COUNTY OF MENDOCINO
DEPARTMENT OF PLANNING AND BUILDING SERVICES
860 NORTH BUSH STREET · UKIAH · CALIFORNIA · 95482
120 WEST FIR STREET · FT. BRAGG · CALIFORNIA · 95437

JULIA KROG, DIRECTOR
TELEPHONE: 707-234-6650
FAX: 707-463-5709
FB PHONE: 707-964-5379
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pbs@mendocinocounty.org
www.mendocinocounty.org/pbs

February 8, 2023

Planning –Ukiah
Department of Transportation
Environmental Health -Fort Bragg
Building Inspection -Fort Bragg
Fort Bragg City Planning Department
Air Quality Management

Archaeological Commission
Sonoma State University
Department of Forestry/ CalFire
-Land Use
Department of Fish and Wildlife
California Coastal Commission

Cloverdale Rancheria
Redwood Valley Rancheria
Sherwood Valley Band of Pomo Indians
City of Fort Bragg Sanitation District
City of Fort Bragg Water District
Fort Bragg Rural Fire District

CASE#: CDP_2023-0001
DATE FILED: 1/6/2023
OWNER/APPLICANT: NOYO HARBOR DISTRICT
AGENT: SHN, SCOTT PERKINS
REQUEST: Standard Coastal Development Permit request to construct improvements at Grader Park, including the construction of a new covered fish cleaning station with connection to utilities, extension of concrete sidewalk connecting the existing parking area to planned park amenities, new post and rope fencing adjacent to proposed sidewalks along the riverbank, new "Caught from Noyo Harbor" bulletin board sign, new cold-water shower and connection to existing water, sewer and storm drain.
LOCATION: In the Coastal Zone, located at 32400 Basin Street, Fort Bragg, (APN: 018-240-22). In the Coastal Zone, on the south side of Noyo River, ±0.25 miles north of the intersection of State Route 20 (SR 20) and South Harbor Drive (CR 415), ±400 feet east of the intersection of South Harbor Drive (CR 415) and Bason Street (CR 417), located at 32400 Basin Street, Fort Bragg; APN: 018-240-22.
SUPERVISORIAL DISTRICT: 4 (Gjerde)
STAFF PLANNER: JESSIE WALDMAN
RESPONSE DUE DATE: February 22, 2023

PROJECT INFORMATION CAN BE FOUND AT:
www.mendocinocounty.org
Select "Government" from the drop-down; then locate Planning and Building Services/Public Agency Referrals.

Mendocino County Planning & Building Services is soliciting your input, which will be used in staff analysis and forwarded to the appropriate public hearing. You are invited to comment on any aspect of the proposed project(s). Please convey any requirements or conditions your agency requires for project compliance to the project coordinator at the above address, or submit your comments by email to pbs@mendocinocounty.org. Please note the case number and name of the project coordinator with all correspondence to this department.

We have reviewed the above application and recommend the following (please check one):

☐ No comment at this time.

☐ Recommend conditional approval (attached).

☐ Applicant to submit additional information (attach items needed, or contact the applicant directly, copying Planning and Building Services in any correspondence you may have with the applicant)

☐ Recommend denial (Attach reasons for recommending denial).

☐ Recommend preparation of an Environmental Impact Report (attach reasons why an EIR should be required).

☐ Other comments (attach as necessary).

REVIEWED BY:

Signature _____ Department _____ Date _____

CASE: CDP_2023-0001

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AGENT: SHN, SCOTT PERKINS

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LOCATION: In the Coastal Zone, located at 32400 Basin Street, Fort Bragg, (APN: 018-240-22). In the Coastal Zone, on the south side of Noyo River, ±0.25 miles north of the intersection of State Route 20 (SR 20) and South Harbor Drive (CR 415), ±400 feet east of the intersection of South Harbor Drive (CR 415) and Bason Street (CR 417), located at 32400 Basin Street, Fort Bragg; APN: 018-240-22.

APN/S: 018-240-22

PARCEL SIZE: 21.5± Acres

GENERAL PLAN: Fishing Village & Flood Plain Combining District (FV)(FP)
ZONING: Fishing Village (FV)

EXISTING USES: The subject parcel is currently developed as an existing public recreations area, known as Grader Park, adjacent to the Noyo Harbor District. The space is historically used as a picnic area for the "World's Largest Salmon BBQ". Existing development on the parcel consists of an open field with picnic benches and tables, concrete patio landscaping at the edge of Noyo River and the marina. Within 100 feet of the proposed project areas, there exists an established water, sewer and storm drain utilities.

DISTRICT: 4th (Gjerde)

RELATED CASES: CDP_2020-0030 (MVR – ATF); CDP_2018-0022 (Withdrawn); CDP_2016-0016 (Consolidated CDP to California Coastal Commission for Boat Launch and Parking Facilities); PAC_2022-0001 (Grader Park Improvements)

	ADJACENT GENERAL PLAN	ADJACENT ZONING	ADJACENT LOT SIZES	ADJACENT USES
NORTH:	City of Fort Bragg/Noyo River	City of Fort Bragg/Noyo River	2.5± Acres	Noyo River
EAST:	Rural Residential (RR5)	Rural Residential (RR)	14.0± Acres	Vacant
SOUTH:	Fishing Village (FV) & Rural Residential (RR5(1))	Fishing Village (FV) & Rural Residential (RR)	1.0± Acres	Residential
WEST:	Fishing Village (FV)	Fishing Village (FV)	1.0± Acres	Commercial

REFERRAL AGENCIES

LOCAL
- ☒ Air Quality Management District
- ☒ Archaeological Commission
- ☒ Building Division (FB)
- ☒ Department of Transportation (DOT)
- ☒ Environmental Health (EH)(FB)
- ☒ Fort Bragg City Planning Department
- ☒ Fort Bragg Rural Fire District
- ☒ City of Fort Bragg Sanitation District
- ☒ City of Fort Bragg Water District
- ☒ Planning Division (UKIAH)
- ☒ Sonoma State University

STATE
- ☒ CALFIRE (Land Use)
- ☒ California Coastal Commission
- ☒ California Dept. of Fish & Wildlife

TRIBAL
- ☒ Cloverdale Rancheria
- ☒ Redwood Valley Rancheria
- ☒ Sherwood Valley Band of Pomo Indians

ADDITIONAL INFORMATION:

- The proposed project is part of the Noyo Harbor District's Community Sustainability Plan (CSP). The Noyo Harbor District (NHD) has applied for grant funding through the California State Lands Commission/APRA for the design, permit and construction of the public improvement.

- On April 5, 2022, the California Coastal Commission (CCC) determined the proposed project will be within the Mendocino County Planning and Building Services (MC PBS) jurisdiction.

- STUDIES COMPLETED:
  - *Habitat Assessment*, which provided a summary of a Natural Resources and Environmentally Sensitive Habitat Area (ESHA) study, prepared by SHN Senior Botanist/Ecologist Joseph Saler, in April of 2022.
  - Archaeological Survey 2016

STAFF PLANNER: JESSIE WALDMAN **DATE:** 2/7/2023

ENVIRONMENTAL DATA

1. MAC:
GIS
N/A

2. FIRE HAZARD SEVERITY ZONE:
CALFIRE FRAP maps/GIS
Mixed - High & Very High Fire Hazard

3. FIRE RESPONSIBILITY AREA:
CALFIRE FRAP maps/GIS
CalFire; Fort Bragg Rural Fire Protection District

4. FARMLAND CLASSIFICATION:
GIS
Urban & Built-Up Land; Grazing Land

5. FLOOD ZONE CLASSIFICATION:
FEMA Flood Insurance Rate Maps (FIRM)
Zone AE (14 – 17 feet)

6. COASTAL GROUNDWATER RESOURCE AREA:
Coastal Groundwater Study/GIS
Marginal Water Resource

7. SOIL CLASSIFICATION:
Mendocino County Soils Study Eastern/Western Part
139—Dystropepts

8. PYGMY VEGETATION OR PYGMY CAPABLE SOIL:
LCP maps, Pygmy Soils Maps; GIS
NO

9. WILLIAMSON ACT CONTRACT:
GIS/Mendocino County Assessor's Office
NO

10. TIMBER PRODUCTION ZONE:
GIS
NO

11. WETLANDS CLASSIFICATION:
GIS
Noyo River; Estuarine and Marine Deepwater; Riverine

12. EARTHQUAKE FAULT ZONE:
Earthquake Fault Zone Maps; GIS
NO

13. AIRPORT LAND USE PLANNING AREA:
Airport Land Use Plan; GIS
NO

14. SUPERFUND/BROWNFIELD/HAZMAT SITE:
GIS; General Plan 3-11
NO

15. NATURAL DIVERSITY DATABASE:
CA Dept. of Fish & Wildlife Rarefind Database/GIS
YES

16. STATE FOREST/PARK/RECREATION AREA ADJACENT:
GIS; General Plan 3-10
NO

17. LANDSLIDE HAZARD:
Hazards and Landslides Map; GIS; Policy RM-61; General Plan 4-44
NO

18. WATER EFFICIENT LANDSCAPE REQUIRED:
Policy RM-7; General Plan 4-34
NO

19. WILD AND SCENIC RIVER:
www.rivers.gov (Eel Only); GIS
YEA

20. SPECIFIC PLAN/SPECIAL PLAN AREA:
Various Adopted Specific Plan Areas; GIS
Noyo Harbor

21. STATE CLEARINGHOUSE REQUIRED:
Policy
N/A

22. OAK WOODLAND AREA:
USDA
N/A

23. HARBOR DISTRICT:
Sec. 20.512
Noyo Harbor

FOR PROJECTS WITHIN THE COASTAL ZONE ONLY

24. LCP LAND USE CLASSIFICATION:
LCP Land Use maps/GIS
Map 14: Beaver -Fishing Village; Flooding; Rare Plant Habitat

25. LCP LAND CAPABILITIES & NATURAL HAZARDS:
LCP Land Capabilities maps/GIS; 20.500
Adjacent to Moderately Production Timberland; Within Marine Terrace Deposits (Zone 2)

26. LCP HABITATS & RESOURCES:
LCP Habitat maps/GIS; 20.496
Barren; Adjacent to Coastal Forest; Anadromous Stream; Plant Habitat

27. COASTAL COMMISSION APPEALABLE AREA:
Post LCP Certification Permit and Appeal Jurisdiction maps/GIS; 20.544
Adjacent to Appeal Area, NO

28. CDP EXCLUSION ZONE:
CDP Exclusion Zone maps/GIS
NO

29. HIGHLY SCENIC AREA:
Highly Scenic & Tree Removal Area Maps/GIS; Secs. 20.504.015, 20.504.020
NO

30. BIOLOGICAL RESOURCES & NATURAL AREAS:
Biological Resources & Natural Area Map; GIS; General Plan 4-9
YES

31. BLUFFTOP GEOLOGY:
GIS; 20.500.020
NO

COUNTY OF MENDOCINO
DEPT OF PLANNING AND BUILDING SERVICES
120 WEST FIR STREET
FORT BRAGG, CA 95437
Telephone: 707-964-5379
FAX: 707-961-2427
pbs@co.mendocino.ca.us
www.co.mendocino.ca.us/planning

Case No(s)	CDP-2023-0001
CDF No(s)	
Date Filed	1-6-2023
Fee	9,208.00
Receipt No.	PBJ-053892
Received by	(illegible)

Office Use Only

COASTAL ZONE APPLICATION FORM

APPLICANT

Name: Noyo Harbor District
Mailing Address: 19101 South Harbor Drive
City: Fort Bragg State: California Zip Code: 95437 Phone: 707-964-4719

PROPERTY OWNER

Name: Same as Applicant
Mailing Address:
City: State: Zip Code: Phone:

AGENT

Name: SHN, Scott Perkins
Mailing Address: 329 East Redwood Avenue
City: Fort Bragg State: California Zip Code: 95437 Phone: 707-354-0145

PARCEL SIZE

21.50 ☐ Square feet ■ Acres

STREET ADDRESS OF PROJECT

32400 Basin St. Fort Bragg

ASSESSOR'S PARCEL NUMBER(S)

018-240-22

I certify that the information submitted with this application is true and accurate.

Scott Perkins — Signature of Applicant/Agent — 11-10-22 — Date

(signature) — Signature of Owner — 11-10-22 — Date

COASTAL ZONE - SITE AND PROJECT DESCRIPTION QUESTIONNAIRE

The purpose of this questionnaire is to relate information concerning your application to the Planning and Building Services Department and other agencies who will be reviewing your project proposal. Please remember that the clearer picture that your give us of your project and the site, the easier it will be to promptly process your application. Please answer all questions. Those questions which do not pertain to your project, please indicate "Not Applicable" or "N/A".

THE PROJECT

1. Describe your project and include secondary improvements such as wells, septic systems, grading, vegetation removal, roads, etc.

• a free public fish cleaning station on a concrete pad with covered weather protection. The concrete pad would be 450 SF, and the covered fish cleaning structure would be 200 SF with a maximum height of less than 16 feet;
• approximately 175 linear feet of 5-foot-wide concrete pedestrian access along the western and northern park perimeter connecting existing and planned park amenities to the existing parking lot;
• approximately 250 linear feet of less than 4-foot-tall decorative safety fencing (posts and rope) along the riverbank adjacent to a portion of the proposed sidewalk;
• connections from the fish cleaning station to existing utilities, including water, sewer, and storm drain;
• a freestanding sign mounted on posts for photo opportunities ("Caught from Noyo Harbor!") with a maximum height of approximately 12 feet; and
• approximately 25 SF concrete pad and ground-mounted cold-water shower.
[COMPLETE PROJECT NARRATIVE INCLUDED WITH FULL APPLICATION]

2. If the project is residential, please complete the following:

TYPE OF UNIT	NUMBER OF STRUCTURES	SQUARE FEET PER DWELLING UNIT
☐ Single Family	N/A	N/A
☐ Mobile Home	N/A	N/A
☐ Duplex	N/A	N/A
☐ Multifamily	N/A	N/A

If Multifamily, number of dwelling units per building: N/A

3. If the project is commercial, industrial, or institutional, complete the following:

Total square footage of structures: 200 SF
Estimated employees per shift: 0.25 (part time capacity of one employee)
Estimated shifts per day: 1
Type of loading facilities proposed: N/A

4. Will the proposed project be phased? ☐ Yes ■ No
If Yes, explain your plans for phasing.

N/A

5. Are there existing structures on the property? ■ Yes ☐ No
If yes, describe below and identify the use of each structure on the plot plan.

The project would be constructed on a Noyo Harbor District property with several existing Fishing Village related structures and uses. The District's eight-dock Marina, high dock, public restrooms, office building, and storage building are all existing on the parcel.

Approximately half of the public boat launch and marina parking area is on the parcel, including the majority of the bio-retention basin. Basin Street, a County road, traverses the property.

The property also has a concrete/rock sitting area with benches and picnic tables, and is host to the annual "World's Largest Salmon Barbecue."

6. Will any existing structures be demolished? ☐ Yes ■ No
Will any existing structures be removed? ☐ Yes ■ No

If yes to either question, describe the type of development to be demolished or removed, including the relocation site, if applicable.

N/A

7. Project Height. Maximum height of structure 16' (Fish Cleaning Structure), 12' (sign) feet.

8. Lot area (within property lines): 21.50 ☐ square feet ■ acres

9. Lot Coverage:

	EXISTING	NEW PROPOSED	TOTAL
Building coverage	1,820 square feet	200 square feet	2,020 square feet
Paved area	42,253 square feet	1,300 square feet	43,553 square feet
Landscaped area	26,136 square feet	592 square feet	26,728 square feet
Unimproved area	_____ square feet	_____ square feet	_____ square feet

GRAND TOTAL: 72,301 (excludes marina) square feet
(Should equal gross area of parcel)

10. Gross floor area: 300 SF square feet (including covered parking and accessory buildings).

11. Parking will be provided as follows:

Number of Spaces Existing 66 Proposed 0 Total 66

Number of covered spaces	_____	Size _____
Number of uncovered spaces	54 (boat and trailer parking)	Size _____
Number of standard spaces	20 (vehicle spaces), multiple on Basin St.	Size _____
Number of handicapped spaces	2 (boat and trailer), 2 (vehicle)	Size _____

12. Utilities will be supplied to the site as follows:

A. Electricity
- ■ Utility Company (service exists to the parcel).
- ☐ Utility Company (requires extension of services to site: _____ feet _____ miles
- ☐ On Site generation, Specify: _____
- ☐ None

B. Gas
- ☐ Utility Company/Tank
- ☐ On Site generation, Specify: _____
- ■ None

C. Telephone: ☐ Yes ■ No

13. Will there by any exterior lighting? ■ Yes ☐ No
If yes, describe below and identify the location of all exterior lighting on the plot plan and building plans.

Any lighting not provided for security purposes will be downcast and shielded.

14. What will be the method of sewage disposal?

- ■ Community sewage system, specify supplier City of Fort Bragg
- ☐ Septic Tank
- ☐ Other, specify _____

15. What will be the domestic water source?

- ■ Community water system, specify supplier City of Fort Bragg
- ☐ Well
- ☐ Spring
- ☐ Other, specify _____

16. Is any grading or road construction planned? ☐ Yes ■ No
If yes, grading and drainage plans may be required. Also, describe the terrain to be traversed (e.g., steep, moderate slope, flat, etc.).

For grading and road construction, complete the following:

A. Amount of cut: N/A cubic yards
B. Amount of fill: N/A cubic yards
C. Maximum height of fill slope: N/A feet
D. Maximum height of cut slope: N/A feet
E. Amount of import or export: N/A cubic yards
F. Location of borrow or disposal site: N/A

17. Will vegetation be removed on areas other than the building sites and roads? ☐ Yes ■ No
If yes, explain:

N/A

18. Does the project involve sand removal, mining or gravel extraction? ☐ Yes ■ No
If yes, detailed extraction, reclamation and monitoring may be required.

19. Will the proposed development convert land currently or previously used for agriculture to another use? ☐ Yes ■ No
If yes, how many acres will be converted? N/A acres (An agricultural economic feasibility study may be required.)

20. Will the development provide public or private recreational opportunities? ■ Yes ☐ No
If yes, explain:

The project will provide coastal-relate support services / recreational opportunities. Currently, sport fishermen do not have access to a privately owned or publicly managed fish cleaning station on either the north or south side of Noyo Harbor. The fleet operating out of Noyo Harbor that draws and generates substantial tourism dollars to the area would benefit greatly from a station where their daily catches can be cleaned. A fish cleaning facility is a common amenity offered in harbors such as Noyo with active charter and recreational fishing operations.

21. Is the proposed development visible from:

Answer to both is "yes" (form will not allow both boxes to be checked.

A. State Highway 1 or other scenic route? ■ Yes ☐ No
B. Park, beach or recreation area? ☐ Yes ■ No

22. Will the project involve the use or disposal of potentially hazardous materials such as toxic substances, flammables, or explosives? ☐ Yes ■ No
If yes, explain:

Fish waste generated will be directed to the City of Fort Bragg wastewater system. Materials are not toxic, flammable, or explosive.

23. Does the development involve diking, filling, dredging or placing structures in open coastal waters, wetlands, estuaries or lakes?

A. Diking ☐ Yes ☐ No
B. Filling ☐ Yes ☐ No
C. Dredging ☐ Yes ■ No
D. Placement of structures in open coastal waters, wetlands, estuaries or lakes ☐ Yes ■ No

Amount of material to be dredged or filled? N/A cubic yards.

Location of dredged material disposal site: N/A

Has a U.S. Army Corps of Engineers permit been applied for? ☐ Yes ■ No

If you need additional room to answer any question, attach additional sheets.

Project Location

- Grader Park, Noyo Harbor (APN 018-240-22 / 32400 Basin Street, Fort Bragg)
- Mendocino County Coastal Zone—Fishing Village (MCC Sec. 20.392)

Project Summary

The Noyo Harbor District (NHD) adopted a Community Sustainability Plan (CSP) in 2019 that recommends policies and investments to sustain the economy, community, and environment of Noyo Harbor. The CSP includes "Top 12 Priorities and Recommended Actions" to implement the findings of the plan. One of the identified priority improvements is the development of a Fish Cleaning Station. The NHD does not currently own or maintain a fish cleaning station, and recreational users are left with very few options, if any, when it comes to proper fish cleaning and waste disposal in Noyo Harbor.

Per the CSP, "sport fishermen do not have access to a privately owned or publicly managed fish cleaning station on either the north or south side of Noyo Harbor. Charter vessels operating out of Noyo Harbor that draw and generate substantial tourism dollars to the area would benefit greatly from a station where their daily catches can be cleaned. A fish cleaning facility is a common amenity offered in harbors such as Noyo with active charter and recreational fishing operations."

The CSP also notes other benefits of a public fish cleaning station:

Regarding the environment, "fish cleaning stations help avoid illicit fish waste product disposal in the river and may deter landings in excess of bag limits."

Considering the community, "a fish cleaning station on the south side of the harbor would benefit recreational fishermen and CPFV operators and make their experience in the harbor more memorable. Social interaction often occurs on and around marine infrastructure and services. A fish cleaning station also provides a location for educational materials." Additionally, the project would expand the public facilities offered in Grader Park.

With regards to the economic sustainability of the Fishing Village, "a fish cleaning station is an amenity that supports recreational fishing which, in turn, contributes to a healthy economy in the Harbor and the wider community." The fishing cleaning station will be an economic asset in the Harbor expanding the Harbor's low-cost visitor-serving facilities, which will draw and generate additional tourism in the Harbor.

NHD has applied for grant funding through the California State Lands Commission/ARPA to design, permit, and construct the public improvements. On April 26, 2022, the California State Lands Commission voted in favor of funding the project.

