



COUNTY OF HUMBOLDT
PLANNING AND BUILDING DEPARTMENT
CURRENT PLANNING DIVISION

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Phone: (707) 445-7541 • Fax: (707) 268-3792

Hearing Date: May 4, 2017

To: Humboldt County Planning Commission

From: John H. Ford, Director of Planning and Building Department

Subject: **Walsh Surface Mining Conditional Use Permit & Reclamation Plan**
Application No. 13445
Case Nos. CUP-17-014/SMP-17-001/RP-17-001;
Assessor Parcel Number APN 311-081-05
Fortuna area

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Please contact Michael E. Wheeler at 268-3730 or by email at mwheeler@co.humboldt.ca.us if you have any questions about the scheduled public hearing item.

cc: Referral Agencies: ☒ LUD ☒ DOC-OMR

AGENDA ITEM TRANSMITTAL

Hearing Date May 4, 2017	Subject : Surface Mining Permit, Conditional Use Permit and Reclamation Plan	Contact Michael Wheeler
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Project Description: Renewal of a 15-year permit term for a previously approved rock quarry surface mining operation which has been permitted and operating for the past 25 years. The project includes renewal of a Conditional Use Permit, Surface Mining Permit, Reclamation Plan, and review of financial assurance cost estimates for a surface mining operation involving an open pit upland rock quarry with a proposed total extraction of 90,000 cubic yards over a 15-year period from an open pit mine. The method of surface rock removal will involve the use of explosives and an air track drill spaced on an 8'-10' grid pattern back from the rock face. Other equipment to be used includes a "cat 966 loader", a "cat D-7 crawler", and a grizzly dry screen sorter. Rock products will be hauled by end-dump trucks. Truck trips are estimated at an average daily traffic of five. Aggregate production will be conducted by a three man crew on a demand basis and portable toilet facilities will be provided for on-site employees.

Project Location: The project site is located in Humboldt County, in the Salmon Creek area in Section 18, T3N, R1E at the end of a private road approximately 6.0 miles east of the junction of the private road with Tompkins Hill Road.

Present Plan Land Use Designations: Timber Production (T)

Present Zoning: Timberland Production (TPZ)

Case Numbers: SMP 17-001, CUP 17-014, RP 17-001

Application Number: 13445

Assessor Parcel Numbers: 311-081-005-000

Applicant

Heidi Beauchamp
Walsh Timber Company
2307 S Street
Eureka, CA 95501

Owner

Walsh Timber Company
2307 S St
Eureka, CA 95501

Agent

LACO Associates | Meghan
Ryan
25 W. 4th Street
Eureka, CA 95501

Environmental Review: Yes.

State Appeal Status: Project is NOT appealable to the California Coastal Commission

Major Issues: None

WALSH SURFACE MINING CONDITIONAL USE PERMIT & RECLAMATION PLAN

Case Numbers CUP-17-014/SMP-17-001/RP-17-001

Assessor Parcel Number APN 311-081-05

Recommended Planning Commission Action

1. Describe the application as part of the Consent Agenda.
2. Survey the audience for any person who would like to discuss the application.
3. If no one requests discussion, make the following motion to approve the application as a part of the consent agenda:

Adopt the Addendum to the Mitigated Negative Declaration and to make all of the required findings for approval of the Surface Mining Conditional Use Permit and Reclamation Plan, based on evidence in the staff report and public testimony, and adopt the Resolution approving the Walsh project subject to the recommended conditions.

EXECUTIVE SUMMARY

The applicant is proposing renewal of a surface mining permit to extract a total of 90,000 cubic yards (yd³) of rock and fragmented aggregate material over an anticipated 15-year life from a 2.5 acre upland quarry in rural central Humboldt County. The quarry site is previously permitted and has been in operation under a Conditional Use Permit (CUP-11-91) approved for a ten year term on July 20, 1991. And a previous 15-year renewal approved August 16, 2001 (CUP-00-39/SMP-00-06/RP-00-06). The applicant is requesting renewal of a Conditional Use Permit and associated Reclamation Plan to extend use of the site as a commercial mining operation for an additional 15 years. A staging area will be used for stockpiling of sorted rock materials, loading of materials onto trucks, occasional use of a non-mechanical screen grizzly, and general equipment staging.

The operation will involve the average annual production of up to 6,000 yd³ of quarry materials consisting primarily of rock and gravel. The method of surface rock removal will involve the use of explosives and an air track drill spaced on an 8'-10' grid pattern back from the rock face. Other equipment to be used includes a "cat 966 loader", a "cat D-7 crawler", and a grizzly dry screen sorter. Rock products will be hauled by end-dump trucks. Truck trips are estimated at an average daily traffic increase of five. Aggregate production will be conducted by a three man crew on a demand basis and portable toilet facilities will be provided for on-site employees.

These materials will be extracted, stockpiled, and possibly sorted before being transported from the processing site by truck. The haul route consists of a private access road entering directly onto a public road (Tompkins Hill Road), which leads to U. S. Highway 101. During periods of aggregate production, there will be an average of 5 truck trips per day.

The quarry will be subject to numerous on-going, annual, and terminal mitigation and reclamation measures. These include: set operational hours for blasting, extraction, processing, and hauling, the installation of a stormwater detention and sedimentation basin, winterizing the site prior to the onset of the rainy season, and final reclamation of the site at the end of the permit term. No hazardous materials such as fuels, lubricants, and explosives, will be stored on-site and a "business plan" approved by the Public Health Department is not required.

The actual and potential environmental effects reviewed by County staff and referral agencies in relation to the project include: noise and hazards, traffic, dust, safety concerns, water quality degradation, impacts to sensitive habitat areas, and depreciation in open space aesthetics. Staff supports approval of the application for several reasons: a) the site has historically been used as a rock quarry; b) the project area is removed from urban developments and is not

anticipated to have any impact on residential uses; and c) potential impacts to resources have been addressed through mitigation and operations restrictions. Based upon the operational and performance standards included in the mining operation and reclamation plan, staff and the referral agencies have concluded that the operation can be conducted in a safe and appropriate manner provided these standards are made conditions of project approval.

Based on the on-site inspection, a review of Planning Division reference sources, and comments from all responding referral agencies, Planning staff has found that the project will not result in a significant impact on the environment as proposed, and that the applicant has submitted evidence in support of making all of the required findings for approving the proposed surface mining permit and reclamation plan per the Recommended Commission Action.

ALTERNATIVES

1. The Planning Commission could conclude that the findings to approve the project cannot be made and deny the project. Staff does not support this option, believing that the project as designed and conditioned will substantially conform to requirements for this use.
2. The Planning Commission could conclude that the environmental document, its findings, recommendations, mitigation measures or monitoring program do not meet the requirements of the California Environmental Quality Act and local ordinances. The Commission could revise these documents to address any failings during public hearing or the Commission could continue consideration of the project and direct staff to amend the document as deemed necessary. As stated herein, staff believes the document is in conformance and supports its certification.

**RESOLUTION OF THE PLANNING COMMISSION
OF THE COUNTY OF HUMBOLDT
Resolution Number 17-**

Makes the required findings for certifying compliance with the California Environmental Quality Act and conditionally approves the Walsh Surface Mining Conditional Use Permit & Reclamation Plan

WHEREAS, agents for the Walsh Timber Corporation submitted an application and evidence in support of approving a conditional use permit, surface mining permit and reclamation plan for a surface mining operation involving the extraction of 90,000 cubic yards of material over an anticipated 15-year quarry life; and

WHEREAS, the County Planning Division has reviewed the submitted application and evidence and has referred the application and evidence to involved reviewing agencies for site inspections, comments and recommendations; and

WHEREAS, the project is subject to environmental review pursuant to the California Environmental Quality Act (CEQA), and has an approved Mitigated Negative Declaration; and

WHEREAS, Attachment 2 in the Planning Division staff report includes evidence in support of making all of the required findings for approving the proposed surface mining operation and reclamation plan;

NOW, THEREFORE, be it resolved, determined, and ordered by the Planning Commission that:

1. The Planning Commission adopts the proposed Addendum to the previous Negative Declaration in Attachment 4, as required by Section 15074(b) of the CEQA guidelines, and finds that there is no substantial evidence that the proposed project will have a significant effect on the environment; and
2. The Planning Commission makes the findings in Attachment 2 of the Planning Division staff report for Case Numbers SMP 17-001, CUP 17-014, RP 17-001 based on the submitted evidence.
3. The Planning Commission conditionally approves the proposed surface mining operation and reclamation plan as recommended in the Planning Division staff report for Case Numbers SMP 17-001, CUP 17-014, RP 17-001.

Adopted after review and consideration of all the evidence on May 4, 2017.

The motion was made by Commissioner and seconded by Commissioner .

AYES: Commissioners:

NOES: Commissioners:

ABSTAIN: Commissioners:

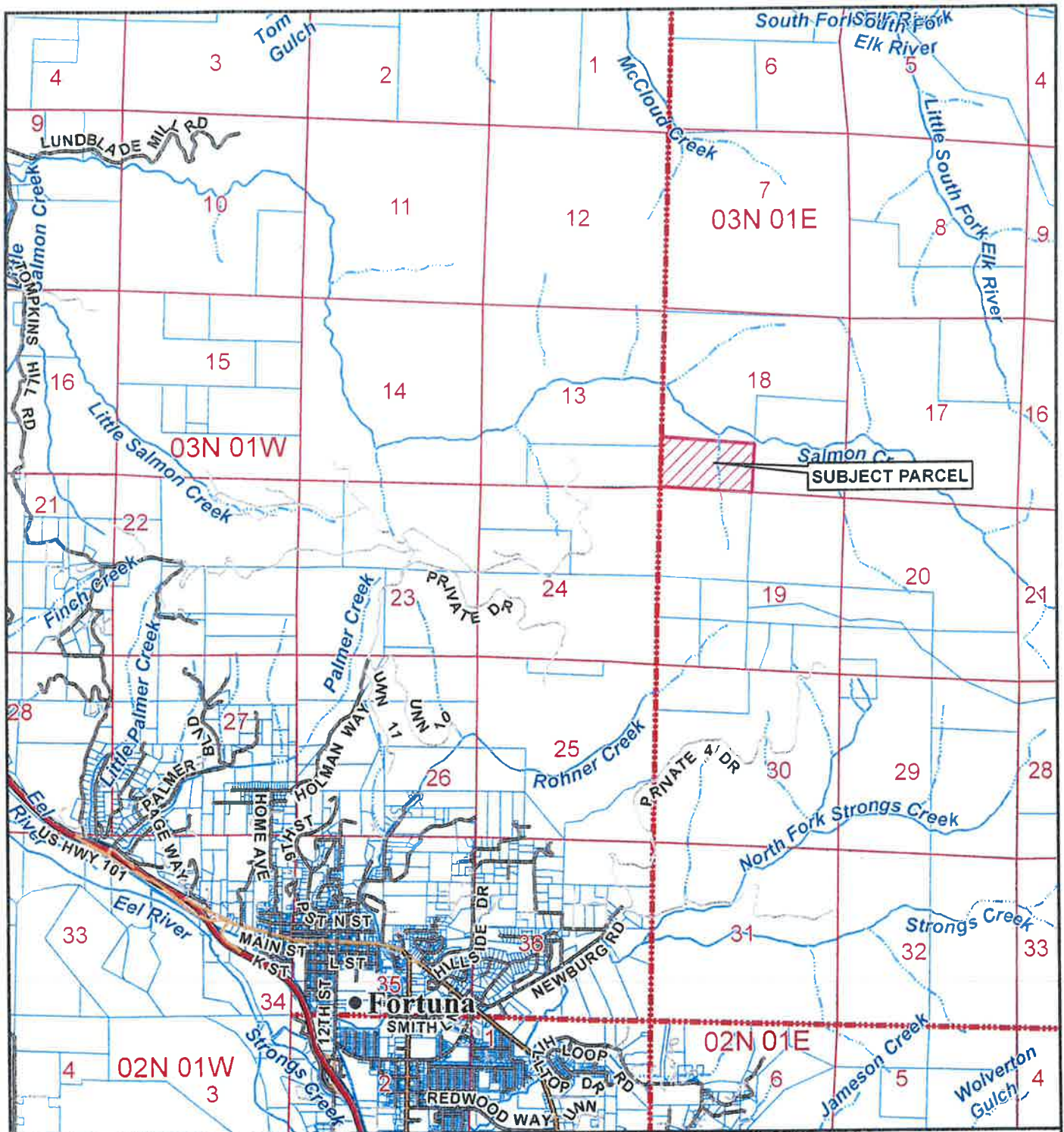
ABSENT: Commissioners:

DECISION:

Robert Morris, Chair

I, Suzanne Lippre, Clerk to the Planning Commission of the County of Humboldt, do hereby certify the foregoing to be a true and correct record of the action taken on the above entitled matter by said Commission at a meeting held on the date noted above.

Suzanne Lippre, Clerk



LOCATION MAP

PROPOSED WALSH TIMBER CO SURFACE MINING PERMIT, CONDITIONAL USE PERMIT & RECLAMATION PLAN FORTUNA AREA

SMP-17-001/CUP-17-001/RP-17-001

APN: 311-081-005

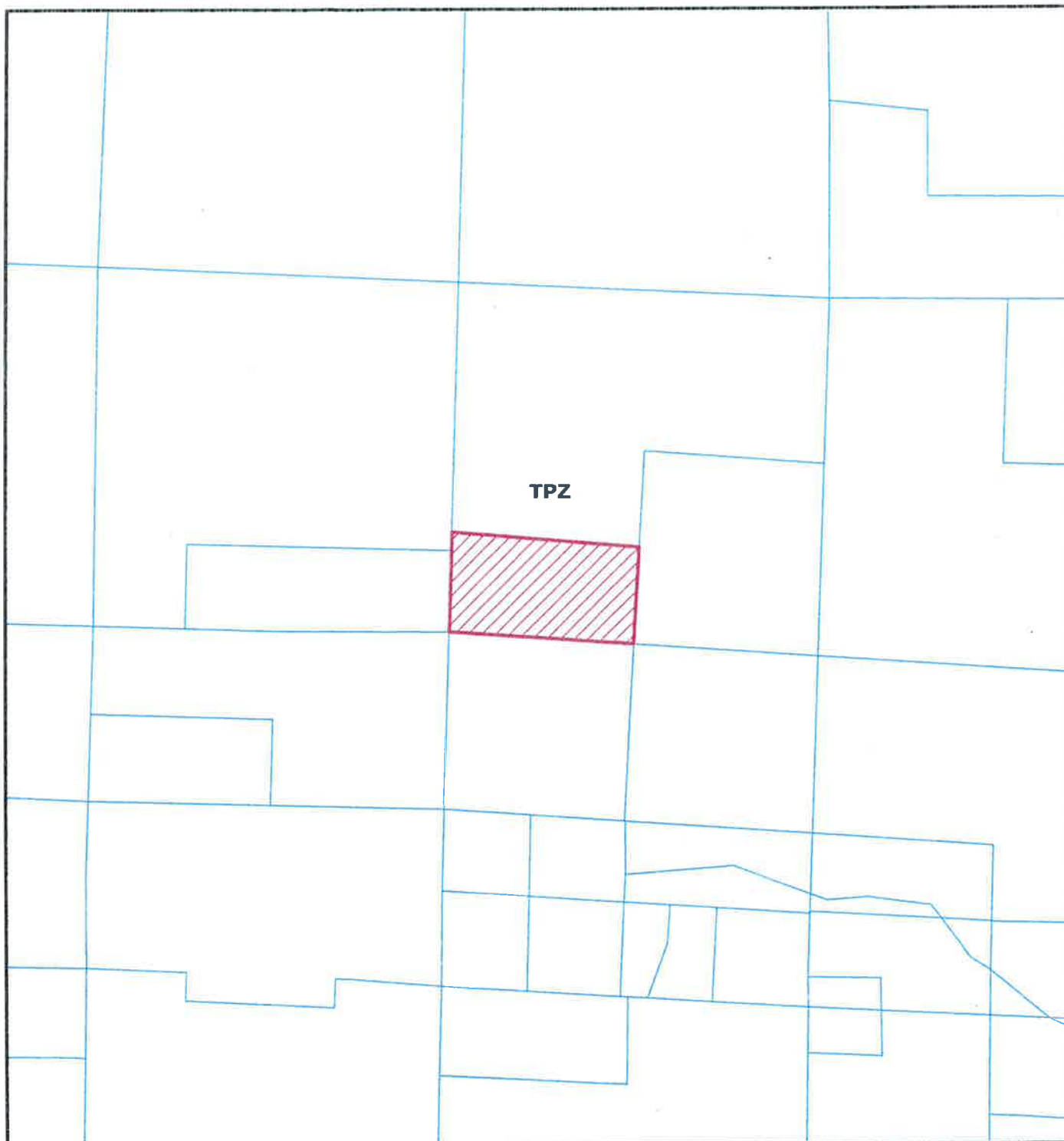
T03N R01E S18 HB&M (McWinney Creek)

Project Area = 

This map is intended for display purposes and should not be used for precise measurement or navigation. Data has not been completely checked for accuracy.



