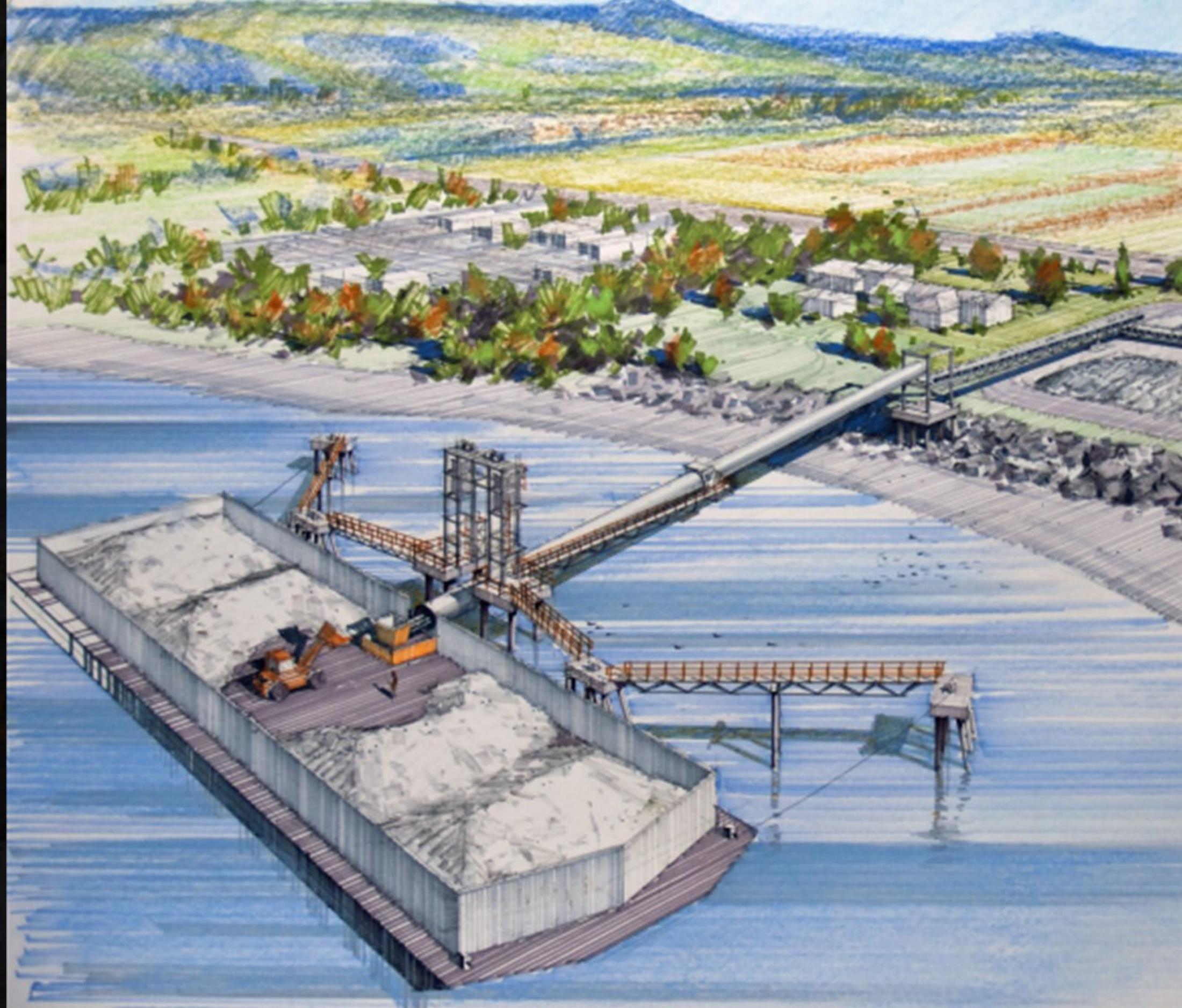

HOW LOUD IS YOUR PROJECT AND HOW MUCH DOES IT STINK?

14 YEARS OF AGENCIES, NEIGHBORS & THE PUBLIC

THE STORY OF THE CRC MARINE TERMINAL

Brady Wale - Engineering Manager Columbia
River Carbonates

Francis Naglich - Sr. Wetlands Biologist |
Principal | Ecological Land Services





COLUMBIA RIVER CARBONATES

A Limited Partnership
Established in 1985

(BMI) Bleck
Management - 55%

(NWC) Northwest
Carbonates - 45% (Omya)



WOODLAND, WA PLANT



WHAT IS CALCIUM CARBONATE?

(also called Limestone)

Calcium carbonate, a non-toxic and non caustic compound, is naturally present in the earth, rivers, and oceans.



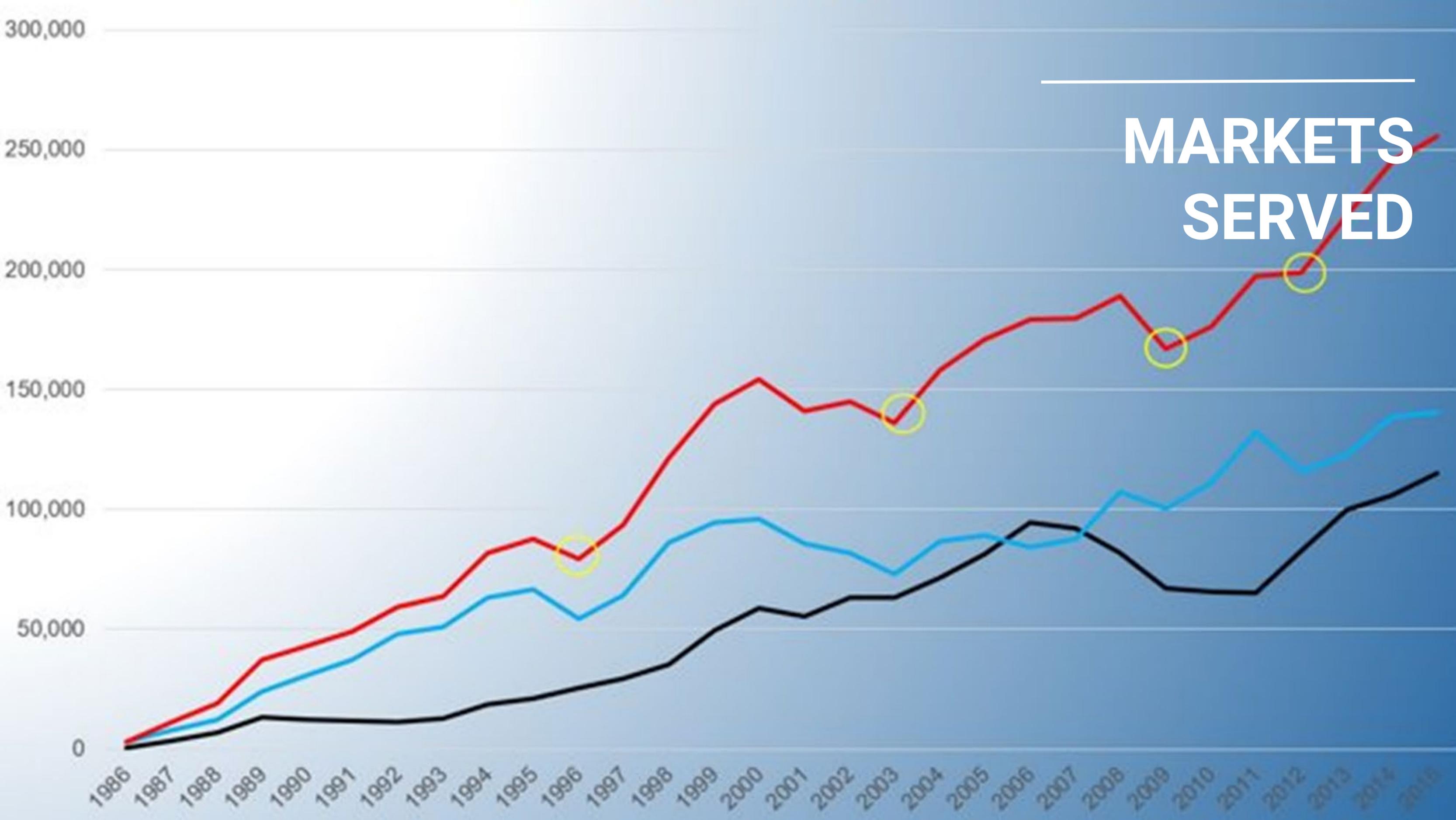
On average, calcium carbonate stones are about the same size as a grapefruit.

