

Stone Butte Quarry

Curry County Planning
Commission

October 21, 2021

Dorian Kuper, Engineering Geologist

Tom Kuper, Engineering Geologist

Kuper Consulting LLC

Presentation Summary

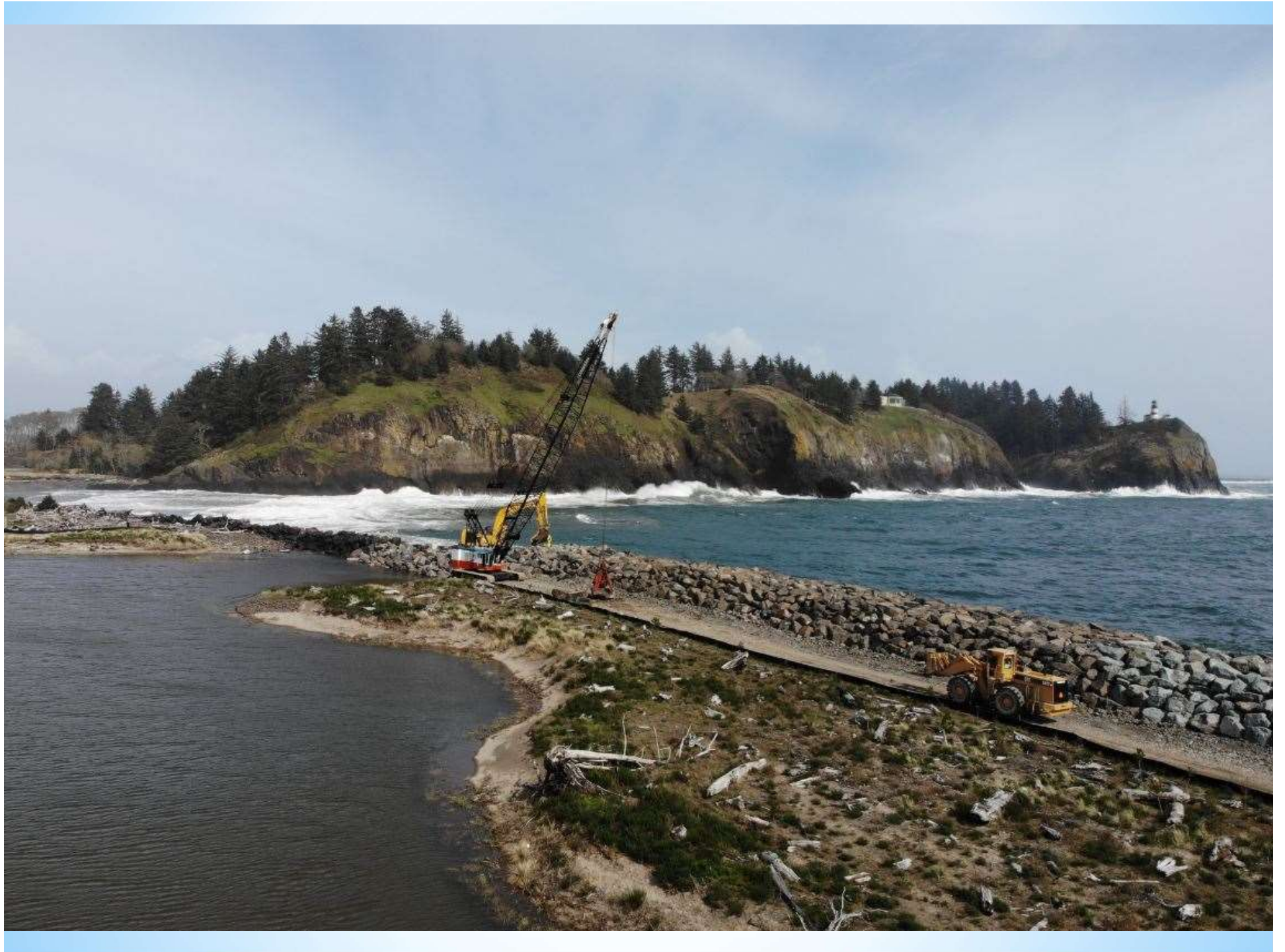
- Minor modification to an existing 2014 Conditional Use (CU) permitted mining operation
- Unique resource including jetty stone rock
- Mine & Reclamation Plan
- Storm Water Plan
- Permit Process: County, DOGAMI & DEQ