0 0.25 0.5 0.75 1 Miles



ZONING MAP

**PROPOSED WALSH TIMBER CO
SURFACE MINING PERMIT,
CONDITIONAL USE PERMIT &
RECLAMATION PLAN
FORTUNA AREA**

SMP-17-001/CUP-17-001/RP-17-001

APN: 311-081-005

T03N R01E S18 HB&M (McWhinney Creek)

Project Area = 

This map is intended for display purposes and should not be used for precise measurement or navigation. Data has not been completely checked for accuracy.



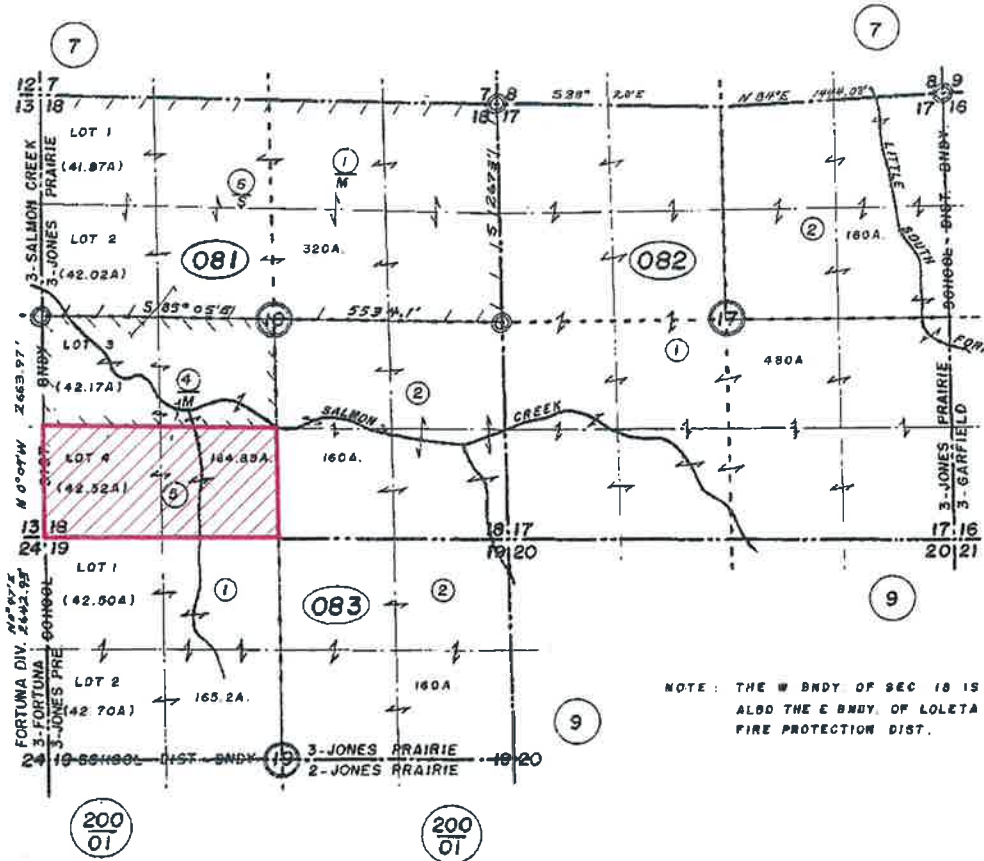
0 0.25 0.5
Miles

SECS 17 & 18 & PTN OF SEC 19, 3N, 1E

311-08

T.C.A. 104-01

1" = 1200'



L.S. 6-9
11-67
13-16

AERIAL PHOTO: CDF2-33-70

NOTE: THE W BNDY OF SEC 18 IS
ALSO THE E BNDY OF LOLETA
FIRE PROTECTION DIST.

FH

ASSESSOR PARCEL MAP PROPOSED WALSH TIMBER CO SURFACE MINING PERMIT, CONDITIONAL USE PERMIT & RECLAMATION PLAN FORTUNA AREA

SMP-17-001/CUP-17-001/RP-17-001

APN: 311-081-005

T03N R01E S18 HB&M (McWhinney Creek)

Project Area = 

This map is intended for display purposes and
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navigation. Data has not been completely checked
for accuracy.

MAP NOT TO SCALE



AERIAL MAP

PROPOSED WALSH TIMBER CO SURFACE MINING PERMIT, CONDITIONAL USE PERMIT & RECLAMATION PLAN FORTUNA AREA

SMP-17-001/CUP-17-001/RP-17-001

APN: 311-081-005

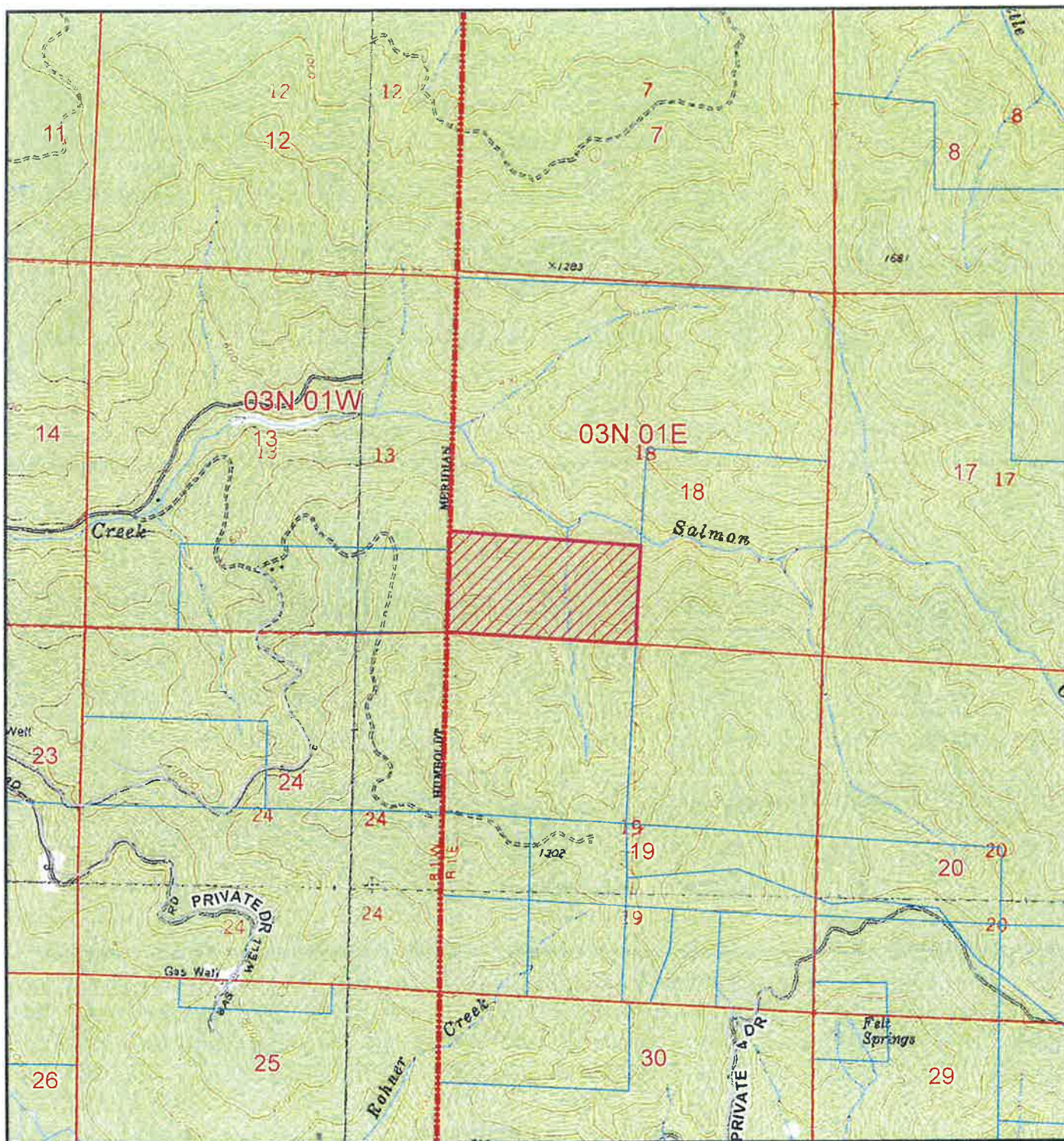
T03N R01E S18 HB&M (McWhinney Creek)

Project Area = 

This map is intended for display purposes and should not be used for precise measurement or navigation. Data has not been completely checked for accuracy



0 0.25
Miles



TOPO MAP

PROPOSED WALSH TIMBER CO SURFACE MINING PERMIT, CONDITIONAL USE PERMIT & RECLAMATION PLAN FORTUNA AREA

SMP-17-001/CUP-17-001/RP-17-001

APN: 311-081-005

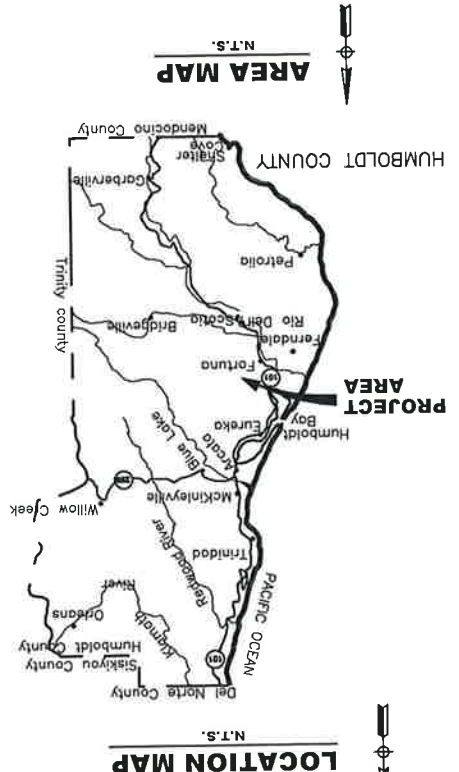
T03N R01E S18 HB&M (McWinney Creek)

Project Area = 

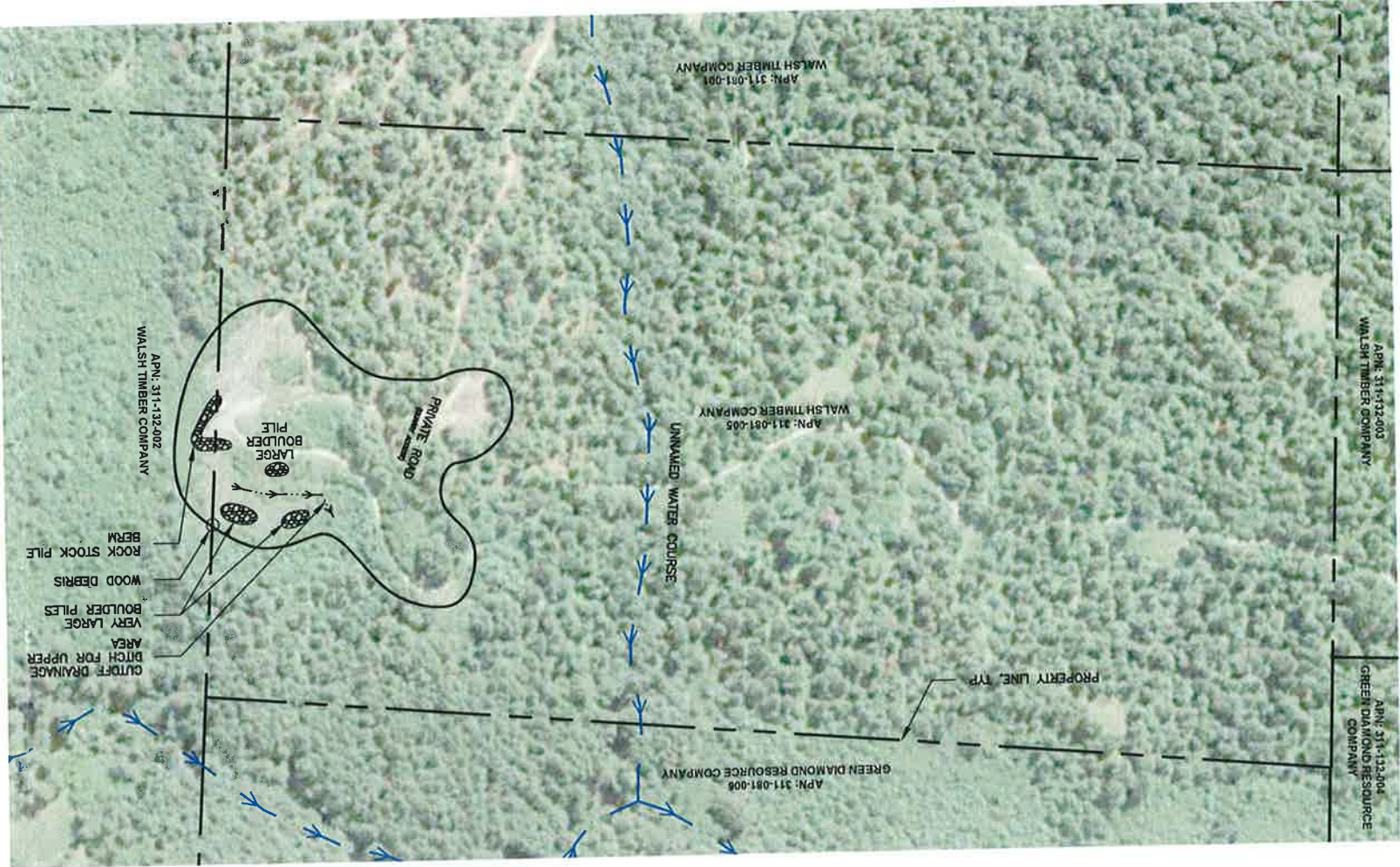
This map is intended for display purposes and should not be used for precise measurement or navigation. Data has not been completely checked for accuracy.



0 0.25 0.5 Miles



DIRECTIONS TO SITE:
 THE QUARRY SITE IS LOCATED 1.5 MILES NORTHERLY OF STATE ROUTE 101, ON TOMPKINS HILL ROAD, THEN EASTERLY 2.4 MILES TO A LOCKED RED GATE (WALSH PROPERTY LINE), THEN 1.7 MILES TO THE QUARRY SITE, AND APPROXIMATELY 3 MILES NORTH EASTERLY OF THE CITY OF FORTUNA.



PROJECT DESCRIPTION:
 THE PROPOSED PROJECT IS A CONDITIONAL USE PERMIT FOR AN EXISTING SURFACE MINING OPERATION NEAR THE COMMUNITY OF FORTUNA, (CA MINE ID #91-12-0036) LOCATED UNDER THE 2001 PERMITS (CUP-11-91X/SMR-01-91X), INCLUDING EXTRACTION OF APPROXIMATELY 6,000 CUBIC YARDS OF GREYWACKE SANDSTONE ANNUALLY.
 PROJECT INFORMATION:
 APPLICANT: WALSH TIMBER COMPANY
 ATTN: HEIDI BEAUCHAMP
 EUREKA, CA 95501
 OWNER: WALSH TIMBER COMPANY
 2307 S STREET
 EUREKA, CA 95501
 AGENT: LACO ASSOCIATES
 ATTN: MEGHAN RYAN
 21 W 4TH STREET
 EUREKA, CA 95501
 APN: 311-081-005
 ACRES: 86.00
 TOTAL ACRES TO BE RECLAIMED: 3.0
 PLAN: T (TIMBER)
 ZONE: TPZ (TIMBER PRODUCTION)
 SETBACKS*
 FRONT: 20'
 REAR: 30'
 SIDES: 30'
 *SRA SETBACKS APPLY (30' ALL SIDES)
 NOTES:
 1. ALL LOCATIONS ARE APPROXIMATE
 2. PROPERTY LINES AND WATERWAYS
 SHOWN HEREON ARE FROM
 HUMBOLDT COUNTY SHAPE FILES.
 PROPERTY LINES ARE APPROXIMATE.
 THIS IS NOT A BOUNDARY SURVEY.
 3. UTILITIES ARE NOT SURVEYED,
 CONTRACTOR IS TO VERIFY THE
 EXISTENCE OR ABSENCE OF
 UTILITIES AND THE EXACT
 LOCATIONS PRIOR TO
 CONSTRUCTION.
 4. IMAGES SHOWN HEREON ARE FROM
 BING.