Calcium carbonate is an industrial mineral, that widely serves as a filler and pigment in:

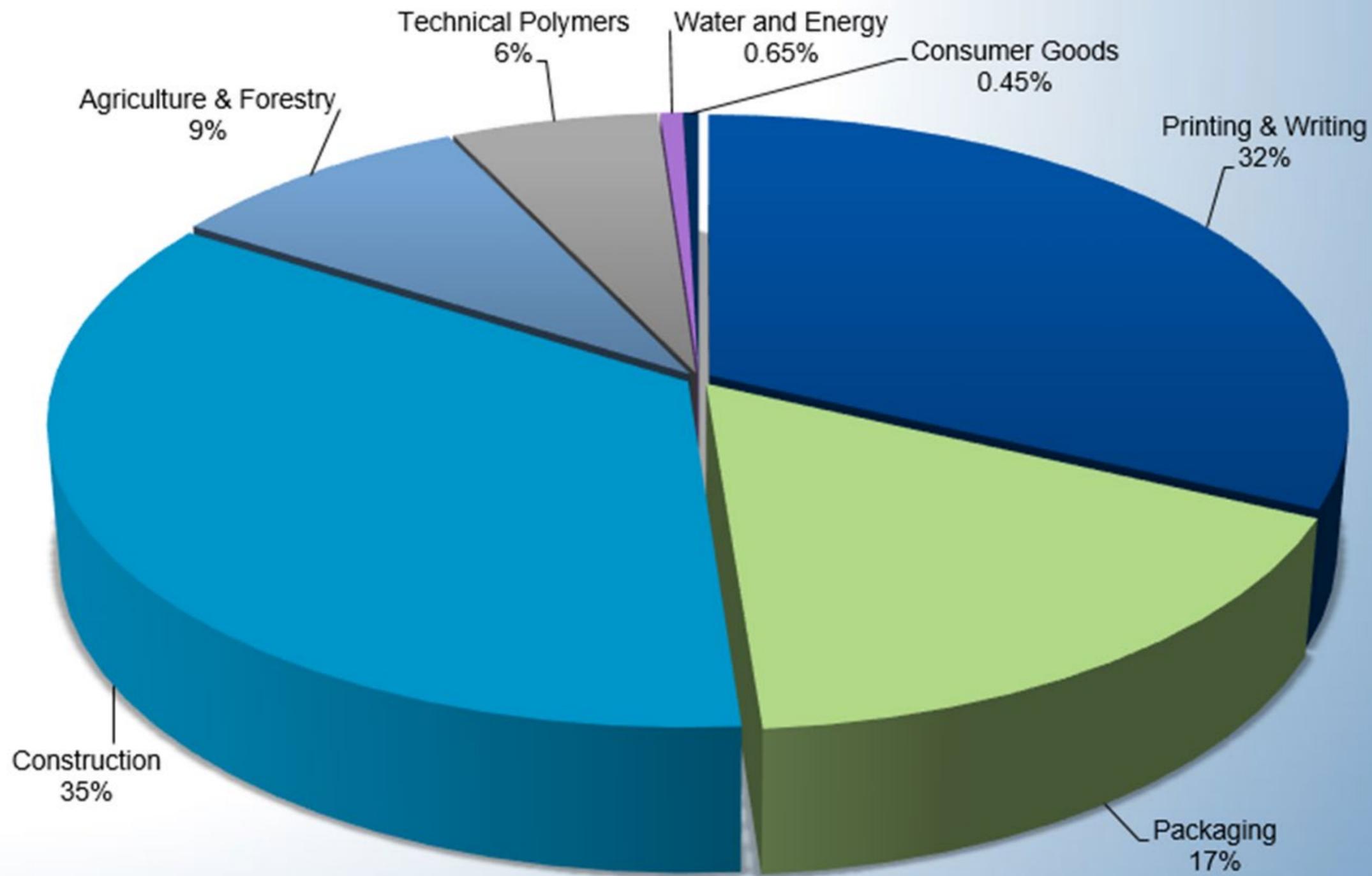
- Paper
- Polymers
- Building Materials
- Food
- Feed
- Pharma
- Cosmetics
- Environment
- Agriculture
- Energy



MARKETS SERVED



MARKETS SERVED





PAPER & PACKAGING



CONSTRUCTION



OTHER MARKETS

NEW MARKET FOCUS



YEAR 2010 SHIFT IN STONE SUPPLY LOCATION

Shift from rail transport to barge
—SE Alaska to Portland—
trucked 60 miles roundtrip on I-5.