NHD requests a Coastal Development Permit to construct:

- a free public fish cleaning station on a concrete pad with covered weather protection. The concrete pad would be between 450 SF, and the covered fish cleaning structure would be between 200 SF with a maximum height of less than 16 feet;
- approximately 175 linear feet of 5-foot-wide concrete pedestrian access along the western and northern park perimeter connecting existing and planned park amenities to the existing parking lot;
- approximately 250 linear feet of less than 4-foot-tall decorative safety fencing (posts and rope) along the riverbank adjacent to a portion of the proposed pedestrian access;
- connections from the fish cleaning station to existing utilities, including electrical, water, sewer, and storm drain;
- a freestanding sign mounted on posts for photo opportunities ("Caught from Noyo Harbor!") with a maximum height of approximately 12 feet; and
- approximately 25 SF concrete pad and ground-mounted cold-water shower;

A site plan of project improvements is included with this permit application.

Project Components

- **Fish Cleaning Station ("Coastal-Related Support Services," principally permitted)**

The proposed fish station would be 200 SF in total area, built with wood, covered for weather protection, and situated on a concrete pad. The structure would contain either one or two fish cleaning stations with a cutting surface, sink with running water, and waste disposal. The fish cleaning table(s) may be removable for the structure to be used periodically for other events in Grader Park, such as the annual *World's Largest Salmon BBQ*.

Examples of comparable fish cleaning stations

The structure would also contain a signage board to provide information to park users, such as fishing conditions, safety information, and community events.

The fish cleaning station would provide "services related to commercial and sport fishing and recreational boating activities, including...fishing support uses," consistent with the County's definition for "Coastal-Related Support Service" (MCC Sec. 20.324.040). The NHD proposes that the fish cleaning station is a "Coastal-Related Support Service," and is a principally permitted use in the Fishing Village.

- **Utility Connections ("Coastal-Related Support Services," principally permitted)**

There are existing water, sewer, and storm drain utilities within 100 feet of the proposed fish cleaning station. The fish cleaning station and cold-water shower would connect to the existing City of Fort Bragg water service, and stormwater would be collected and conveyed to an existing stormwater drain that flows to the Noyo. A connection to the City of Fort Bragg wastewater system will be utilized to collect and remove fish waste generated from the fish cleaning station (a Waste Discharge Agreement is currently pending with the City of Fort Bragg).

The utility connections are in direct support of the fish cleaning station, which NHD proposes is a principally permitted Coastal-Related Support Service. As such, NHD proposes that the utility connections are accessory to the fish cleaning station and are likewise principally permitted in the Fishing Village.

- **Concrete Pedestrian Access ("Coastal-Related Support Services," principally permitted)**

The fish cleaning station would be accessed from the parking lot from a proposed 5-foot-wide concrete pedestrian access path. The pathway would connect to the concrete pad under the fish cleaning station.

Grader Park is currently developed with a concrete patio, picnic benches, statue, and landscaping near the river edge. There is no formal pathway developed to reach the existing patio. The proposed pathway would continue from the concrete pad under the fish cleaning station, and then around the northwestern periphery of the park. This would create a connection from the parking lot to the existing patio.

The pathway would also be accessory to the proposed fish cleaning station and to Grader Park, which NHD proposes are principally permitted Coastal-Related Support Services uses.

- **Photo Sign ("Coastal-Related Support Services," principally permitted)**

The project would also include a freestanding sign mounted on posts for harbor visitors to stand under for photo opportunities. The sign would help promote the harbor to potential visitors. The sign would be placed near the top of the riverbank with the marina as a backdrop. NHD proposes that the signage would also be a principally permitted Coastal-Related Support Service, since it would be an amenity available to sport fisherman and other harbor visitors to show off their catches and promote the fishing activities in the harbor.

- **Cold-Water Shower ("Coastal-Related Support Services," principally permitted)**

The project proposal includes an approximately 5-foot by 5-foot concrete pad with a public cold shower. A public shower will give spear fishers and scuba divers an opportunity to wash themselves off after a day of diving, fulfilling a need many spear fishers and scuba divers have voiced to NHD in the past. The shower would be plumbed into the existing City of Fort Bragg water service adjacent to Grader Park.

Since the cold-water shower would support the spearfishing and scuba communities, NHD proposes that the facility is also a Coastal-Related Support Service, and is principally permitted.

Special Studies

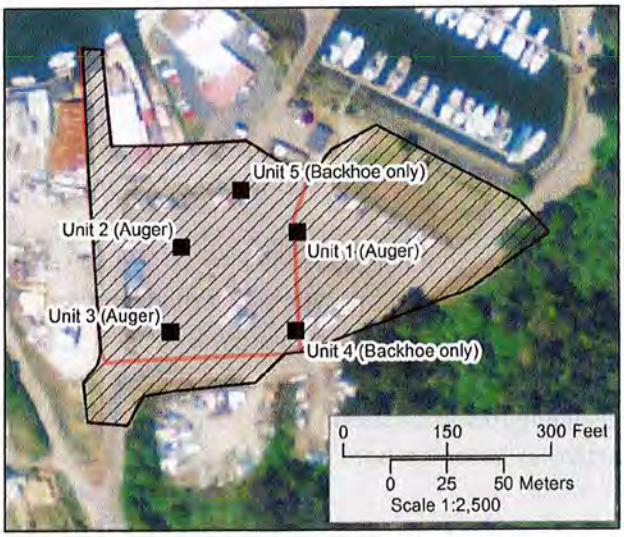
- **Natural Resources and Environmentally Sensitive Habitat Areas**

On March 31, 2022, SHN Senior Botanist/Ecologist Joseph Saler visited Grader Park and the surrounding project area to identify seasonally-dependent floristic species that provide habitat for federally-protected species, such as the Behren's silverspot butterfly. A summary of the findings is in the full report included with this permit application, and concludes that adequate habitat to support these species is not present within at least 100 feet of the project.

The included biological assessment concludes that "the Noyo River exists immediately adjacent to Grader Park, however conditions are heavily manipulated for use as a marina, with docks and riprapped banks limiting habitat potential. The proposed project consists of a fish cleaning station and minor park improvements that will not impact the Noyo River or its banks."

- **Archaeology and Cultural Resources**

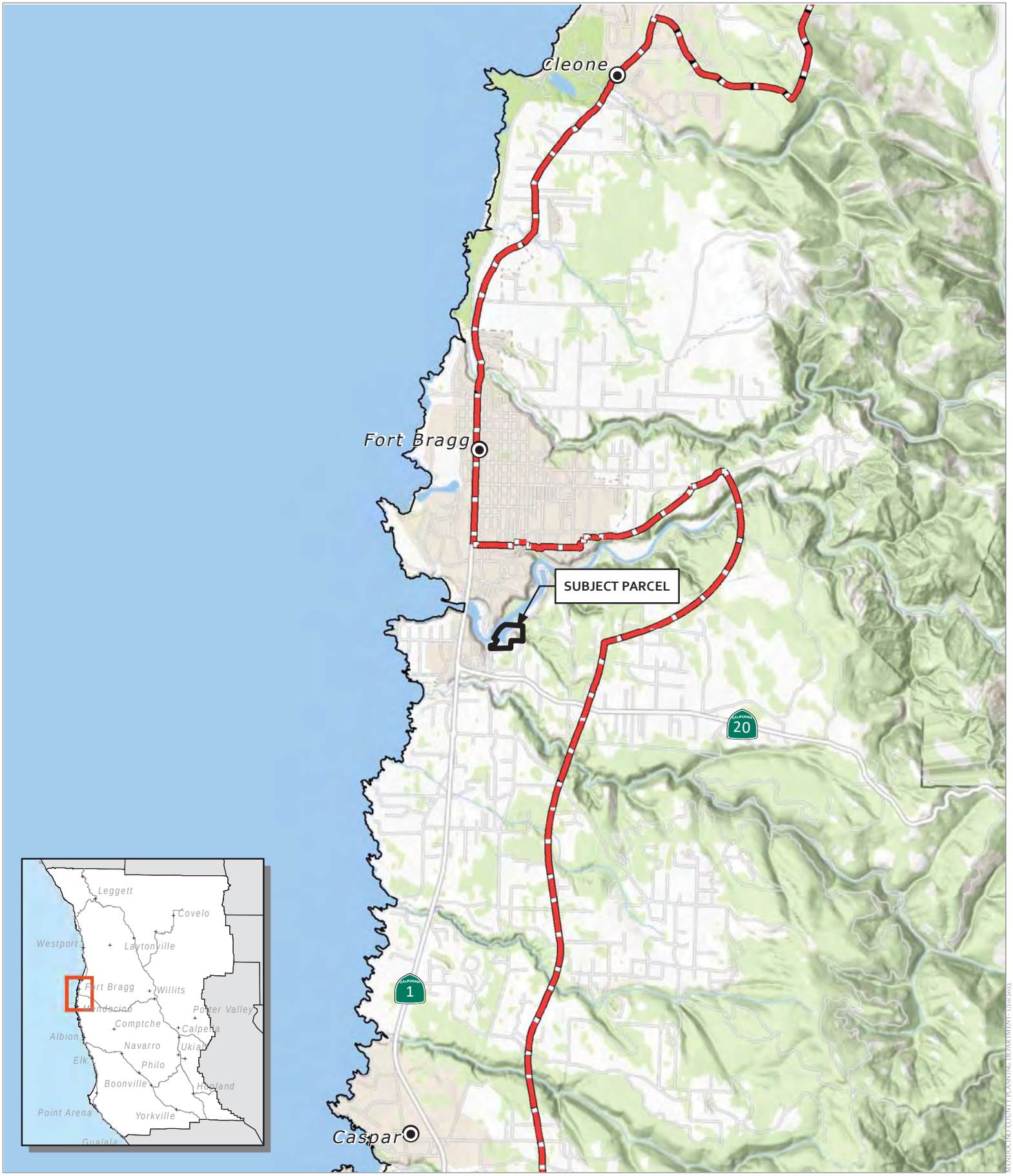
Roscoe and Associates Cultural Resources Consultants submitted a *Cultural Resource Investigation Report for the Noyo Harbor District Boat Launch Ramp and Parking Facilities* (dated January 2016) in association with a previous development project in Noyo Harbor. The study included all the grass areas of Grader Park up to the riverbank, and the majority of the gravel parking area northwest of the project. The cultural resources survey is included as a component of this permit application.



Cultural resources survey coverage map

The report concludes "that no historical resources, as defined in CEQA...were identified in the project area. This supports a finding that the proposed undertaking will result in 'No Adverse Effects to Historic Properties' and "No Substantial Adverse Change to Historical Resources.'"

The report recommended standard protocols for the inadvertent discovery during project implementation.



CASE: CDP 2023-0001
OWNER: Noyo Harbor District
APN: 018-240-22
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

Major Towns & Places

Coastal Zone Boundary

0 2,600 5,200 Feet

0 0.5 1 Miles

1:63,360

LOCATION

THIS MAP AND DATA ARE PROVIDED WITHOUT WARRANTY OF ANY KIND.
DO NOT USE THIS MAP TO DETERMINE LEGAL PROPERTY BOUNDARIES

MENDOCINO COUNTY PLANNING DEPARTMENT - 2023

CASE: CDP 2023-0001
OWNER: Noyo Harbor District
APN: 018-240-22
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

Public Roads

Private Roads

0 250 500 Feet
0 0.045 0.09 Miles
1:6,000

AERIAL IMAGERY

CASE: CDP 2023-0001
OWNER: Noyo Harbor District
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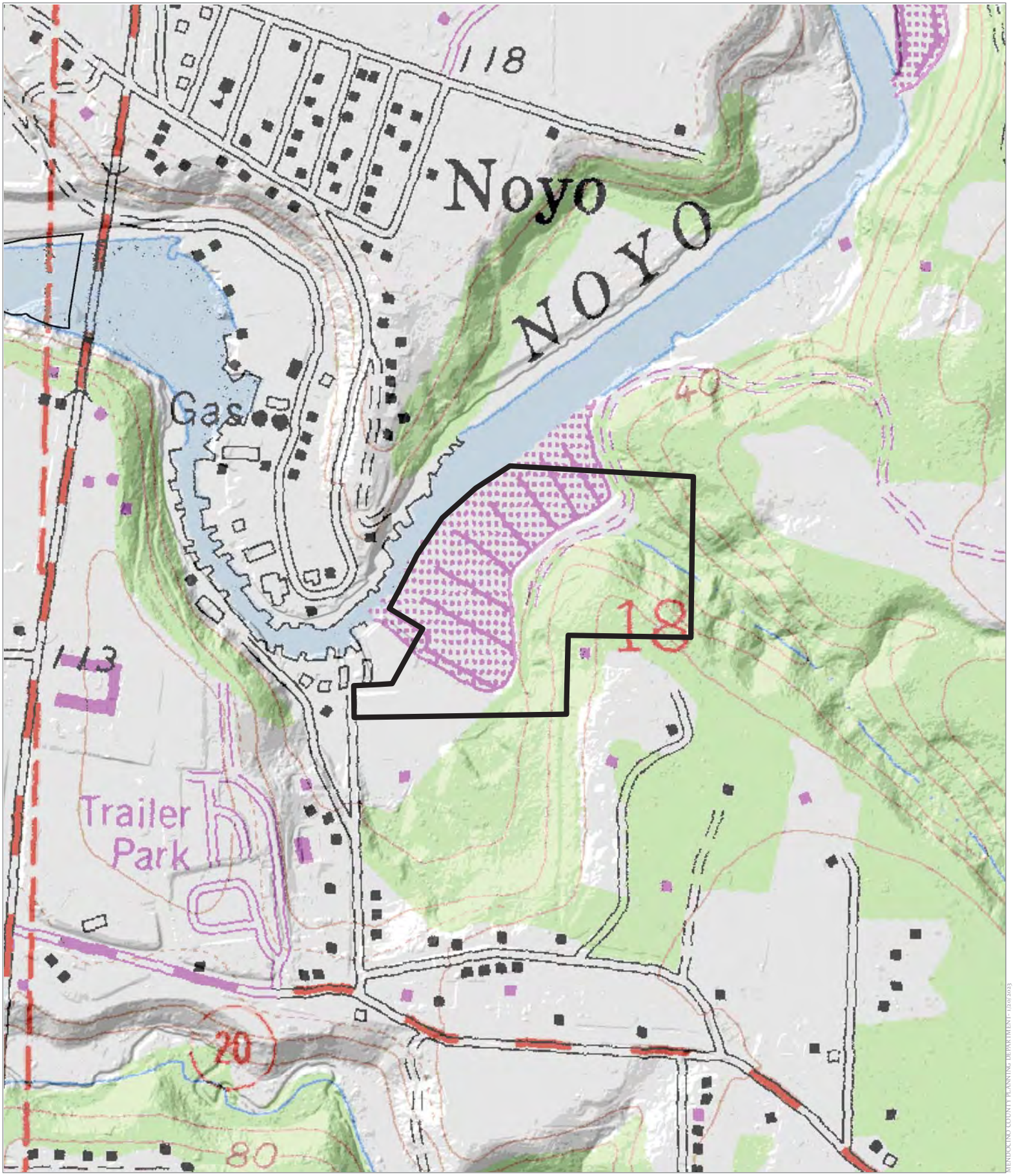
ADDRESS: 018-240-22

Public Roads

0 105 210 Feet
0 0.0175 0.035 Miles
1:2,500

AERIAL IMAGERY



CASE: CDP 2023-0001
OWNER: Noyo Harbor District
APN: 018-240-22
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

0 250 500 Feet
0 0.045 0.09 Miles
N W E S
1:6,000

TOPOGRAPHIC MAP
CONTOUR INTERVAL IS 40 FEET

NOYO HARBOR DISTRICT
GRADER PARK FISH CLEANING STATION
19101 SOUTH HARBOR DR., FORT BRAGG, CA

VICINITY MAP

DSGN	JJ
DR	JJ
CHK	JJ
APVD	

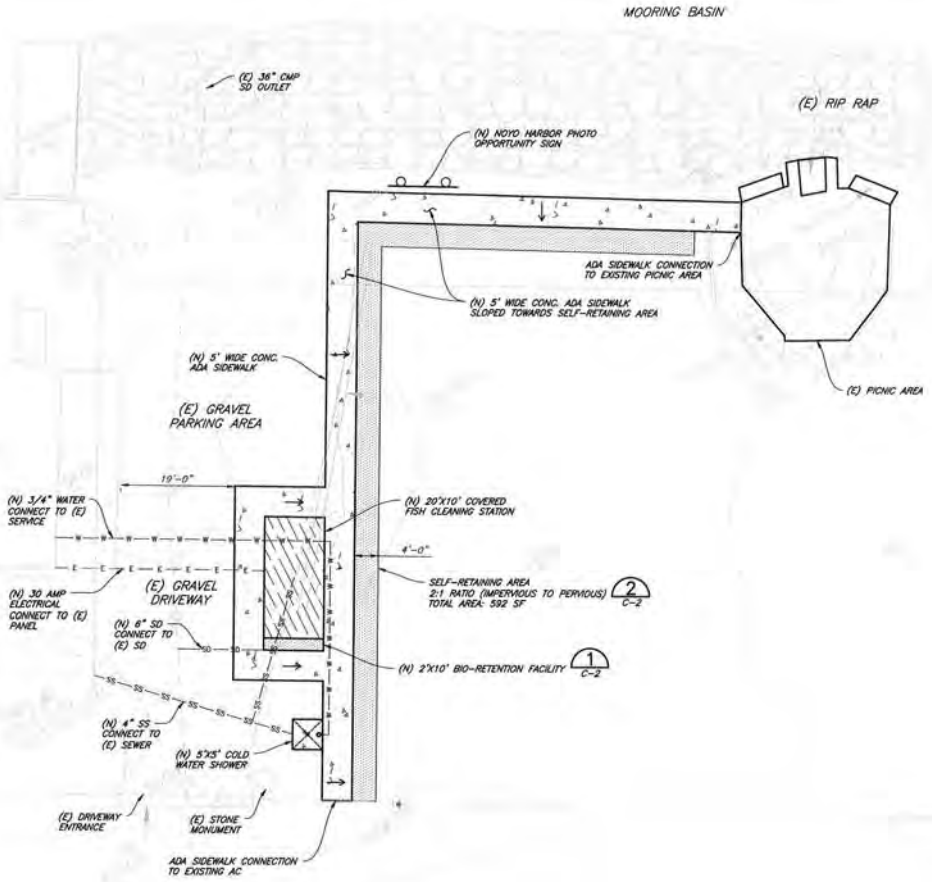
NO.	DATE	REVISION	BY

SHEET G-1
SEQ 1
DATE 8/2022
PROJ. NO. 421058.101

SHN
335 S. MAIN ST.
WILLITS, CA. 95490
WWW.SHN-ENGR.COM
707-459-4518

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY

SAVED: 1/6/2023 1:05 PM JMENDEZ, PLOTTED: 1/6/2023 1:06 PM JONATHAN MENDEZ
\\Willits\Projects\2021\421058-Noyo-CSP\101-Fish-Cleaning\Dwgs\421058.101-CIVL-VICINITY-MAP-CDP.dwg



PLAN
1"=10'

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

335 G. MAIN ST
WILLITS, CA 95490
WWW.SHN-ENGR.COM
707-459-4518

NO.	DATE	REVISION	BY

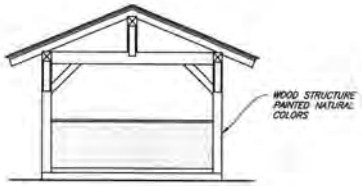
DSGN JS
DR JM
CHK JS
APVD

NOYO HARBOR DISTRICT
GRADER PARK FISH CLEANING STATION
19101 SOUTH HARBOR DR., FORT BRAGG, CA

SITE PLAN

SHEET C-1
SEQ 4
DATE 8/2022
PROJ. NO. 421058.101

SAVED: 8/24/2022 8:00 AM JSOLANO, PLOTTED: 8/24/2022 8:01 AM JSOLANO, JASON
\\Willits\Projects\2021\421058-Noyo-CDPI 101-Dsn-Cleaning\Dwgs\421058.101-CIVIL-SITE-CDP.dwg



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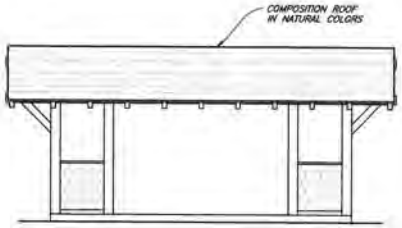

RIGHT
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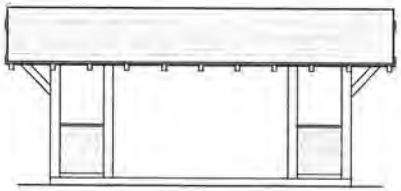
BACK
1/4"=1'-0"



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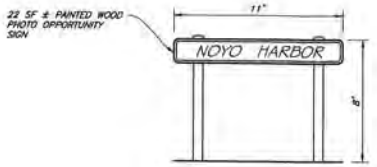

SIGN
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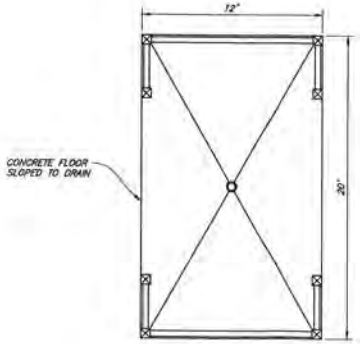


FLOOR PLAN
1/4"=1'-0"

VAS
333 S. MAIN ST.
WILLITS, CA 95490
WWW.VASCIVIL.COM
707-459-4018

KERRY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

NO.	DATE	REVISION	BY

DSGN JB
DR JB
CHK JB
APVD

NOYO HARBOR DISTRICT
GRADER PARK FISH CLEANING STATION
19101 SOUTH HARBOR DR., FORT BRAGG, CA

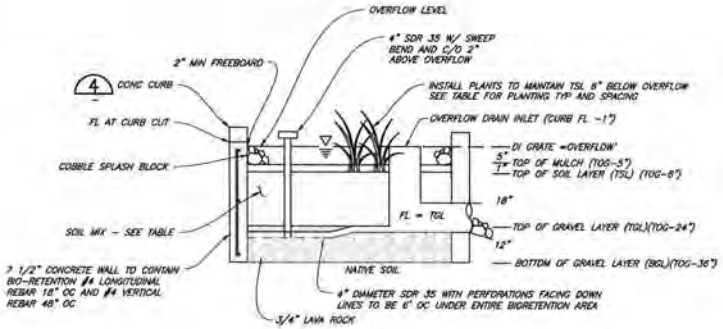
ELEVATIONS

SHEET A-1
SEQ 3
DATE 8/2022
PROJ. NO. 421058.101

SAVED: 8/24/2022 8:19 AM JSOANO, PLOTTED: 8/24/2022 8:20 AM JSOANO, JASON
I:\Willits\Projects\2021\421058-Noyo-CSP\101-Fish-Cleaning\Dwgs\421058.101-ARCH-COP.dwg