WALSH QUARRY CUP RENEWAL APPLICATION APN: 311-081-005

DRAWN	JDB
CHECK	MAR
APPROVED	EAB
DATE	2/1/17
JOB NUMBER	8563.00
FIGURE	1

WALSH QUARRY CUP RENEWAL APPLICATION
 CA MINE ID# 91-120036
 WALSH TIMBER COMPANY
 2307 S STREET EUREKA, CA

NO.	HISTORY / REVISION	BY	CHK.	DATE

LACO
 EUREKA • UKIAH • SANTA ROSA
 1-800-515-5054 www.lacossociates.com

Attachment 1

Conditions of Approval for the Walsh Surface Mining Conditional Use Permit & Reclamation Plan

Approval of the surface mining permit, conditional use permit, and reclamation plan is conditioned on the following terms and requirements:

A. Conditions of Approval:

1. Financial Assurances to ensure reclamation is performed in accordance with the approved reclamation plan shall be entered into with the County of Humboldt and the State Geologist per PRC Section 2773.1.
2. The applicant shall submit a "wet signed" statement naming the person or persons who accept responsibility for reclaiming the mined lands in accordance with the approved reclamation plan and PRC Section 2772.
3. The applicant shall reimburse the Planning Division for any processing costs that exceed the application deposit.
4. The General Plan User Fee of \$650 for Industrial Development must be paid to the Humboldt County Community Development Services Department.
5. Prior to hearing, the applicant shall submit a check to the Planning Division payable to the Humboldt County Recorder in the amount of \$2,266.25. [Note: In order to comply with the time limits for filing the Notice of Determination per CEQA, this payment will be requested from the applicant prior to hearing and will be held by the Planning Division pending a decision on the permit.] Pursuant to Section 711.4 of the Fish and Wildlife Code, the amount includes the Department of Fish and Wildlife (DFW) fee plus a \$50 document handling fee. This fee is effective through December 31, 2017 at such time the fee will be adjusted pursuant to Section 713 of the Fish and Wildlife Code. Alternatively, the applicant may contact DFW by phone at (916) 651-0603 or through the DFW website at www.dfg.ca.gov for a determination stating the project will have no effect on fish and wildlife. If DFW concurs, a form will be provided exempting the project from the \$2,216.25 fee payment requirement. In this instance, only a copy of the DFW form and the \$50.00 handling fee is required.
6. The applicant shall abide by all of the mitigation measures contained in the previously adopted Mitigated Negative Declaration.
7. The applicant shall record a *Notice of Reclamation Plan Approval* for the approved reclamation plan at the Humboldt County Recorder's Office in accordance and PRC Section 2772.7.
8. This project is required to pay for permit processing on a time and material basis as set forth in the schedule of fees and charges as adopted by ordinance of the Humboldt County Board of Supervisors. Any and all outstanding Planning fees to cover the processing of the subdivision shall be paid to the Humboldt County Planning Division, 3015 "H" Street, Eureka. The Department will provide a bill to the applicant upon file close out after the Planning Commission decision.

B. Operation Restrictions:

1. The mining operator shall adhere to the approved reclamation plan and mitigation monitoring program, as applied to the mining extraction site proper, and other support and ancillary uses and facilities (i.e., stockpiles, and the maintenance of access road drainage culverts). This shall include the Limitations on Operations included herein setting forth routine (i.e., non-emergency) days and hours of operations. The reclamation plan shall be reviewed annually by the operator and county staff to assure that any required reclamation is completed and is in compliance with the approved reclamation plan. Any substantial changes to the reclamation plan, including changes necessitated or required by changes in the riverine environment, may require review by the Division of Mines & Geology, Reclamation Program, and approval by the County.
2. The applicants/operators shall abide at all times with the Humboldt County Surface Mining Regulations, and any revisions thereto, and the State Surface Mining and Reclamation Act, and any revisions thereto.
3. The terms of this conditional use permit and reclamation plan shall be the fifteen (15) years from the effective date. The applicant may renew the use permit and/or reclamation plan by submitting appropriate forms and fees in effect at the time of renewal.
4. The operator shall be responsible for submitting to the State Geologist, on forms provided by the State Geologist, an annual report per PRC Section 2207.
5. Hauling along public roads shall be limited to "legal loads" only. "Overweight loads" must have prior approval from the Department of Public Works and/or CalTrans.
6. Any and all portable toilet facilities shall be adequately maintained by a licensed septic tank pumper to the satisfaction of the County Department of Environmental Health.
7. All surface mining operations involving unpaved roads shall adhere to the provisions for control of dust emissions from roads, Mitigation Measure M-1.
8. The operator shall maintain a berm as described in the reclamation plan around the identified slope so no water will go over the slope.
9. The floor of the working and staging areas shall slope a minimum of 2% into the working face to contain runoff water on site.
10. No new access roads shall be constructed without prior approvals.
11. No riparian vegetation shall be removed without prior approvals.
12. Hours of Operations shall be Monday through Saturday during daylight hours, generally 7:00 am to 6:00 pm.
13. No portion of Graham Way beyond Post Mile 0.45 shall be used for a haul route for this project without prior County approvals.

14. Wet weather operations shall be avoided. Any wet weather work shall be confined to rocky areas only. No equipment shall be allowed on winterized portions of the site during wet conditions to the satisfaction of the California Department of Fish and Game.
15. The applicant shall be responsible for providing 24 hour advance notice of any blasting to all interested parties who have previously requested, in writing, such advance notice.
16. Blasting, shall only be conducted between the hours of 8:00 am and 5:00 pm Monday through Friday. Extraction, drilling, and processing operations shall only be conducted between the hours of 6:00 am and 6 pm Monday through Saturday. Quarry operations shall not be conducted on federal holidays. *The hours and days of operation for loading and hauling of processed material shall not be restricted.*
17. Mining operations are a source of potential fire hazard from vehicles and heavy equipment operations. Accordingly, the project is conditioned to follow established guidelines and requirements for such industrial activities (e.g., use of spark arresters on vehicles, on-site availability of fire suppression water supply and firefighting tools).

C. Informational Notes:

1. Surface mining operations are regulated by various different state and federal agencies. Each of these agencies is responsible for regulating a specific aspect of the mining operation. For example, the Department of Fish and Game is responsible for assuring that fish and wildlife resources are not negatively impacted by a surface mining operation; the Army Corps of Engineers is responsible for regulating discharges into navigable waters of the United States; the Regional Water Control Board oversees waste discharge requirements; CalTrans assures that no State bridges or highways are negatively affected by mining operations, and; the State Lands Commission regulates activities on lands within the public trust. Other agencies which may have jurisdiction over a surface mining operation include but are not limited to, California Department of Conservation, Division of Mines & Geology; North Coast Unified Air Quality Management District; California Coastal Commission; National Marine Fisheries; United States Fish & Wildlife Service; and CalOSHA.

The operator is responsible for contacting all of the above regulating agencies to assure conformance by the surface mining operation with these agencies regulations.
2. The Financial Assurance shall be subject to annual review and adjustments to account for: a) changes in the costs of reclamation due to inflation; b) lands reclaimed in the previous year and not involving future reclamation; and c) additional lands requiring reclamation in the next year.
3. Building permits are required for all equipment structural pads/foundation buildings, and all structural concrete work (i.e. scales) that are not pre-existing.
4. A National Pollution Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction Activity is required unless the applicant demonstrates that there is no storm water runoff from the quarry site. If there are such discharges the applicant shall contact the Regional Water Quality Control Board for permitting requirements.
5. If the project involves the storage and handling of hazardous materials, the applicant shall submit and have approved by the Division of Environmental Health (DEH) a hazardous materials business plan.

ATTACHMENT 2
Staff Analysis of the Evidence Supporting the Required Findings

To approve the project, the Planning Commission must determine that the applicants have submitted evidence in support of making all of the following required findings:

1. CONDITIONAL USE PERMITS

Title III, Division 1, Section 317-36 of the Humboldt County Code (H.C.C.) specifies the findings that must be made to approve the Use Permit. Basically, the Hearing Officer may grant the Use Permit, if, on the basis of the application, investigation and submitted evidence, the following findings are made:

- A. The proposed development is in conformance with the County General Plan;
- B. The proposed development is consistent with the purposes of the existing zone in which the site is located;
- C. The proposed development conforms with all applicable standards and requirements of these regulations; and
- D. The proposed development and conditions under which it may be operated or maintained will not be detrimental to the public health, safety, or welfare.

2. SURFACE MINING RECLAMATION PLANS

The Surface Mining and Reclamation Act (SMARA), as codified in the California Public Resources Code (PRC) commencing at Section 2700, and as locally implemented in HCC Sections 391 *et seq.* and A316-36 *et seq.* establish the administrative basis for the regulation of surface mining and reclamation activities. In addition to findings associated with the review of the mineral extraction activities undertaken in the use permit process, specific criteria for reclamation plans over seeing the rehabilitation and closure of the mining site apply. Generally, reclamation plans must be: a) applicable to a specific piece of property or properties; b) based upon the character of the surrounding area and such characteristics of the property as type of overburden, soil stability, topography, geology, climate, stream characteristics, and principal mineral commodities; and c) establish site-specific criteria for evaluating compliance with the approved reclamation plan, including topography, revegetation, and sediment and erosion control. In addition:

- A. The reclamation plan shall meet the form and content requirements of state law and local ordinance.

3. FINANCIAL ASSURANCES

In addition to the specific techniques and methods to be used to reclaim the mining site, either annually or at the end of the permitted extraction period, mining concerns must demonstrate the financial ability to carry out the reclamation plan. PRC §2770, §2773.1, related administrative guidelines of the Department of Conservation's State Mining and Geology Board (California Code of Regulations §§ 3800 - 3806.2), and local implementing ordinances direct the lead agency to require that the financial assurance:

- A. Comply with the established form, term, and monetary adequacy requirements, as periodically reviewed, to assure the reclamation will be completed should default by the responsible party occur.

4. ENVIRONMENTAL REVIEW

Pursuant to the California Environmental Quality Act (CEQA) as codified in Public Resources Code (PRC) §21000 *et seq.* and California Code of Regulations (CCR) §15000 *et seq.*, one of the following findings must be made prior to the approval of any development subject to CEQA:

- A. The project is categorically or statutorily exempted; or
- B. There is no substantial evidence that the project will have a significant effect on the environment and a Negative Declaration has been prepared; or
- C. The project has had an Environmental Impact Report (EIR) prepared and all significant environmental effects have been eliminated or substantially lessened, or the required findings in CCR §15091 (statement of overriding considerations) have been made.

5. Housing Element Residential Density

The proposed development does not reduce the residential density for any parcel below that utilized by the Department of Housing and Community Development in determining compliance with housing element law (the mid-point of the density range specified in the plan designation), unless the following written findings are made supported by substantial evidence: 1) the reduction is consistent with the adopted general plan including the housing element; and 2) the remaining sites identified in the housing element are adequate to accommodate the County share of the regional housing need; and 3) the property contains insurmountable physical or environmental limitations and clustering of residential units on the developable portions of the site has been maximized.

Staff Analysis:**1. CONDITIONAL USE PERMITS****A. General Plan Conformance**

The following table identifies the evidence, which supports finding that the proposed surface mining operation is in conformance with all applicable policies and standards in Chapters 2-4 of the Humboldt County Framework General Plan (HCFGP).

Plan Section	Policy / Requirement Summary	Supporting Evidence
HCFGP §2510 Timberlands	Policies and standards intending to establish, protect, retain, and preserve timber production areas from incompatible uses or conversion to non-timber uses.	Policies relate directly to TPZ qualification, encouraging their long-term management, supporting improvement programs, examining potentially conflicting placement of public improvements. Surface mining is not specifically identified as a primary and compatible use. However, in previous project reviews, the County has found surface mining to be a compatible temporary use. The site has been used as a quarry since 1991. The acreage to be utilized will eventually be reclaimed and reverted to land use consistent with the plan designation.
HCFGP §2530 Mineral and Energy Resources	Numerous policies and standards recognizing the importance of mining and energy production to local & regional economy, and setting criteria and restrictions to ensure health, safety, and general welfare of persons, property and public resources.	Many of these policies and standards have been incorporated into the implementing Surface Mining Ordinance, as performance standards required of all mining activities.
HCFGP §2553.5 Remote Rural Development	All development should be designed to minimize erosion and sedimentation.	Project specifically includes an impoundment berm for runoff water and other features to capture, filter and contain site runoff and minimize erosion (see Reclamation Plan page 10).
HCFGP §3210 Geologic Hazards	Development should be sited and designed to avoid and minimize the exposure of persons and property to hazards associated with seismic shaking, highly erosive, soils, and unstable topography.	The mining operation is required to comply with guidelines and requirements established by the California Occupational Health and Safety Administration.

Plan Section	Policy / Requirement Summary	Supporting Evidence
HCFGP §3220 Flood Hazards	Development should be sited and designed to avoid and minimize the exposure of persons and property to hazards associated with river and coastal flooding, and inundation due to dam failure.	The project site is not subject to water-related hazards.
HCFGP §3230 Wildfire Hazards	Development should be sited and designed to avoid and minimize the exposure of persons and property to wildfire hazards or conversely, to prevent risks of fire in timberlands and other resources areas from rural residential development.	Generally not applicable as the project entails no permanent rural area development. However, mining operations are a source of potential fire hazard from vehicles and heavy equipment operations. Accordingly, the project is conditioned to follow established guidelines and requirements for such industrial activities (e.g., use of spark arresters on vehicles, on-site availability of fire suppression water supply and firefighting tools).
HCFGP §3240 Noise	Identifies compatible, conditional, and incompatible noise levels for various land uses	Truck traffic along the haul route will be noticed by a few residences along the lower portion of Tompkins Hill Road. Though noise levels are not anticipated to exceed 60 dBA, outside of residences and the total amount of time exposed to these levels would be only a few minutes per day. Operations will be conducted during daylight hours (7 AM to 6PM) minimizing noise conflicts.
HCFGP §3420 Sensitive and Critical Habitats	Identifies, sets use limitations and describes protective measures for environmentally sensitive habitat areas.	Consultation with trustee agencies (CDFG, CDF) identified no sensitive or critical habitats located on or near project site.
HCFGP §4200 Circulation	Establishes policies and standards for planning, development, maintenance and use of roads, ports, rail, airport drainage, and utility facilities.	Hauling of mined materials limited to "legal loads" as defined in Vehicle and Streets & Highways Codes.

B. Zoning Consistency

The following table identifies the evidence, which supports findings that the proposed surface mining operation is consistent with all applicable requirements and standards of the County Zoning Regulations.

Zoning Section	Requirement Summary	Supporting Evidence
HCC §314-11 Uses Compatible With Timber Production	Enumerated examples of uses determined compatible/conditionally permissible.	Though "surface mining" is not expressly listed, HCC 391-1 (Surface Mining Ordinance) recognizes use as conditionally permissible in all zoning districts.
HCC §314-12(c) TPZ Minimum Parcel Size	160 acres, or 40 acres w/ JTMP	The project does not entail land division.
HCC §314-12(e)(1) TPZ Minimum Front Yard	20 ft. (TPZ)	Project does not entail placement of permanent structures subject to setback criteria.
HCC §314-12(e)(3) TPZ Minimum Rear Yard	30 ft. (TPZ);	Project does not entail placement of permanent structures subject to setback criteria.
HCC §314-12(e)(2) TPZ Minimum Side Yard	30 ft.	Project does not entail placement of permanent structures subject to setback criteria.
HCC §314-12(e)(4) Flaglot Setbacks	As required by the Planning Director in consultation with Public Works	Project does not entail placement of permanent structures subject to setback criteria.
HCC §314-12 TPZ Special Residential Restrictions	☐ No greater density than 1 d.u. / 20 ac. ☐ No SDUs on parcels <40 ac. ☐ Homesites and improvements not to exceed 2 ac.	Project does not entail residential development subject to density limitations, preclusion of second units, or limitations on the extent of homesites.