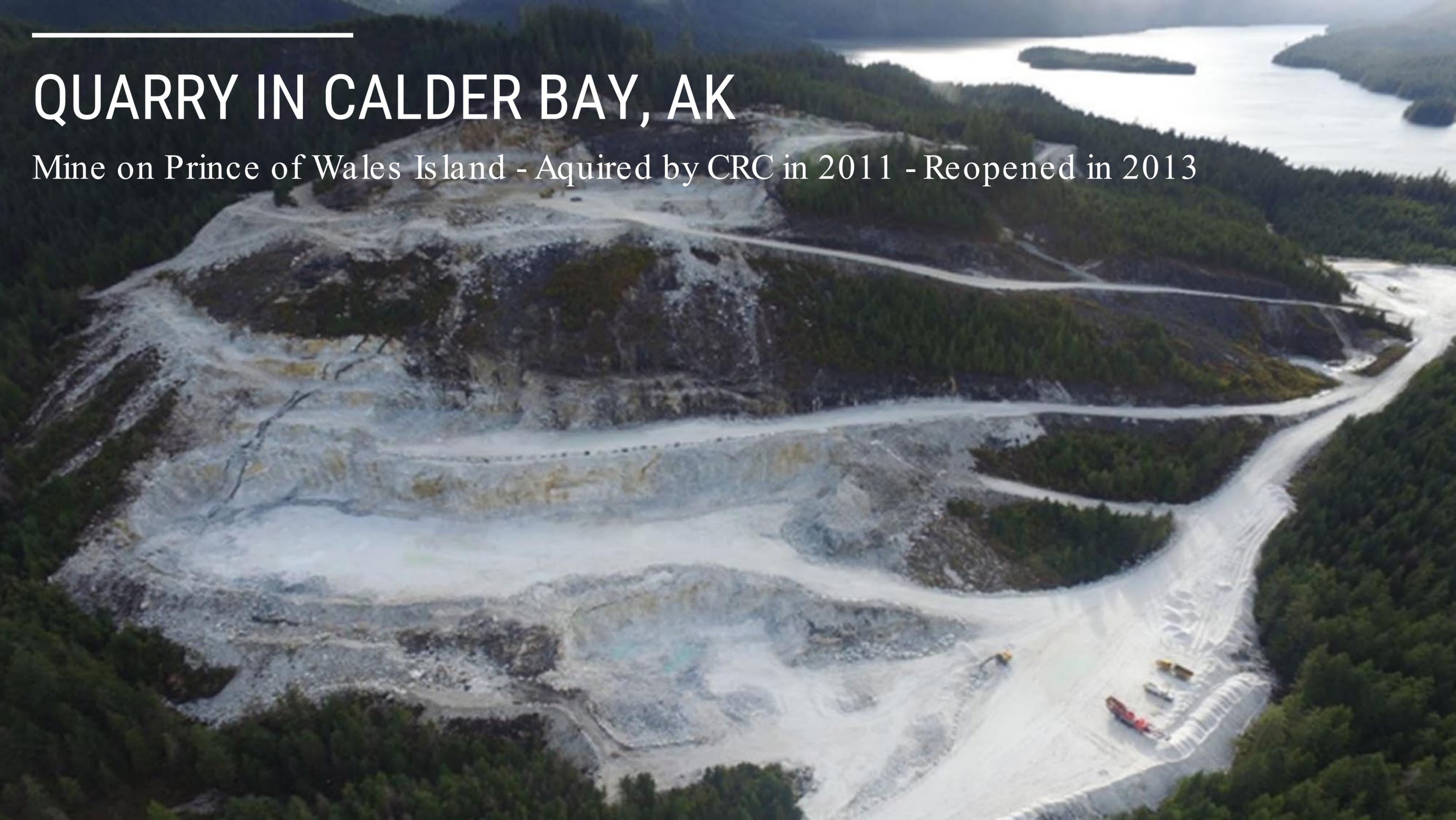


QUARRY IN WAUCONDA, WA

Now closed - in reclamation

QUARRY IN CALDER BAY, AK

Mine on Prince of Wales Island - Acquired by CRC in 2011 - Reopened in 2013





Stone Storage and Barge Loadout Operation - Calder Mine on Prince of Wales Island



Outbound Load Heading South - Calder Mine on Prince of Wales Island



Barge going up Columbia River past Woodland, WA.



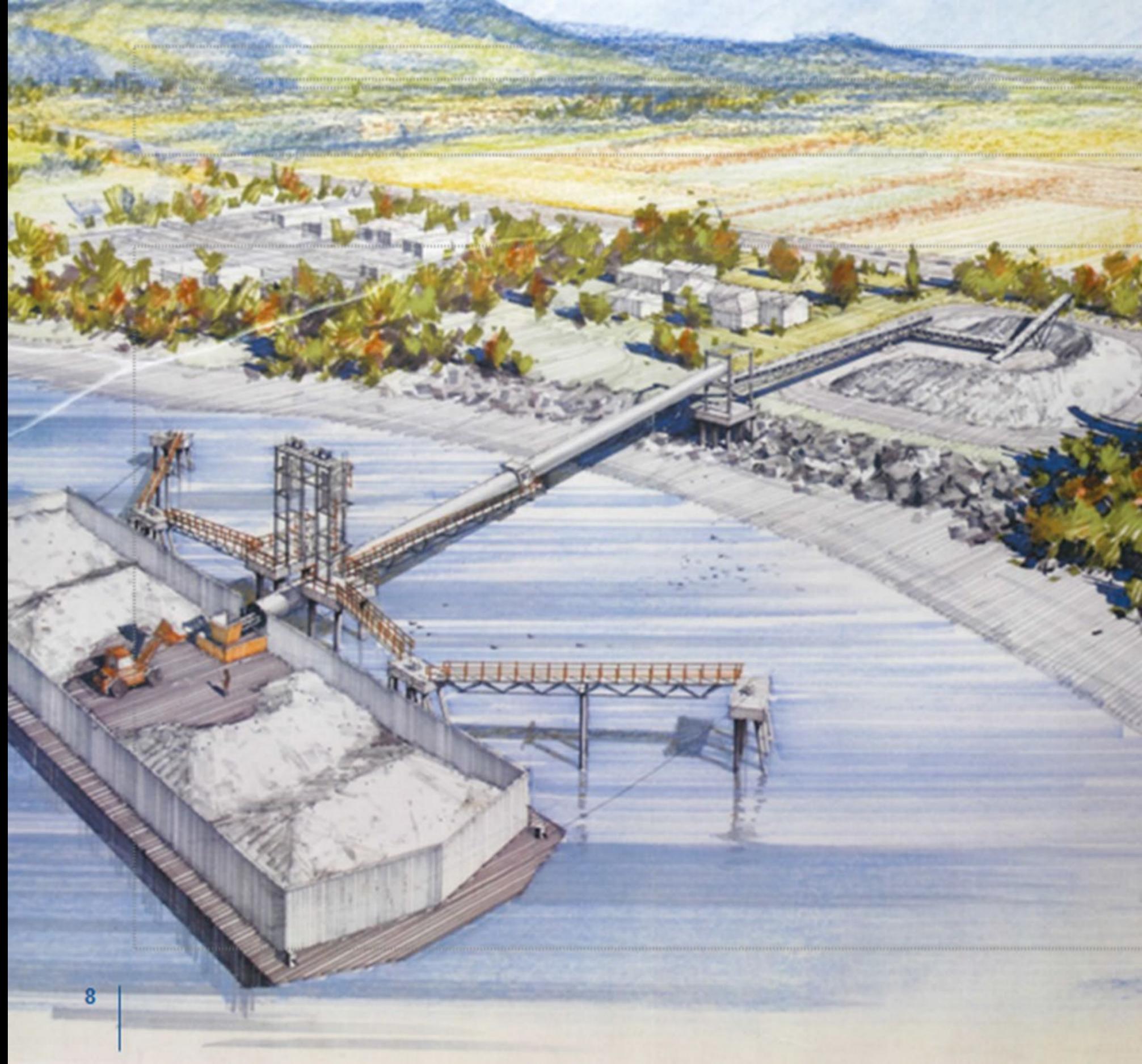
Stone loaded onto transport trucks and hauled to the Woodland plant



CRC processing plant Woodland, WA

NEED: WOODLAND MARINE TERMINAL FOR CRC

Short haul saves costs and gets
trucks off the freeway



LEGEND:

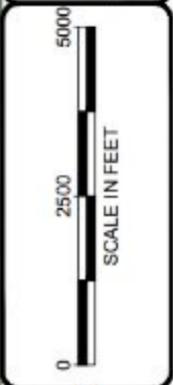
- SITE BOUNDARY
- - - BNSF RAILROAD
- ↷ FLOW DIRECTION



Figure 1
WOODLAND AERIAL OVERVIEW
Columbia River Carbonates Presentation
Columbia River Carbonates
Woodland, Cowlitz County, WA