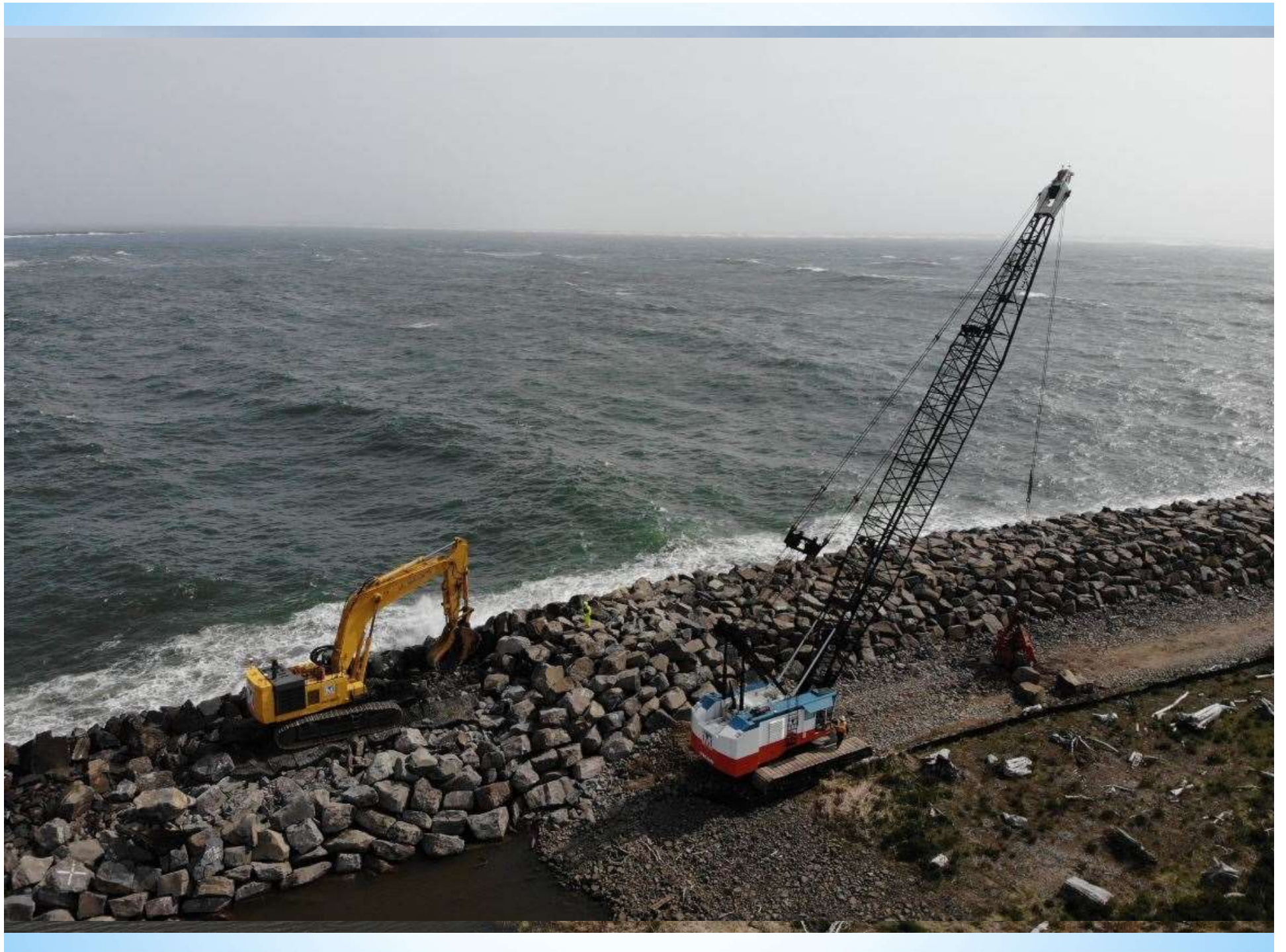
County/DOGAMI Permits

- 2014 - Conditional Use approved by the County for ~73 acres within the ~ 700 acre ownership
- 2017 - Permitted by DOGAMI for surface mining
- 2021 - Request by the applicant for a minor modification of the County CU