C. Development Requirements and Standards

Notwithstanding the requirement for a Conditional Use Permit for the removal of natural material for commercial purposes for inland areas, and compliance with the development standards of the base and combining zones, general regulations applicable to all zones, several zones and special areas as listed apply to the project. These regulations are contained in the County's Mining Ordinance (HCC §391-1 *et seq.*) and Coastal Zoning Regulations (§313-61.2 *et seq.*) and require that:

- ☐ The proposed surface mining operation incorporates adequate measures to mitigate the probable or known significant environmental effects caused by the proposed operation.
- ☐ The proposed surface mining operation and use is properly located in accordance with the General Plan and any relevant element thereof, to the community as a whole, and to other land uses in the vicinity.

These findings are largely incorporated within existing plan conformance findings for Conditional Use Permits and as directed under CEQA.

In addition to the above approval criteria, HCC 313-61.2 establishes mining permit standards above and beyond that minimally required under SMARA. These standards include:

- ☐ All private encroachments leading to a surface mining operation shall be adequately surfaced to prevent aggregate or other materials from being drawn into the public way.
- ☐ All haul roads and driveways shall be maintained as necessary to minimize the emission of dust and prevent the creation of a nuisance to adjacent properties.
- ☐ Any water discharges from the mined lands shall meet all applicable water quality standards of the Regional Water Quality Control Board and other agencies with authority over such discharges.
- ☐ Adequate measures shall be taken to assure the prevention of erosion from mined lands and adjacent properties during the life of the operation. The reclamation plan shall insure the prevention of erosion subsequent to surface mining operations.

Based on information contained in the application and environmental documentation, the project has been designed or is being conditioned to assure compliance with these standards.

D. Public Health, Safety, and Welfare

Responses From Other Agencies

Humboldt County Building Inspection Division: Recommend approval

Humboldt County Environmental Health Department: Recommend approval.

Humboldt County Department of Public Works, Land Use Division: Informational comments.

California Department of Forestry and Fire Protection: Standard conditions.

California Department of Fish and Game: No comments.

California Office of Mine Reclamation: No comments.

Regional Water Quality Control Board (RWQCB): No comments.

NWIC: Recommend further study.

Bear River THPO: No resources of concern.

Wiyot THPO: No resources of concern.

Based on information submitted by the applicant, contained in the environmental documents, and referrals from all jurisdictional agencies and interested parties at present, staff believes that the project as conditioned will not cause significant environmental effects nor be detrimental to the public health, safety or welfare.

The Mitigated Negative Declaration adopted by the Planning Commission evaluated the project for any adverse effects on fish and wildlife resources. Based on information in the application, and a review of relevant references in the Department, staff has determined that, provided the mitigation measures identified in the Negative Declaration are required as operating conditions, no adverse effects on fish and wildlife resources or the habitat upon which wildlife depends will result.

2. SURFACE MINING RECLAMATION PLANS

Public Resources Code (PRC) Sections 2772, 2773 and 2774 specifies the information and documents required for all reclamation plans. The required information and documents are as follows:

- A. The name and address of the operator and the names and addresses of any persons designated by him as his agent for the service of process; and
- B. The names and addresses of the owners of all surface and mineral interests of such lands; and
- C. The anticipated quantity and type of minerals for which the surface mining operation is to be conducted; and
- D. The proposed dates for the initiation and termination of such operation; and
- E. The maximum anticipated depth of the surface mining operation; and
- F. The size and legal description of the lands that will be affected by such operation.
- G. A map that includes the boundaries and topographic detail of such lands, the location of all streams, roads, railroads, and utility facilities within, or adjacent to, such lands, the location of all proposed access roads to be constructed in conducting such operation.
- H. A description of the general geology of the area, a detailed description of the geology of the area in which surface mining is to be conducted,
- I. A description of and plan for the type of surface mining to be employed and a time schedule that will provide for the completion of surface mining on each segment of the mined lands so that reclamation can be initiated at the earliest possible time on those portions of the mined lands that will not be subject to further disturbance by the surface mining operation; and
- J. A description of the proposed use or potential uses of the land after reclamation and evidence that all owners of a possessory interest in the land have been notified of the proposed use or potential uses; and
- K. A description of the manner in which contaminants will be controlled, and mining waste will be disposed; and
- L. A description of the manner in which rehabilitation of affected streambed channels and streambanks to a condition minimizing erosion and sedimentation will occur; and
- M. An assessment of the effect of implementation on the reclamation plan on future mining in the area; and
- N. A statement that the person submitting the plan accepts responsibility for reclaiming the mined lands in accordance with the reclamation plan; and
- O. A cost estimate prepared by a qualified individual for financial assurances to ensure reclamation is performed in accordance with the reclamation plan.
- P. The comments made by reviewing agencies and lead agency responses thereto.

A. Name and Address of Operator

Reclamation Plan, p. 1

Walsh Timber Corp.
519 - 6th Street
Eureka, CA 95501
phone: 442-5789

B. Owners of Surface and Mineral Interests Reclamation Plan, p. 1:

Walsh Timber Co. holds the ownership and mineral rights to all areas involving the proposed area for extraction, processing and reclamation.

C. Quantity and Type of Minerals

Quantity of Extraction: Reclamation Plan pp. 2 -3:

90,000 cubic yards of rock during new permit term of 15 years, plus 10,000 cy for previous permit term (1991-2001) with an average annual extraction rate of 6,000 cubic yards per year for the new term.

Type of Minerals: Reclamation Plan Attachment 7a, Geotechnical Report:
Graywacke sandstone to be utilized for rock slope protection.

D. Dates for the Initiation and Termination

Reclamation Plan:

As requested by the applicant, a 15-year term starting with project approval. The Surface Mining Ordinance allows for up to a 15-year permit term, subject to future extensions.

E. Depth of Operation

Reclamation Plan page 2.

As stated in the proposed extraction standards, general depth of extraction is 70 feet.

F. Size and Legal Description

Size: Reclamation Plan p. 1:

Approximately 2.5 acres for the quarry site and processing site, within an 80 acre parcel which is portion of a 860 acre holding owned by Walsh Timber Corporation.

Legal Description: Reclamation Plan Page 2:

The proposed project site is located on APN 311-081-05, and is in Section 18, Township 3N, Range 1 E, Humboldt Meridian.

G. Map

Reclamation Plan Map attachment 1, 2 and 3:

General location, site maps, and monitoring cross-section elevations within the project areas.

H. Geology

Reclamation Plan Page 3 & Attachment 7 - Geotechnical Report:

Wildcat sediments rest topographically above those of the Yager formation. The contact between the units is exposed on an erosional contact which approximately follows Salmon Creek. The underlying Yager sediments are relatively more resistant as a result, erosion in the Salmon Creek basin has exposed resistant blocks of Yager graywacke sandstone. The quarry operations consist of partial removal of a block of graywacke sandstone. The areas of rock removal are in areas of high stability.

I. Type of Surface Mining and Time Schedule

Reclamation Plan p. 3:

Proposed mining method is an open pit quarry developed by utilizing loaders, dozers, excavators and trucks.

J. Proposed Use or Potential Uses of the Land After Reclamation

Reclamation Plan p. 6a:

Future and present uses other than surface mining include revegetation with native species with eventual return to timber land.

K. Mining Waste

Reclamation Plan p. 3a:

There will be no mine "waste", all materials excavated will be removed or utilized for reclamation. Any contaminants incidental will be very minimal and controlled pursuant to State laws.

L. Rehabilitation of Streambeds

Not applicable.

M. Future Mining

Not applicable.

N. A Statement of Responsibility

Reclamation Plan page 11:

The proposed Statement of Responsibility follows County accepted form and content for such acknowledgments.

O. Cost Estimate

Reclamation Plan Attachment 3.

P. Responses to Comments on the Amendment to the Reclamation Plan

None.

3. FINANCIAL ASSURANCES

PRC §2770, §2773.1 and related administrative guidelines of the Department of Conservation's State Mining and Geology Board (California Code of Regulations §§ 3800 - 3806.2) direct the lead agency to require that the financial assurance:

- A. Take the form of either surety bonds, irrevocable letter of credit, trust funds, certificates of deposit, or other mechanisms specified by the State Mining and Geology Board.
- B. Remain in effect for the duration of the surface mining operation and any additional period until reclamation is completed.
- C. For any one year are annually adjusted to account for new lands disturbed by surface mining operations, reclamation pursuant thereto, areas previously reclaimed, and inflation.
- D. Are determined to be adequate for the purposes of performing the reclamation in accordance with the approved reclamation plan.
- E. Made payable to the lead agency and the Department of Conservation.

A. Form of Assurances

The proposed form of financial assurances for the 2017-2018 extraction seasons has not been indicated at this time. As part of the ongoing administration of the reclamation plan, staff shall ensure that the form of financial assurances is one authorized by the State Mining and Geology Board, and consistent with County practices and procedures.

B. Duration of Assurances

As part of the ongoing administration of the reclamation plan, the period of the assurances shall be set to correspond to the overall 15 year period for extraction, taking into account annual reclamation costs.

C. Annual Adjustments

As part of the ongoing administration of the reclamation plan, the amount of individual year financial assurances shall be reviewed and adjusted to correspond to changes in quantity prescriptions, past reclamation activities, and inflationary costs associated with reclamation labor, equipment and materials.

D. Adequacy of Assurances

Based upon the submitted cost estimates (as prepared by the applicant's agent on the basis from standard time and material construction costs), adequate projection of required reclamation expenses has been performed.

E. Designated Payee

As part of the ongoing administration of the reclamation plan, the Planning Division shall ensure that the financial assurances are designated as payable to the "County of Humboldt" and "State Mining and Geology Board", pursuant to SMARA.

4. ENVIRONMENTAL REVIEW

- ☐ The project is Statutorily or Categorically Exempt pursuant to CCR §_____; or
- ☐ See attached "Negative Declaration", or
- ☒ See attached "Addendum" and adopted "Mitigated Negative Declaration", or
- ☐ See attached "Environmental Impact Report."

5. Housing Element Densities

314-17.1.5 and 322-3.1 Housing Element Densities The proposed development does not reduce the residential density for any parcel below that utilized by the Department of Housing and Community Development in determining compliance with housing element law (the mid point of the density range specified in the plan designation), except where: 1) the reduction is consistent with the adopted general plan including the housing element; and 2) the remaining sites identified in the housing element are adequate to accommodate the County share of the regional housing need; and 3) the property contains insurmountable physical or environmental limitations and clustering of residential units on the developable portions of the site has been maximized.	The project is an existing rock quarry surface mining operation on lands zoned timberland production (TPZ). As such the parcel was not utilized by the Department of Housing and Community Development in determining the County's compliance with housing element law.
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Attachment 3

Applicant's Evidence in Support of Findings

Surface Mining Reclamation Plan

Reclamation Cost Estimate (Attachment of Reclamation Plan)

Operations Plan (Attachment of the Surface Mining Reclamation Plan)

Geotechnical Report (Attachment of the Reclamation Plan)

Non-Industrial Timber Management Plan (on file at Planning)

RECLAMATION PLAN FOR
WALSH TIMBER
MINING OPERATION

(name of Mine)

Note: This prototype, developed by the State Mining and Geology Board (Board), is intended to assist smaller-scale mine operators in environmentally non-sensitive areas to conform to the requirements of the Surface Mining and Reclamation Act (SMARA) and related Board regulations. It serves as an example of an acceptable reclamation plan format. The prototype is not intended to place any additional requirements on mining operators, nor to limit lead agency control in implementing SMARA's reclamation requirements.

Please print or type, attach additional sheets if necessary

CALIFORNIA MINE ID# [if one has been assigned]:

91 - 12 - 0036

GENERAL OWNERSHIP/OPERATION INFORMATION:

MINE NAME: Walsh Rock Quarry	
LOCATION OF MINE [include address]: See Page 1a	
ATTACH A MAP THAT IDENTIFIES HOW TO ACCESS THE MINE SITE FROM THE NEAREST HIGHWAY.	
☒	CHECK BOX IF LOCATION MAP IS ATTACHED Attachment 1
MINE OPERATOR (S): Walsh Timber Corporation	
TELEPHONE NUMBER (S): (707) 442-5789	
MAILING ADDRESS: 519 6th Street Eureka, CA 95501	
MINE OPERATOR'S DESIGNATED AGENT [if applicable]: LACO Associates	
TELEPHONE NUMBER: (707) 443-5054	
MAILING ADDRESS: 21 West 4th Street Eureka, CA 95501	

Walsh Rock Quarry Reclamation Plan

Page 1

Location of Mine:

The quarry site is located 1.5 miles northerly of State Route 101, on Tompkins Hill Road, then easterly on Graham Way to a locked gate, then easterly on Gas Well Road (private) approximately 2.4 miles to a locked red gate (Walsh Property line), then 1.7 miles to the quarry site, and approximately 3 miles north easterly of the City of Fortuna.

GENERAL MINING OPERATION INFORMATION

MINED MINERAL COMMODITY (IES): Rock	
ESTIMATED ANNUAL PRODUCTION:	Annual Rate: 10 yrs. (1991-2001)= 1000cy 15yr ext. 6000cy
ESTIMATED TOTAL PRODUCTION:	100,000 cy for 25 year period
TOTAL NUMBER OF ACRES TO BE DISTURBED BY THE SURFACE MINING OPERATION:	3.0
TOTAL NUMBER OF ACRES TO BE RECLAIMED:	2.5
MAXIMUM ANTICIPATED DEPTH OF MINING:	70 FEET: 750 average ELEVATION (mean sea level)
START UP DATE [indicate whether actual or proposed]:	July 31, 1991 Expires July 2016– 15 year extension, 2031
SITE MAP: ATTACH A TOPOGRAPHIC MAP OF LANDS THAT WILL BE AFFECTED BY MINING OPERATIONS. THE MAP SCALE SHOULD BE 1"=100' TO 1"=500' SO THAT THE FOLLOWING MAY BE IDENTIFIED EASILY: <u>EXISTING SITE CONDITIONS:</u> <u>MINING OPERATION FEATURES:</u> <u>FINAL SITE CONFIGURATION:</u>	
☒	CHECK BOX IF SITE MAP IS ATTACHED Attachment 2
(1) DESCRIBE THE ENVIRONMENTAL SETTING OF THE MINE SITE, INCLUDING THE FOLLOWING: PROVIDE A GENERAL DESCRIPTION OF VEGETATION AND A LIST OF PLANTS CURRENTLY ON SITE THAT MAY BE SUITABLE FOR RECLAMATION: The site is located within a small watershed area draining into Salmon Creek, approximately 4 miles easterly of its junction with Tompkins Hill Road. The Walsh Timber Corporation is presently logging the area consisting of 860 acres by partial cutting and thinning of small areas. The logging is being performed under 1-95 NTMP-014 HUM, Non-industrial Timber Management Plan. Three acres on APN 311-081-05 have been exempt for the rock quarry site. The parcel consisting of 80 acres is a portion of the 860 acres owned by the Walsh Timber Corporation. The coniferous over story composition in the area can generally be described as 85% second growth redwood, 10% Douglas fir and 5% miscellaneous Whitewood species. The understory is generally moderate to dense. Understory species consist of salal, huckleberry, swordfern, lady fern, and salmon berry.	
(2) ADDRESS THE PRESENCE/ABSENCE OF SENSITIVE SPECIES, SENSITIVE HABITATS [WETLANDS, VERNAL POOLS, ETC.]. ADDRESS SPECIES, HABITATS THAT ARE CONSIDERED SENSITIVE WITHIN THE LEAD AGENCY'S JURISDICTION [eg. Oak, Woodland, Bishop pine forest]. The Salmon Creek property has several Class II watercourses that are located approximately 1000' westerly. The watercourses occur in timbered areas and are well vegetated. The Class II water courses are small and do not have well defined banks. There are two ephemeral drainage channels in the quarry site.	

[GENERAL MINING OPERATION INFORMATION con't]

(1) DESCRIBE THE GEOLOGY OF THE AREA SURROUNDING THE MINE SITE:

The site lies within the Salmon Creek Watershed, underlain by sediments of the Wildcat group and Yager formation. The Wildcat sediments consist of softly consolidated mudstone and sandstone, while the Yager sediments consist of relatively dense graywacke sandstone, shale and conglomerates.