DATE: 12/1/23
DWN: EF
REQ. BY: FN
PRJ. MGR: FN
CHK: FN
PROJECT NO:
558.09

1157 3rd Ave., Suite 220A
Longview, WA 98632
Phone: (360) 578-1371
Fax: (360) 414-9305
www.eco-land.com



TERMINAL SITE AQUIRED

Zoning ✓

Location ✓

Bathymetry ✓

CRC
May 22, 2017

Google Earth

© 2018 Google

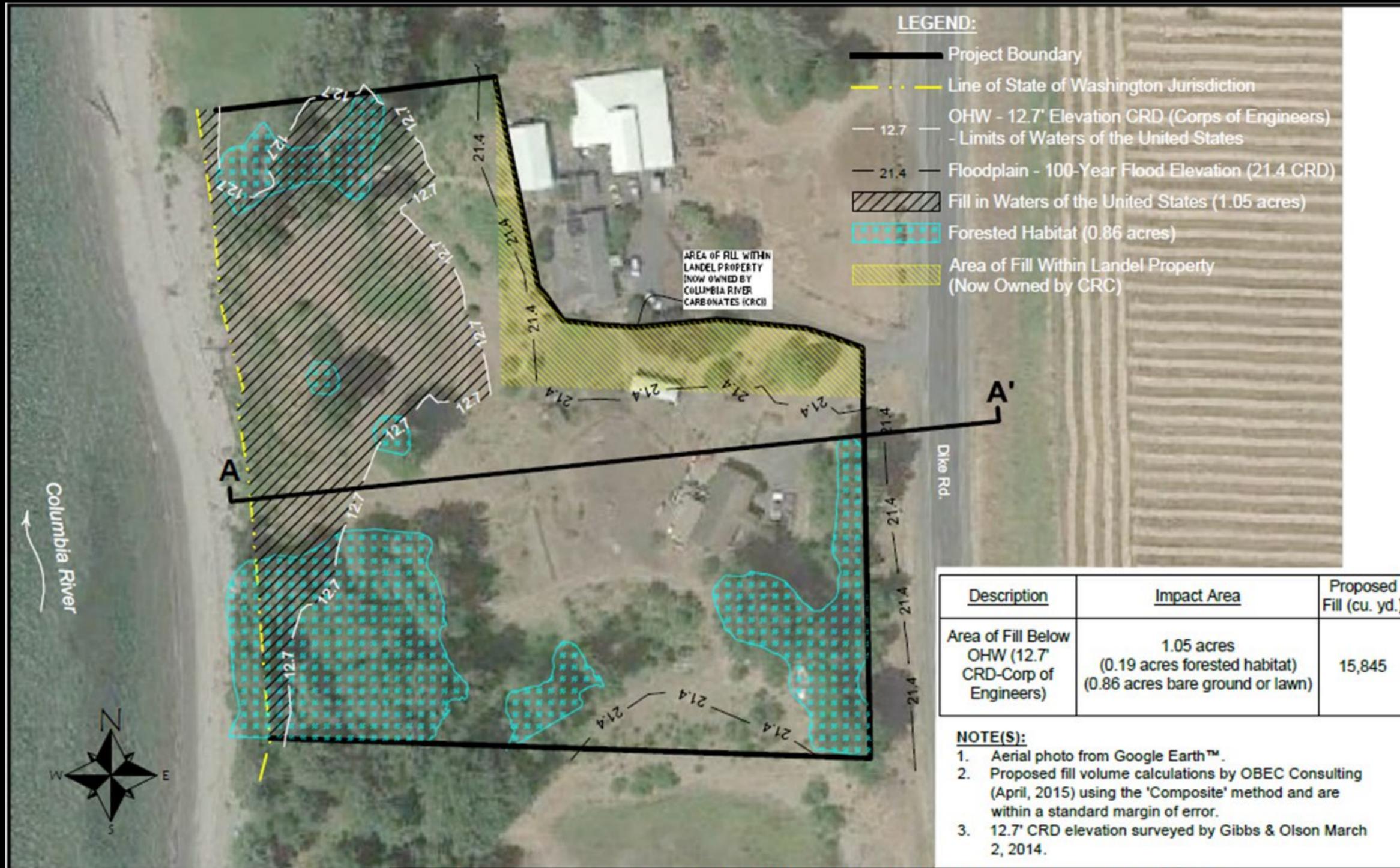


ENTITLEMENT PHASE BEGINS:

5 acre site

10 agency approvals needed





LEGEND:

- Project Boundary
- Line of State of Washington Jurisdiction
- OHW - 12.7' Elevation CRD (Corps of Engineers) - Limits of Waters of the United States
- 21.4' Floodplain - 100-Year Flood Elevation (21.4 CRD)
- Fill in Waters of the United States (1.05 acres)
- Forested Habitat (0.86 acres)
- Area of Fill Within Landel Property (Now Owned by CRC)

Description	Impact Area	Proposed Fill (cu. yd.)
Area of Fill Below OHW (12.7' CRD-Corp of Engineers)	1.05 acres (0.19 acres forested habitat) (0.86 acres bare ground or lawn)	15,845

- NOTE(S):**
1. Aerial photo from Google Earth™.
 2. Proposed fill volume calculations by OBEC Consulting (April, 2015) using the 'Composite' method and are within a standard margin of error.
 3. 12.7' CRD elevation surveyed by Gibbs & Olson March 2, 2014.

1157 3rd Ave., Suite 220A
Longview, WA 98632
Phone: (360) 578-1371

PURPOSE: Construct Marine Terminal
DATUM: CRD
ADJACENT PROPERTY OWNERS: See JARPA

EXISTING CONDITIONS AND PROPOSED FILL
APPLICANT: Columbia River Carbonates
PROJECT NAME: Woodland Marine Terminal
REFERENCE #: NWS-2013-834
SITE LOCATION ADDRESS:
1902 Dike Road
Woodland, WA 98674

PROPOSED: In-water work
IN Columbia River
NEAR: Woodland
COUNTY: Cowlitz **STATE:** WA
SHEET 3 OF 34
DATE: 9/14/17

POTHOLES AT THE START: PROPERTY DISPUTE WITH PORT AND PR KICK-OFF MEETING FLOP

Woodland firm plans \$10M project

Port of Woodland sued over property sale

Fliers target Woodland port official

Company owner has been locked in land dispute with commissioners

PATCH: TOTAL RE-THINK OF APPROACH

POTHOLE: WASHINGTON DEPARTMENT OF ECOLOGY

“Why can’t you just use an existing port facility closer to Woodland?”

PATCH: ROBUST ANALYSIS OF PORT OPTIONS - LONGVIEW TO CAMAS-WASHOUGAL



POTHOLE (OR SINKHOLE?)