BIO-RETENTION PLANTING INFORMATION

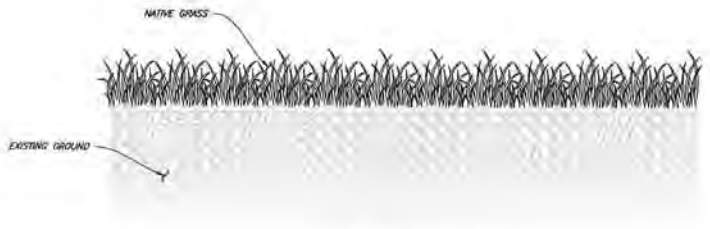
AREA	PLANT DESCRIPTION	SPACING	SOIL	IRRIGATION
	JUNCUS PATENS "ELK BLUE" WIRE GRASS, BLUE RUSH	EVENLY SPACED EVERY 3'	SOIL MIX PER TABLE	WATER BY HAND TWICE WEEKLY DURING DRY MONTHS FOR FIRST YEAR UNTIL ESTABLISHED



BIO-RETENTION SOIL SPECIFICATIONS

PARAMETER	RANGE	REPORTED AS (UNITS)
ORGANIC MATTER CONTENT	35-75	%, DRY WEIGHT BASIS
CARBON TO NITROGEN RATIO	15:1 TO 25:1	RATIO
MATURITY (SEED EMERGENCE AND SEEDING VIGOR)	>80	AVERAGE % OF CONTROL
STABILITY (CO_2 EVOLUTION RATE)	<8	mg CO_2 -C/g UNIT OM/DAY
SOLUBLE SALTS (SALINITY)	<6.0	mmhos/cm
PH	6.5-8.0 MAY VARY W/ PLANT SPECIES	UNITS
HEAVY METALS CONTENT	PASS	PASS/FAIL US EPA CLASS A STD 40 CFR § 503.13 TABLES 1 & 3
PATHOGENS		
FECAL COLIFORM	PASS	PASS/FAIL US EPA CLASS A STD 40 CFR § 503.32(A) LEVELS
SALMONELLA	PASS	PASS/FAIL US EPA CLASS A STD 40 CFR § 503.32(A) LEVELS
NUTRIENT CONTENT (PROVIDE ANALYSIS INCLUDING):		
TOTAL NITROGEN (N)	≥0.9	%
TOTAL BORON (B)	<80	PPM
CALCIUM (Ca)	FOR INFO ONLY	%
SODIUM (Na)	FOR INFO ONLY	%
MAGNESIUM (Mg)	FOR INFO ONLY	%
SULFUR (S)	FOR INFO ONLY	%

DETAIL 1
NTS
(BIO-RETENTION FACILITY)



DETAIL 2
NTS
(SELF-RETAINING AREA)

335 S. MAIN ST.
WILLITS, CA 95490
WWW.SHN-ENGR.COM
707-459-4518

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY

NO.	DATE	REVISION	BY

DESIGN JH
DRF JH
CHK JH
APVD JH

NOYO HARBOR DISTRICT
GRADER PARK FISH CLEANING STATION
19101 SOUTH HARBOR DR., FORT BRAGG, CA

DETAILS

SHEET C-2
SCD 5
DATE 8/2022
PROJ. NO. 421058.101

SAVED: 9/12/2022 1:45 PM JENNIFER, PLOTTED: 9/24/2022 8:55 AM ISLAND, JASON
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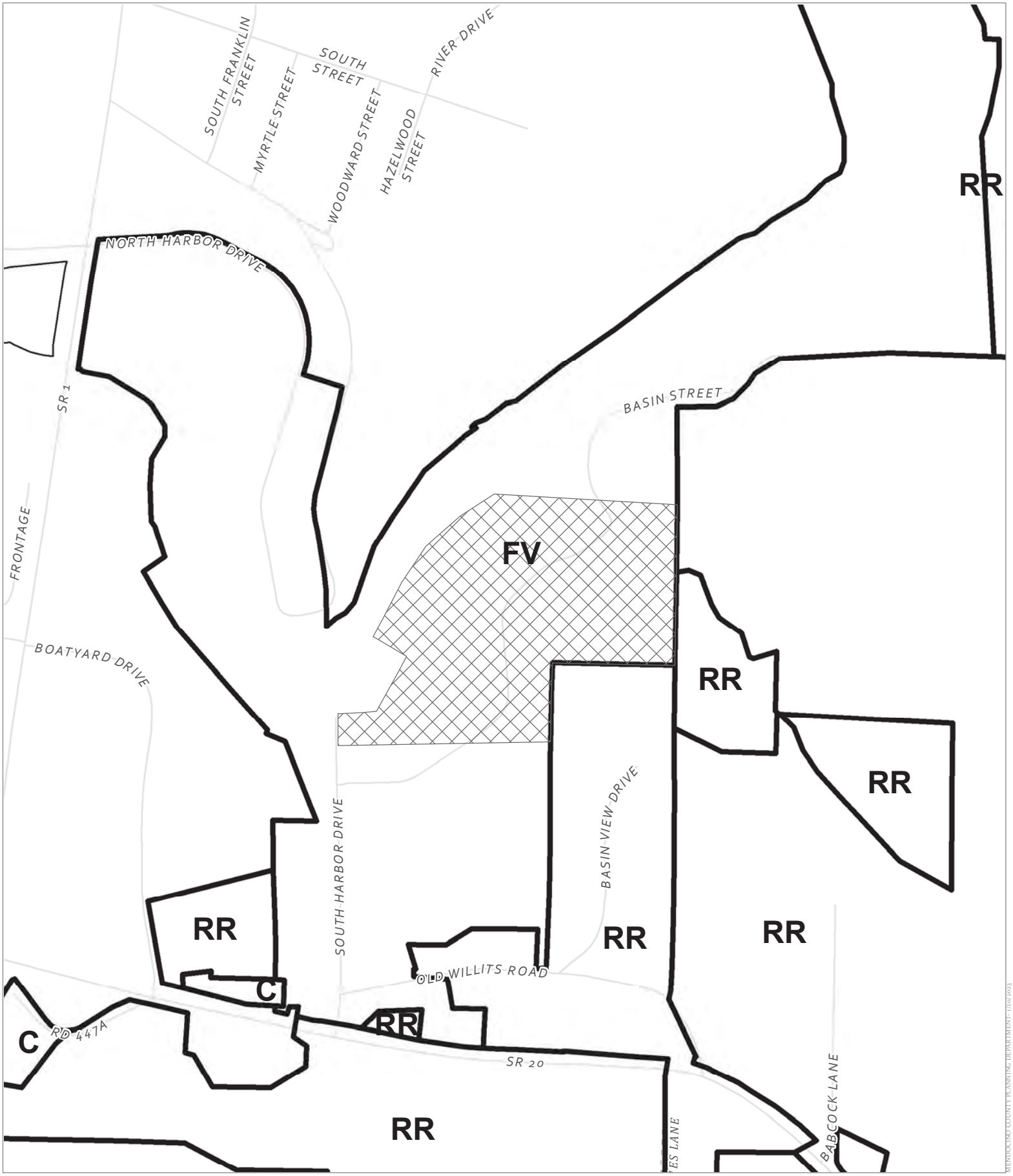


CASE: CDP 2023-0001
OWNER: Noyo Harbor District
APN: 018-240-22
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

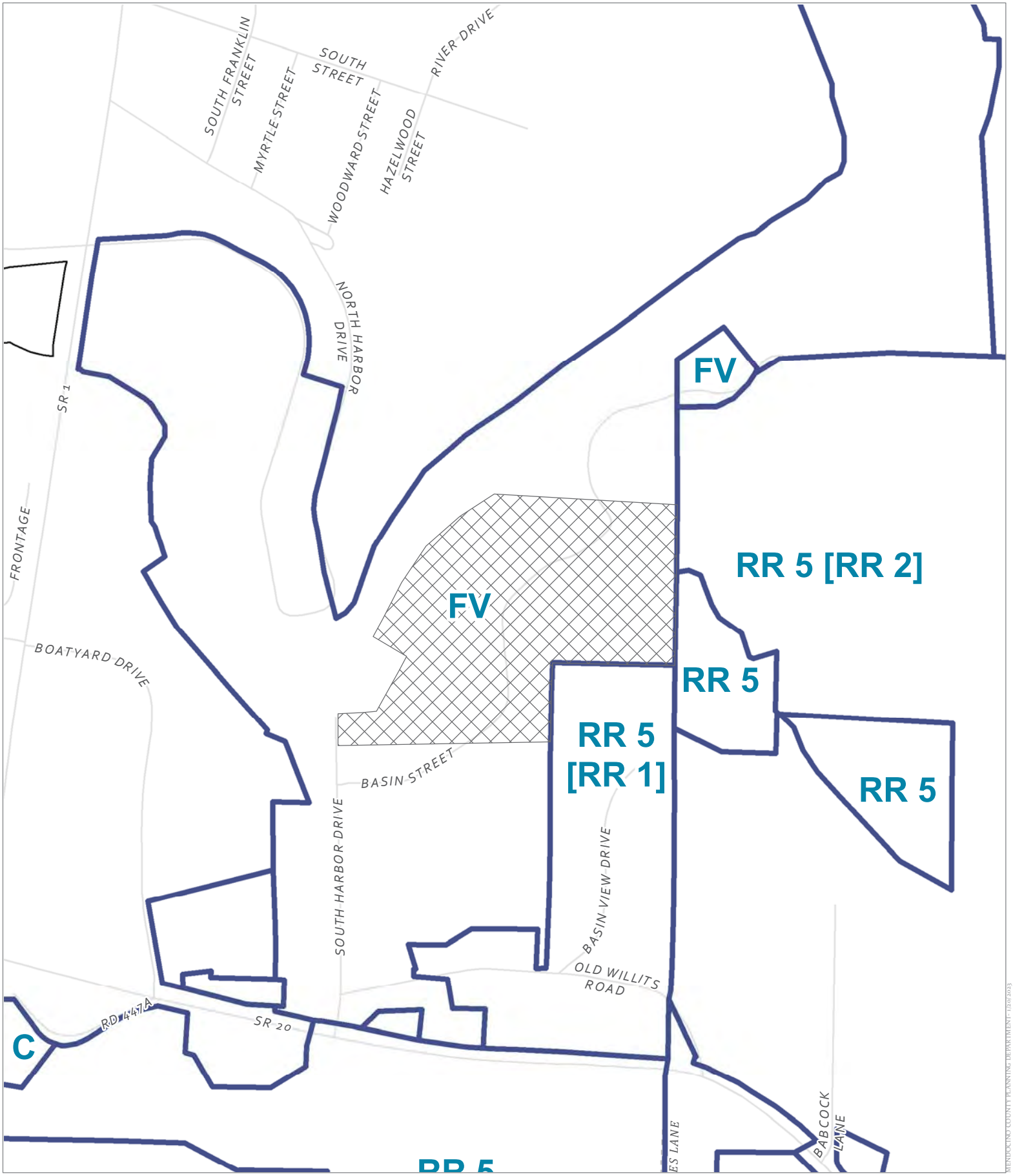
Zoning Districts

Public Roads

0 250 500 Feet
0 0.045 0.09 Miles
1:6,000

ZONING

THIS MAP AND DATA ARE PROVIDED WITHOUT WARRANTY OF ANY KIND.
DO NOT USE THIS MAP TO DETERMINE LEGAL PROPERTY BOUNDARIES



CASE: CDP 2023-0001
OWNER: Noyo Harbor District
APN: 018-240-22
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

General Plan Classes

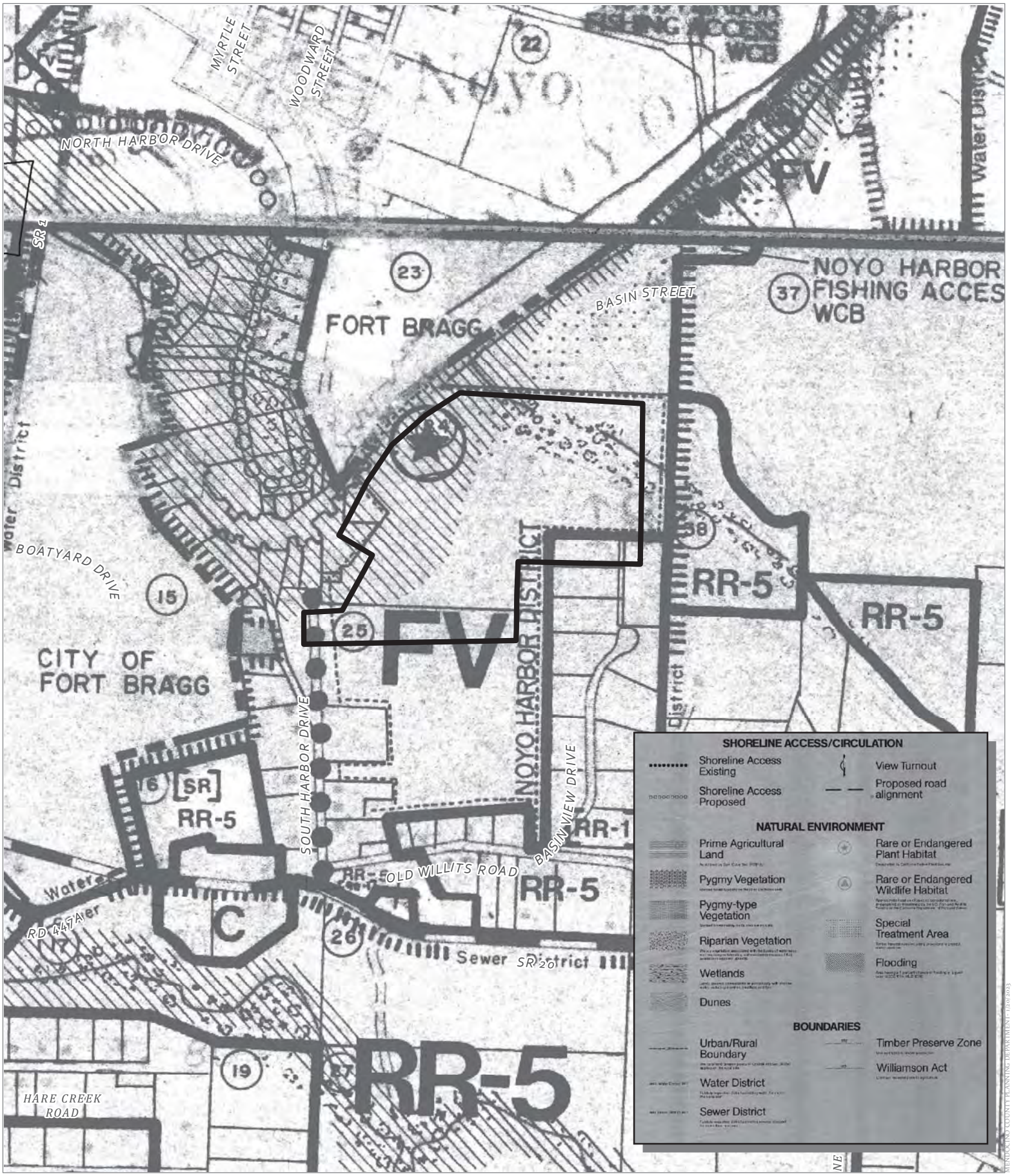
Public Roads

0 250 500 Feet
0 0.045 0.09 Miles
1:6,000

N W E S

GENERAL PLAN

MENDOCINO COUNTY PLANNING DEPARTMENT - 12.01.2023



CASE: CDP 2023-0001
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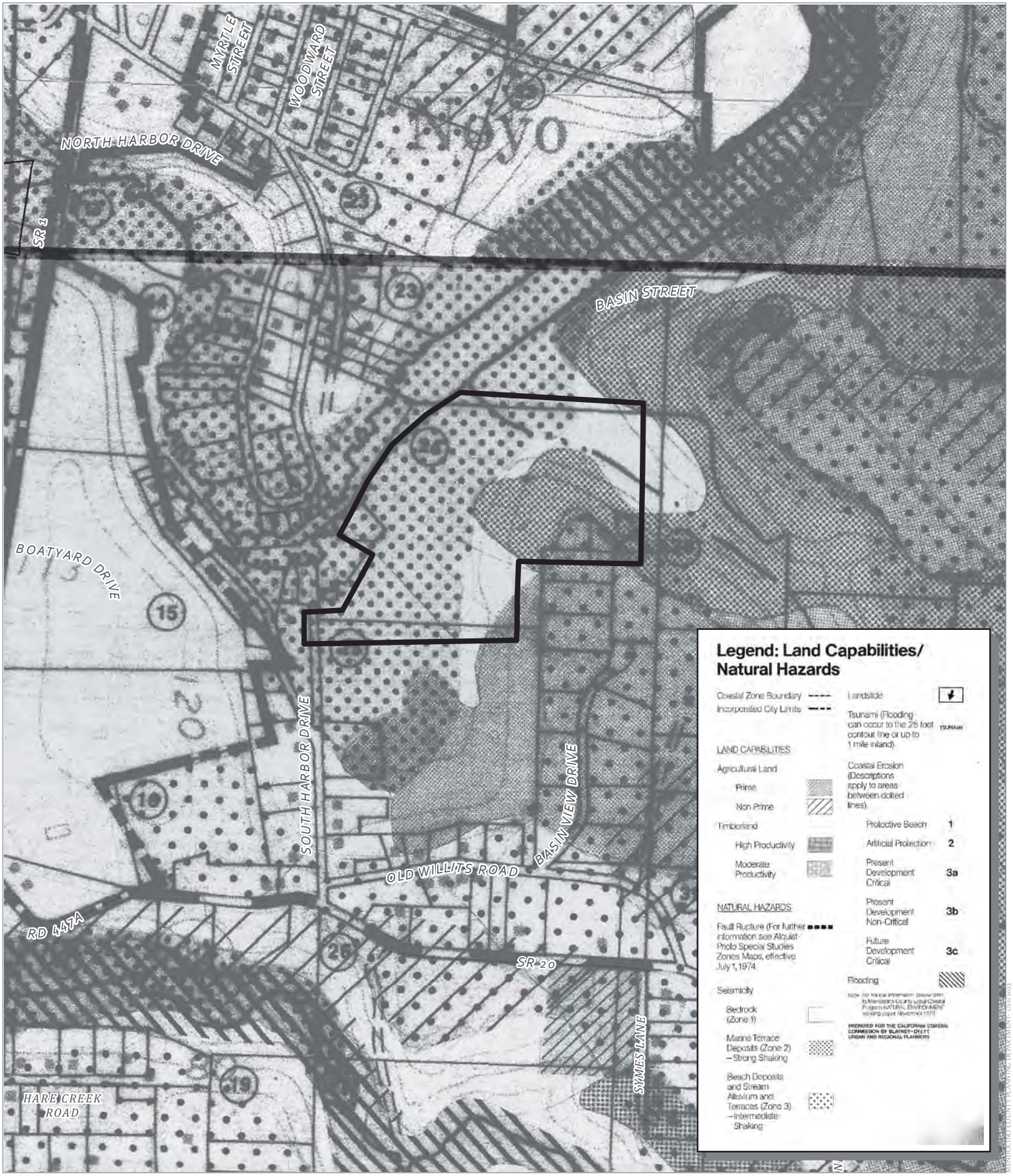
ADDRESS: 018-240-22

Public Roads

0 250 500 Feet
0 0.045 0.09 Miles
1:6,000

LCP LAND USE MAP 14: BEAVER



CASE: CDP 2023-0001
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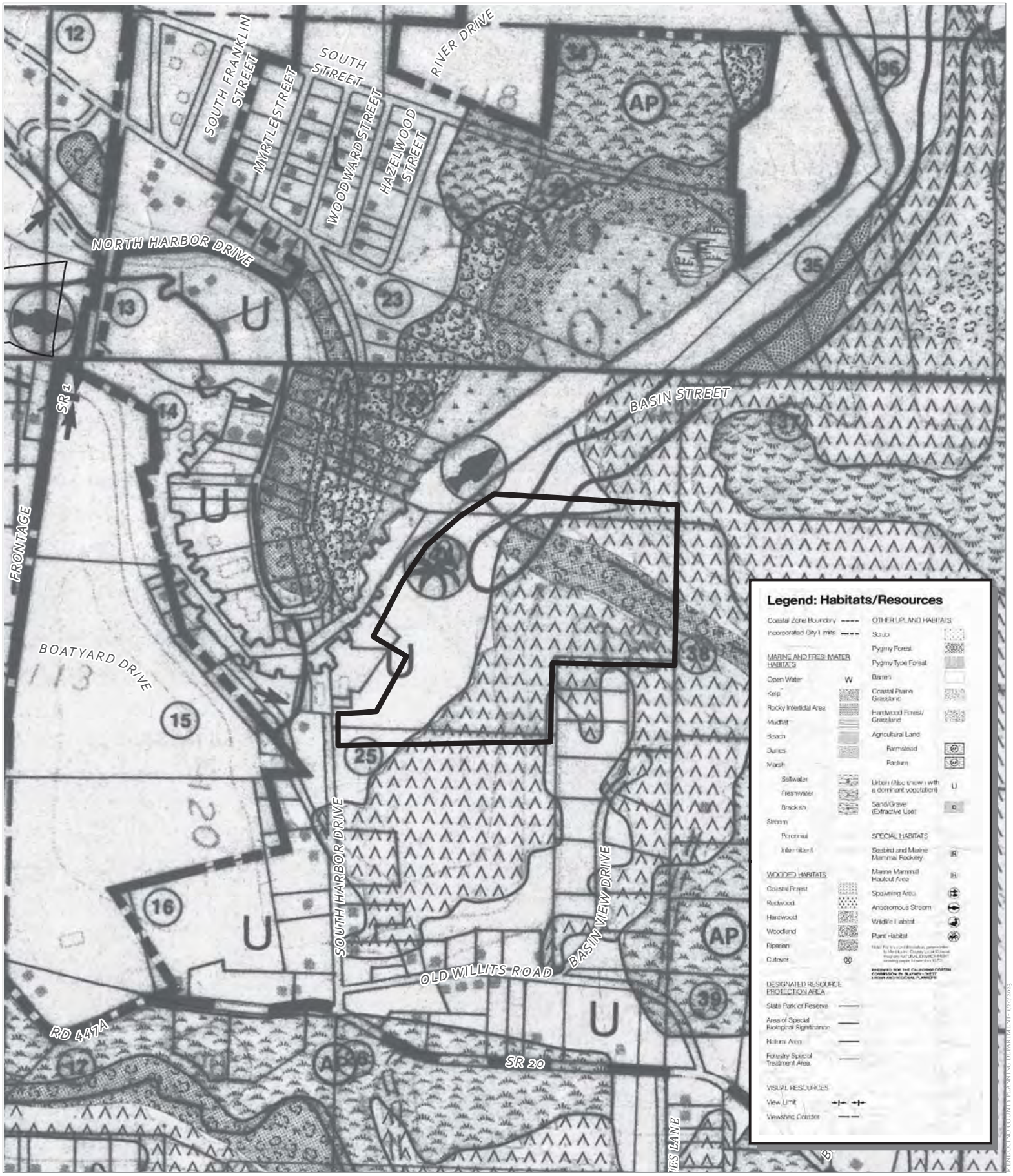
ADDRESS: 018-240-22