(2) DESCRIBE THE GEOLOGY OF THE AREA TO BE MINED:

Wildcat sediments rest topographically above those of Yager formation. The contact between the units is exposed on an erosional contact which approximately follows Salmon Creek. The underlying Yager Sediments are relatively more resistant as a result; erosion in the Salmon Creek basin has exposed resistant blocks of Yager graywacke sandstone. The quarry operations consist of partial removal of a block of greywacke sandstone.

The areas of rock removal are in areas of high stability.

DESCRIBE THE TYPE OF MINING TO BE EMPLOYED [e.g. quarry/ truck and shovel operation]:

An open quarry has been developed by utilizing loaders, dozers, excavators and trucks. Rock is produced to process and stockpile.

Currently, the operation is idle. When active mining will be conducted daily (as demanded) except for weekends and holidays (emergencies excepted). An estimate of 3-4 persons will be employed on the site.

GENERAL LEAD AGENCY INFORMATION

LEAD AGENCY:	Humboldt County
STAFF CONTACT:	Michael E. Wheeler
TELEPHONE NUMBER:	(707) 445-7541
MAILING ADDRESS:	3015 H Street Eureka, CA 95501
USE PERMIT NUMBER [if applicable]:	CUP-11-91/SMR-01-91
DATE PERMIT WAS APPROVED AND/OR AMENDED:	July, 2001
PERMIT EXPIRATION DATE:	July 31, 2031

MINING PLAN

Topsoil – Topsoil was salvaged over the entire area using a cat D7 and 966 loader, and stockpiled as indicated in Attachment 2. The topsoil stockpile will be surfaced with 6000#/acre straw mulch to prevent erosion. Total salvaged volume approximates 1000 cy.

Ore – A hill slope quarry is proposed, producing rock in variety of sizes. Equipment includes a cat 966 loader and cat D-7 crawler. Applicant intends to market quarter ton and larger rock for use as riprap, sloop protection and other uses such as aggregate base. An air track drill will be utilized for setting explosives. Material will be hauled with end-dump trucks or low boys.

No scale shack or scales are planned at this time.

No phasing of mining is proposed; reclamation will occur immediately after closure of the mine.

Mine Waste – with the exception of salvaged topsoil, applicant intends to market or utilize all materials removed from the site.

Size – Total acreage including in rock quarry site is three acres.

1. Proposed mass rock removal	1.0 acres
2. Sort/Stockpile area	0.5 acres
3. Other area (access road/adjacent slope	1.0 acres
4. Undisturbed forest sediment trap	0.5 acres
Total area disturbed/reclaimed (items 1-3)	2.5 acres

Water Requirements – No water will be required, except as required for dust abatement. If necessary, water is available from a blueline drainage located 1000' west. Any requirement should be less than 300 gallons per day.

Contaminants – No significant source of contamination will be located onsite. Vehicle fuel will be supplied by pickup storage tanks. Explosives for rock removal will be stored in an approval lockup and utilized according to approved procedures. Garbage and other refuse will be hauled offsite.

Waste Water – With the exception of sediment laden water, no waste water will be generated onsite. Surface runoff will be controlled by waterbars and drains to prevent concentrated flow. All flow will be directed toward natural channels. Waterbars will be placed no further than 100' apart on all access roads within 500' of the operations area, and no further than 50' apart for roads exceeding 10% grade.

Approximately 0.5 acres of natural forest vegetation will be maintained on the flat in the lower portion of the operations area. The remaining property owned by Walsh and Simpson between Salmon Creek and the operations area is also currently undisturbed forest. This natural buffer strip provides excellent settling traps for fine sediment generated from the quarry operation. In the event any portion of the buffer strip is harvested, additional sediment control devices will be

Walsh Rock Quarry Reclamation Plan

installed. A sediment barrier consisting of either hay bales staked in an uninterrupted chain, or filter silt fence will be constructed along the existing cat road at the lower end of the operations area (attachment 2). The silt fence or hay bales would be maintained as necessary to prevent sediment laden water from escaping the operations area.

A winterization program of straw mulch will be applied at a rate of 6000#/acre to the bare soil just prior to the beginning of the rainy season to minimize surface erosion. This application rate equates to approximately 180 bales for 2 acres of disturbed ground (assuming 70#/bale).

Portable sanitation facilities will be provided as required.

Water Impoundments/Diversions – A detention pond approximately 10'x20'x5' was constructed to collect ephemeral stream runoff and release over flow to a defined channel with minor rock drains constructed to disperse runoff.

Ore Processing – Explosives will be placed with an air track drill spaced on a 8'-10' grid pattern back from the rockface, each blast potentially producing 100 cy of rock. All explosive work will be done by a licensed blaster. Handling, storage and transport of explosives will be in accordance with appropriate regulations governed by the Bureau of Alcohol, Tobacco and Firearms; OSHA; Humboldt County Sheriffs Department; and local Fire Department. Powder and detonators will be stored in double-locked steel magazines, located minimum 500' apart. Detonator type and size and depth of charges will be modified to attain acceptable noise levels, if noise proves to be a problem.

Rock will be extracted in a series of benches approximately 12' wide, beginning at the top and the sides of the source. As the rock source appears to run out on the backside of each bench, a portion of the rock will be left intact to maintain slope stability and aid in revegetation.

Rock ranging from backing and facing on up to 8 tons will be sorted and stockpiled. Depending on the amount of undersized material, a grizzly dry screen may be employed.

[GENERAL LEAD AGENCY INFORMATION con't]

SMARA SECTIONS 2770 AND 2773.1 REQUIRE MINE OPERATORS TO OBTAIN A LEAD AGENCY APPROVED FINANCIAL ASSURANCE TO ENSURE RECLAMATION OCCURS PURSUANT TO THE RECLAMATION PLAN. ATTACH A COPY OF THE PROPOSED/APPROVED FINANCIAL ASSURANCE.



CHECK HERE IF YOU ATTACHED A COPY OF THE PROPOSED FINANCIAL ASSURANCE



CHECK HERE IF YOU ATTACHED A COPY OF THE APPROVED FINANCIAL ASSURANCE

NOTE: A RECLAMATION COST ESTIMATE WORKSHEET IS ATTACHED FOR YOUR ASSISTANCE IN DETERMINING THE APPROPRIATE FINANCIAL ASSURANCE AMOUNT (APPENDIX A).

DETAILED DESCRIPTION OF RECLAMATION ACTIVITIES [attach additional sheets, if needed]
[Pursuant to Public Resources Code Section 2772]

DESCRIBE THE PROPOSED USE OF THE SITE ONCE MINING CEASES AND RECLAMATION IS COMPLETED:

Timber harvest, wildlife and watershed uses.

ATTACH EVIDENCE THAT ALL OWNERS OF A POSSESSORY INTEREST IN THE LAND TO BE MINED HAVE BEEN NOTIFIED OF THE PROPOSED END USE (eg. copies of notices sent to land owner and mineral rights owner).



CHECK BOX IF EVIDENCE IS ATTACHED

Attachment 4

PROVIDE A TIME SCHEDULE FOR THE RECLAMATION OF EACH AREA DISTURBED BY MINING. IF APPLICABLE, INDICATE RECLAMATION PHASES ON YOUR SITE MAP.

All the mining operation will be reclaimed within one year of mining closure (2031-2032); monitoring period (2032-2033)

DISCUSS HOW THE IMPLEMENTATION OF THIS RECLAMATION PLAN WILL AFFECT FUTURE MINING IN THE AREA [eg. reclamation will not preclude future mining at this site since reclamation calls for open space].

The Conditional Use Permit with the County of Humboldt will expire July 31, 2031. The reclamation plan will not preclude future mining at this site. Future use is timber production, wildlife and watershed uses.

DESCRIBE HOW THE PROPOSED RECLAMATION OF THE MINE SITE WILL AFFECT PUBLIC HEALTH AND SAFETY, GIVING CONSIDERATION TO THE DEGREE AND TYPE OF EXISTING AND PROBABLE FUTURE PUBLIC EXPOSURE TO THE SITE.

No detrimental effects to public health and safety are anticipated with proposed future use.

[DETAILED DESCRIPTION OF RECLAMATION ACTIVITIES con't]

BRIEFLY DISCUSS HOW CONTAMINANTS WILL BE CONTROLLED AND MINE WASTE WILL BE DISPOSED [eg. fuel storage].

NOTE: IF CYANIDE IS USED FOR ON-SITE PROCESSING, PRC SECTION 21151.7 REQUIRES THE PREPARATION OF AN ENVIRONMENTAL IMPACT REPORT UNDER THE CALIFORNIA ENVIRONMENTAL QUALITY ACT.

No significant source of contamination is now or will be located site. Vehicle fuel will be supplied by pickup storage tanks. Explosives for splitting large rock (if utilized) brought on site on an as needed basis. Garbage and other refuse will be hauled offsite. A trash can will be provided on site.

ATTACH A TOPOGRAPHIC MAP SHOWING THE CONFIGURATION OF THE SITE ONCE RECLAIMED.



CHECK BOX IF MAP IS ATTACHED

Attachment 2

LIST AND ATTACH COPIES OF ANY ADDITIONAL INFORMATION REQUIRED BY THE LEAD AGENCY AS INDICATED IN THE SMARA ORDINANCE [eg. reclamation of the mine site must comply with the provisions of the County's Oak Ordinance].

- Walsh Timber Company statement regarding responsibility for reclaiming mined lands (see Page 11)
- Cost estimate to implement reclamation plan (see Attachment 3)
- Letter of transmittal regarding Humboldt County requirements



CHECK BOX IF ALL ABOVE LISTED DOCUMENTS ARE ATTACHED.

RECLAMATION STANDARDS

PURSUANT TO SMARA SECTION 2773, MY RECLAMATION ACTIVITIES WILL COMPLY WITH THE FOLLOWING STANDARDS PROVIDED IN THE CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 14, ARTICLE 9, SECTIONS 3700-3710.

CHECK APPLICABLE BOX



TOPSOIL SALVAGE, MAINTENANCE, AND REDISTRIBUTION - IF THE END USE CALLS FOR REVEGETATION OR CULTIVATION OF DISTURBED LANDS, I AGREE TO CONDUCT TOPSOIL SALVAGE, MAINTENANCE, AND REDISTRIBUTION ACTIVITIES IN CONFORMANCE WITH CCR SECTION 3711.

Explain the reclamation procedures you will use to meet the standard cited above:

Salvaged top soil (estimated at 1000 cy.) will be redistributed over existing slopes. Other than rock quarry face and benches, all areas will be revegetated per revegetation plan.

[RECLAMATION STANDARDS con't]

CHECK APPLICABLE BOX

- ☒ REVEGETATION - REVEGETATION WILL BE A PART OF MY APPROVED RECLAMATION PLAN. I AGREE TO CONDUCT MY REVEGETATION ACTIVITIES IN CONFORMANCE WITH CCR SECTION 3705. UNLESS NON-NATIVE SPECIES SUCH AS FORAGE GRASSES OR ORNAMENTALS WILL BE USED, SPECIFY AT LEAST FOUR NATIVE SPECIES THAT OCCUR ON SITE OR IN THE VICINITY OF THE PROJECT AND WILL BE USED FOR REVEGETATION.
- ☐ CHECK BOX IF THE END USE PRECLUDES REVEGETATION OR THE CULTIVATION OF DISTURBED LANDS.
- ☐ CHECK BOX IF REVEGETATION IS NOT CONSISTENT WITH THE APPROVED

END USE. PROPOSED REVEGETATION PLAN:

See page 6a

PROPOSED REVEGETATION MIX:

Areas to be reclaimed above the lower bench (either concurrent or final) will be re-contoured prior to topsoil application. Two types of planting treatment will be used, utilizing native species. An erosion control grass mix will be applied to all revegetated areas, at the rate of 30 lbs. an acre, including 50% Agropyron X Triticum cultivar (rapid short term cover) and 50% Elymus glaucus a perennial grass native to the region. A light application of straw (1000#/acre) will be applied in the Fall, prior to the onset of the wet season. Final revegetation will include planting with conifers (Douglas fir or Redwood) in sufficient quantity to meet current stocking requirements.

The slope below the lower bench will remain. The slope was stocked with redwoods. The present growth of alders will be allowed to grow for 10-15 years, then the stocked redwoods will outgrow the alders.

RECLAMATION PLAN

- A. Subsequent Use:
Subsequent use of the property shall be the same as existing use, for timber harvest, wildlife and watershed uses.
- B. Reclamation Schedule:
The small size of the project does not lend itself to concurrent reclamation. If feasible, mined benches will be reclaimed as they are completed. Complete reclamation is to be done at the time of mine closure.
- C. Post Mining Topography:
Due to the steep nature of the existing rock outcrop to be mined, post mining topography will incorporate a series of rock benches to retard surface flow rates, and aid in revegetation.
- D. Impoundments:
No impoundments are proposed other than a detention basin to retard ephemeral stream runoff.
- E. Drainage:
No perennial drainages will be impacted. Potential for erosional impacts will be minimized through drainage control (dispersal), utilization of natural vegetation and land features to retard surface flow rates and catch sediment, and if necessary, a silt fence.
- F. Monitoring/ Maintenance:
Stocking requirements will be maintained.
- G. Instream Mining:
No instream activities are proposed.
- H. Future Mining:
The proposed reclamation should not have any impact on future mining.
- I. Public Safety:
Access to the rock pit is currently restricted by two locked gates, one (Texaco gate) near the intersection of Graham Way and Tompkins Hill Road, and one at the entrance to the Walsh parcel, approximately 2 miles from the rock pit site (Attachment 1). All explosives utilized during seasonal operation will be secured in double-locked steel magazines. No personnel other than operators and haulers will be allowed in the operations area during pit operations.
- J. Schedule for Periodic Review:
Periodic site review shall be conducted at County discretion, on an annual basis. The purpose of the this inspection is to evaluate compliance with operations and reclamation provisions contained in this document. County shall notify applicant of day and hour of inspection. Applicant shall at his discretion, accompany the County inspector.
- K. Guarantee of Reclamation:
Applicant will provide the County with a bank statement certifying that sufficient funds are maintained in an account to cover cost of reclamation, or if necessary, a time certificate will be secured naming the County.

[RECLAMATION STANDARDS con't]

SUCCESS OF REVEGETATION WILL BE JUDGED UPON THE EFFECTIVENESS OF THE VEGETATION FOR THE APPROVED END USE AND BY COMPARING QUANTIFIED VEGETATIVE COVER, DENSITY, AND NUMBER OF SPECIES OF THE RECLAIMED MINED LANDS TO LOCAL AREAS OF NATURALLY OCCURRING VEGETATION OR PRE-MINING CONDITIONS (BASELINE).

	BASELINE	PERFORMANCE STANDARD
DENSITY (NOTE 1)	1 per 100 square feet	1
COVER (NOTE 2)	10	
SPECIES	1	1
RICHNESS (NOTE 3)		

NOTE 1: NO. OF INDIVIDUAL PERENNIAL PLANTS ROOTED PER 100 SQ FT

NOTE 2: VERTICAL PROJECTION OF PERENNIAL PLANTS ONTO GROUND EXPRESSED AS % [eg. if the sun was directly over a specified area, what percentage of that area would be shaded by the trees, plants, etc.].