Citizens Against the Barge Terminal

CABT Appeals:

- Noise
- Traffic
- “Wetlands”
- and just about everything else

**PATCH: CRC (AND ECOLOGY) WINS AT SHORELINES
HEARINGS BOARD (2 YEARS)**

POTHOLE: MAN-MADE “DUCK POND”



Man-made “Duck Pond” in 2017 – Claimed to be a wetland

Duck pond in 2007

POTHOLE: MAN-MADE "DUCK POND"



**PATCH: POND PRESENT ONLY 1 OUT OF EVERY 5-6 YEARS.
PROVE AT SHORELINES HEARING BOARD (SHB)**

6/6/2017 10:32 AM

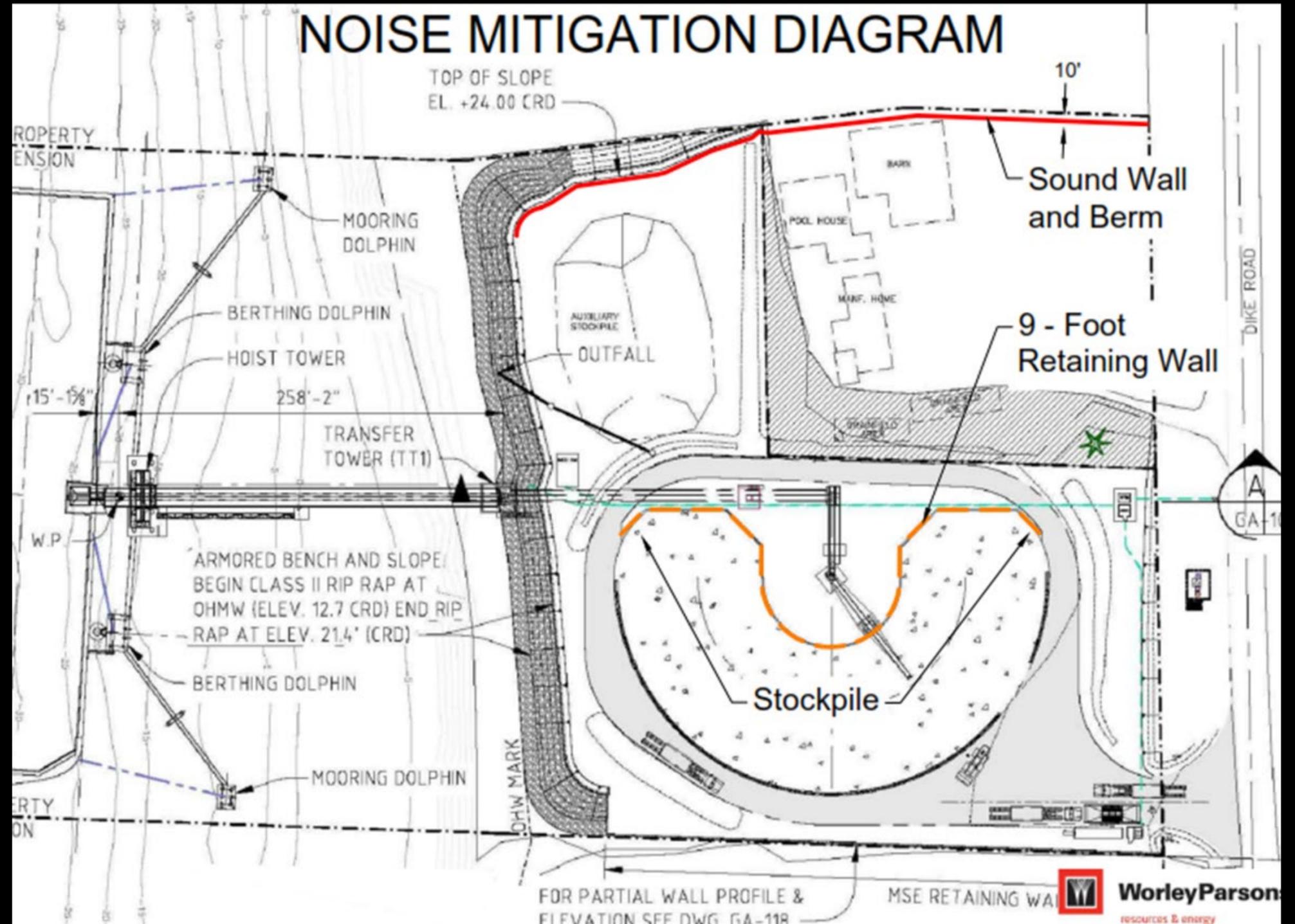
POTHOLE: NEIGHBORING RV PARK NON-CONFORMING USE IN INDUSTRIAL ZONE

Concerns included noise impacts and recreation use.

PATCH:

NOISE MITIGATION PLAN SOUND WALLS BERM

(SHB Condition)



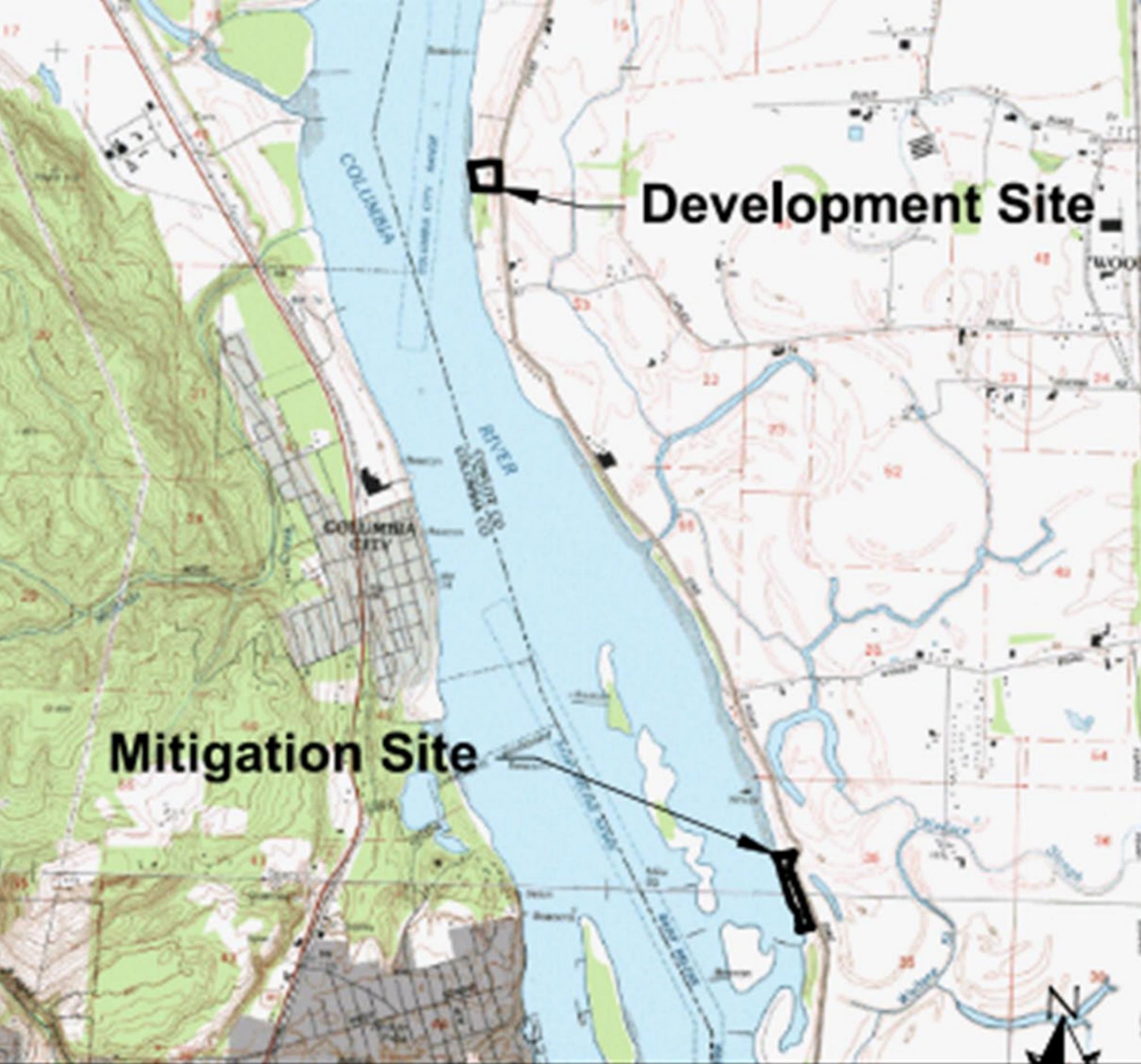
POTHOLE: HOG LINE FISHING IMPACT

Recreational use concerns included interruption of hog line fishing boats on Columbia River.

