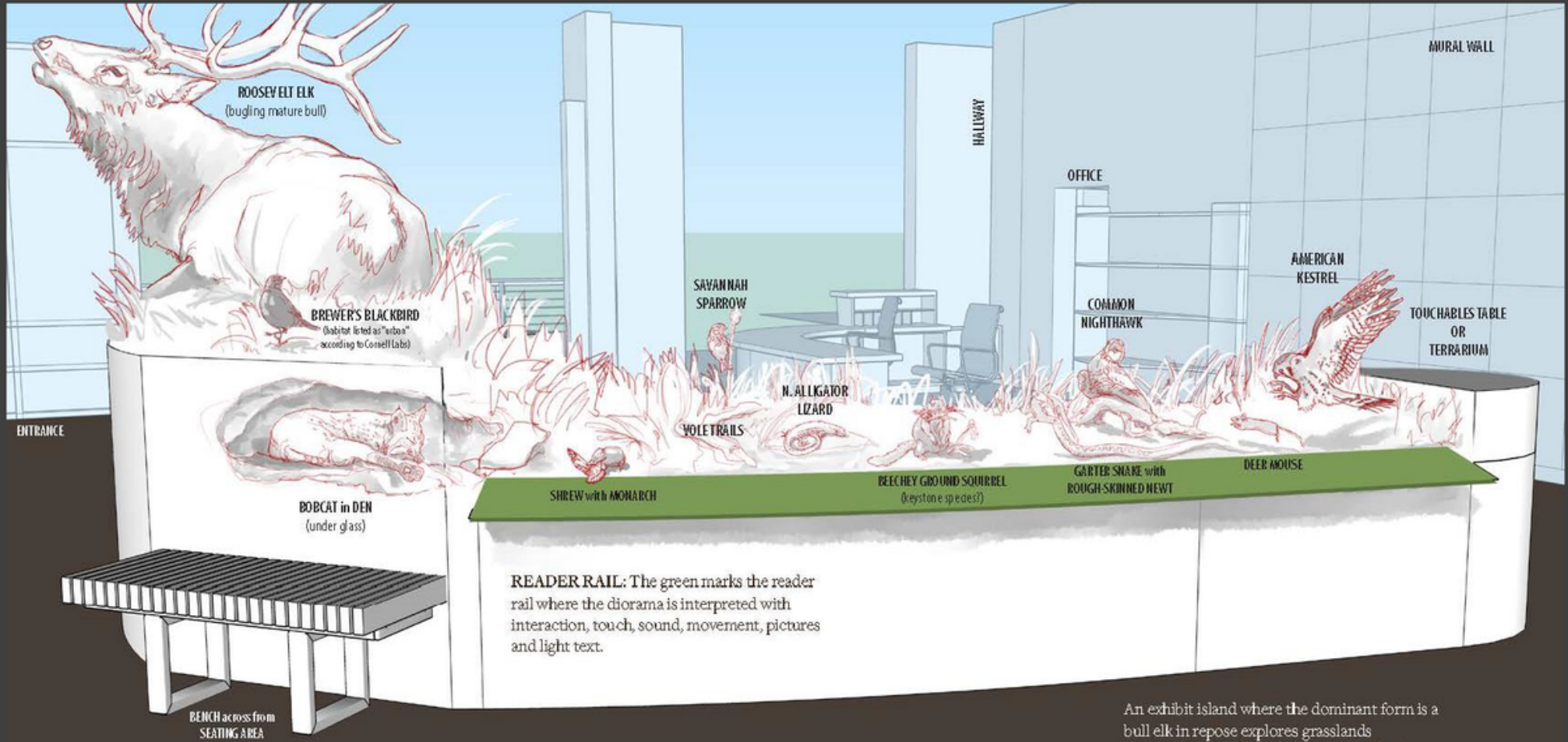


The discussion of salmon is the perfect opportunity to introduce Native People's use and language surrounding this dominant resource.

BUILD YOUR OWN MIGRATION EXHIBIT

The visitor lifts a migration map out of the file, hangs it on the tab, then matches this to an animal in the racks (using a mini version of the map on the back of the creature). Next, the visitor grabs all the flags of each country associated with the species migration map and places them into the marquee holder. Lastly, a funny quip in Spanish, Portuguese, Russian or English (Dutch?) is placed into the animal figure. When assembled, a speaker erupts in applause and fireworks project on the wall behind the globe.