NOTE 3: NO. OF PERENNIAL SPECIES PER 100 SQ FT

CHECK APPLICABLE BOX

- ☒ IF THE MINING OPERATION WILL NOT BE CONDUCTED ON PRIME AGRICULTURAL LANDS, AND THE SITE'S END USE WILL NOT BE AGRICULTURE, CHECK THIS BOX.
- ☐ IF THE MINING OPERATION WILL BE CONDUCTED ON PRIME AGRICULTURAL LANDS, BUT THE SITE'S END USE WILL NOT BE AGRICULTURE, CHECK THIS BOX.
- ☐ PRIME AGRICULTURAL LAND RECLAMATION - THE MINING OPERATION WILL BE CONDUCTED ON PRIME AGRICULTURAL LANDS, AND THE SITE'S END USE WILL BE AGRICULTURAL. THUS, I AGREE TO RECLAIM PRIME AGRICULTURAL LANDS IN CONFORMANCE WITH CCR SECTION 3707. (Explain the reclamation procedures you will use to meet the standard cited above)

RECLAMATION SUCCESS WILL BE JUDGED ON THE FOLLOWING PERFORMANCE STANDARD

BASELINE	PERFORMANCE STANDARD
----------	----------------------

PRODUCTIVITY

NOTE: PERFORMANCE STANDARD SHOULD BE BASED ON PRODUCTIVITY (e.g. bushels per pacre, tone per acre)

[RECLAMATION STANDARDS con't]

CHECK APPLICABLE BOX

- ☐ OTHER AGRICULTURAL LAND RECLAMATION - THE MINING OPERATION WILL BE CONDUCTED ON NON-PRIME AGRICULTURAL LANDS WHERE THE SITE'S END USE WILL BE AGRICULTURE. THUS, I AGREE TO RECLAIM NON-PRIME AGRICULTURAL LANDS IN CONFORMANCE WITH CCR SECTION 3708. (Explain the reclamation procedures you will use to meet the standard cited above)

RECLAMATION SUCCESS WILL BE JUDGED ON THE FOLLOWING PERFORMANCE STANDARD

BASELINE

PERFORMANCE STANDARD

PRODUCTIVITY

NOTE: PERFORMANCE STANDARD SHOULD BE BASED ON PRODUCTIVITY [e.g. bushels per acre, tons per acre].

- ☒ IF THE MINING OPERATION WILL BE CONDUCTED ON NON-PRIME AGRICULTURAL LANDS, BUT THE SITE'S END USE WILL NOT BE AGRICULTURE, CHECK THIS BOX.
- ☒ WILDLIFE PROTECTION - I AGREE THAT ALL WILDLIFE AND WILDLIFE HABITAT WILL BE PROTECTED IN ACCORDANCE WITH CCR SECTION 3703 [CHECK BOX]. Provide a description of how the above protection will be accomplished:

See page 8a

CHECK APPLICABLE BOX

- ☒ BACKFILLING, REGRADING, SLOPE STABILITY, AND RECONTOURING - I AGREE THAT ALL BACKFILLING, REGRADING, SLOPE STABILITY, AND RECONTOURING WILL CONFORM WITH CCR SECTION 3704. Explain the reclamation procedures you will use to meet the standard cited above:

See page 8a

- ☒ CHECK THIS BOX IF FINAL RECLAIMED FILL SLOPES, INCLUDING PERMANENT PILES OR DUMPS OF MINE WASTE ROCK AND OVERBURDEN, WILL NOT EXCEED 2:1 (HORIZONTAL:VERTICAL).

EXPLANATION:

Fill slopes will be constructed at 2 horizontal to 1 vertical

Wildlife Protection:

The Salmon Creek unit has potential habitat for the southern torrent salamander. This is a California Department of Fish and Game Species of Special Concern. The NTMP is in conformance with the Fish and Game Commission's Special 2084 Order that provides for the incidental take of the southern torrent salamander. On May 20, 1995, the RPF's designee, who classified the watercourses in the NTMP area, completed the training course relating to the southern torrent salamander.

Information on the northern spotted owl is also included in the NTMP. This harvest should result in no significant negative impact to any of the listed species.

Deer and bear signs were common. Occasional old-growth snags probably provide important cavity nesting habitat. Mammal use associated with the rockfield areas is probably minimal, given the low plant species diversity and difficult mobility. Since rock removal methods were designed to minimize impacts on vegetation and existing ground surface substrate, pre-and post-project wildlife use should not differ significantly.

Backfilling, Regrading, Slope Stability and Re-contouring:

Post mining topography shall be essentially as it is now, except rock face areas: The rock out crop will be benched at a maximum of 40 foot intervals; sort/stock pile areas will be left as broad areas (Attachment 5); all other disturbed areas will be smooth contoured with slopes flatter than 2:1. Near level areas will be graded at a 3 percent slope.

Destabilization of the slopes will be minimized by leaving as much native vegetation as possible. All trees with dbh>4" shall be left intact where possible. Rock face cut slopes will be 1 and ¾ horizontal to vertical with 12 foot benches at 30 and 40 foot intervals.

[RECLAMATION STANDARDS con't]

- ☒ CHECK THIS BOX IF FINAL RECLAIMED FILL SLOPES, INCLUDING PERMANENT PILES OR DUMPS OF MINE WASTE ROCK AND OVERBURDEN, WILL BE : [INDICATED SLOPE RATIO] WHICH IS STEEPER THAN 2:1 (HORIZONTAL:VERTICAL). ATTACH A SITE-SPECIFIC GEOLOGIC AND ENGINEERING ANALYSIS THAT DEMONSTRATES THAT THE PROPOSED FINAL SLOPE WILL HAVE A MINIMUM SLOPE-STABILITY FACTOR OF SAFETY THAT IS SUITABLE FOR THE PROPOSED END USE, AND THAT THE PROPOSED FINAL SLOPES CAN BE SUCCESSFULLY REVEGETATED.

EXPLANATION:

See Geotechnical Report, Attachment

PLEASE PROVIDE A GEOLOGIC CROSS SECTION OF CUT AND FILL SLOPES AT LOCATIONS OF MAXIMUM SLOPE HEIGHT.
PLEASE IDENTIFY CROSS SECTION LOCATIONS ON THE SITE MAP.

See Geotechnical Report, Attachment

- ☒ DRAINAGE, DIVERSION STRUCTURES, WATERWAYS, AND EROSION CONTROL - I AGREE THAT ALL DRAINAGE, DIVERSION STRUCTURES, WATERWAYS, AND EROSION CONTROL FACILITIES WILL CONFORM TO CCR SECTION 3706 [CHECK BOX]. Explain the reclamation procedures you will use to meet the standard cited above:

Waste Water: With the exception of sediment laden water, no waste water will be generated on site. Surface runoff will be strictly controlled with rock dissipaters and hay bales to allow deposition of sediment prior to flowing offsite.

IDENTIFY ALL DRAINAGE, DIVERSION STRUCTURES, WATERWAYS, AND
EROSION CONTROL FACILITIES ON THE SITE MAP.

- ☒ BUILDING, STRUCTURE, AND EQUIPMENT REMOVAL - I AGREE TO RECLAIM ANY BUILDINGS, STRUCTURES, AND EQUIPMENT AREAS IN CONFORMANCE WITH CCR SECTION 3709 [CHECK BOX]. Explain the reclamation procedures you will use to meet the standard cited above:

There are no structures onsite nor is equipment permanently shared at this location.

IDENTIFY ON THE SITE MAP THE LOCATION(S) WHERE ALL EQUIPMENT, SUPPLIES, AND OTHER MATERIALS WILL BE STORED;

IDENTIFY WHICH BUILDINGS, STRUCTURES AND EQUIPMENT WILL BE: (1) DISMANTLED AND REMOVED OFF SITE; AND/OR (2) REMAIN ON SITE AS CONSISTENT WITH THE END USED.

- ☒ CLOSURE OF SURFACE OPENINGS - I AGREE TO CLOSE ALL SURFACE OPENINGS IN ACCORDANCE WITH CCR SECTION 3712 [CHECK BOX]. Explain the reclamation procedures you will use to meet the standard cited above:

The rock quarry area will revert to timber production, wildlife habitat and water resource protection.

IDENTIFY ALL SURFACE OPENINGS ON SITE MAP.

This will be a shallow surface mining operation, no surface openings exist.

[RECLAMATION STANDARDS con't]

CHECK APPLICABLE BOX

- ☒ STREAM PROTECTION, INCLUDING SURFACE AND GROUNDWATER - I AGREE STREAMS, INCLUDING SURFACE AND GROUNDWATER WILL BE PROTECTED IN ACCORDANCE WITH CCR SECTION 3710. Explain the reclamation procedures you will use to meet the standard cited above:

Water Impoundments/Diversions:

Sediment originating in the rock field or sorting area will be trapped, prior to being discharged down ephemeral drainage areas. Graded rock drains will act as an energy dissipater to prevent downstream erosion, and hay bales and silt fences will also be planed as required.

Approximately 200 feet of armored diversion berm will be constructed on the outer edge of the most northerly sort/stockpile area. The purpose of the berm is to divert water flowing off the rock source area, preventing it from entering the drainage to the north. It also will help stop any rock falling down slope. The berm will be constructed 18" high with quarry waste and larger size rock.

- ☐ CHECK THIS BOX IF THE MINING OPERATION IS CONDUCTED IN A STREAM OR OTHER WATERWAY AND ATTACH CROSS SECTIONS, OR AERIAL PHOTOGRAPHS, IDENTIFYING BASELINE STREAMBED ELEVATIONS.

CHANGES IN CHANNEL ELEVATIONS AND BANK EROSION SHALL BE EVALUATED ANNUALLY. EXTRACTION QUANTITIES AND ANNUAL CROSS SECTIONS AND/OR AERIAL PHOTOGRAPHS SHOULD BE SUBMITTED WITH THE ANNUAL REPORT REQUIRED BY PRC SECTION 2207.

- ☒ CHECK THIS BOX IF THE MINING OPERATION IS NOT CONDUCTED IN A STREAM OR OTHER WATERWAY.

MONITORING

Pursuant to CCR Section 2773(a), the success of reclamation will be monitored for three years, or until performance standards are met, provided that, during the last two years, there has been no human intervention, including, for example, irrigation, fertilization, or weeding. Remedial measures will be implemented as necessary to achieve the performance standards.

LEAD AGENCY CERTIFICATION

I, the undersigned, hereby certify that this reclamation plan complies with the applicable requirements of Articles 1 and 9 (commencing with Sections 3500 et seq. and 3700 et seq., respectively) of Chapter 8 of Division 2 of Title 14 of the California Code of Regulations, and with the requirements of the Surface Mining and Reclamation Act, Sections 2710 et seq.

Signed this _____ day of _____, 19____

Planning Director _____

STATEMENT OF RESPONSIBILITIES

I, the undersigned, hereby agree to accept full responsibility for reclamation of all mined lands as described and submitted herein and in conformance with the applicable requirements of Articles 1 and 9 (commencing with Sections 3500 et seq. and 3700 et seq., respectively) of Chapter 8 of Division 2 of Title 14 of the California Code of Regulations, the Surface Mining and Reclamation Act commencing with Section 2710 et seq., and with any modifications requested by the administering agency as conditions of approval.

Signed this _____ day of _____, 19____

Mine Operator or Operator's Agent _____

APPROVED

LEAD AGENCY REPRESENTATIVE (S)	DATE
(1)	
(2)	

CHECKLIST OF ATTACHMENTS

- ☒ MAP THAT IDENTIFIES HOW TO ACCESS THE MINE SITE FROM THE HIGHWAY – **Attachment 1**
- ☒ TOPOGRAPHIC MAP OF LANDS THAT WILL BE AFFECTED BY MINING OPERATION – **Attachment 2**
- ☒ COPY OF THE PROPOSED FINANCIAL ASSURANCE – **Attachment 3**
- ☒ COPY OF THE APPROVED FINANCIAL ASSURANCE – **Attachment 4**
- ☒ EVIDENCE ALL OWNERS OF A POSSESSORY INTEREST IN THE LAND TO BE MINED HAVE BEEN NOTIFIED OF THE END LAND USE – **Attachment 5**
- ☐ TOPOGRAPHIC MAP SHOWING THE CONFIGURATION OF THE SITE ONCE RECLAIMED
- ☐ OTHER INFORMATION REQUIRED BY LEAD AGENCY'S SMARA ORDINANCE

DESCRIBE:

- ☒ GEOLOGIC REPORT – **Attachment 6**
- ☐ OTHER REPORTS OR DOCUMENTS

DESCRIBE:

Attachment 7	Plan of Operations
Attachment 8	Drainage Control Map and Photos
Attachment 9	Photographs of the Walsh Quarry

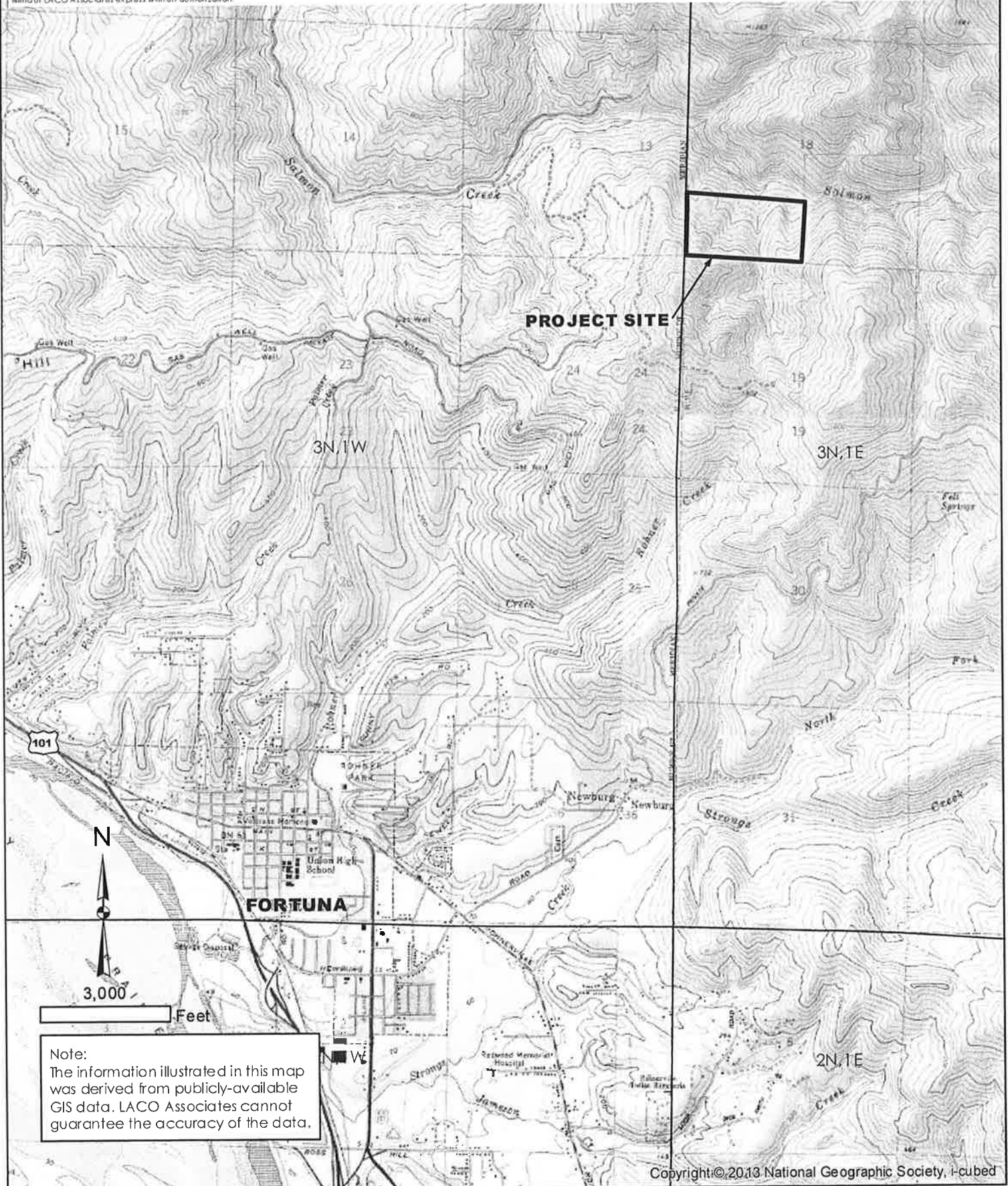
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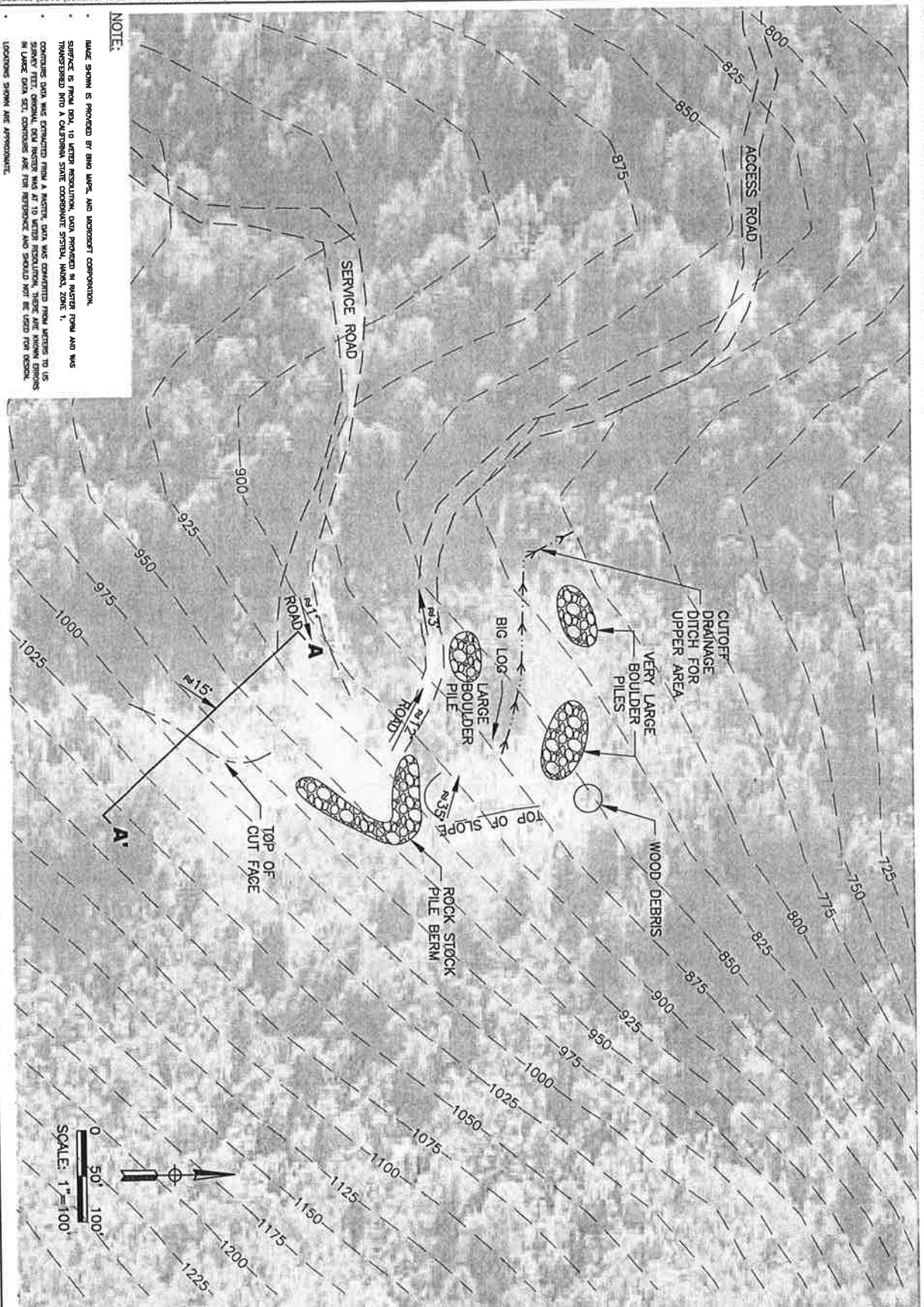
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PROJECT	WALSH TIMBER, SMARA PERMIT	BY	JB	FIGURE	1
CLIENT	WALSH TIMBER & HEDI BEAUCHAMP	CHECK	GM		
LOCATION	2307 S STREET, EUREKA, CA. 95501	DATE	1/19/2017	JOB NO.	8563.00
LOCATION MAP- FORTUNA, HUMBOLDT, CA.					