PATCH:

LIMIT BARGE DOCKING ON BUSY FISHING WEEKENDS (SHB CONDITION)

“Displacement of 4-6 boats for a total of four days a month would be the maximum impact on hog line anglers.” - ELS



MITIGATION SITE PLAN

Mitigation Site

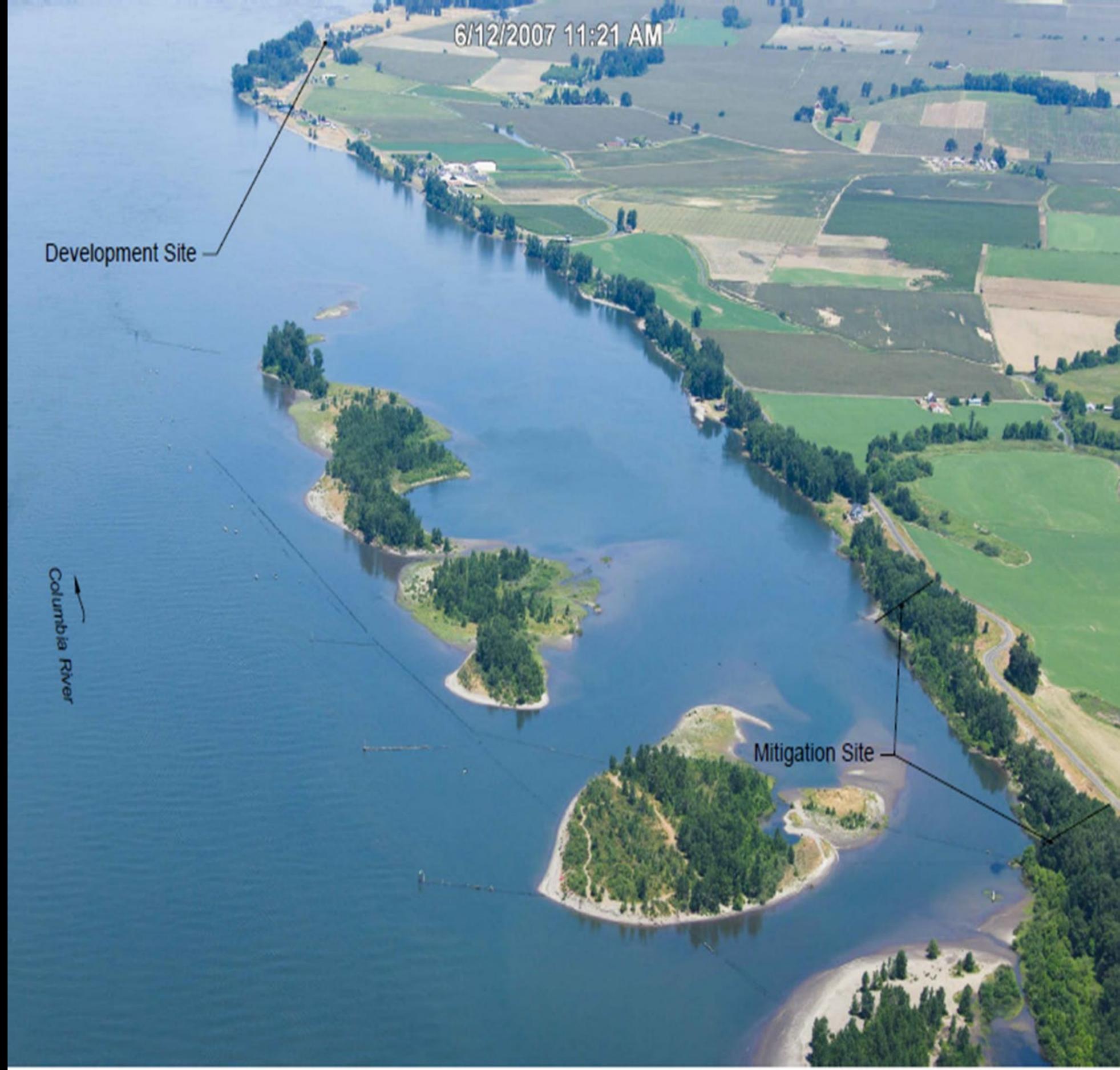
Development Site

POTHOLE:

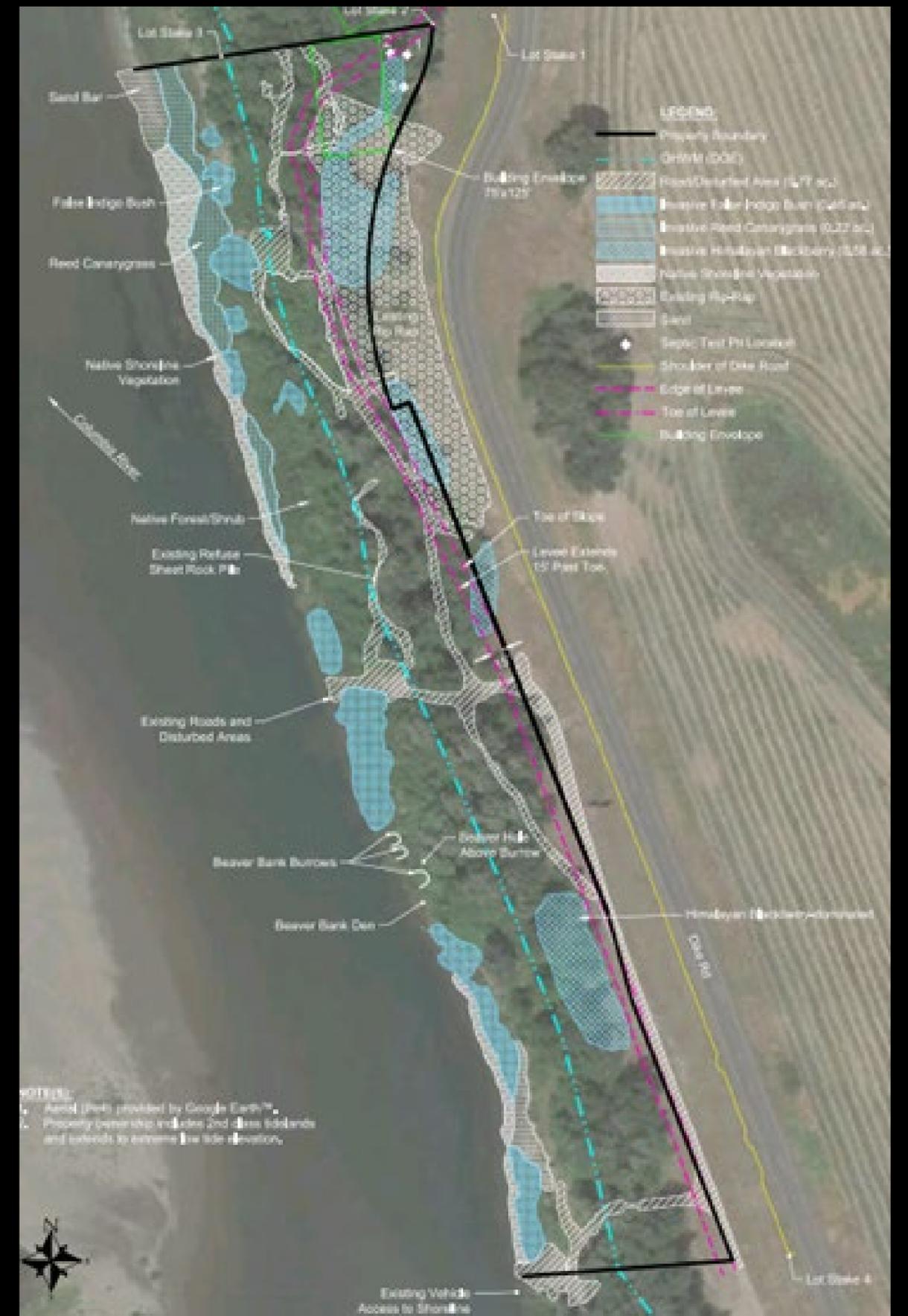
REQUIRES MITIGATION PLAN FOR
SHORELINE/AQUATIC IMPACTS
INCLUDING PUBLIC ACCESS

MITIGATION SITE PLAN

PATCH:
SHORELINE SITE UPSTREAM
ACQUIRED FOR BOTH MITIGATION
AND PUBLIC ACCESS

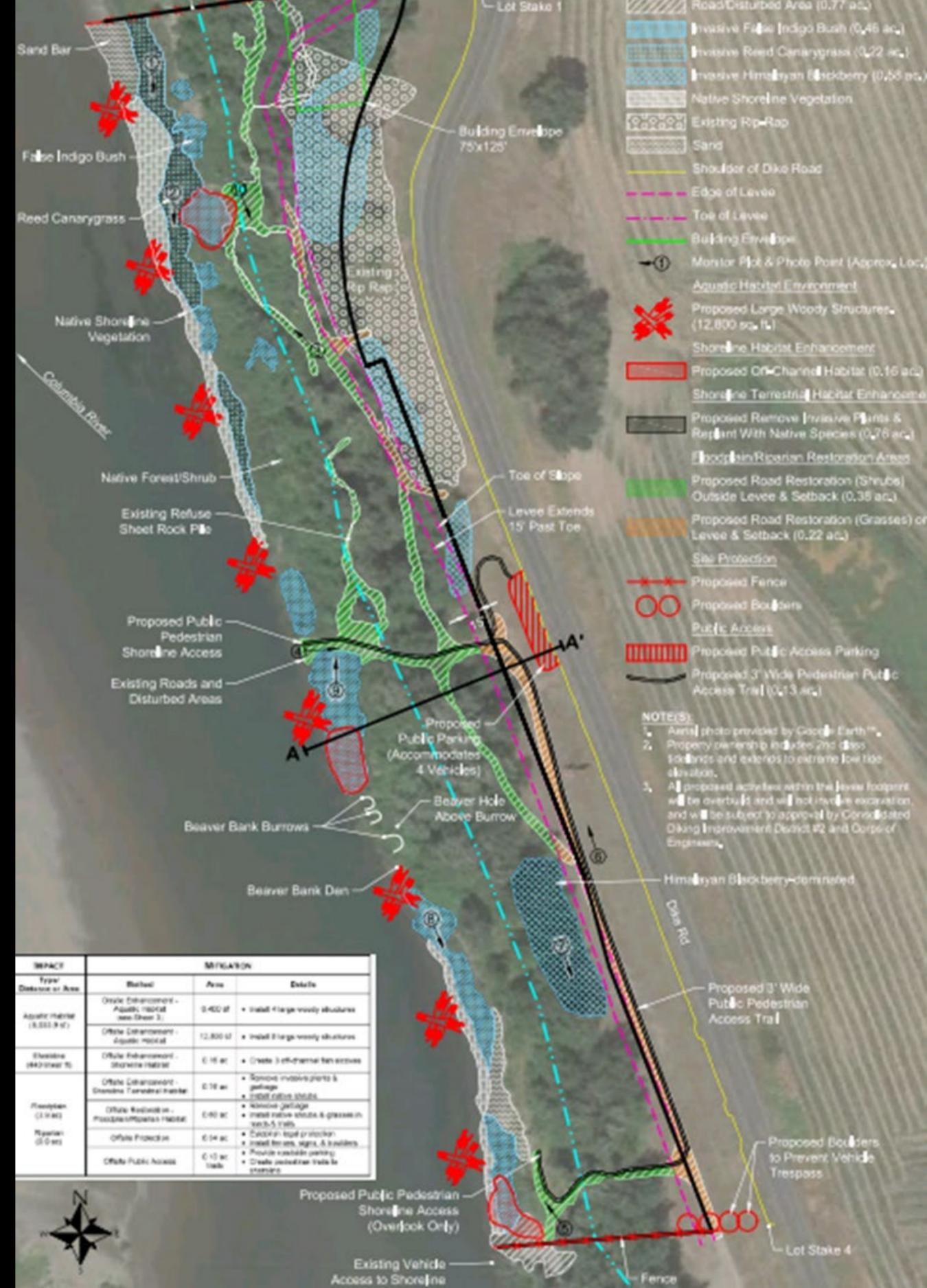


6+ ACRES PREVIOUSLY PLATTED FOR SINGLE FAMILY RESIDENCE



MITIGATION MEASURES: OFF SITE

PATCH:
RESTORATION, ENHANCEMENT & PRESERVATION
OF 6+ ACRES OF HIGHER FUNCTIONING
AQUATIC/RIPARIAN HABITAT ON THE COLUMBIA
RIVER.