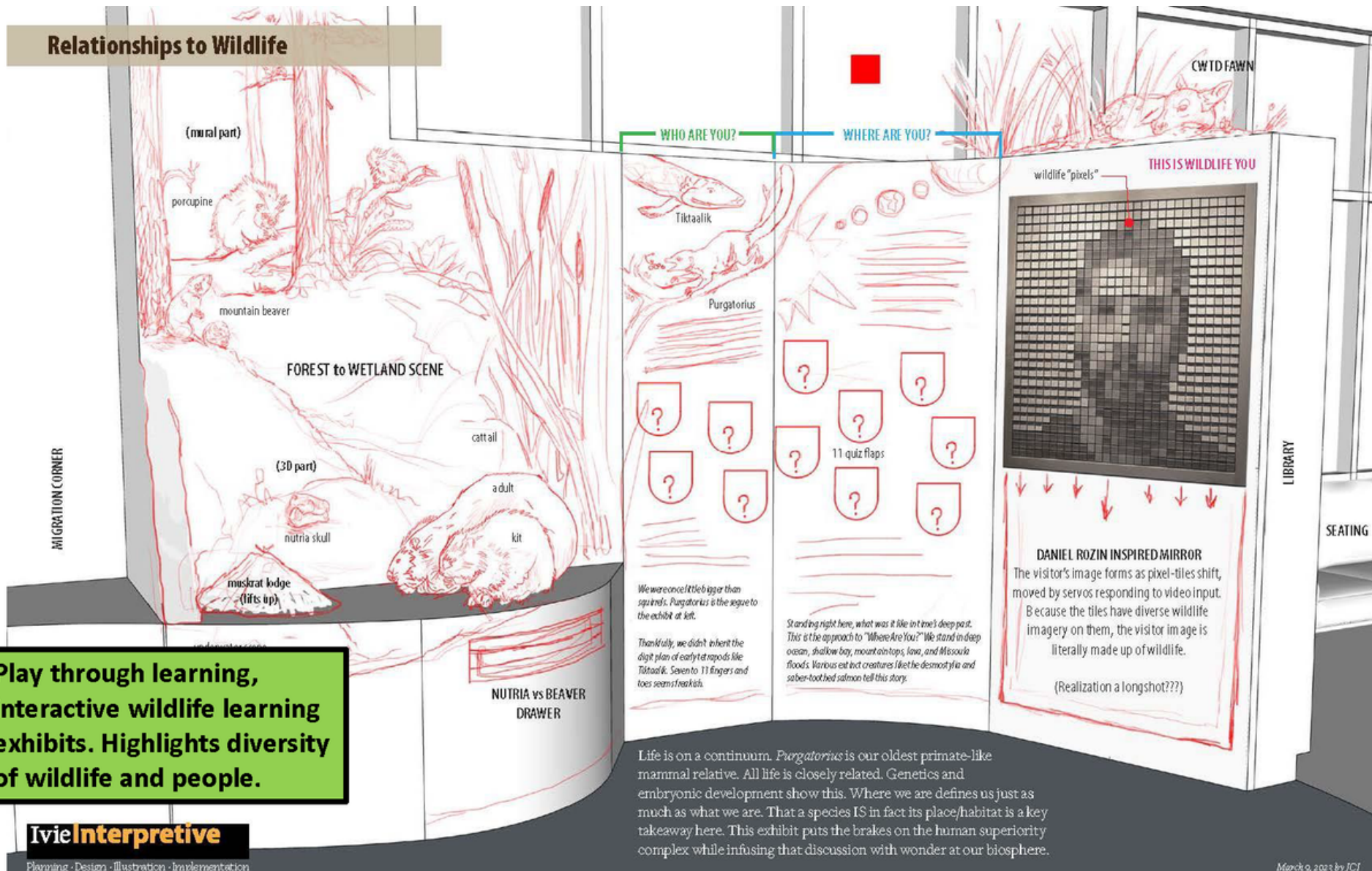
MIGRATION CORNER



READER RAIL: The green marks the reader rail where the diorama is interpreted with interaction, touch, sound, movement, pictures and light text.

An exhibit island where the dominant form is a bull elk in repose explores grasslands (savannah) and the little happenings that buzz along unbeknownst to most people passing through it. Fun facts, the latest science, making the tiny large — are some of the approaches utilized here.

Relationships to Wildlife



Play through learning, interactive wildlife learning exhibits. Highlights diversity of wildlife and people.

Ivie Interpretive

Planning • Design • Illustration • Implementation

We were once little bigger than squirrels. *Purgatorius* is the ancestor to the exhibit at left.

Thankfully, we didn't inherit the digit plan of early tetrapods like *Tiktaalik*. Seven to 11 fingers and toes seem streakish.

Standing right here, what was it like in one's deep past. This is the approach to "Where Are You?" We stand in deep ocean, shallow bay, mountain tops, low, and Missoula floods. Various extinct creatures like the desmostylia and saber-toothed salmon tell this story.

Life is on a continuum. *Purgatorius* is our oldest primate-like mammal relative. All life is closely related. Genetics and embryonic development show this. Where we are defines us just as much as what we are. That a species IS in fact its place/habitat is a key takeaway here. This exhibit puts the brakes on the human superiority complex while infusing that discussion with wonder at our biosphere.

March 9, 2023 by JCI

Management to Beaver (rodent) Focus

FOREST to WETLAND SCENE

NUTRIA vs BEAVER DRAWER

"CONTRASTING 'BEAVERS': Mountain beaver are unique as the only remaining species in their once diverse genus—which includes horned gophers. INWIRC is in the heart of their range. A former INWR manager told me about the need to control mountain beaver in order to maintain the forest. This is a perfect example of a species not likely to ever be seen, but the visitor will be enriched knowing more about it. It is not on the INWIRC wildlife list."

HOORAY BEAVER!
(optional ready-made materials)

Rodent pelts and skulls could go on this panel instead of posters.