REUSE OF DOCUMENTS: This document and the ideas and design incorporated herein, as an instrument of professional service, is the property of LACO Associates and shall not be reused in whole or part for any other project without LACO Associates express written authorization.





NOTE:

MADE SHOWN IS PROVIDED BY BNS MAPS, AND MICROSOFT CORPORATION. SURFACE IS FROM 1941, 10 LATER INSULATION DATA PROVIDED IN READER FROM AND WAS TRANSFERRED INTO A CALIFORNIA STATE COORDINATE SYSTEM, NAD83, ZONE 11. CONTING DATA WAS CONVERTED FROM A METER, DATA WAS CONVERTED FROM METERS TO US SURVEY FEET. ORIGINAL DATA POINTS WAS AT 10 METER RESOLUTION, THESE ARE KNOWN ERRORS IN LARGE DATA SET. CONTROLS ARE FOR REFERENCE AND SHOULD NOT BE USED FOR DESIGN. LOCATIONS SHOWN ARE APPROXIMATE.

SCALE: 1"=100'



DESIGN	JR/CR
CHECK	GLA
DATE	1/24/2017
FILE NUMBER	8563.00
SHEET	2

WALSH TIMBER
SMARA PERMIT
SITE MAP
WALSH TIMBER & HEIDI BEAUCHAMP
2307 S STREET, EUREKA, CA. 95501

NO.	HISTORY / REVISION	BY	CHK	DATE

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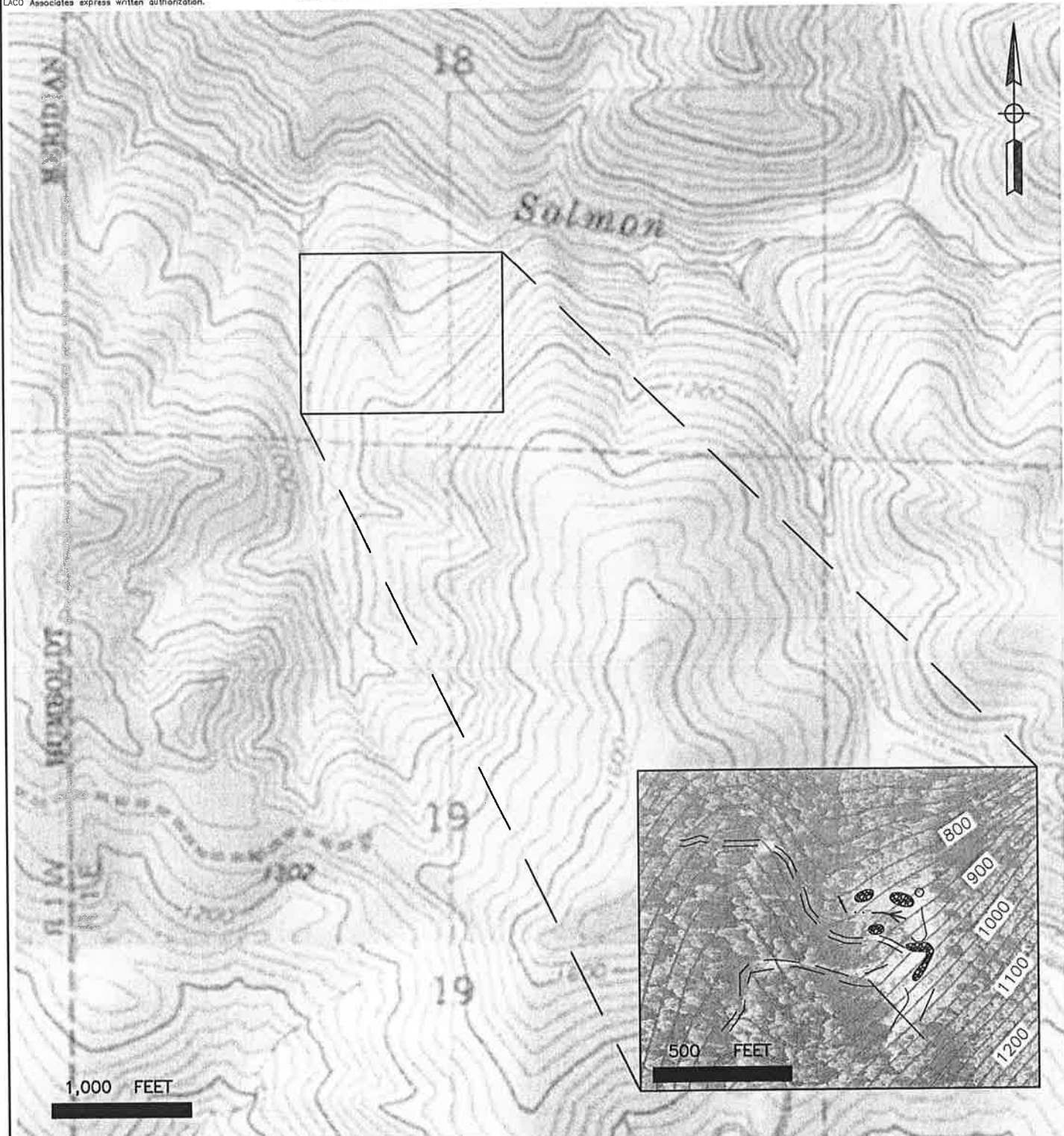
LACO

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PROJECT	WALSH TIMBER, SMARA PERMIT	BY	DJC	ATTACHMENT	2
CLIENT	WALSH TIMBER & HEIDI BEAUCHAMP	DATE	02/03/17	JOB NO.	8563.00
LOCATION	2307 S STREET, EUREKA, CA 95501	CHECK	MR		
TOPOGRAPHIC MAP OF LANDS THAT WILL BE AFFECTED BY MINING OPERATION					

REUSE OF DOCUMENTS: This document and the ideas and design incorporated herein, as an instrument of professional service, is the property of LACO Associates and shall not be reused in whole or part for any other project without LACO Associates express written authorization.



NOTES:

- REFER TO LACO ASSOCIATES FIGURE 2 FROM THIS PROJECT FOR INSET DETAILS.
- PROJECT SITE HAS BEEN OVERLAID ON A USGS QUAD MAP CAPTURED FROM NGS_TOPO_US_2D.KMZ.
- LOCATIONS SHOWN ARE APPROXIMATE.

Financial Assurance Guidelines

State of California

DEPARTMENT OF CONSERVATION
Financial Assurance Cost Estimate
Form OMR-23 (New 06/96)

APPENDIX A-1
[EXAMPLE]

FINANCIAL ASSURANCE COST ESTIMATE

FOR
WALSH QUARRY

CA MINE ID # 91- 12-0036

Prepared by:

Meghan Ryan

Senior Planner

LACO Associates

Date: February 01, 2017

Note: This worksheet was developed by the Office of Mine Reclamation to assist lead agencies and operators prepare a reclamation cost estimate and determine an appropriate amount for the financial assurance in conformance with Section 2773.1 of SMARA. It should be used in conjunction with the *Financial Assurance Guidelines* adopted by the State Mining and Geology Board.

Instructions

The worksheet is divided into seven sections to simplify the cost analysis process. Below is a list of instructions for each section. Please read them carefully before filling out the form. If a section is not applicable, please indicate so with a brief statement. An equipment list is provided after Section 7 for summarizing equipment used for reclamation. In addition, a page is provided at the end of the form for notes and calculations. Copies of supporting documentation such as contractor estimates should also be attached.

Section I - Primary Reclamation Activities

This section should be used to calculate direct costs associated with primary reclamation activities. These activities include, but are not limited to: establishing final slopes on all cuts and fills, removal of haul/access roads, constructing drainage/erosion controls, decompacting staging/stockpile areas, demolition and disposal of building foundations and other debris as well as underground structures (i.e. storage tanks and septic systems), cleanup of boneyard areas, well closure, topsoil replacement/redistribution, finish grading, remediation of any soil contamination, and establishing access restrictions.

Refer to the approved reclamation plan to determine the various tasks required to reclaim the site. If the reclamation plan is not specific enough to provide this information, the lead agency should be consulted to help determine your reclamation requirements. Using the form provided, estimate the costs for each task by: 1) briefly describing the reclamation task to be performed and the methods to be implemented; 2) completing the calculation tables; and 3) adding the results at the bottom of the page. It may make it easier to break large mine sites into smaller areas and address each area separately. If this is done, make copies of the worksheet page and fill them out for each reclamation task and area. Page numbers were intentionally left off for this purpose so be sure to number the pages as they are completed.

Section II - Revegetation

This section should be used to calculate direct costs associated with revegetating disturbed areas. Revegetation activities include, but are not limited to: soil preparation/amendment, mulching, installation of irrigation systems, custom seed/plant collection, nursery services, hydroseeding, seed/plant installation, plant protection, and remediation.

Refer to the approved reclamation plan or revegetation program to determine the various tasks and materials required to revegetate the site. Follow the procedures discussed in Section I to estimate the costs for each task. Be sure to provide the unit of measure (i.e. pallet, pound, ton) in the materials table for the type of material to be used.

Section III - Plant Structures and Equipment Removal

This section should be used to calculate the costs associated with dismantling and removal of plant structures and equipment. The Financial Assurance Guidelines adopted by the State Mining and Geology Board provide that the cost to reclaim the plant site may be net of the surplus/salvage value of the facilities to be reclaimed. Please note however, that the value of mined material stockpiles located within the plant site area cannot be used to offset the cost of their removal. This reclamation cost should be provided in the primary reclamation activities section.

EXAMPLE

Refer to the approved reclamation plan to determine the tasks required to reclaim and remove the plant structures and equipment. Estimate these costs using the tables provided. To establish the salvage value of the plant site an estimate, bid or cost calculation from an impartial company or contractor which provides industrial dismantling or equipment salvage services, or is in the business of buying and selling scrap metals or similar products, must be provided. The estimate, bid or cost calculation should contain the following information:

- | | |
|--|--|
| a. Name & location of company or contractor | e. Cost of such work |
| b. Statement of qualifications and experience | f. Net salvage value of equipment/material |
| c. Location of mine site & California Mine ID# | g. Effective period of estimate or bid |
| d. Description of work to be done | h. Signature of responsible party |

Follow the directions provided in subsection E to determine if the cost to remove the plant equipment may be offset by its salvage value.

Section IV - Miscellaneous Costs

This section should be used to list any miscellaneous costs for materials, labor or services required to complete final reclamation and closure of the site (i.e. plant decommissioning, lead agency final inspections, reclamation mitigation measures, etc.). Using the table provided, list the item or service needed, the quantity, its unit cost (if appropriate) and total cost. Indicate the sum of these costs at the bottom of the page.

Section V - Monitoring

This section should be used to list the costs associated with any required monitoring of the site once initial reclamation has been completed. This could include monitoring for successful revegetation and habitat establishment, slope stability, erosion control, access controls, or site remediation (i.e. process reagents/hydrocarbons). Monitoring required by other agencies (i.e. California Regional Water Quality Control Board) and covered under a separate financial assurance need not be listed. Using the table provided, list the monitoring task, the cost per site visit, the number of site visits per year, the number of monitoring years and total cost. Indicate the sum of these costs in the space provided below the table. If a consultant will be conducting the monitoring, provide a copy of his/her estimate or contract.

Section VI - Supervision / Profit & Overhead / Contingencies / Mobilization

This section includes the costs associated with supervision of reclamation activities, profit and overhead, contingencies (unforeseen costs) and mobilization (the cost of moving equipment to and from the site). These costs are based on a percentage of the total direct costs and normally decline as the value of the operation increases. Refer to Graph 1 and Graph 2 to determine the percentage rates to be used.

Section VII - Summary of Costs

This section should be used to determine the total cost of reclamation and the amount of the financial assurance. Add all the cost sheets from each section together and place their totals in the spaces provided. The lead agency should determine how much, if any, administrative cost is to be added.

Financial Assurance Guidelines

I. PRIMARY RECLAMATION ACTIVITIES

Page 1 of 8

Description of Task:

The site will be regraded, ripped and resoiled. Salvaged top soil will be distributed over existing slopes. Other than the quarry face and benches, all areas will be revegetated per the revegetation plan (see Page 2 for additional details).

Methods to be Used:

The site will be regraded using a Caterpillar D7 Crawler. A Caterpillar 966H Loader will be used to disperse top soil.

Miscellaneous Information:

Overburden (cubic yards): _____ Topsoil (cubic yards): 1,000 cy Acres: 3
 Production Rate (cubic yards/hour): 1. 6,000 cy/annually 2. _____ 3. _____ 4. _____
 Haul Distance (feet): 1. 8,976 2. _____ 3. _____ 4. _____

- A. Equipment - List all equipment required to complete identified task. For large reclamation jobs separate mine areas for ease of accounting.

Equipment	Quantity	\$/Hour	# of Hours	Cost (\$)
1. Cat D7 Crawler (dozer)	1	\$109.84	24	\$2,636.16
2. Cat 966H Loader	1	\$175.80	24	\$4,219.20
3.				
4.				

Total Equipment Cost for this Task \$ \$6,855.36

- B. Labor - List all labor categories to complete identified task.