Public Roads

0 250 500 Feet
0 0.045 0.09 Miles
1:6,000

LCP LAND CAPABILITIES & NATURAL HAZARDS



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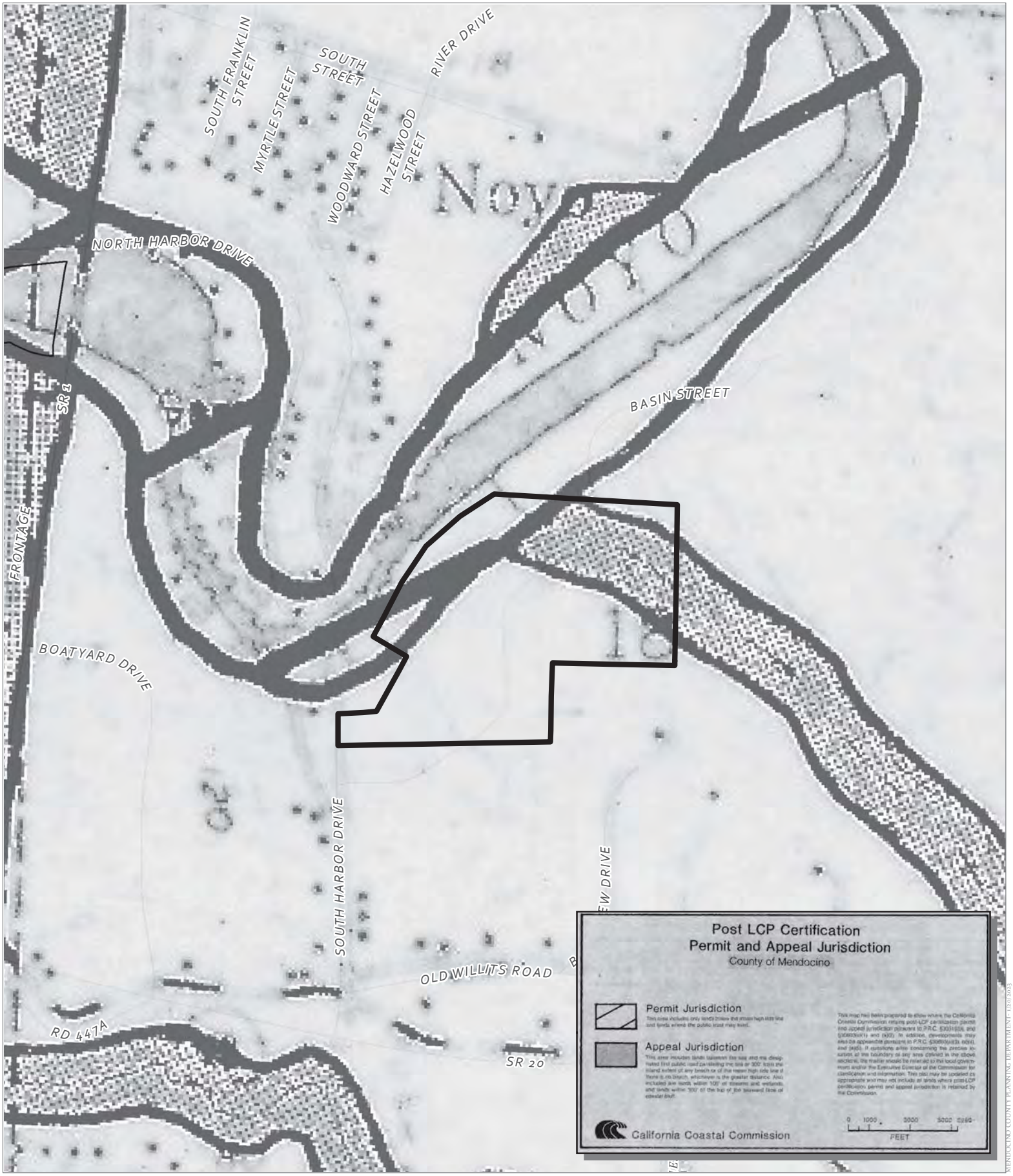
ADDRESS: 018-240-22

Public Roads

0 250 500 Feet
0 0.045 0.09 Miles
1:6,000

LCP HABITATS & RESOURCES



CASE: CDP 2023-0001
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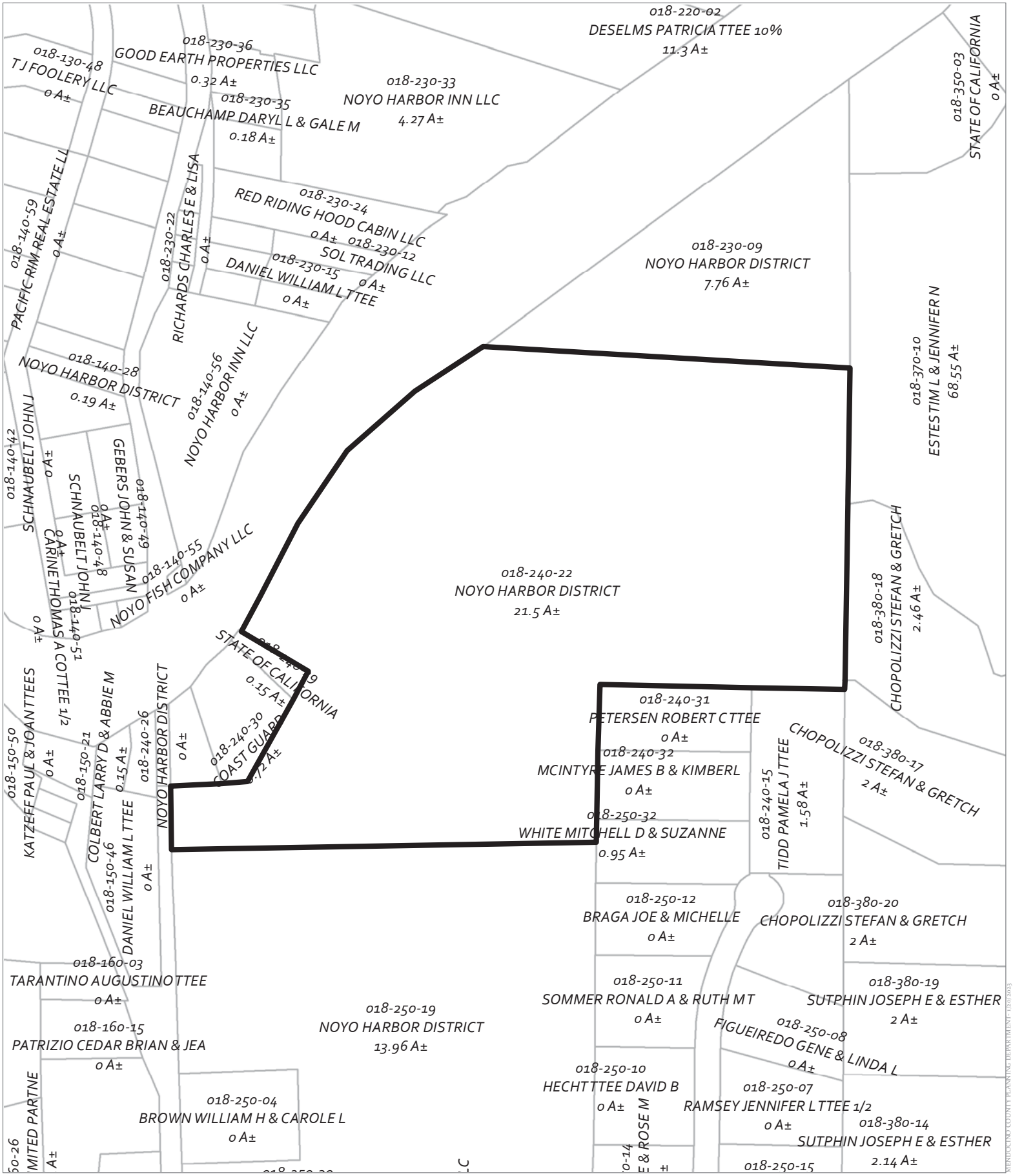
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

Public Roads

0 250 500 Feet
0 0.045 0.09 Miles
1:6,000

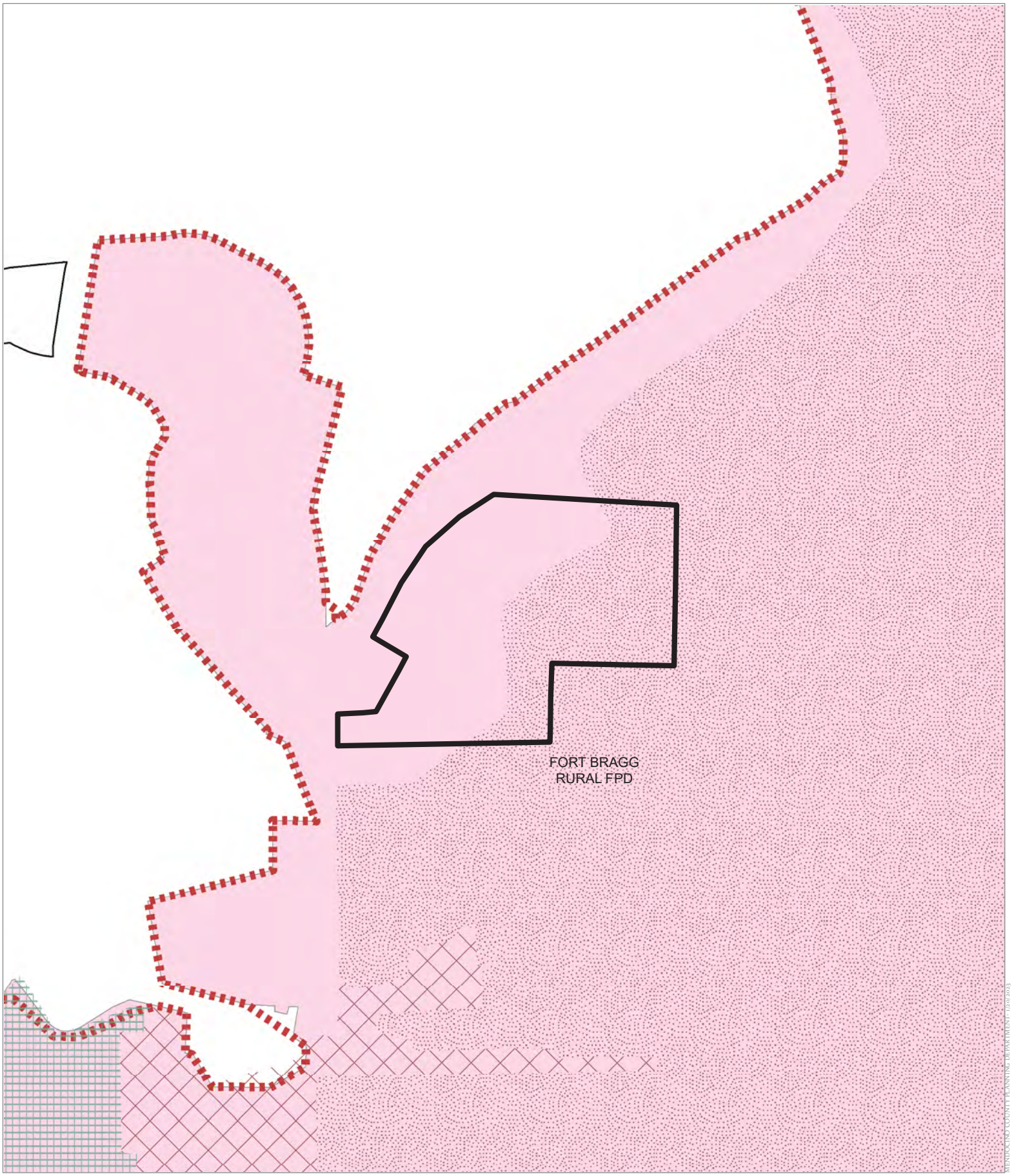
POST LCP CERTIFICATION & APPEAL JURISDICTION



CASE: CDP 2023-0001
OWNER: Noyo Harbor District
APN: 018-240-22
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

0 125 250 Feet
0 0.02 0.04 Miles
1:3,000

ADJACENT PARCELS

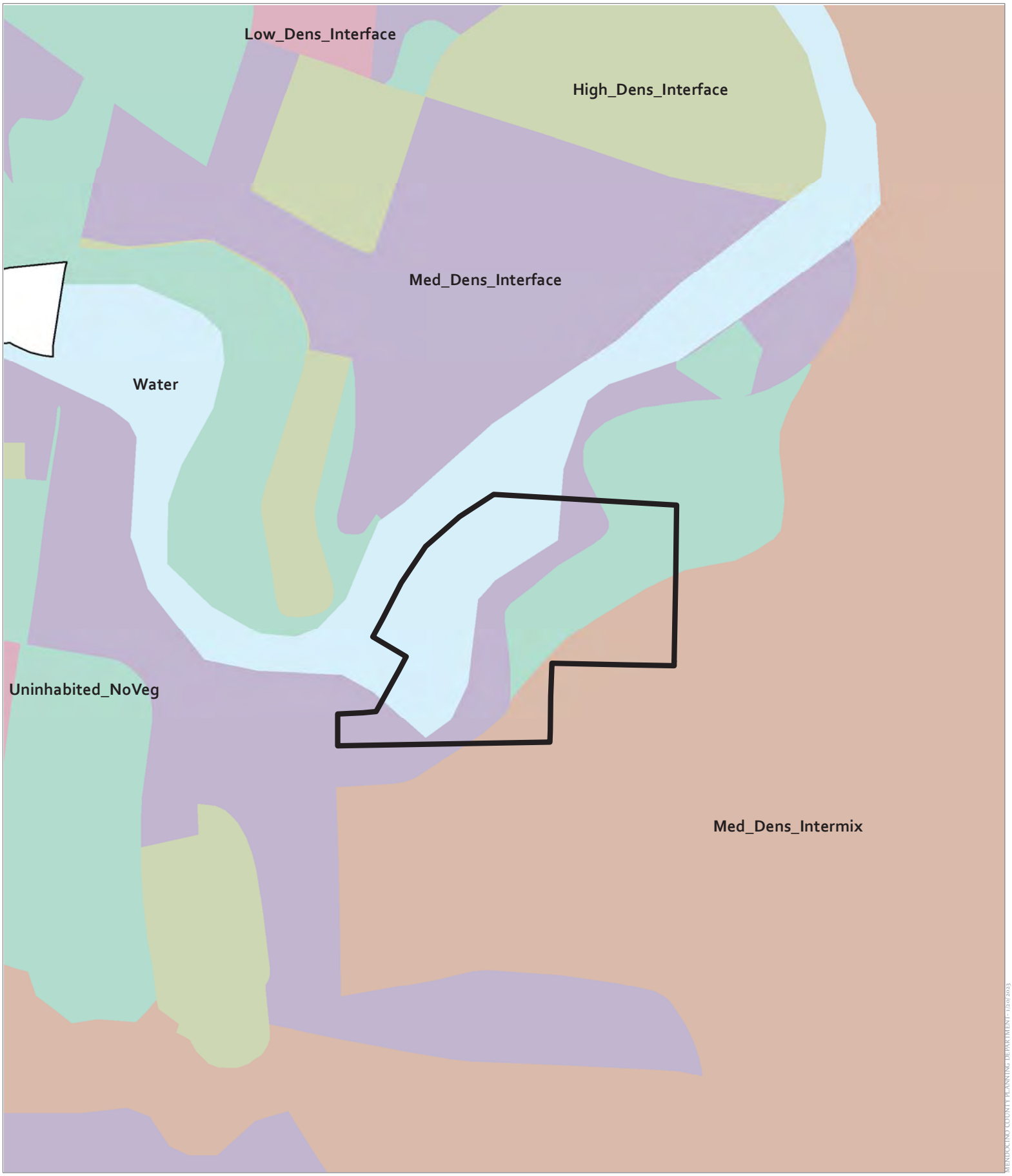


CASE: CDP 2023-0001
OWNER: Noyo Harbor District
APN: 018-240-22
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

Very High Fire Hazard
Moderate Fire Hazard
High Fire Hazard
County Fire Districts

0 250 500 Feet
0 0.045 0.09 Miles
1:6,000

FIRE HAZARD ZONES & RESPONSIBILITY AREAS
STATE RESPONSIBILITY AREA



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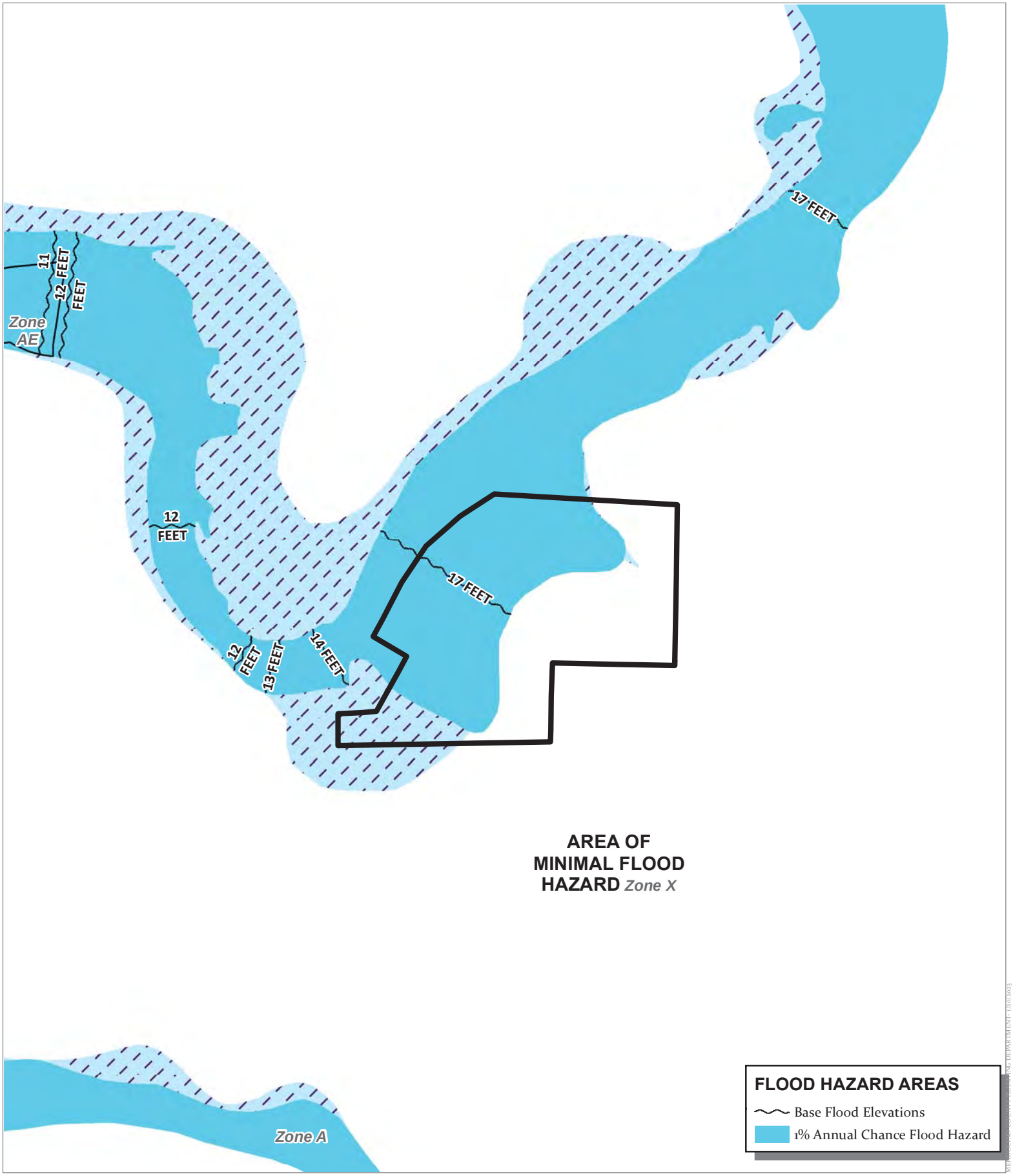
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