CWTD FAWN

8 DIORAMA SCENES
(management, habitat or both)

LIBRARY

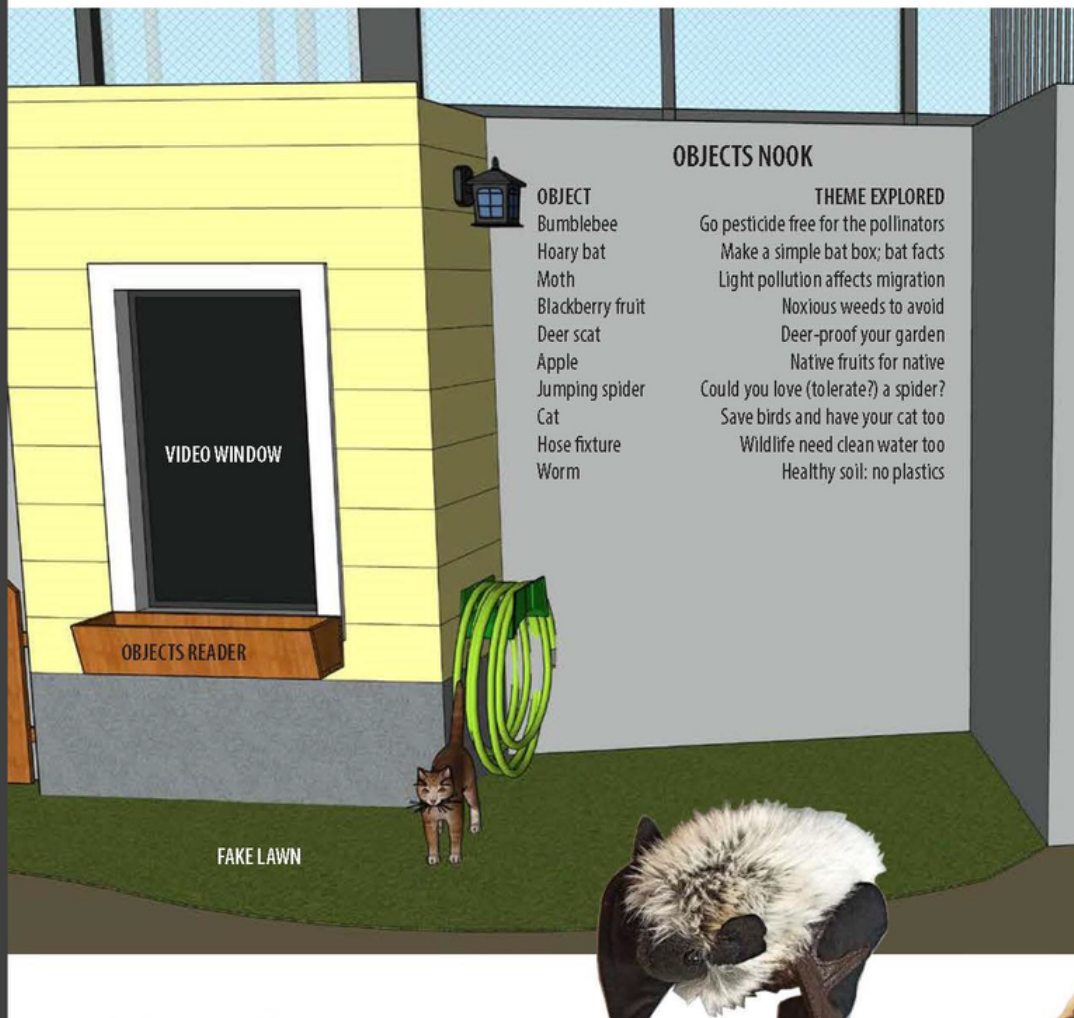
SEATING

DOUBLE THE MESSAGES: Each of the 8 scenes becomes two presentations when light is refracted onto treated glass. Polage and computational casting projects are two forms this could take. Also, if the second niche be double-up, then its symbols/message here can also be doubled-up. (It would be fun to make simple mirror holograms in the 2d niche.)

Ivii Interpretive
Planning · Design · Illustration · Implementation

March 9, 2023 by JCI

What can I do to make a difference?



Pick up the cat and place it into the window planter. Or the clever visitor, realizing that the garden hose has enough slack for the end to be placed in the planter box, will do just that. Whichever object selected in this nook, when placed in the planter it triggers a slide/video presentation. For example a large moth near the outdoor light fixture when placed in the planter tells the visitor about light pollution and how it interferes with migration.

The mural on the objects nook wall is the view of the neighborhood from this faux house. A tree, a planter box with flowers, or other props complete this niche. Think of it as the set of a play we dress with props. The size of the object will make it an obvious choice for placement in the planter/object reader, most of the time.

To the left of the house/window is a picket fence section. There could be a hedge/platform here for more objects.

Empty hooks or the silhouette of the object show when it is missing. Some objects will go walking. Back ups are part of the initial order. None are terribly expensive to replace.