Unique Geologic Resource

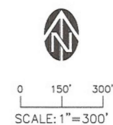
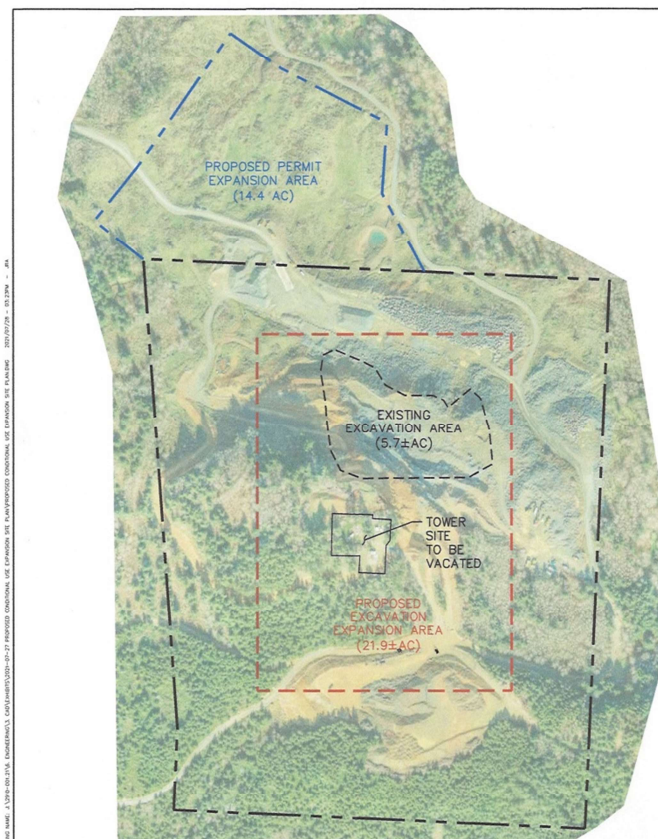
- High quality metamorphic basalt rock - meets US Corps of Engineers criteria for jetty stone, only known permitted quarry producing jetty stone in large quantities in Southwest Oregon
- Jetty stone Corps project examples:
 - North & South jetties - Columbia River
 - Tillamook jetty
 - Port Orford jetty





Mine Plan

- ~ 73 acres currently permitted by the County & DOGAMI, on going mining operation, request to add ~ 14.4 acres for stockpiling of materials
- Wildlife, Wetlands, Riparian analysis performed in the 14.4 acre stockpile area - wetlands with 50 ft. buffers, fencing to protect wetlands
- Expand the current 5.7 excavation area for a total of 27.6 acres of excavation of rock within the ~ 73 acres
- Excavation of rock in 4 phases from north to south
- Mine plan designed to meet County, DOGAMI/DEQ and other agency requirements - DOGAMI & DEQ currently in review of the mine plan
- DOGAMI makes periodic site inspections during the life of the mine



LEGEND:


- 
 EXISTING CONDITIONAL USE (AD-1413) BOUNDARY (72.77 AC)
 PROPOSED 14.4 AC STOCKPILE EXPANSION AREA
 (TOTAL REVISED CONDITIONAL USE BOUNDARY IS 72.77 AC + 14.4 AC = 87.17 AC)
 PROPOSED 21.9 AC EXCAVATION EXPANSION AREA
 (TOTAL EXCAVATION AREA = 27.6± AC)
 EXISTING APPROVED EXCAVATION AREA (5.7± AC)

Exhibit B
Page 1 of 1



WESTLAKE
CONSULTANTS

Planning | Engineering | Surveying

STONE BUTTE QUARRY
46513 US HIGHWAY 101
LANGLOIS, OR 97450

PROPOSED CONDITIONAL USE EXPANSION SITE PLAN

DATE	07/2021
REVISION	0
DRAWN BY	JRA
CHECKED BY	JRA
JOB NO.	2910-001



Reclamation Plan

- Intent of the plan is to leave the site in a stable condition per County & DOGAMI regulations
- Previous 2017 approved reclamation plan by DOGAMI has been amended and is under review by DOGAMI
- Plan will leave stable slopes, revegetation with native grasses, shrubs & trees
- Concurrent reclamation, where possible, as the mining moves from one phase to another north to south
- Final reclamation of the mine site will be returned to forestry/grazing uses, subject to state agency approval and a DOGAMI reclamation bond

Storm Water Plan

- Purpose - storm water runoff from disturbed mining areas
 - to be contained & treated within the mine boundary prior to discharge offsite
- Series of ponds, ditches and check dams with discharge points that are monitored - water is tested for sediment & water quality
- As mining progresses across the site, the storm water plan evolves
- BMP's implemented, such as adding ponds, gravel berms and grass lined ditches to slow and clean the water
- Plan submitted to DOGAMI/DEQ with positive comments from the agencies

Permit Process - State

- Oregon Department of Geology & Mineral Industries (DOGAMI)
- Regulates mining in the State
- Lead state agency of about 20 agencies that review/comment on the operating permit
- Upon receipt of a bond, permit site for mining following County approval

CONCLUSIONS

- Minor modification of an existing CU for an ongoing mining operation
- High quality rock - unique jetty stone resource
- Responsible mine & reclamation plan proposed, currently under review by DOGAMI
- Storm water plan currently under review by DEQ & DOGAMI