0 250 500 Feet
0 0.045 0.09 Miles
1:6,000

N W E S

WILDLAND-URBAN INTERFACE



FLOOD HAZARD AREAS

Base Flood Elevations

1% Annual Chance Flood Hazard

Tsunami Inundation Zones

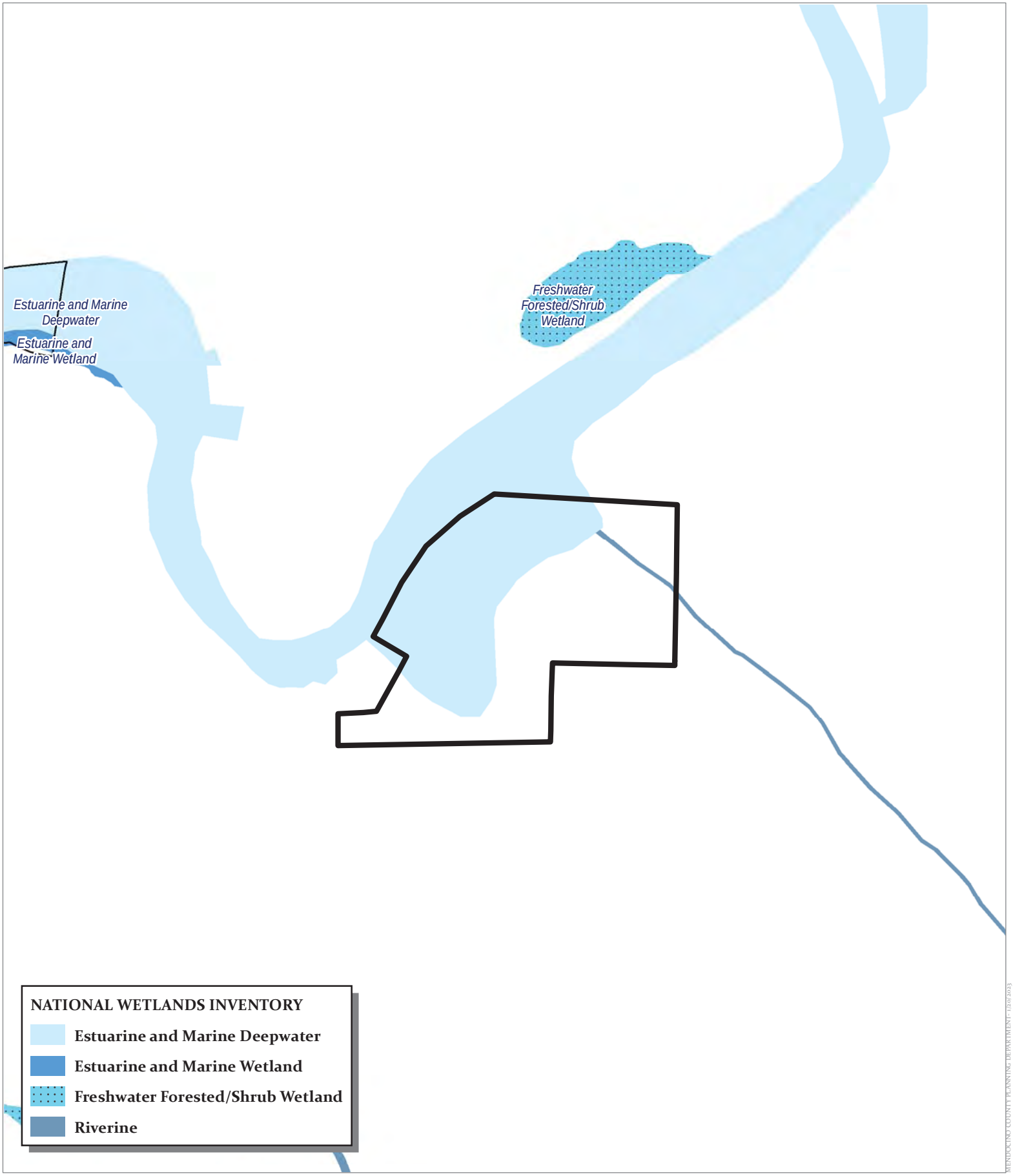
0 250 500 Feet

0 0.045 0.09 Miles

1:6,000

CASE: CDP 2023-0001
OWNER: Noyo Harbor District
APN: 018-240-22
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

FLOOD & TSUNAMI INUNDATION ZONES



NATIONAL WETLANDS INVENTORY

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland
- Riverine

MENDOCINO COUNTY PLANNING DEPARTMENT - 12.07.2023

CASE: CDP 2023-0001
OWNER: Noyo Harbor District
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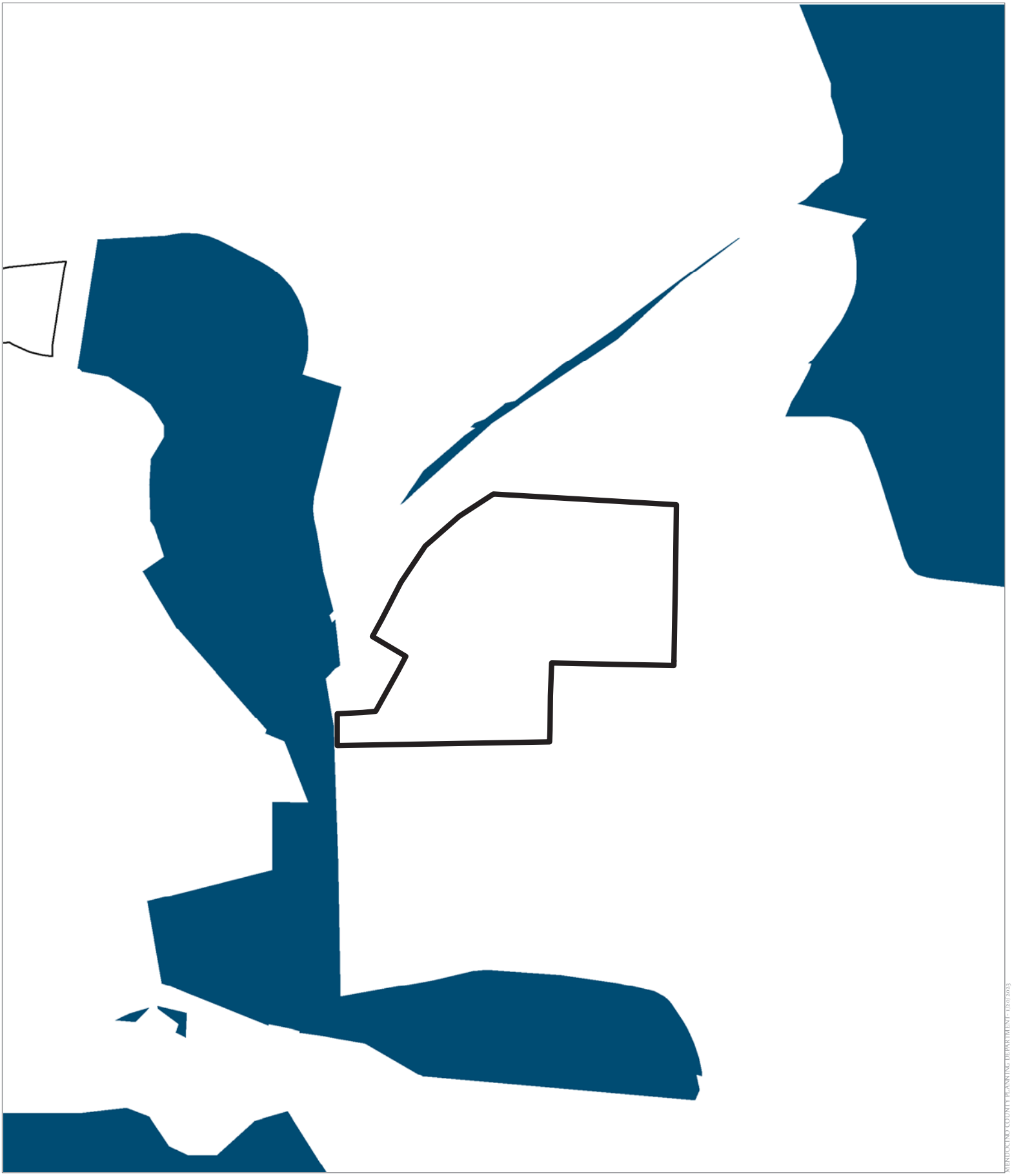
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

0 250 500 Feet
0 0.045 0.09 Miles
1:6,000

N W E S

WETLANDS



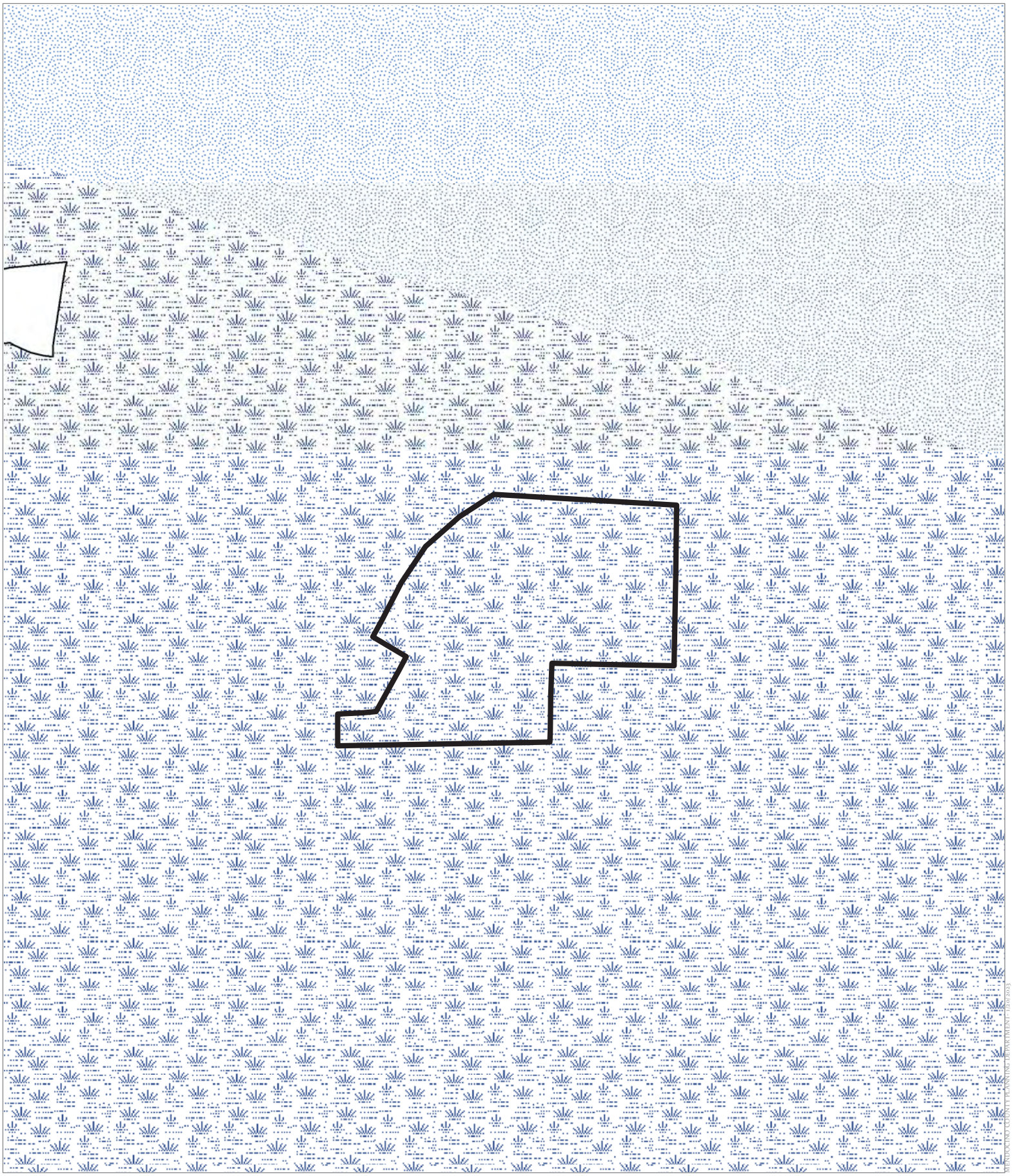
CASE: CDP 2023-0001
OWNER: Noyo Harbor District
APN: 018-240-22
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

Fort Bragg Stormwater Areas

0 250 500 Feet
0 0.045 0.09 Miles
N W E S
1:6,000

MS4 STORMWATER

MENDOCINO COUNTY PLANNING DEPARTMENT - 10.09.2023



CASE: CDP 2023-0001
OWNER: Noyo Harbor District
APN: 018-240-22
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

Marginal Water Resources

Sufficient Water Resources

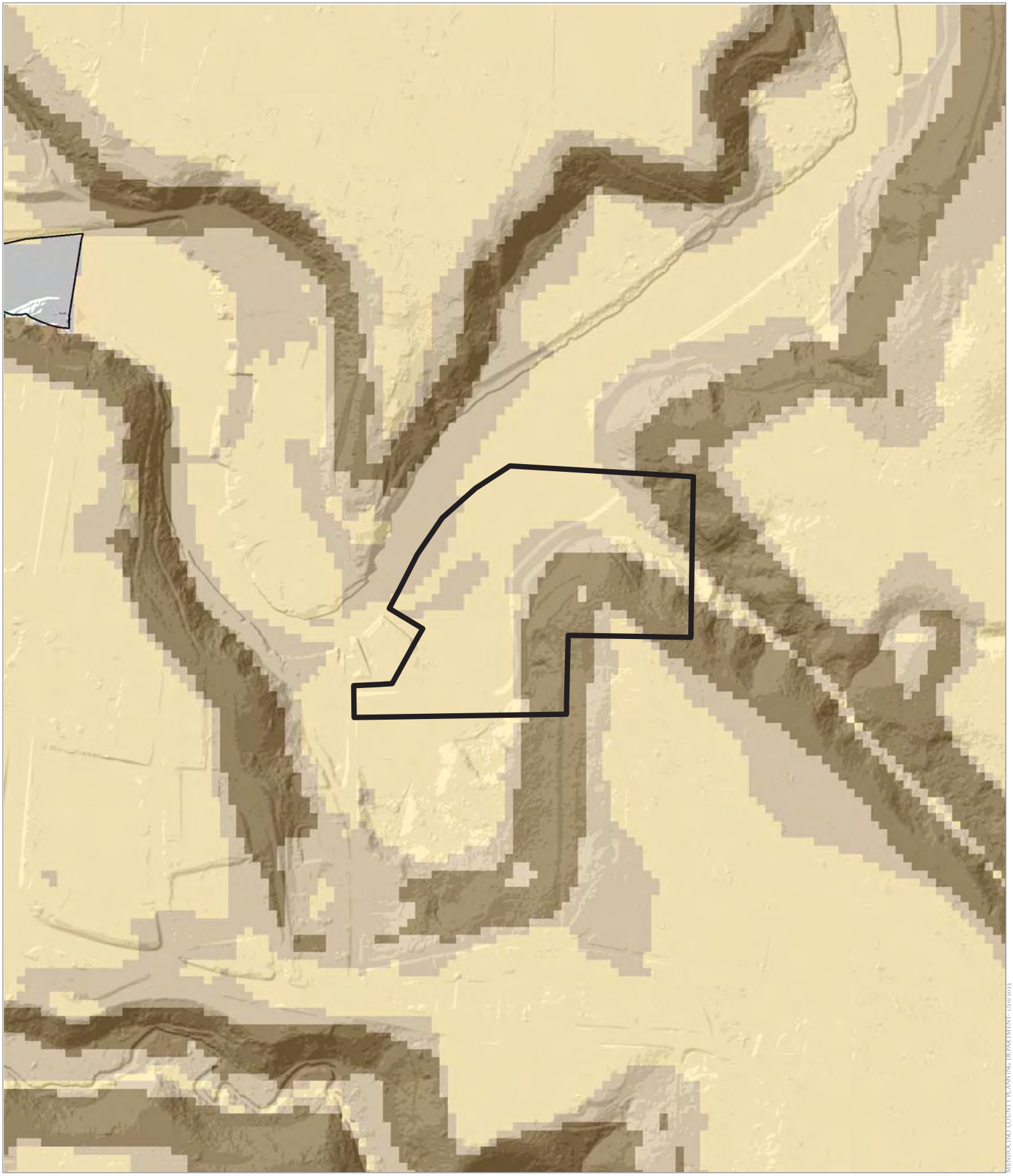
0 250 500 Feet

0 0.045 0.09 Miles

N W E S

1:6,000

COASTAL GROUND WATER RESOURCES



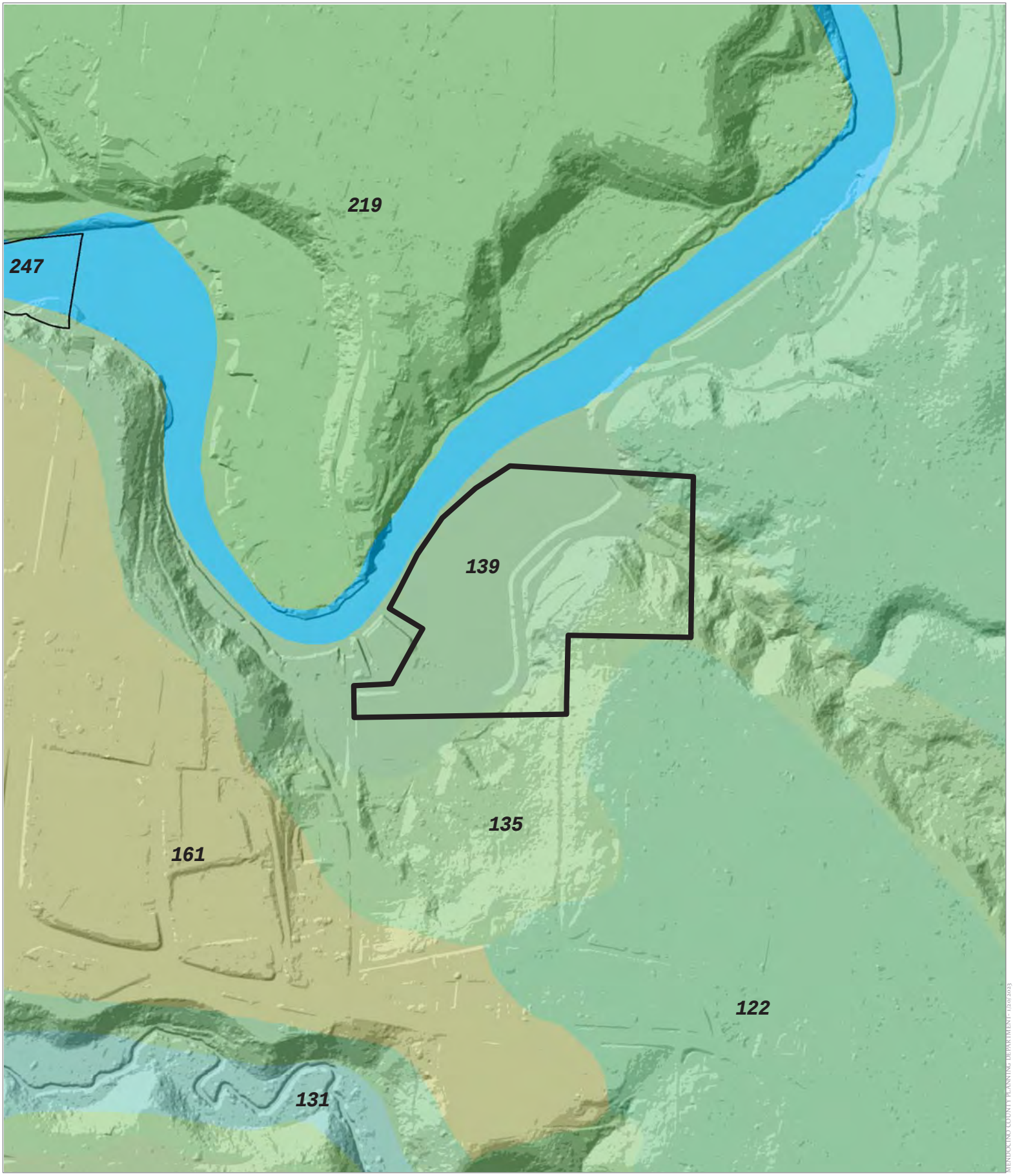
CASE: CDP 2023-0001
OWNER: Noyo Harbor District
APN: 018-240-22
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