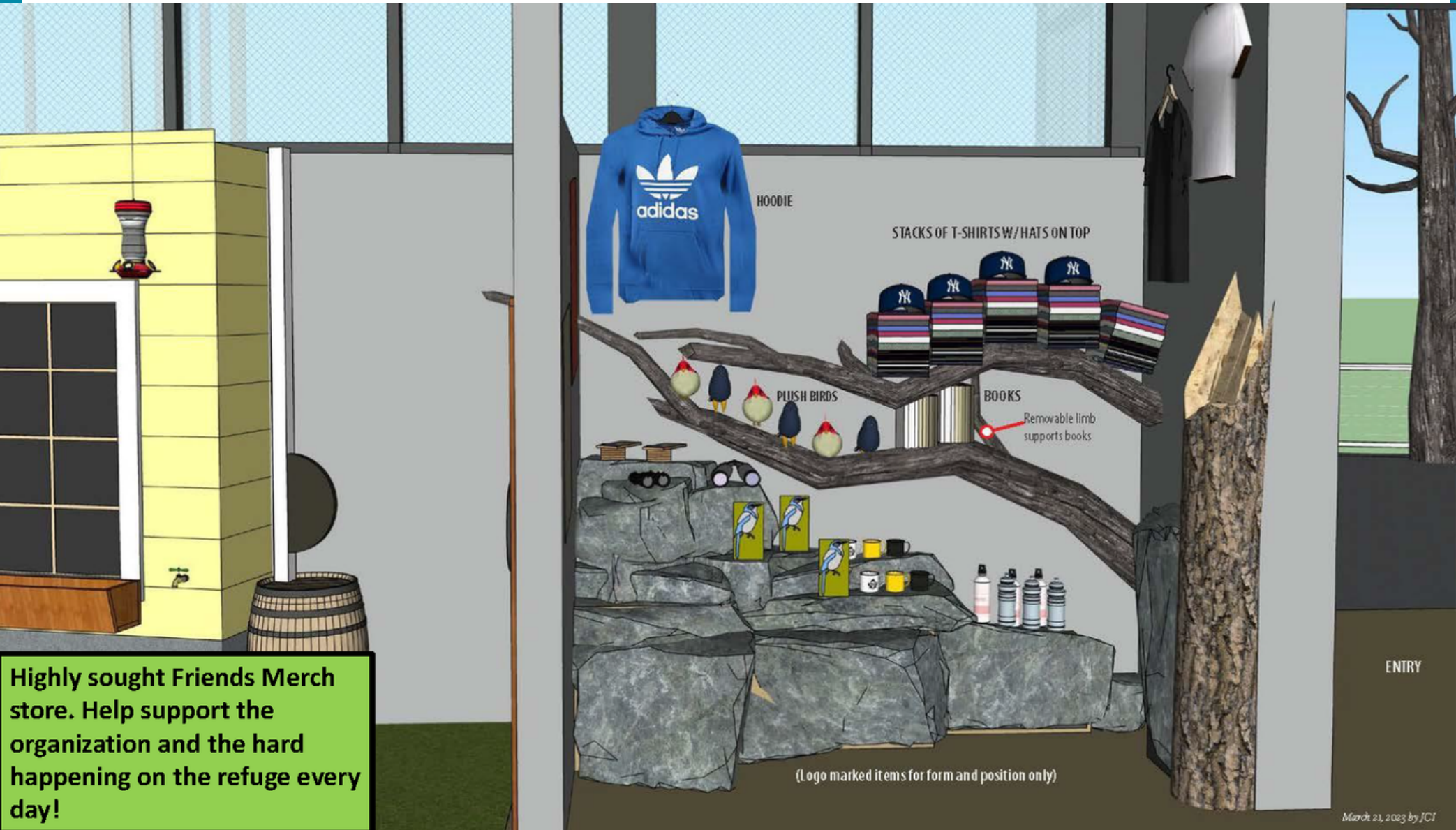
Creating new stories based new objects is easy.



The size is right, the material not so much. Filling the nook with plushy toys as depicted here has problems. Think of these as ideas of proposed objects.

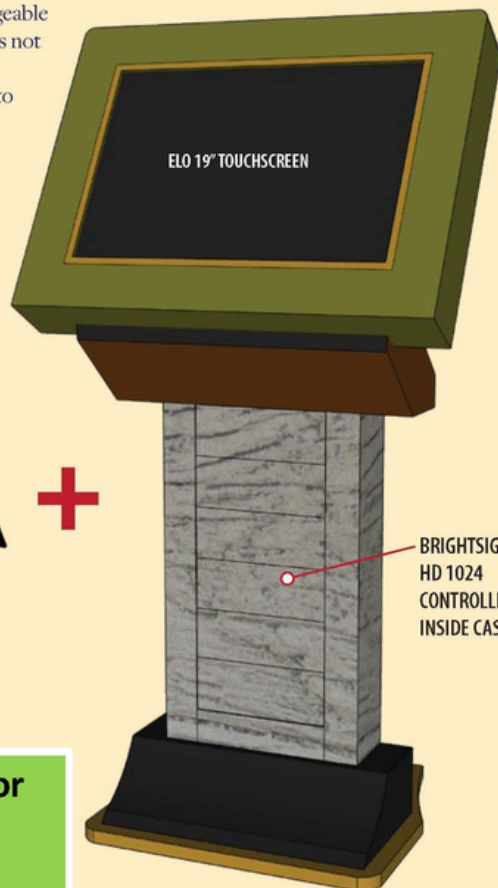


Wildlife in your backyard exhibit. Get comfortable learning about nature and see how you can play your part to protect it!



Highly sought Friends Merch store. Help support the organization and the hard happening on the refuge every day!

PUTTING the depth of content in a touchscreen program within reach of the visitor on the viewing deck, welcome plaza, below the bridge or over it, at the amphitheater and anywhere within the new building is enticing. Proposed is a self-powered, stand alone, solar-chargeable unit. Note: touch screen shown here is not necessarily the design for the Nature Center. For one, the casework needs to accommodate the COOFLY power station.



COOFLY POWER STATION with 120W SOLAR SUPPLY



Interactive touch screen for self-help information or seasonal changes.

Check out units just like this at

KEEP it short and potent. High-quality video that gets close to wildlife, shows signature behavior in crisp focus across the full gamut of color is best. Tell a complete story. Just a few off-the-cuff recommendations for producing a Ridgefield NWRC video.



- refuge has “nest-cam” type footage
- has any professional videographer filmed on any of the refuges
- has NCTC filmed on the Complex
- recommend Michael Durham



If you don't ask to use high-quality wildlife footage, you won't receive. Sometimes a few seconds of fantastic video can be negotiated for a song or as a donation. (Yes. Even from the BBC.)

LED Flexible Track Lighting

LED's are game changers. So flexible, reasonably priced—and this is just scratching the subject's surface. More research is coming on lighting...