MITIGATION SITE: OCTOBER 2014

Before Mitigation



MITIGATION SITE: OCTOBER 2015

Before Mitigation



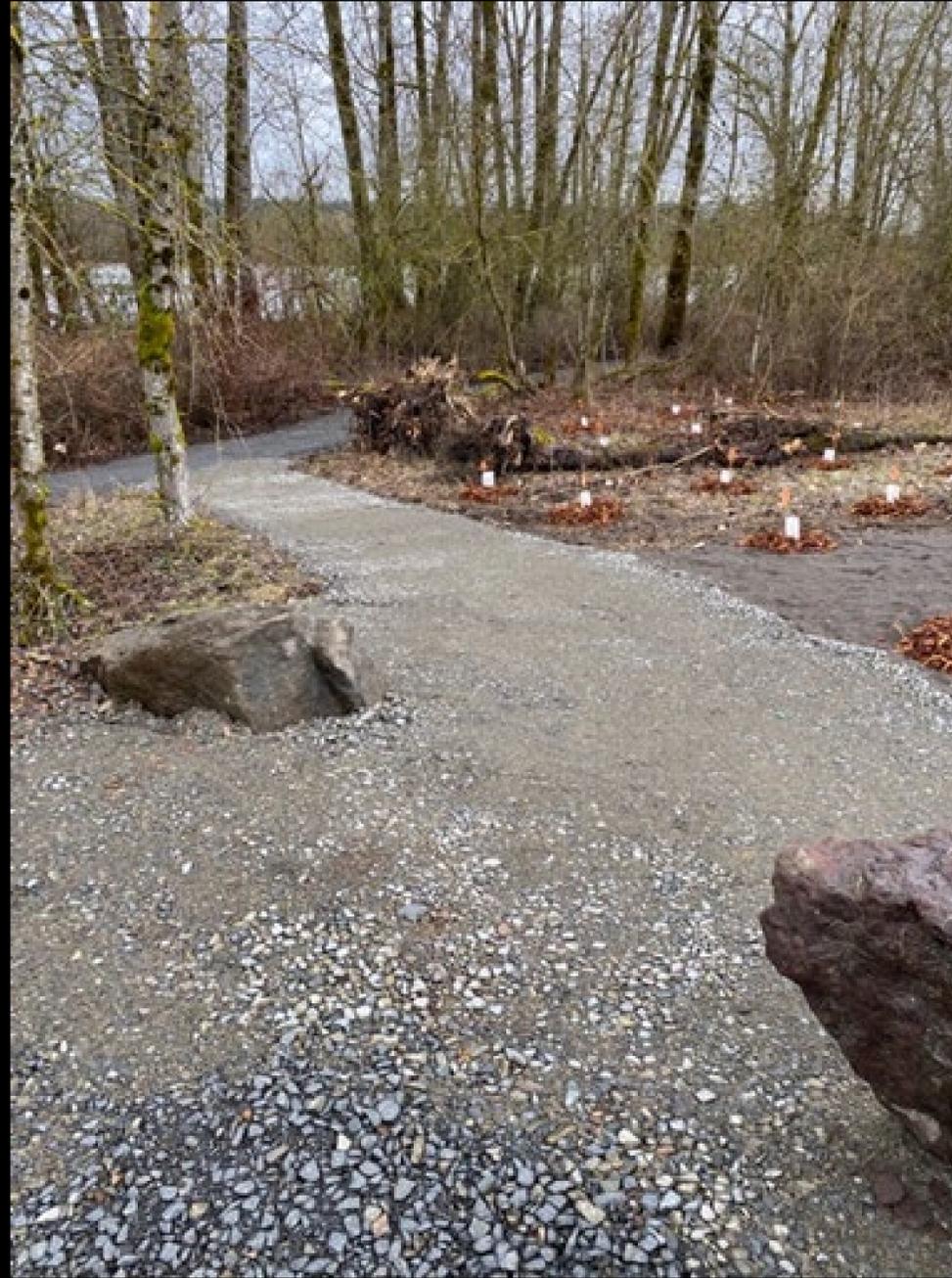
MITIGATION SITE: 2023

After Mitigation

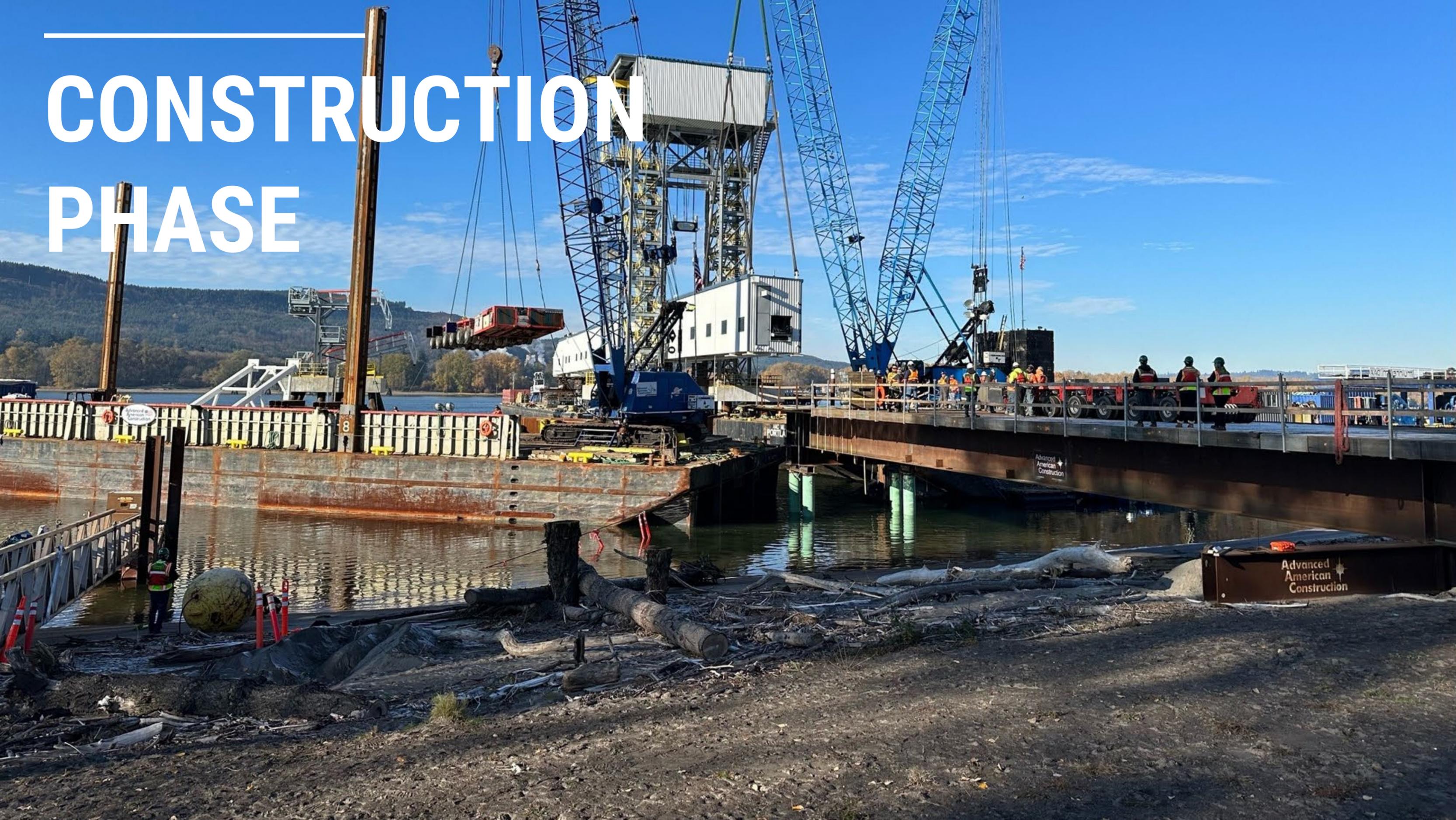


MITIGATION SITE: 2023

After Mitigation



CONSTRUCTION PHASE



CONSTRUCTION RECAP



CATHLAPOTEL RIVER PARK