0° - 14°
15° - 32°
33° - 72°

0 250 500 Feet
0 0.045 0.09 Miles
1:6,000

N W E S

ESTIMATED SLOPE



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APLCT: Noyo Harbor District
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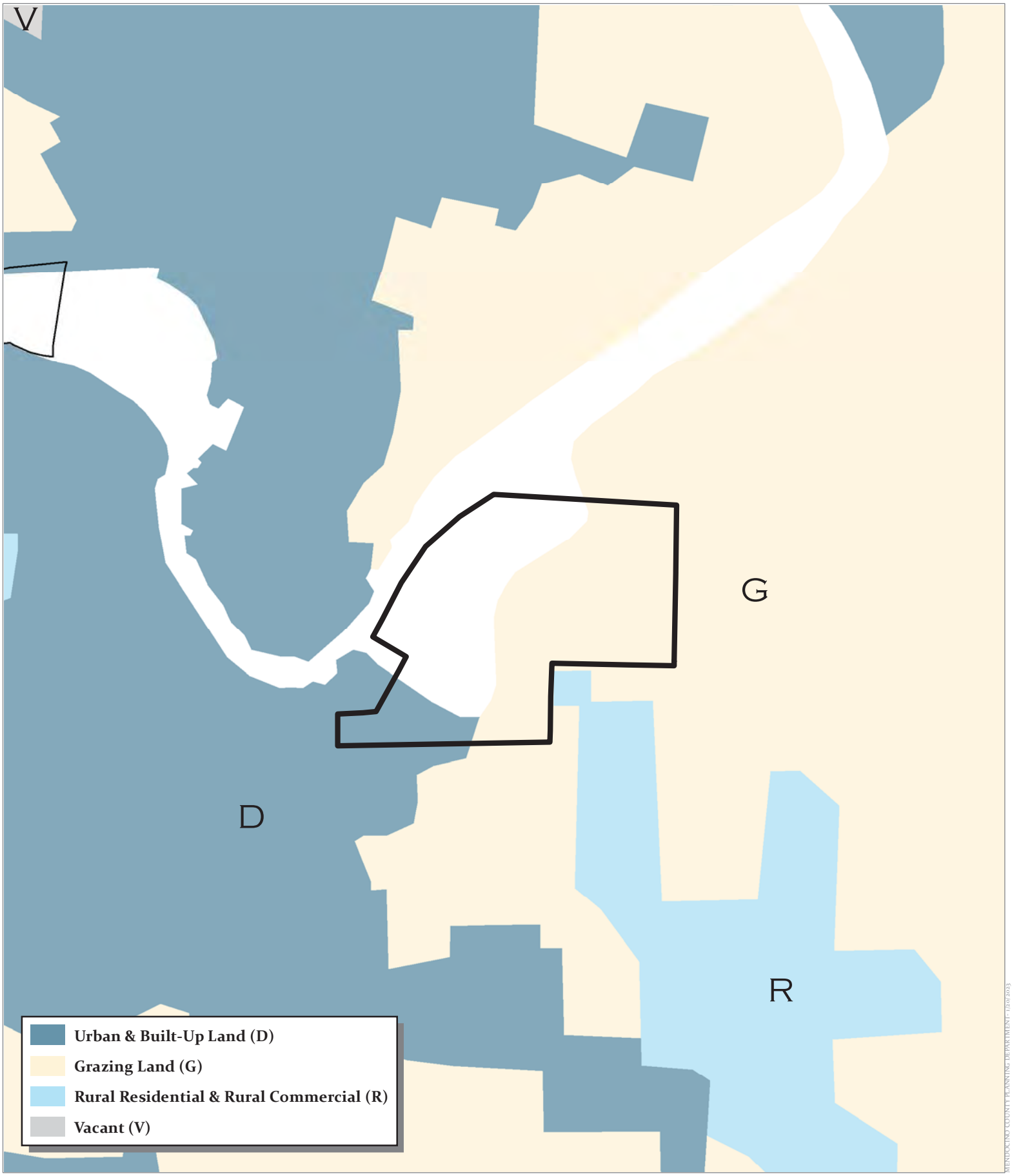
ADDRESS: 018-240-22

0 250 500 Feet
0 0.045 0.09 Miles
1:6,000

N W E S

WESTERN SOIL CLASSIFICATIONS



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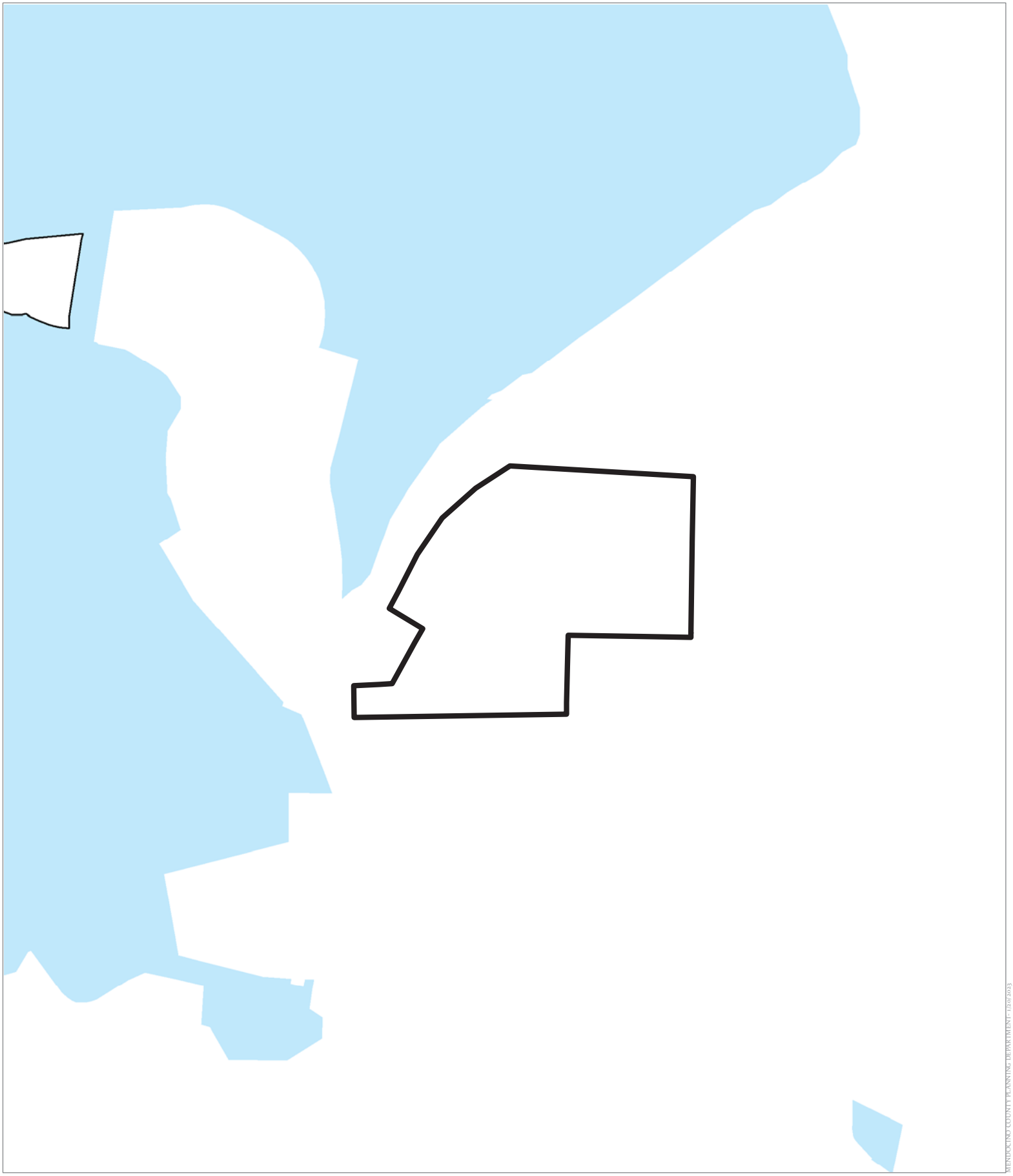
0 250 500 Feet
0 0.045 0.09 Miles
1:6,000

IMPORTANT FARMLANDS



CASE: CDP 2023-0001
OWNER: Noyo Harbor District
APN: 018-240-22
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

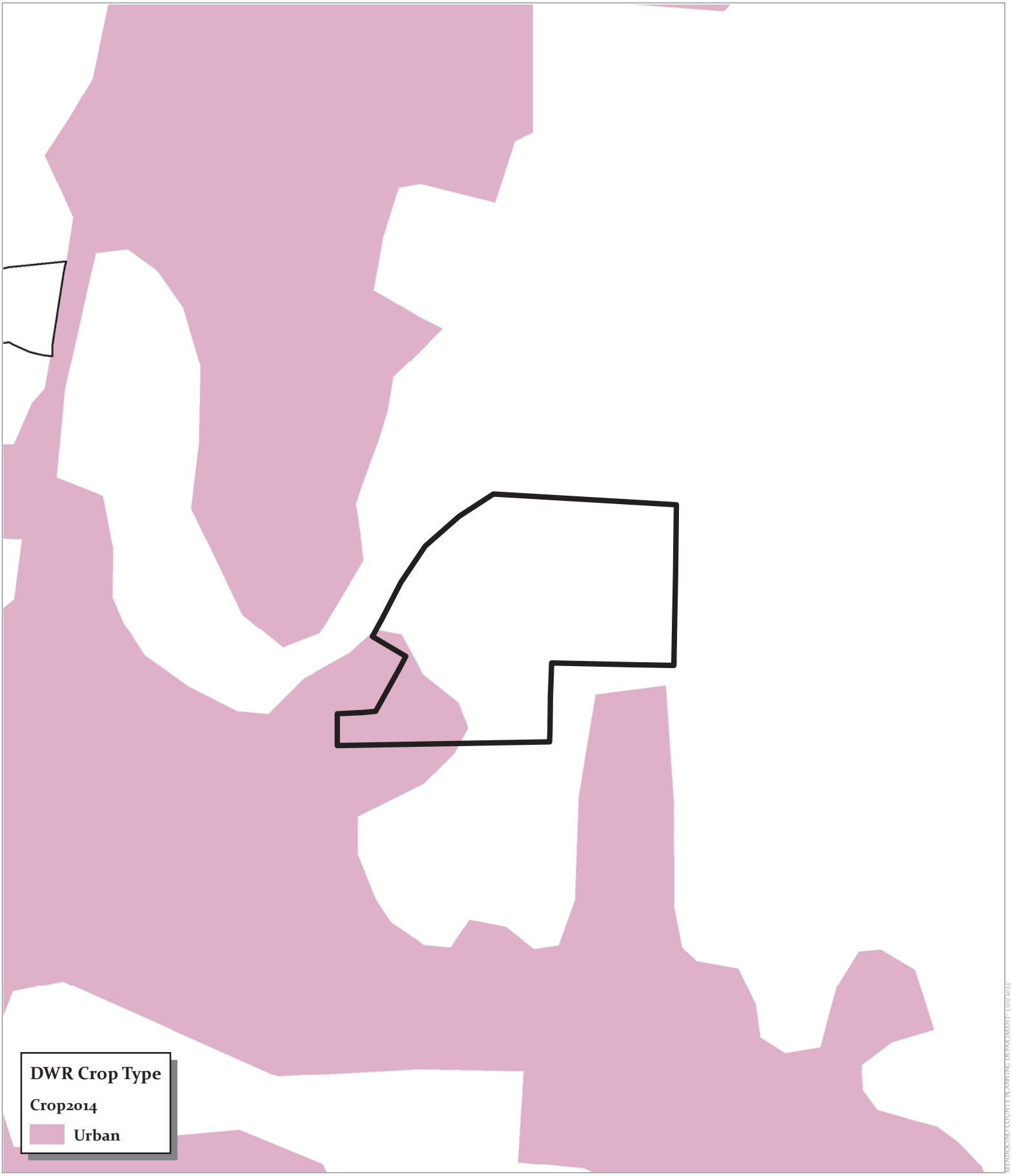
County Water Districts

0 250 500 Feet
0 0.045 0.09 Miles
1:6,000

N W E S

WATER DISTRICTS

MENDOCINO COUNTY PLANNING DEPARTMENT - 12.07.2023



CASE: CDP 2023-0001
OWNER: Noyo Harbor District
APN: 018-240-22
APLCT: Noyo Harbor District
AGENT: SHN, Scott Perkins
ADDRESS: 018-240-22

0 250 500 Feet
0 0.045 0.09 Miles
N W E S
1:6,000

CROP TYPE

Phone: (707) 822-5785 Email: info@shn-engr.com Web: shn-engr.com
1062 G Street, Suite I, Arcata, CA 95521-5800

Reference: 421058.101

April 20, 2022

Scott Perkins
SHN
329 E. Redwood Avenue
Fort Bragg, CA 95437

Subject: Habitat Assessment, Grader Park Fish Cleaning Station, Fort Bragg

Dear Scott Perkins:

Introduction

On March 31, 2022, an SHN biologist conducted an early season survey for special-status botanical species[1] and Environmentally Sensitive Habitat Area (ESHA) within the area of potential effects for the construction of a Fish Cleaning Station and associated park improvements within Grader Park in the City of Fort Bragg (see Figure 1). Grader Park is an existing developed park space (Appendix 1, Photos 7-9) operated by the Noyo Harbor District and is lightly used throughout the year with periods of intensive use during special events.

The study area for the survey covers approximately one acre, which was primarily mowed grassy parkland with park infrastructure along the perimeter, including gravel paths, picnic tables, barbeques, parking, and roadways, with the eastern edge of the park bounded by a rip-rapped bank of the Noyo River, which is part of the Noyo Harbor Marina (see Figure 1 and Appendix 1, Photos 1-9). The field investigation was conducted on the morning of March 31, 2022, from 10:30 a.m. to 11:30 a.m. The study area encompasses the developed Grader Park, which is in turn surrounded by development on all sides, mostly related to the Noyo Harbor Marina. To the west is the large boat basin parking lot and South Harbor Drive (Appendix 1, Photo 7), to the north are several structures associated with the boat basin and the Coast Guard (Appendix 1, Photo 1), to the east is the rip-rapped slope of the Noyo River and the berths for the boat basin (Appendix 1, Photos 2, 4-6, and 9), and to the south is Basin Street (Appendix 1, Photo 7), beyond which is a native species-dominated slope and stream. Using aerial imagery, the study area appears to have remained unchanged over the last 20 years. Harbor-related use of the site with its present configuration prior to that time was likely developed in conjunction with the marina.

The project site has a central location at latitude and longitude 39.422800° and -123.801428°.

[1]The term "Special-status Species" is used collectively to refer to species that are State or federally listed, species that are State or federal candidates for listing, and all species listed by the California Natural Diversity Database. This term is consistent with the biological resources that need to be assessed pursuant to the California Environmental Quality Act.

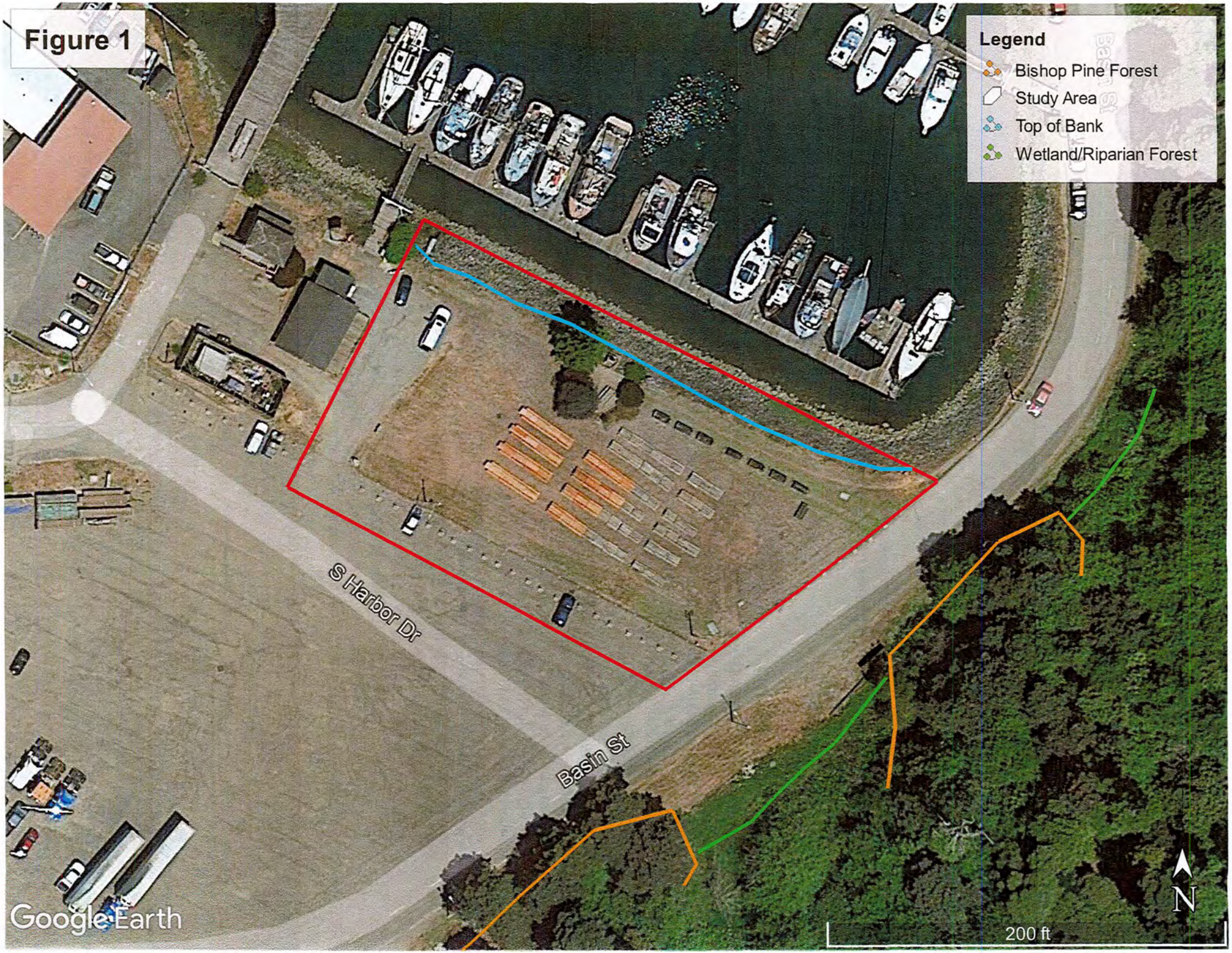


Figure 1
Legend
Bishop Pine Forest
Study Area
Top of Bank
Wetland/Riparian Forest
S Harbor Dr
Basin St
Google Earth
N
200 ft

Methods

A list of plant species potentially occurring within the study area was developed from information available from the California Natural Diversity Data Base (CDFW, 2022), California Native Plant Society (CNPS, 2022) rare plant inventory, and the United States Fish and Wildlife Information for Planning and Conservation (IPaC; USFWS, 2022) for known special-status botanical species within the Fort Bragg and adjacent 7.5-minute quadrangles. Using the available data, a total of 79 special-status botanical species are known to occur within the Fort Bragg and surrounding quadrangles. Of these, 12 special-status botanical species have a moderate or high potential of occurring within the study area with additional species potentially occurring within habitat adjacent to the study area (see Appendix 2, Table 1 for special-status botanical species potentially occurring within the survey area). The bulk of the species with low or no potential of occurrence occupy wetlands, rocky serpentinitic, or forested habitats not present within the highly manipulated and disturbed mowed grass and parkland dominated by non-native grass species and subject to regular anthropogenic disturbance.

Appendix 2, Table 1, presents the botanical species reported from the queries, their preferred habitat, and whether there is suitable habitat present within the study area for the species. Each species was evaluated for its potential to occur within the study area according to the following criteria:

1) **None**. Species listed as having "none" with regard to their potential to occur on the study area are those species for which:
   - there is no suitable habitat present in the study area. (Habitats in the study area are unsuitable for the species requirements [e.g., elevation, hydrology, plant community, disturbance regime, etc.])

2) **Low**. Species listed as having a "low" potential to occur in the study area are those for which:
   - there is no known record of occurrence in the vicinity of the study area; and
   - there is marginal or very limited suitable habitat present in the study area.

3) **Moderate**. Species listed as having a "moderate" potential to occur on the study area are those species for which:
   - there is a known record of occurrence in the vicinity of the study area; and
   - there is suitable habitat present in the study area.

4) **High**. Species listed as having a "high" potential to occur in the study area are those species for which:
   - there is a known record of occurrence in the vicinity of the study area (there are many records and/or records in close proximity); and
   - there is highly suitable habitat present in the study area.

5) **Present**. Species listed as "present" in the study area are those species for which:
   - the species was observed in the study area during the investigations.

Biological Investigation

A protocol-level early season floristic survey was conducted to investigate species composition within the study area, determine site suitability for special-status botanical species, and to document ESHA including wetlands and vegetation communities within and adjacent to the study area. The purpose of this investigation was to determine the suitability of the study area for special-status botanical species based on site conditions and to determine the need for additional surveys.

A list of all botanical species encountered was compiled. Plants were identified to the lowest taxonomic level possible to distinguish special-status species from others. A list of observed botanical species is attached as Appendix 2, Table 2. Botanical nomenclature follows *The Jepson Manual, Vascular Plants of California* (Baldwin et al., 2012), and subsequent online revisions (Jepson Flora Project, 2022). Surficial wetland conditions (including hydrophytic vegetation dominance, or wetland hydrology) were used to identify potential wetlands, and the Manual of California Vegetation (Sawyer et al., 2009) and any subsequent online editions was used to document sensitive vegetation communities potentially occurring within the vicinity of the study area.

Results

The study area consists of a small, developed park and associated infrastructure. This includes a mowed lawn area that covers the majority of the study area, sidewalks and gravel pathways, asphalt, picnic tables, barbeques, and limited landscaping (Appendix 1, Photos 7-9). A total of 54 botanical species (not including landscaping plants) were observed within the study area, of which 76 percent were non-native species (see Appendix 2, Table 2). Non-native species were observed to be dominant across the study area, displaying greater than 99 percent cover. Dominant species included prostrate capeweed (*Arctotheca prostrata*), which covered approximately 65 percent of the mowed grassland within the park (Appendix 1, Photos 3, 4, 8, and 9). No special-status botanical species were observed within the study area, and it is unlikely that special-status species would occur within the study area on account of the regular maintenance and use for park-dependent activities.

No sensitive vegetation communities or areas with hydrophytic vegetation dominance were observed within the study area and limited habitat for special-status botanical species occurs within the study area. The Noyo River occurs immediately adjacent to the study area and represents potential ESHA. While the Noyo River and associated riverine habitat does represent habitat for special-status species, the riverbank in the vicinity of the project area is covered in rip-rap and supports little vegetation. There are isolated populations of brackish marsh-dependent vegetation growing within the rip-rap, primarily marsh jaumea (*Jaumea carnosa*) and Pacific seaside plantain (*Plantago maritima*). The riverbank riprap extents up to the edge of Grader Park (Appendix 1, Photos 4-6), however the proposed fish cleaning station will be located approximately 50 feet from the top of bank (Appendix 1, Photos 1-3). Path improvements associated with the fish cleaning station will come to the top of bank but will be sited approximately five feet from the edge of rip-rap within the footprint of an existing pathway (Appendix 1, Photo 4).