Lights depicted here are not necessarily the ones chosen for the Exhibit Hall.

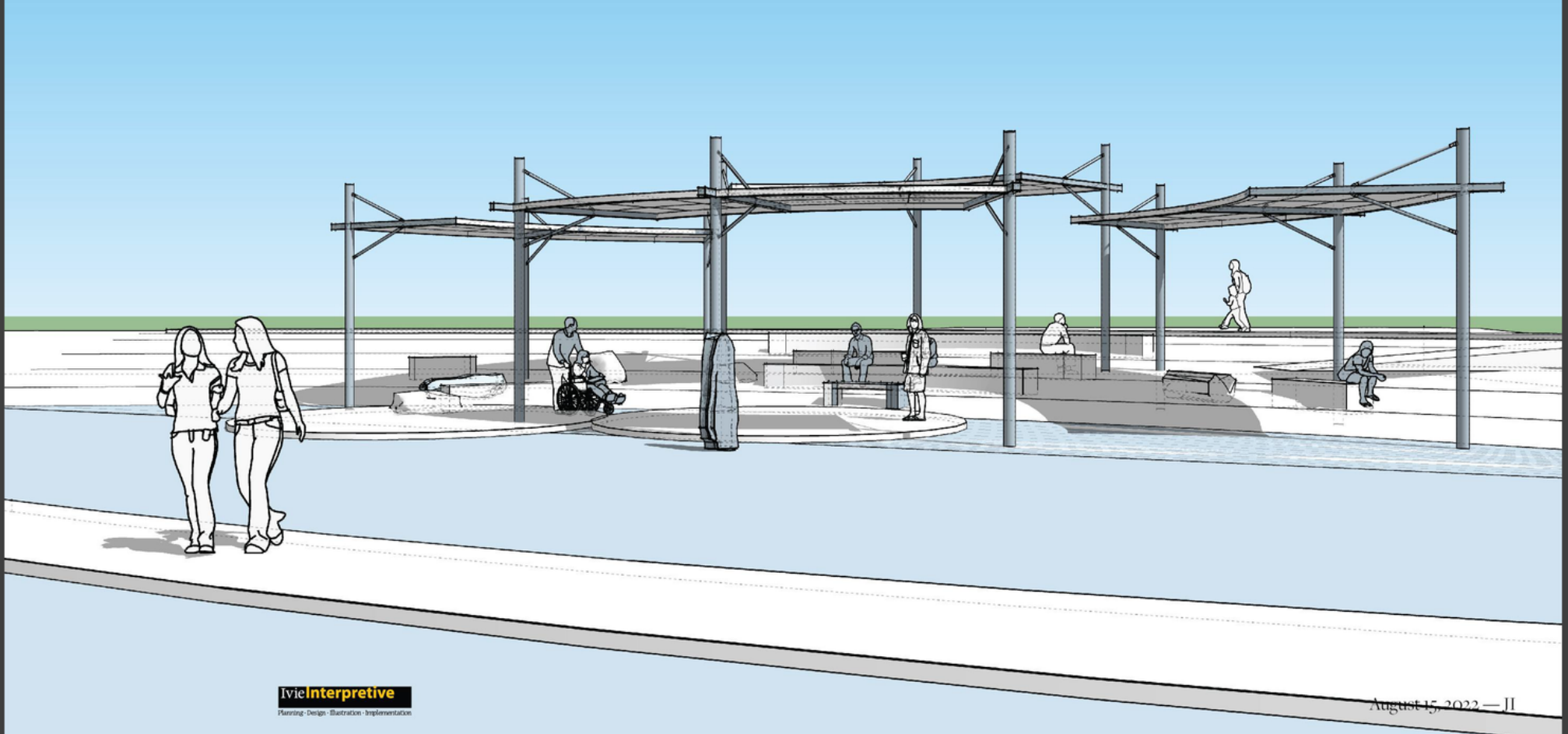




Touchable mobile displays can be moved to any room, outside or just to different areas of the visitor center.

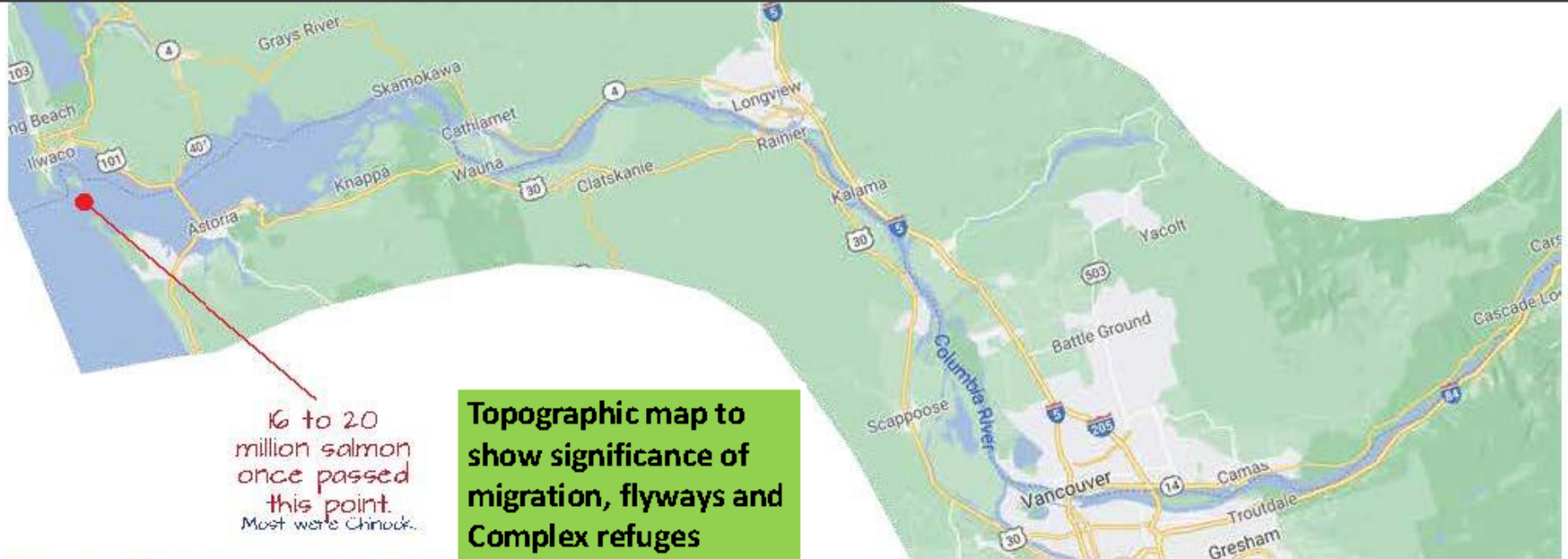
Covered amphitheater for all-weather outdoor learning.

Amphitheater
Four cantilevered roofs



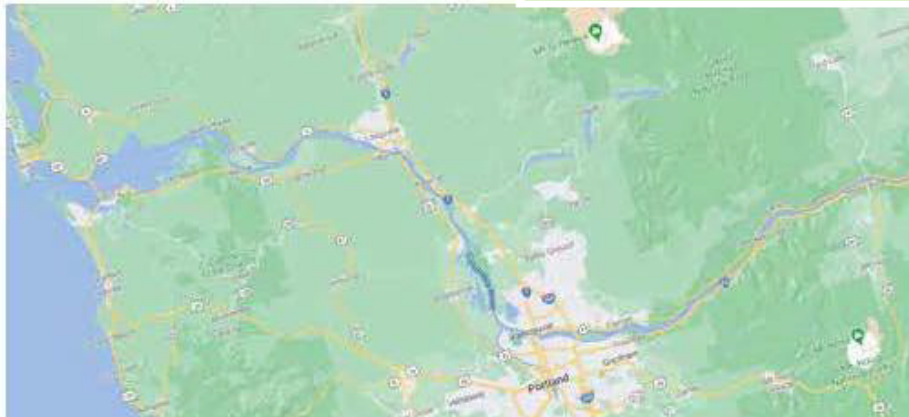
Ivic Interpretive
Planning - Design - Illustration - Implementation

August 15, 2022 - II



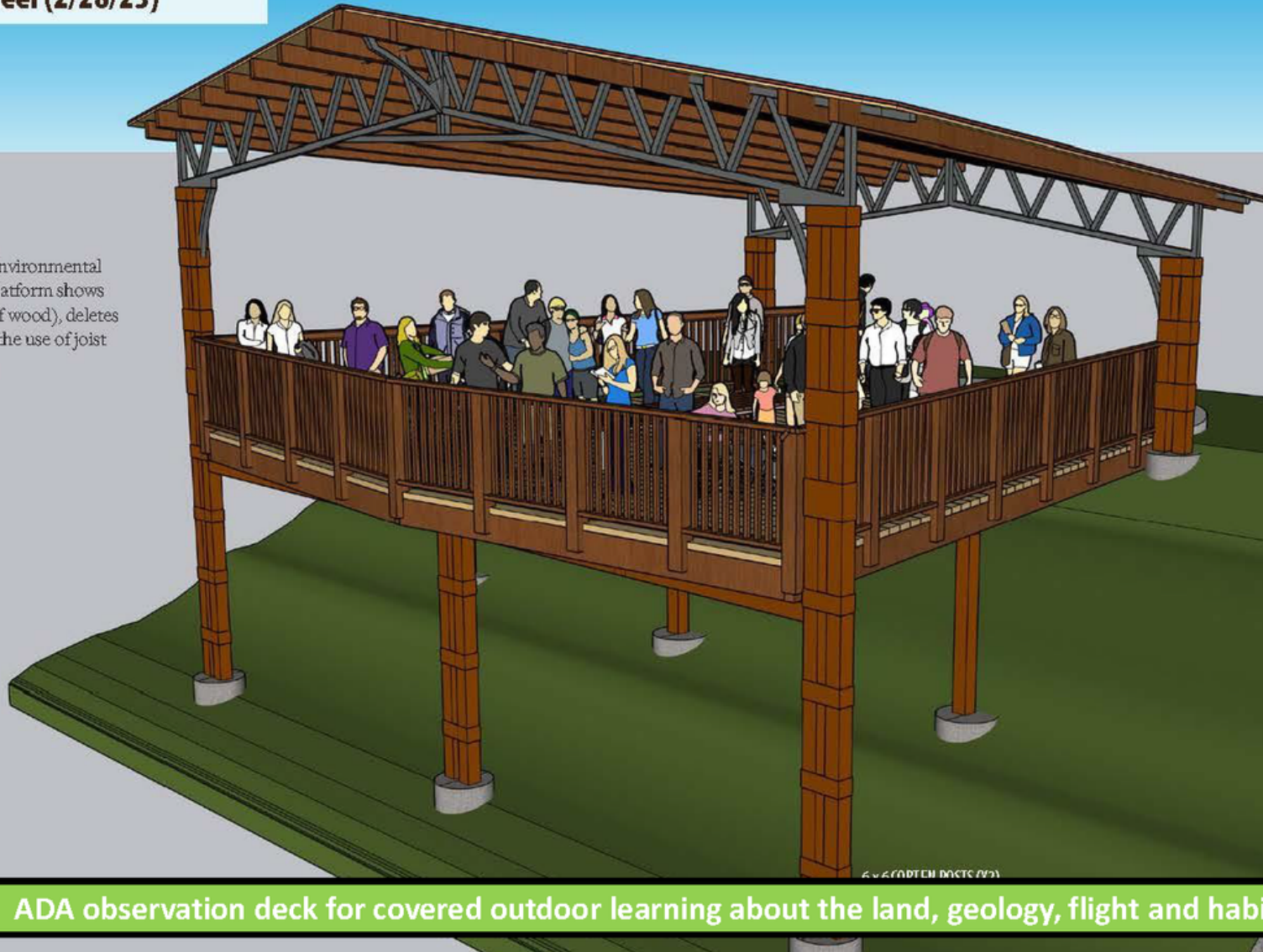
16 to 20 million salmon once passed this point. Most were Chinook.