Additional potential ESHA occurs outside of the study area south of Basin Street, including a stream, wetlands, and associated red alder riparian forest (*Alnus rubra* riparian forest, an S2.2 sensitive

vegetation community; Appendix 1, Photo 10) and Bishop pine forest (*Pinus muricata* forest and woodland Alliance, an S3.2 sensitive vegetation community; Appendix 1, Photo 11). These potential ESHA areas are separated from the project area by existing development (Basin Street, parkland, and parking lot) and is over 240 feet from the proposed location of the fish cleaning station at its nearest point and 75 feet from Grader Park at its nearest point (see Figure 1).

Conclusion and Recommendations

This Habitat Assessment was conducted to determine the suitability of the site for special-status botanical species and to determine the occurrence and location of potential ESHA within and adjacent to the study area. In addition, a protocol-level early season floristic survey was conducted to determine the species composition of the study area and to assess the suitability of the area for special-status plant occurrence. No special-status species were observed within the study area. Although 12 special-status species were determined to have moderate to high potential of occurrence within the study area, the use of the area for a park and past and current development make the area unsuitable for special-status species and no further study is warranted.

Potential ESHA occur within the vicinity of the study area. The Noyo River exists immediately adjacent to Grader Park, however conditions are heavily manipulated for use as a marina, with docks and rip-rapped banks limiting habitat potential. The proposed project consists of a fish cleaning station and minor park improvements that will not impact the Noyo River or its banks. Recommendations contained at the end of this report will further minimize potential disturbance and may improve habitat conditions along the top of bank along the Noyo River at Grader Park. Other potential ESHA located within the vicinity of the project area will not be impacted by this project, as the project scope is minimal and limited to previously developed parkland. Furthermore, the edge of sensitive vegetation communities is over 200 feet from the project area and separated by development.

The following recommendations are provided to improve habitat conditions along the top of bank between Grader Park and the rip-rapped slope:

- Install temporary construction fencing between the project footprint and the top of bank to minimize accidental encroachment during construction. Temporary fencing should remain in place for the duration of construction activities and should be removed following the completion of the project.
- Proper Best Management Practices should be installed during construction to minimize soil erosion and prevent stormwater from entering the Noyo River. This includes straw wattles, silt fencing, seed free straw, and native plant mix for revegetating bare areas.
- Utilize native plant species in any landscaping that may be associated with this project.

Please feel free to call me at (707) 822-5785 or email me at jsaler@shn-engr.com if you have any questions.

Respectfully submitted,
SHN

Joseph Saler
Senior Biologist

SP: JLS: cet

Appendices

1. Site Photographs
2. Plant Species Lists

References

Baldwin, B.G., Goldman, D.H., Keil, D.J., R. Patterson, Rosatti, T.J., Wilken, D.H. (eds). (2012). The Jepson Manual: Vascular Plants of California, Second Edition. Berkeley, CA:University of California Press, Berkeley.

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Site Photographs

1

Photo 1: Looking northwest across proposed location for the fish cleaning station. Note existing development and mowed lawn. Photo taken March 31, 2022.

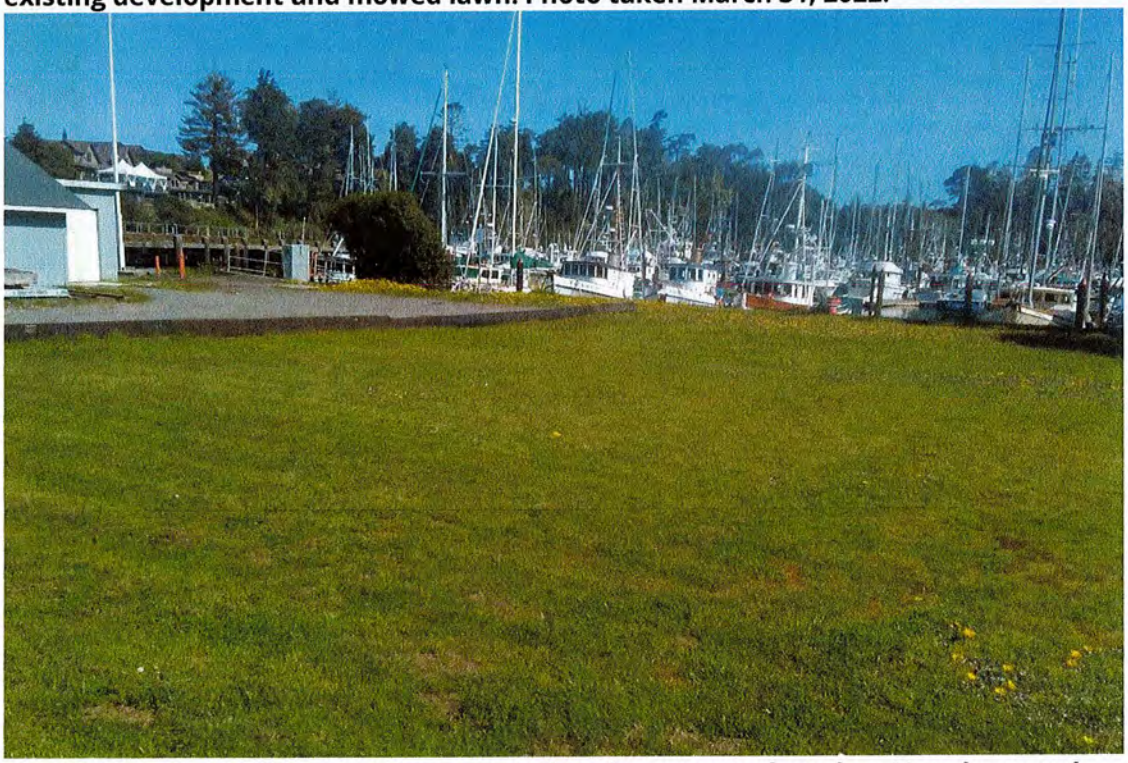

Photo 2: Looking north across lawn toward project area and marina. Note lawn and park conditions. Photo taken March 31, 2022.

Photo 3: Looking southwest toward the proposed project location. A new sidewalk would be installed alongside the driveway for ADA accessibility. Photo taken March 31, 2022.

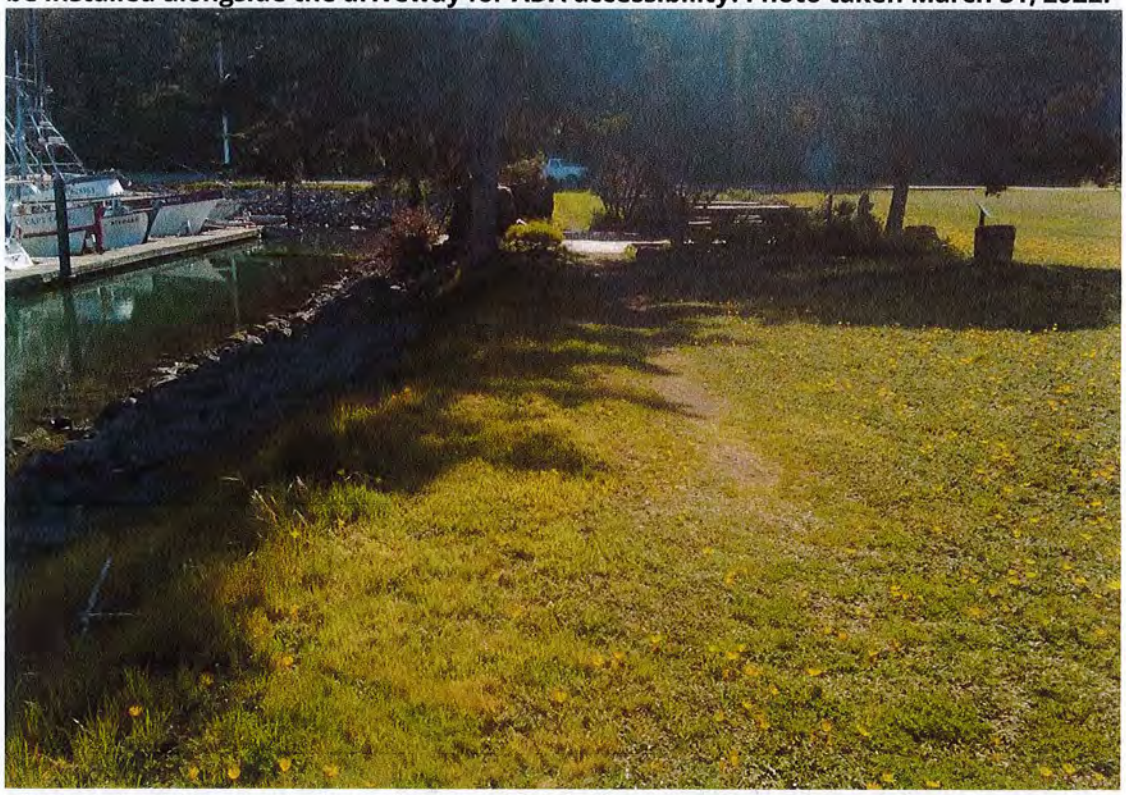

Photo 4: Looking south along the top of bank along the Noyo River and marina. Note existing path to picnic tables to be refurbished. Photo taken March 31, 2022.

Photo 5: Looking north from top of bank to the water's edge. Note non-native species at top of bank and rip-rap on entire embankment with marina beyond. Photo taken March 31, 2022.

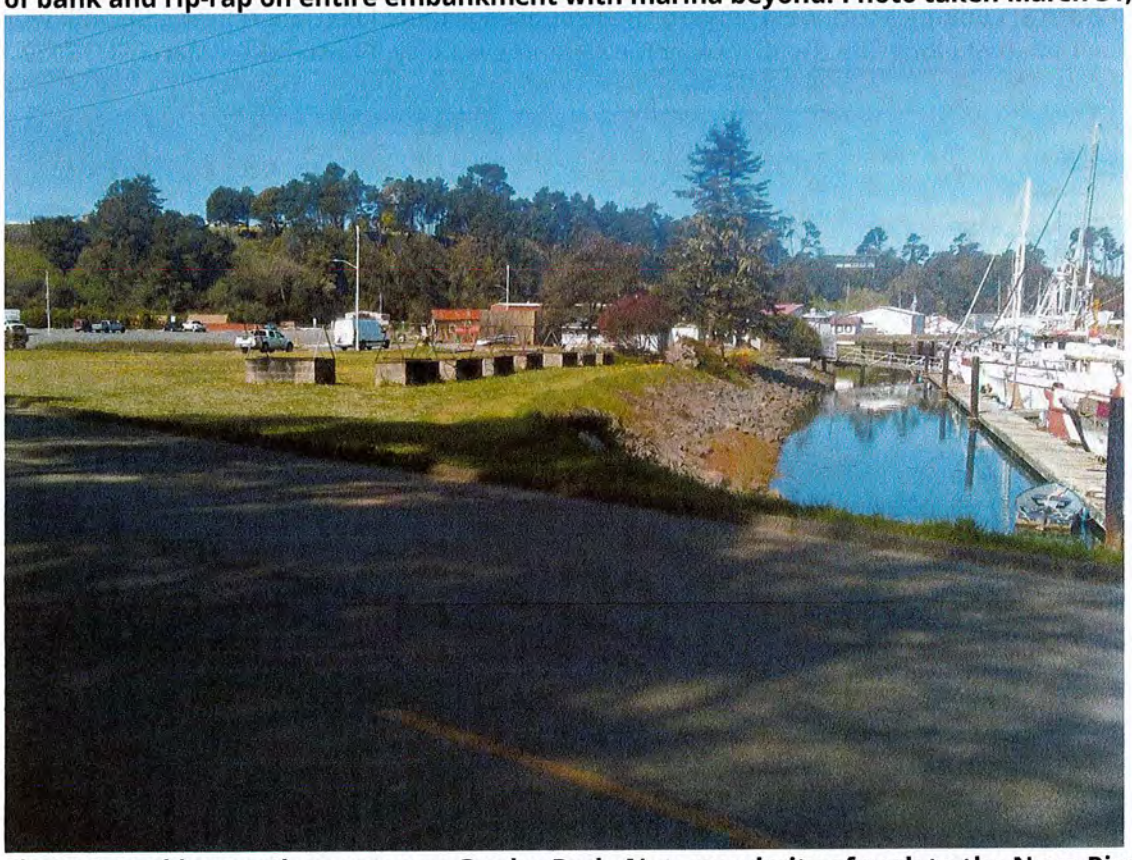

Photo 6: Looking northwest across Grader Park. Note proximity of park to the Noyo River and the Noyo Harbor Marina. Also note rip-rapped slope and general developed conditions. Photo taken March 31, 2022.

Photo 7: Looking northwest across Grader Park from Basin Street. Note barbeques, mowed lawn with prostrate cape weed, and parking lot beyond. Photo taken March 31, 2022.

Photo 8: Looking east across mowed lawn within Grader Park. Note prostrate capeweed dominance. Photo taken March 31, 2022.

Photo 9: Looking northeast across Grader Park toward the marina. Note picnic area and mowed lawn with prostrate cape weed. Photo taken March 31, 2022.

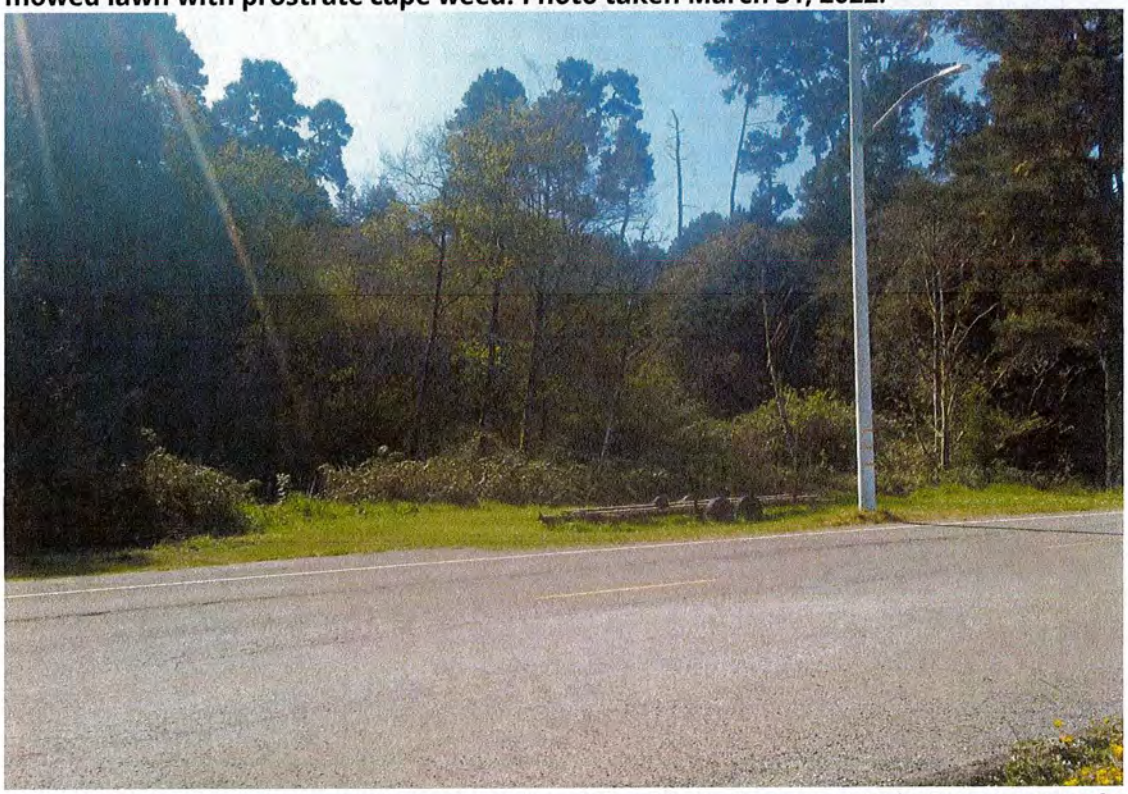

Photo 10: Looking southeast from the edge of Grader Park across Basin Street toward red alder riparian forest and wetlands. Wetland edge occurs beyond Himalayan blackberry brambles at base of alders visible in the middle of the photo. Photo taken March 31, 2022.

Photo 11: Looking south toward Bishop pine forest. Note tree canopy extends to the edge of Basin Street. Photo taken March 31, 2022.

Plant Species List

2

Table 1
Regionally Occurring Special-status Plant Species Scoping List CNDDB, RareFind5, CNPS, IPaC (March 30, 2022)
Noyo Harbor Fish Cleaning Station Project
Fort Bragg and Surrounding 7.5-min Quadrangles

Scientific Name	Common Name	Family	FedList	CalList	GRank	SRank	RPlant Rank	Bloom Period	General Habitat	Micro-Habitat	Potential of Occurrence
Abronia umbellata var. *breviflora*	pink sand-verbena	Nyctagin-aceae	None	None	G4G5-T2	S1	1B.1	June-Oct.	Coastal dunes and coastal strand.	Foredunes and interdunes w/ sparse cover. Usually the plant closest to the ocean. 0-10 m.	**Low**
Agrostis blasdalei	Blasdale's bent grass	Poaceae	None	None	G2	S2	1B.2	May-July	Coastal dunes, coastal bluff scrub, coastal prairie.	Sandy or gravelly soil close to rocks; often in nutrient-poor soil with sparse vegetation. 5-365 m.	**Low**
Angelica lucida	sea-watch	Apiaceae	None	None	G5	S3	4.2	May-Sept.	Coastal strand	Coastal bluff scrub, coastal dunes, coastal scrub, coastal salt marshes.0-150 m	**Low**
Arctostaphylos nummularia ssp. *mendocinoensis*	pygmy manzanita	Ericaceae	None	None	G3T1	S1	1B.2	Jan	Closed-cone coniferous forest.	Acidic, sandy-clay soils in dwarf coniferous forest. 90-185 m.	**Low**
Astragalus agnicidus	Humboldt milk-vetch	Fabaceae	None	E	G2	S2	1B.1	April-Sept.	Broadleaf upland forest, north coast coniferous forest.	Disturbed openings in partially timbered forest lands; also along ridgelines; south aspects. 160-670 m.	**Low**
Blennosperma nanum var. *robustum*	Point Reyes blennosperma	Asteraceae	None	Rare	G4T2	S2	1B.2	Feb-April	Coastal prairie, coastal scrub.	On open coastal hills in sandy soil. 5-125 m.	**Low**
Calamagrostis bolanderi	Bolander's reed grass	Poaceae	None	None	G4	S4	4.2	May-August	Closed-cone and No. coast conifer forest, broadleaf upland forest, coastal scrub.	Marshes, swamps, meadows, seeps, bogs and fens. Mesic sites. 0-455 m.	**None**
Calamagrostis crassiglumis	Thurber's reed grass	Poaceae	None	None	G3Q	S2	2B.1	May-August	Coastal scrub, marshes and swamps.	Usually in marshy swales surrounded by grassland or coastal scrub. 5-50 m.	**Low**

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Fort Bragg and Surrounding 7.5-min Quadrangles

Scientific Name	Common Name	Family	FedList	CalList	GRank	SRank	RPlant Rank	Bloom Period	General Habitat	Micro-Habitat	Potential of Occurrence
Calystegia purpurata ssp. *saxicola*	coastal bluff morning-glory	Convolvul-aceae	None	None	G4T2-T3	S2S3	1B.2	April-Sept.	Coastal dunes, coastal scrub, coastal bluff scrub, North Coast conifer forest.	5-430 m.	**Low**
Campanula californica	swamp harebell	Campanul-aceae	None	None	G3	S3	1B.2	June-Oct.	Bogs and fens, closed-cone conifer forest, coastal prairie, meadows and seeps, freshwater marsh, No. coast conifer forest.	Bogs and marshes in a variety of habitats; uncommon where it occurs. 1-405 m.	**None**
Carex californica	California sedge	Cyperaceae	None	None	G5	S2	2B.3	May-August	Bogs and fens, closed-cone conifer forest, coastal prairie, meadows, seeps, marshes and swamps.	Meadows, drier areas of swamps, marsh margins. 90-335 m.	**None**
Carex lenticularis var. *limnophila*	lagoon sedge	Cyperaceae	None	None	G5T5	S1	2B.2	June-August	Bogs and fens, marshes and swamps, north noast coniferous forest.	Lakeshores, beaches. Often in gravelly substrates. 0-6 m.	**None**
Carex livida	livid sedge	Cyperaceae	None	None	G5	SH	2A	June	Bogs and fens.	Historically known from a sphagnum bog in California.	**None**
Carex lyngbyei	Lyngbye's sedge	Cyperaceae	None	None	G5	S3	2B.2	April-August	Marsh & swamp (brackish or freshwater).	0-200 m.	**Moderate**
Carex saliniformis	deceiving sedge	Cyperaceae	None	None	G2	S2	1B.2	June	Coastal prairie, coastal scrub, meadows, seeps, marshes and swamps (coastal salt).	Mesic sites. 2-230 m.	**Low**
Carex viridula ssp. *viridula*	green yellow sedge	Cyperaceae	None	None	G5T5	S2	2B.3	July-Sept.	Bogs, fens, marshes and swamps (freshwater), No. coast conifer forest.	Mesic sites. 0-1705 m.	**None**

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Fort Bragg and Surrounding 7.5-min Quadrangles