Topographic map to show significance of migration, flyways and Complex refuges

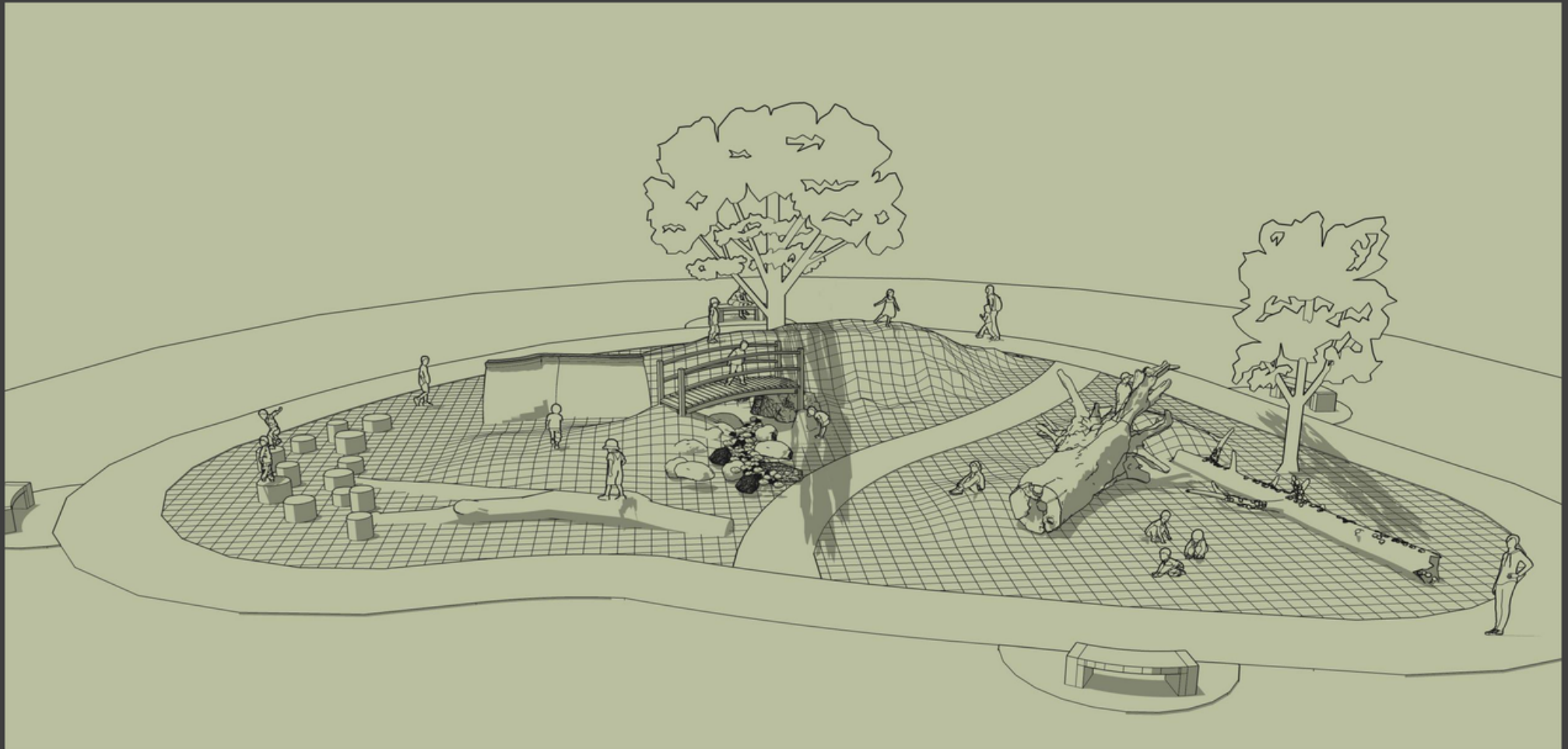


EE Deck w/ Steel (2/28/23)

This version of the Environmental Education viewing platform shows steel posts (instead of wood), deletes the center post with the use of joist hanging truss-work.



ADA observation deck for covered outdoor learning about the land, geology, flight and habitats.



Nature explore area: As metro-area children begin to explore the outdoors, this takes them from familiar playgrounds to a comfortable place to begin to explore the outdoors. Next step when ready, the refuge proper!

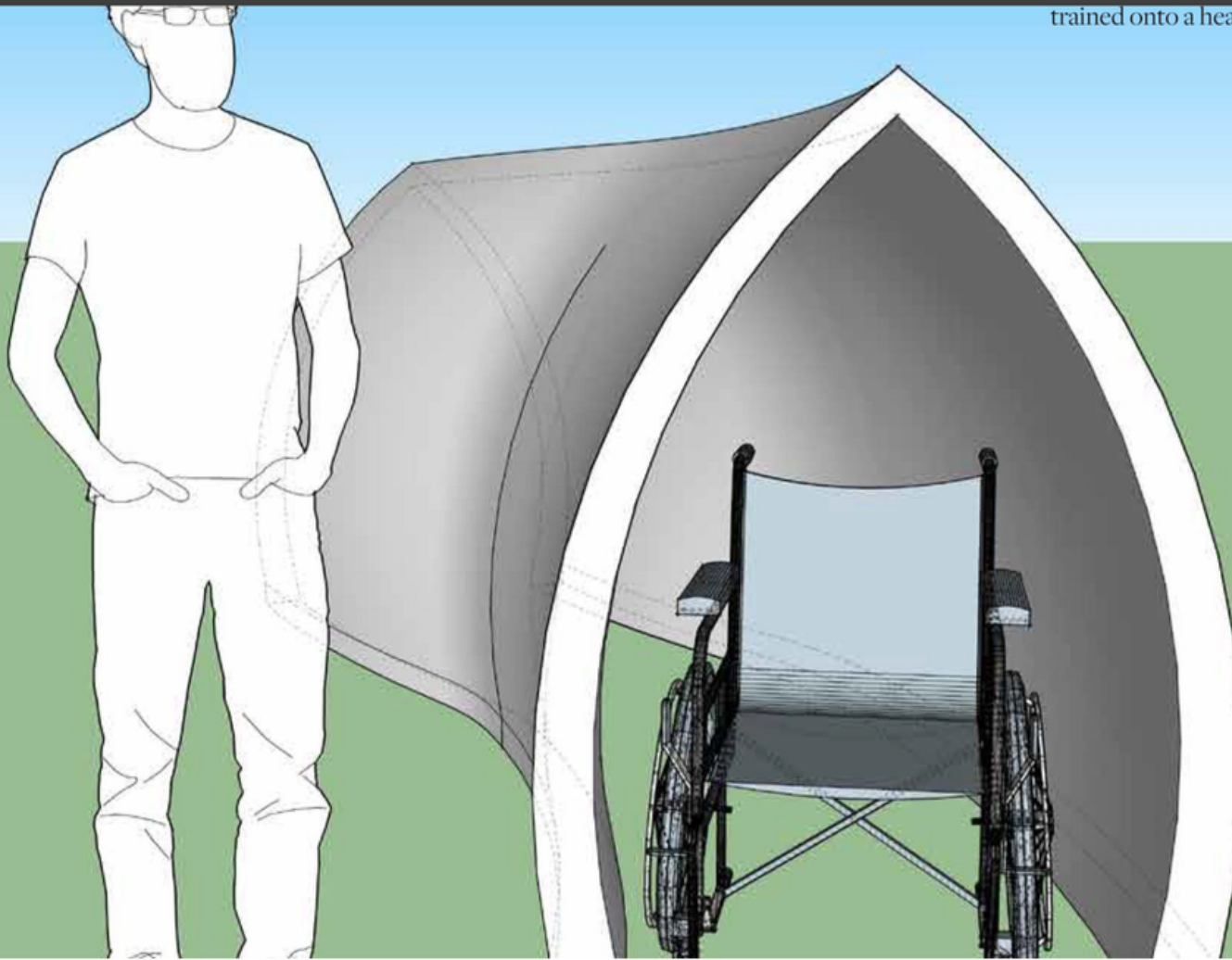




Nature explore area will feature native wildlife and plants to begin learning about the wildlife in their rivers, lands and back yards!

Red-osier tunnel

trained onto a heavy galvaniz grid of wire



Nature explore area was designed to ensure people of all abilities can enjoy and interact with nature at their own pace.



If you can't find a sponsor level that fits your needs please contact the Friends of the Refuge by email (contact@ridgefieldfriends.org) or call 360-887-9495 and leave a message, to discuss other options.

Sponsorship Opportunities for BirdFest & Bluegrass

Sandhill Crane- \$10,000

As a title sponsor, your company's logo will be highlighted on ALL promotional materials, including signs, posters, rack cards, printed media ads, and our website. Your logo can also be included on two cross-street banners in Ridgefield.

Great Horned Owl- \$5,000

Your Company's Logo will be prominent on signs, posters, flyers, rack cards, our website, and promotional materials. Your logo will be featured in areas of the most visibility:

- River 'S' unit with many guided tours of the Wildlife Refuge
- Carty unit of Ridgefield NWR, location of the Headquarters Building, walking trails, Cathlapotle Plankhouse, and Port seasonal trail.
- The Friends info booth in Downtown Ridgefield

Great Egret- \$1,500

You will be sponsor of a festival venue: Your company's Name and/or Logo will be prominent on location during the festival, and on the Friends' website now through October. Venues include:

- Bluegrass Music at the Old Liberty Theatre
- Bluegrass Pickers locations throughout town (one location)
- Family Crafts Downtown
- Family Crafts on the Refuge
- Bussing transportation for Spanish-speaking families
- Refuge Headquarters
 - o Craft Area
 - o Trailhead
 - o Entrance
 - o Photo Contest display

Red-Tailed Hawk- \$500

Your company's Name and/or Logo will be on the Friends' website from now through October.

Feathered Friends- \$250

Thank you for your contribution, you make this event possible!