Scientific Name	Common Name	Family	FedList	CalList	GRank	SRank	RPlant Rank	Bloom Period	General Habitat	Micro-Habitat	Potential of Occurrence
Castilleja ambigua var. *ambigua*	johnny-nip	Orobanch-aceae	None	None	G4T5	S4	4.2	Mar-August	Coastal bluff scrub, coastal scrub, coastal prairie, marshes, swamps, valley and foothill grassland, vernal pool margins.	0-435 m.	**Low**
Castilleja ambigua var. *humboldtiensis*	Humboldt Bay owl's-clover	Orobanch-aceae	None	None	G4T2	S2	1B.2	April-August	Marshes and swamps.	Coastal saltmarsh with *Spartina, Distichlis, Salicornia, Jaumea.* 0-20 m.	**Low**
Castilleja latifolia	Monterey Coast paintbrush	Orobanch-aceae	None	None	G4	S4	4.3		Coastal dunes, coastal scrub, closed-cone coniferous forest, cismontane woodland (openings).	Sand dunes, coastal strand and sandy bluffs. 0-185 m.	**Low**
Castilleja litoralis	Oregon coast paintbrush	Orobanch-aceae	None	None	G3	S3	2B.2	June	Coastal bluff scrub, coastal dunes, coastal scrub.	Sandy sites. 5-255 m.	**Low**
Castilleja mendocinensis	Mendocino Coast paintbrush	Orobanch-aceae	None	None	G2	S2	1B.2	April-August	Coastal bluff scrub, coastal scrub, coastal prairie, closed-cone conifer forest, coastal dunes.	Often on sea bluffs or cliffs in coastal bluff scrub or prairie. 3-70 m.	**Low**
Ceanothus gloriosus var. *exaltatus*	glory brush	Rhamnaceae	None	None	G4T4	S4	4.3	March-August	Chaparral.	30-610 m	**None**
Ceanothus gloriosus var. *gloriosus*	Point Reyes ceanothus	Rhamnaceae	None	None	G4T4	S4	4.3	March-May	Closed-cone coniferous forest, coastal dunes, coastal scrub, coastal bluff scrub.	Usually on bluffs along the coast in sandy soils, but also known from more inland sites. 5-520 m.	**Moderate**
Chorizanthe howellii	Howell's spineflower	Polygon-aceae	E	T	G1	S1	1B.2	May-July	Coastal dunes, coastal prairie, coastal scrub.	Sand dunes, sandy slopes, and sandy areas in coastal prairie.	**None**

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Noyo Harbor Fish Cleaning Station Project
Fort Bragg and Surrounding 7.5-min Quadrangles

Scientific Name	Common Name	Family	FedList	CalList	GRank	SRank	RPlant Rank	Bloom Period	General Habitat	Micro-Habitat	Potential of Occurrence
										0-20 m.	
Chrysosplenium glechomifolium	Pacific golden saxifrage	Saxifrag-aceae	None	None	G5	S3	4.3	Feb.-June	North Coast coniferous forest, riparian forest	Streambanks, sometimes seeps, sometimes roadsides. 10-220 m.	**None**
Clarkia amoena ssp. *whitneyi*	Whitney's farewell-to-spring	Onagraceae	None	None	G5T1	S1	1B.1	June-August	Coastal bluff scrub, coastal scrub.	10-100 m.	**Low**
Collinsia corymbosa	round-headed Chinese-houses	Plantagin-aceae	None	None	G1	S1	1B.2	April-June	Coastal Dunes	Coastal dunes from 10-30 m	**Low**
Coptis laciniata	Oregon goldthread	Ranuncul-aceae	None	None	G4	S3	4.2	March-May	North coast conifer forest, meadows and seeps.	Mesic sites such as moist streambanks. 0-1,000 m.	**None**
Cornus canadensis (incl. *Cornus unalschkensis*)	bunchberry	Cornaceae	None	None	G5	S2	2B.2	May-July	North coast coniferous forest, bogs and fens, meadows and seeps.	90-1,920 m.	**Low**
Cuscuta pacifica var. *papillata*	Mendocino dodder	Convolvul-aceae	None	None	G5T1	S1	1B.2	July-Oct.	Coastal dunes.	Interdune depressions. Annual parasitic vine observed on Gnaphalium, Silene and Lupinus. 0-50 m.	**Low**
Darlingtonia californica	California pitcher plant	Sarraceni-aceae	None	None	G4	S4	4.2	April-July	Bogs and fens, meadows, and seeps.	On ultramafic soils.	**None**
Erigeron supplex	supple daisy	Asteraceae	None	None	G2	S2	1B.2	May-July	Coastal bluff scrub, coastal prairie.	Usually in grassy sites. 5-185 m.	**Moderate**
Erysimum concinnum	bluff wallflower	Brassicaceae	None	None	G3	S2	1B.2	Feb-July	Coastal dunes, coastal bluff scrub, coastal prairie.	More or less a coastal generalist within coastal habitat types. 3-60 m.	**Low**
Erysimum menziesii	Menzies' wallflower	Brassic-aceae	E	E	G1	S1	1B.1	March-Sept.	Coastal dunes.	Localized on dunes and coastal strand. 0-35 m.	**Low**
Fritillaria roderickii	Roderick's fritillary	Liliaceae	None	E	G1Q	S1	1B.1	March-May	Coastal bluff scrub, coastal prairie, valley and foothill grassland.	Grassy slopes, mesas. 15-610 m.	**Moderate**

Table 1
Regionally Occurring Special-status Plant Species Scoping List CNDDB, RareFind5, CNPS, IPaC (March 30, 2022)
Noyo Harbor Fish Cleaning Station Project
Fort Bragg and Surrounding 7.5-min Quadrangles

Scientific Name	Common Name	Family	FedList	CalList	GRank	SRank	RPlant Rank	Bloom Period	General Habitat	Micro-Habitat	Potential of Occurrence
Gilia capitata ssp. *pacifica*	Pacific gilia	Polemoni-aceae	None	None	G5T3	S2	1B.2	April-August	Coastal bluff scrub, chaparral, coastal prairie, valley & foothill grassland.	5-1,345 m.	**Moderate**
Gilia millefoliata	dark-eyed gilia	Polemoni-aceae	None	None	G2	S2	1B.2	April-July	Coastal dunes.	1-60 m.	**Low**
Glehnia littoralis ssp. *leiocarpa*	American glehnia	Apiaceae	None	None	G5T5	S3	4.2	May-August	Coastal Dunes	0-20 m.	**Low**
Hemizonia congesta ssp. *congesta*	hayfield tarplant	Asteraceae	None	None	G5T1-T2	S1S2	1B.2	April-Nov.	Valley and foothill grassland.	Grassy valleys and hills, often in fallow fields; sometimes along roadsides. 20-560 m.	**Moderate**
Hemizonia congesta ssp. *tracyi*	Tracy's tarplant	Asteraceae	None	None	G5T4	S4	4.3	May-Oct.	Coastal prairie, No. coast & lower montane conifer forests.	Openings; sometimes on serpentine. 120-1,200 m.	**Low**
Hesperevax sparsiflora var. *brevifolia*	short-leaved evax	Asteraceae	None	None	G4T3	S2	1B.2	March-June	Coastal bluff scrub, coastal dunes, coastal prairie.	Sandy bluffs and flats. 0-215 m.	**High**
Hesperocyparis pygmaea	pygmy cypress	Cupressaceae	None	None	G1	S1	1B.2	Conifer	Closed-cone coniferous forest.	On podzol-like blacklock soil in pygmy cypress forest community. 30-430 m.	**Low**
Horkelia marinensis	Point Reyes horkelia	Rosaceae	None	None	G2	S2	1B.2	May-Sept.	Coastal dunes, coastal prairie, coastal scrub.	Sandy flats and dunes near coast; in grassland or scrub plant communities. 2-775 m.	**Low**
Hosackia gracilis	harlequin lotus	Fabaceae	None	None	G4	S3	4.2	March-July	Broadleaf upland forest, coast bluff scrub, coast prairie, coast scrub, closed-cone conifer forest, meadow, seep, marsh & swamp, N. coast	Wetlands and roadsides. 0-700 m.	**Low**

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Fort Bragg and Surrounding 7.5-min Quadrangles

Scientific Name	Common Name	Family	FedList	CalList	GRank	SRank	RPlant Rank	Bloom Period	General Habitat	Micro-Habitat	Potential of Occurrence
									conifer forest, valley & foothill grassland.		
Iris longipetala	coast iris	Iridaceae	None	None	G3	S3	4.2	March-May	Coastal prairie, lower montane conifer forest, meadows & seeps.	Mesic sites, heavy soils. 0-600 m.	**Low**
Juncus supiniformis	hair-leaved rush	Juncaceae	None	None	G5	S1	2B.2	April-May	Marshes and swamps, bogs and fens.	20-100 m.	**None**
Lasthenia burkei	Burke's goldfields	Asteraceae	E	E	G1	S1	1B.1	April-June	Vernal pools, meadows and seeps.	Most often in vernal pools and swales. 15-600 m.	**Low**
Lasthenia conjugens	Contra Costa goldfields	Asteraceae	E	None	G1	S1	1B.1	March-June	Valley and foothill grassland, vernal pools, alkaline playas, cismontane woodland.	Vernal pools, swales, low depressions, in open grassy areas. 1-450 m.	**Low**
Lasthenia californica ssp. *bakeri*	Baker's goldfields	Asteraceae	None	None	G3T1	S1	1B.2	April-Oct.	Closed-cone conifer forest, coastal scrub, meadows, seeps, marshes & swamps.	Openings. 60-520 m.	**Low**
Lasthenia californica ssp. *macrantha*	perennial goldfields	Asteraceae	None	None	G3T2	S2	1B.2	Jan.-Nov.	Coastal bluff scrub, coastal dunes, coastal scrub.	5-185 m.	**Low**
Lathyrus palustris	marsh pea	Fabaceae	None	None	G5	S2	2B.2	March-August	Bogs & fens, lower montane conifer forest, marsh & swamp, N. coast conifer forest, coastal prairie, coastal scrub.	Moist coastal areas. 2-140 m.	**Low**
Leptosiphon latisectus	broad-lobed leptosiphon	Polemoni-aceae	None	None	G4	S4	4.3	April-June	Broadleaf upland forest, cismontane woodland.	170-1,500 meters	**Low**
Lilium maritimum	coast lily	Liliaceae	None	None	G2	S2	1B.1	May-August	Closed-cone conifer forest, coastal prairie, coastal scrub,	Historically in sandy soil, often on raised hummocks or bogs;	**Low**

Table 1
Regionally Occurring Special-status Plant Species Scoping List CNDDB, RareFind5, CNPS, IPaC (March 30, 2022)
Noyo Harbor Fish Cleaning Station Project
Fort Bragg and Surrounding 7.5-min Quadrangles

Scientific Name	Common Name	Family	FedList	CalList	GRank	SRank	RPlant Rank	Bloom Period	General Habitat	Micro-Habitat	Potential of Occurrence
									broadleaf upland forest, N. coast conifer forest, marshes and swamps.	today mostly in roadside ditches. 4-475 m.	
Lilium rubescens	redwood lily	Liliaceae	None	None	G3	S3	4.2	April-August	Chaparral, low & upper montane conifer forest, broad-leaf upland forest, No. coast conifer forest.	Sometimes on serpentine. 30-1,910 m.	**Low**
Listera cordata	heart-leaved twayblade	Orchidaceae	None	None	G5	S4	4.2	Feb.-July	Lower montane conifer forest, north coast conifer forest.	Bogs and fens, 5-1,370 m.	**None**
Lycopodium clavatum	running-pine	Lycopodi-aceae	None	None	G5	S3	4.1	June-Sept.	Lower montane conifer forest, north coast conifer forest, marsh & swamp.	Forest understory, edges, openings, roadsides; mesic sites with partial shade and light. 45-1,225 m.	**None**
Microseris borealis	northern microseris	Asteraceae	None	None	G5	S1	2B.1	June-Sept	Bogs and fens, meadows and seeps, lower montane coniferous forest.	45-1,070 m.	**None**
Mitellastra caulescens	leafy-stemmed mitrewort	Saxifrag-aceae	None	None	G5	S4	4.2	March-Oct.	Broadleaf upland forest, lower montane conifer forest, meadow & seep, No. coast conifer forest.	Mesic sites. 5-1,700 m.	**Low**
Oenothera wolfii	Wolf's evening-primrose	Onagraceae	None	None	G2	S1	1B.1	May-Oct.	Coastal bluff scrub, coastal dunes, coastal prairie, low montane conifer forest.	Sandy substrates; usually mesic sites. 0-125 m.	**Moderate**
Packera bolanderi var. *bolanderi*	seacoast ragwort	Asteraceae	None	None	G4T4	S2S3	2B.2	Jan.-August	Coastal scrub, north coast conifer forest.	Often along roadsides. 30-915 m.	**Moderate**

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Phacelia insularis var. *continentis*	North Coast phacelia	Hydrophyll-aceae	None	None	G2T2	S2	1B.2	March-May	Coastal bluff scrub, coastal dunes.	Open maritime bluffs, sandy soil, sometimes rocky habitats. 0-155 m.	**Low**
Pinus contorta ssp. *bolanderi*	Bolander's beach pine	Pinaceae	None	None	G5T2	S2	1B.2	Conifer	Closed-cone coniferous forest.	Podzol-like soils with Mendocino cypress and bishop pine; within pygmy cypress forest. 75-250 m.	**Moderate**
Piperia candida	white-flowered rein orchid	Orchidaceae	None	None	G3	S3	1B.2	May-Sept.	No. Coast and lower montane conifer forest, broadleaf upland forest.	Sometimes serpentine. Forest duff, mossy banks, rock outcrops, muskeg. 45-1,615 m.	**Low**
Pityopus californicus	California pinefoot	Ericaceae	None	None	G4G5	S4	4.2	March-August	Broadleaf upland forest, upper montane and, No. coast conifer forest, low montane conifer forest.	Deep shade with few understory species, often under layer of duff, in rocky to clay loam soil. 15-2,225 m.	**None**
Pleuropogon refractus	nodding semaphore grass	Poaceae	None	None	G4	S4	4.2	March-August	Meadow & seep, low montane conifer forest, N. coast conifer forest, riparian forest.	Mesic sites along streams, grassy flats in shaded redwood groves. 0-1,600 m.	**Low**
Puccinellia pumila	dwarf alkali grass	Poaceae	None	None	G4?	SH	2B.2	July	Marshes and swamps.	Mineral spring meadows and coastal salt marshes. 1-10 m.	**Low**
Ramalina thrausta	angel's hair lichen	Ramalin-aceae	None	None	G5	S2	2B.1	Lichen	North coast coniferous forest.	On dead twigs and other lichens. 75-430 m.	**Low**
Rhynchospora alba	white beaked-rush	Cyperaceae	None	None	G5	S2	2B.2	June-August	Bogs and fens, meadows and seeps, marshes and swamps.	Freshwater marshes and sphagnum bogs. 60-1,875 m.	**None**
Rhynchospora globularis	round-headed beaked-rush	Cyperaceae	None	None	G4	S1	2B.1	July-August	Marshes and swamps	Freshwater marsh. 45-30 m.	**None**
Sanguisorba officinalis	great burnet	Rosaceae	None	None	G5	S2	2B.2	July-Oct.	Broadleaf upland forest, marshes and swamps, north coast	Bogs and fens, meadows and seeps. Rocky serpentine seepage	**Low**

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									coniferous forest, riparian forest.	areas and along stream 5-1,400 m.	
Sidalcea malachroides	maple-leaved checkerbloom	Malvaceae	None	None	G3	S3	4.2	March-August	Broadleaf upland forest, coast prairie, coast scrub, No. coast conifer forest, riparian.	Woodlands and clearings near coast; often in disturbed areas. 0-730 m.	**Moderate**
Sidalcea malviflora ssp. *purpurea*	purple-stemmed checkerbloom	Malvaceae	None	None	G5T1	S1	1B.2	May-June	Broadleaved upland forest, coastal prairie.	15-85 m.	**Moderate**
Tiarella trifoliata var. *trifoliata*	trifoliate laceflower	Saxifragaceae	None	None	G5T5	S2S3	3.2	June-August	Lower montane coniferous forest, north coast coniferous forest.	Forest edge; moist shady banks. 170-1,500 m.	**None**
Trifolium amoenum	two-fork clover	Fabaceae	E	None	G1	S1	1B.1	April-June	Valley and foothill grassland, coastal bluff scrub.	Sometimes on serpentine soil, open sunny sites, swales. Most recently cited on roadside and eroding cliff face. 5-310 m.	**Low**
Trifolium trichocalyx	Monterey clover	Fabaceae	E	E	G1	S1	1B.1	April-June	Closed-cone coniferous forest.	Openings, burned areas, and roadsides. Sandy soils. 60-210 m.	**Low**
Triquetrella californica	coastal triquetrella	Pottiaceae	None	None	G2	S2	1B.2	Moss	Coastal bluff scrub, coastal scrub.	Grows within 30m from the coast in coastal scrub, grasslands and in open gravels on roadsides, hillsides, rocky slopes, and fields. On gravel or thin soil over outcrops. 10-100 m.	**None**
Usnea longissima	Methuselah's beard lichen	Parmeli-aceae	None	None	G4	S4	4.2	Lichen	North coast coniferous forest, broadleaf upland forest.	In the "redwood zone" on branches of a variety of trees, incl. big leaf	**None**

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Scientific Name	Common Name	Family	FedList	CalList	GRank	SRank	RPlant Rank	Bloom Period	General Habitat	Micro-Habitat	Potential of Occurrence
										maple, oaks, ash, Douglas-fir, and bay. 45-1,465 m in California.	
Veratrum fimbriatum	fringed false-hellebore	Melanthi-aceae	None	None	G3	S3	4.3	July-Sept.	Coastal scrub, north coast conifer forest, bogs and fens, meadows, and seeps.	Marine terrace deposits; mesic sites. 3-300 m.	**Low**
Viola palustris	alpine marsh violet	Violaceae	None	None	G5	S1S2	2B.2	March-August	Coastal scrub, bogs, and fens.	Swampy, shrubby places in coastal scrub or coastal bogs. 0-150 m.	**None**

1. Species indicator status as assigned by Federal Endangered Species Act (FESA), California Endangered Species Act (CESA), and California Department of Fish and Wildlife (CDFW)

C: candidate
CT: candidate threatened
D: delisted
DPS: distinct population segment
E: endangered
ESU: evolutionarily significant unit
FP: fully protected
PT: proposed threatened
SSC: species of special concern
T: threatened
WL: watch list

2. Species Heritage rank as assigned by California Department of Fish and Wildlife (CDFW)

G1/S1: critically imperiled
G2/S2: imperiled
G3/S3: vulnerable
G4/S4: apparently secure
G5/S5: secure

Table 2 Botanical Species Observed 3/31/2022 Noyo Harbor Fish Cleaning Station Project			
Scientific Name	**Common Name**	**Family**	**Native?**
Trees			
Abies grandis	grand fir	Pinaceae	Y[a]
Shrubs			
Cotoneaster lacteus	milk flower cotoneaster	Asteraceae	I[b]
Rubus ursinus	California blackberrry	Rosaceae	Y[c]
Salvia cistus	rock rose	Cistaceae	N
Sambucus nigra (cultivar)	purple leaf elderberry	Adoxaceae	N
Sedges and Rushes			
Juncus bufonius var. *bufonius*	toad rush	Juncaceae	Y
Grasses			
Agrostis stolonifera	creeping buttercup	Poaceae	I
Alopecurus pratensis	meadow foxtail	Poaceae	I
Anthoxanthum odoratum	sweet vernal grass	Poaceae	I
Avena barbata	wild oat	Poaceae	I
Bromus diandrus	ripgut brome	Poaceae	I
Bromus hordeaceus	soft chess	Poaceae	I
Bromus sitchensis var. *carinatus*	California brome	Poaceae	Y
Festuca myuros	six weeks grass	Poaceae	I
Festuca rubra ssp. *pruinosa*	red fescue	Poaceae	Y
Holcus lanatus	velvet grass	Poaceae	I
Poa annua	annual bluegrass	Poaceae	N
Herbs			
Allium triquetrum	white flowered onion	Alliaceae	N
Arctotheca prostrata	cape daisy	Asteraceae	I
Bellis perennis	English daisy	Asteraceae	N
Cardamine oligosperma	bittercress	Brassicaceae	Y
Carduus pycnocephalus ssp. *pycnocephalus*	Italian thistle	Asteraceae	I
Cerastium fontanum	mouse ears	Caryophyllaceae	N
Crocosmia x crocosmiiflora	montebretia	Iridaceae	I
Dipsacus fullonum	teasel	Dipsacaceae	I
Erodium moschatum	whitestem filaree	Geraniaceae	N
Foeniculum vulgare	fennel	Apiaceae	I
Geranium dissectum	cutleaf geranium	Geraniaceae	I
Geranium molle	crane's bill geranium	Geraniaceae	N
Geranium parisiense	wall bedstraw	Rubiaceae	N
Hypochaeris radicata	hairy cat's ear	Asteraceae	I
Iris douglasii	Douglas iris	Iridaceae	Y
Iris germanica	Cultivated iris	Iridaceae	N
Jaumea carnosa	marsh jaumea	Asteraceae	Y
Malva parviflora	cheeseweed	Malvaceae	N
Matricaria discoidea	pineapple weed	Asteraceae	Y
Medicago arabica	spotted burclover	Fabaceae	N

Table 2 Botanical Species Observed 3/31/2022 Noyo Harbor Fish Cleaning Station Project			
Scientific Name	**Common Name**	**Family**	**Native?**
Medicago lupulina	black medic	Fabaceae	N
Medicago polymorpha	burclover	Fabaceae	I
Oxalis pes-caprae	Bermuda buttercup	Oxalidaceae	I
Plantago coronopus	staghorn plantain	Plantaginaceae	N
Plantago lanceolata	English plantain	Plantaginaceae	I
Plantago maritima	Pacific seaside plantain	Plantaginaceae	Y
Polycarpon tetraphyllum var. *tetraphyllum*	all seed	Caryophyllaceae	N
Ranunculus muricatus	buttercup	Ranunculaceae	N
Rumex acetosella	sheep sorrel	Polygonaceae	I
Rumex salicifolius	willow dock	Polygonaceae	Y
Senecio vulgaris	groundsel	Asteraceae	N
Silybum marianum	blessed milk thistle	Asteraceae	I
Sonchus oleraceus	sow thistle	Asteraceae	N
Trifolium repens	white clover	Fabaceae	N
Trifolium subterraneum	Subterranean clover	Fabaceae	N
Triphysaria eriantha ssp. *eriantha*	butter n' eggs	Orobanchaceae	Y
Woody Vines			
Lonicera hispidula	pink honeysuckle	Caprifoliaceae	Y
54 Species			**24% Native**

a Y: Yes
b I: Invasive
c N: No