Labor Category	Quantity	\$/Hour	# of Hours	Cost (\$)

Total Labor Cost for this Task \$ _____

- C. Materials - List all materials required to complete identified task (include disposal costs).

Item	Quantity	\$/Unit	Cost (\$)

Total Materials Cost for this Task \$ _____

D. Direct Cost for this Task

Equipment Cost + Labor Cost + Materials Cost = \$ 6,855.36

Financial Assurance Guidelines

II. REVEGETATION

Page 2 of 8

Description of Task:

Proposed re-vegetation using two types of planting treatment, utilizing a erosion control Native Grass species with a light application of straw mulch to improve slope stability, and planting with conifers (Douglas Fir or Redwood).

Methods to be Used:

A hydro-seeder will be used to spray the Native Grass seed mix and conifers seed mix (Douglas Fir or Redwood) over the 2.5 acres of re-vegetation area.

A. Equipment - List all equipment required to complete identified task.

Equipment	Quantity	\$/Hour	# of Hours	Cost (\$)
Hydro-seeder (.25 cents/1SF) *	1	42	8	\$336.00

* Cost includes labor.

Total Equipment Cost for this Task \$ 336.00

B. Labor - List all labor categories to complete identified task.

Labor Category	Quantity	\$/Hour	# of Hours	Cost (\$)

Total Labor Cost for this Task \$

C. Materials - List all materials required to complete identified task.

Item / Plant Species	Unit of Measure	# of Units	\$/Unit	Cost (\$)
State Mix - Common Barley, and Rye	50 lbs	100 lbs	\$61.30	\$122.60
Straw Mulch	1 bale	216 bales	\$9.17	\$1,980.72
Conifers (Douglas Fir or Redwood) Tree Seed	8,000 seeds	2,725 lbs	\$75	\$2,043.75

Total Materials Cost for this Task \$ 4,147.07

D. Direct Cost for this Task

Equipment Cost + Labor Cost + Materials Cost

\$ 4,483.07

III. PLANT STRUCTURES AND EQUIPMENT REMOVALPage 3 of 8

Description of Task:

The equipment on site is of temporary use and will not require fees for removal.

Methods to be Used:

A. Equipment - List all equipment required to complete identified task.

Equipment	Quantity	\$/Hour	# of Hours	Cost (\$)

Total Equipment Cost for this Task \$ _____

B. Labor - List all labor categories to complete identified task.

Labor Category	Quantity	\$/Hour	# of Hours	Cost (\$)

Total Labor Cost for this Task \$ _____

C. Demolition - List all structures and equipment to be dismantled or demolished.

Structure / Equipment	Type of Material	Volume (cubic feet)	Unit Cost Basis	Disposal Cost	Cost (\$)

Total Materials Cost for this Task \$ _____

D. Direct Cost for this Task

Equipment Cost + Labor Cost + Demolition Cost = \$ _____

Financial Assurance Guidelines

EXAMPLE

Page 4 of 8

E. Surplus / Salvage Value

1. Total cost to reclaim plant structures and equipment pursuant to the approved reclamation plan. \$ 0
2. Net salvage value of the plant structures and equipment.* \$ 0
3. Subtract Line 2 from Line 1 \$ 0

4. If Line 3 is greater than \$0, enter this amount on the total plant structures and equipment removal cost line under Section VIII (Summary of Costs). If Line 3 is less than \$0, enter \$0 on the appropriate line in Section VIII.

***NOTE** This is the value of plant structures, buildings and equipment on a salvage basis -- e.g. after the structures and equipment have been removed for sale or use off-site. In order to include net salvage value in the financial assurance calculation, the operator must provide a letter of agreement, signed contract, bid or quote from an independent company which provides industrial dismantling or equipment salvage services, or is in the business of buying and selling scrap metals or similar products.

Financial Assurance Guidelines

IV. MISCELLANEOUS COSTS

Page 5 of 8

Examples of this type of cost could include temporary storage of equipment and materials off site, special one-time permits (i.e. transportation permits for extra wide or overweight loads, etc.), decommissioning a process mill (i.e. decontamination of equipment), or disposal of warehouse inventories.

Item / Task	Quantity	\$/Unit	Cost (\$)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

Total Miscellaneous Costs \$ _____

V. MONITORING

Monitoring Task	\$/Visit	# Visits/Year	# of Monitoring Years	Cost (\$)
1. Assessment of Site Conditions	\$250	2	3	\$1,500
2.				
3.				
4.				
5.				

Total Monitoring Costs \$ 1,500

VI. SUPERVISION/PROFIT & OVERHEAD/CONTINGENCIES/MOBILIZATION

A. Supervision - Supervision or reclamation management includes project inspection and supervision. These activities are usually performed by a consultant or staff member with experience in reclamation of disturbed lands. Reclamation management may include recommending change orders, verifying completed work, verifying compliance with project specifications, and other reclamation management oversight activities. Please refer to Graph No. 1 to determine the supervision cost factor.

B. Profit and Overhead - Where it becomes necessary for the Lead Agency or the Department of Conservation to complete reclamation of the mining site, a third party will be retained to do the actual reclamation work. Because profit and overhead costs are not included in the reclamation cost sheets, these costs must be added to the total reclamation estimate. Please refer to Graph No. 2 to determine the profit and overhead cost factor.

C. Contingencies - A contingency cost should be included in the financial assurance estimate to provide for project uncertainties and unexpected natural events. The U. S. Department of the Interior, Office of Surface Mining publishes the Handbook for Calculation of Reclamation Bond Amounts which recommends contingency percentages be based upon the level of direct costs, as shown below:

<u>Total Direct Cost (\$)</u>	<u>Contingency (%)</u>
0 - \$500,000	10
\$500,00 - 5 million	7
5 million - 50 million	4
Greater than 50 million	2

- D. Mobilization - Mobilization costs are attributed to moving equipment to the project site for reclamation purposes. These costs normally range between one and five percent of the total direct cost of the reclamation operations. These costs will vary depending upon the site location and the total value of the reclamation operations to be performed. Please insert the percentage used to estimate mobilization costs under Section VIII - Summary of Costs.

VII. SUMMARY OF COST

Total of all Primary Reclamation Activities Costs	\$ 6,855.36
Total of all Revegetation Costs	\$ 4,147.07
Total of all Plant Structures & Equipment Removal Costs	\$ 0
Total of all Miscellaneous Costs	\$ 1,500.00
Total of all Monitoring Costs	\$ <u>12,502.43</u>
Total of Direct Costs	\$
Supervision (_____%)	\$
Profit/Overhead (_____%)	\$
Contingencies (<u>10</u> %)	\$ 1,250.24
Mobilization (<u>10</u> %)	\$ <u>1,250.24</u>
Total of Indirect Costs	\$ 2,500.48
Total of Direct and Indirect Costs	\$ 15,002.91
Lead Agency Administrative Cost* (Determined by the Lead Agency)	\$ <u>1,500.00</u>
Total Estimated Cost of Reclamation	\$ <u><u>16,502.91</u></u>

***NOTE** The Financial Assurance Guidelines recommend that when reviewing and approving a financial assurance cost estimate, lead agencies should include their administrative cost to draw on the financial assurance and implement the reclamation plan, should it become necessary.

EXAMPLE**EQUIPMENT LIST**

This attachment may be used to list the number and type of equipment to be used during reclamation. Write in the equipment under the general categories provided. If there is no category for the type of equipment to be used, please list it under the category entitled "Other Equipment".

TRACTORS	
Catepillar D7	1
MOTOR GRADERS	
LOADERS	
Catepillar 966H	1
BACKHOES	
SCRAPERS	

EXCAVATORS	
ARTICULATED TRUCKS	
HAUL TRUCKS (Off Hwy)	
HAUL TRUCKS (On Hwy)	
WATER TRUCKS	

TRACTOR ATTACHMENTS	
OTHER EQUIPMENT	
Hydroseeder	1



PLANNING AND BUILDING DEPARTMENT
CURRENT PLANNING DIVISION

3015 H Street Eureka CA 95501 Fax: (707) 268-3792 Phone: (707)445-7541
<http://www.co.humboldt.ca.us/planning/>

October 10, 2013

Christina Reese, Reporting Analyst
Department of Conservation
Office of Mine Reclamation
801 K Street, MS 09-06
Sacramento, CA 95814

Subject: California Mine ID # 91-12-0036, Walsh Quarry
SMP-00-06/RP-00-06/ CUP-00-39
Financial Assurance Cost Estimate Adequacy

Dear Christina:

An updated financial assurance cost estimate was submitted to the Humboldt County Planning Division for the Walsh Quarry (California Mine ID #91-12-0036) for the 2013 mining season. Based on the previous cost estimate adjusted for inflation, staff accepts the cost estimate as adequate for this mining operation. I will work with the operator to increase the financial mechanism after the OMR 45-day review period.

If you have any additional questions or comments, please contact Karen Meynell, Planner II, at (707) 268-3731 or kmeynell@co.humboldt.ca.us.

Cordially,

Karen Meynell, Planner II

Planning and Building Department
Current Planning Division



Civil Engineering
Surveying
Water Resources Management
Water & Wastewater Engineering
Supply Chain Logistics
Construction Management
Environmental Sciences
Landscape Architecture
Land Planning

October 7, 2013

Ms. Karen Meynell, Planner
Humboldt County Planning Department
3015 H Street
Eureka, CA 95501

**Subject: Financial Assurance Cost Estimate for 2013 – Walsh Quarry
California Mine ID # 91-12-0036**

Dear Ms. Meynell,

I am enclosing an updated Financial Assurance Cost Estimate for the Walsh Quarry located near Fortuna, CA (CA Mine ID# 91-12-0036). Because no additional lands have been reclaimed or disturbed, the cost estimate was increased to account for inflation during the last 12 months.

I appreciate your attention to this matter. If you have any questions or need additional information, please contact me at (707) 444-3800 ext. 7451 or mryan@manhard.com.

Sincerely,

Meghan Ryan
Environmental Planner

Manhard Consulting, Ltd.

611 I Street • Suite A • Eureka, California 95501

tel: (707) 444-3800 • fax: (707) 444-3900 • www.manhard.com

ARIZONA • CALIFORNIA • COLORADO • GEORGIA • ILLINOIS • INDIANA • MARYLAND • NEVADA • VIRGINIA

FINANCIAL ASSURANCE COST ESTIMATE

Walsh Quarry
CA Mine ID #91-12-0036

2013 Estimate

			05/2012		2012 + CPI 1.6% as of October 7, 2013
I.	PRIMARY RECLAMATION ACTIVITIES				
	Final Grading, ripping and resoiling		\$2,419.09		\$2,457.80
II.	REVEGETATION				
	Redwood/Douglas Fir Seeding (1,090 lbs/acre includes 24 hours labor) Straw Mulch (36 bales/acre includes labor)	\$3,845.98 <u>650.13</u>	\$4,496.11	\$3,907.52 <u>660.53</u>	\$4,568.05
III.	PLANT STRUCTURES & EQUIPMENT REMOVAL				
	Elymus/Agropyron Cultivar Seedlings and Labor		\$1,079.78		\$1,097.04
V.	SELF MONITORING		\$1,876.36		\$1,906.38
VI.	CONTINGENCY AMOUNT (Required 10%)		<u>\$987.14</u>		<u>\$1,002.93</u>
VII.	SUBTOTAL		\$10,858.48		\$11,032.20
VIII.	Lead Agency Estimated Administrative Costs				
	Instream or Hard Rock	\$500.00 1,000.00	<u>\$1,000.00</u>		<u>\$1,000.00</u>
IX.	FINANCIAL ASSURANCE COST ESTIMATE				
	2012		\$11,858.48		
	2013				\$12,032.20

WALSH ROCK QUARRY
2307 S Street
Eureka, CA 95501
California Mine ID# 91-12-0036

RE: APN: 311-081-05

The above-noted parcel is owned by Walsh Timber Corporation.

As person with a possessory interest in this mine, this is to inform you that they reclamation plans for Walsh Rock Quarry specifies that the end-use of the land, after reclamation is complete, will be TPZ, recreation, wildlife and watershed uses.

WALSH TIMBER CORPORATION

Heidi Beauchamp, President

Preliminary Geologic Report

Walsh Rock Quarry
APN 311-081-05

February 02, 2017

Prepared For:
Walsh Timber

Prepared By:
LACO Associates, Inc.
21 W. 4th Street
Eureka, California 95501
707 443-5054

Project No. 8563.00

LACO

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Gary L. Manhart, PG; Exp. 10/31/18



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- Figure 1: Fortuna 15 Minute Quad Map
Figure 2: Site Map
Figure 3: Cross Section

1.0 INTRODUCTION

This report presents the results of our Preliminary Geologic Report for the Walsh Quarry Site near Fortuna, California. The project is located at 40.636499°N and 124.111829°W, in the southwest portion of Section 18, T3N., R1E., Humboldt Baseline and Meridian, of the Fortuna 15-minute quadrangle (Figure 1- Location Map). The Quarry is located on Assessor's Parcel Number (APN) 311-081-05 and is located along the eastern side the Parcel (Figure 2 – Site Map). Included in this report are assessments of the potential for geologic hazards and slope stability hazards associated with the quarry site and recommendations to mitigate potential effects of such hazards. No site specific grading and drainage plans were reviewed. This is a preliminary geologic assessment of the existing site conditions and not meant for design purposes. Please review this report carefully. Some of the recommendations included may be for additional work, such as geotechnical drilling and evaluation based on development plans, inspection of cut faces, and excavations, which are not included in the scope of work for the current evaluation and report.

1.1 Scope of Services

LACO prepared a site-specific Preliminary Engineering Geologic Report that includes the following:

- Review available geotechnical (soils) and/or geologic reports, maps, and other relevant data (e.g., NOAA LiDAR) regarding the Site and vicinity;
- Process available coastal LiDAR data if any in order to produce a high resolution topographic site plan and cross-section;
- Performed an engineering geologic reconnaissance and evaluation of the Site and surrounding terrain; and
- Field grade Survey the rock slopes in order to produce a field grade slope profile for use in slope instability analysis and cross sections.

Our scope of services did not include any plan review, design, environmental assessment or any investigation for the presence or absence of any hazardous, toxic, or corrosive materials. Although we have explored site conditions as part of this investigation, we have not conducted any analytical laboratory testing of samples obtained for the presence of hazardous materials.

1.2 Limitations

This report has been prepared for the exclusive use of LACO's Client, Walsh Timber, the Client's contractors and sub-consultants, and appropriate public authorities for specific application to development of the Site. LACO has endeavored to comply with the generally accepted geotechnical engineering standard of care common to the local area. LACO makes no other warranty, expressed, or implied. This Report is not intended to be used for design purposes.

The findings' recommendations contained in this report are based on data obtained from surface explorations and our understanding that the project is an extension of an existing quarry operation. The exploration method was only visual surface observation. No samples were collected at the time of the site visit.

The recommendations included in this report are based in part on assumptions about subsurface conditions that may only be confirmed during earthwork. Accordingly, the validity of these recommendations is contingent upon LACO being retained to provide additional professional services during project design

and excavation. LACO cannot assume responsibility or liability for the adequacy of the report recommendations when they are applied in the field unless LACO is retained to observe and test during project operation. Please contact us to further discuss the extent of such observations and tests required to check the validity of LACO's recommendations.

This report's findings, conclusions, and/or recommendations should not be used if the nature, design, or location of the proposed development is changed. If changes are contemplated, LACO should be consulted to review their impact on the applicability of the findings, conclusions, and/or recommendations contained in this report. Also, LACO will not be responsible for any claims, damages, or liability associated with any other party's interpretation of the surface data or reuse of this report for other projects, or at other locations, without LACO's express written authorization.

2.0 FIELD EXPLORATION

To assess the existing quarry conditions in and around the Site (Figure 2) and the suitability of the Site for continued quarry development at sometime in the future, a Professional Geologist and assistant geologist from LACO visited the site on December 2, 2016. A general site reconnaissance and field grade survey was conducted to assess the general stability of the existing slopes. The field grade survey of the central portion of the quarry face was done to provide a reasonable cross-sectional view of central portion of the quarry site. Natural and man-made exposures in the immediate vicinity were also examined to verify the continuity of the geologic profile.

3.0 SITE CONDITIONS

The following sections describe the observed site conditions, the geologic and seismic settings of the Site vicinity, and surface conditions encountered at exploration locations.

3.1 Site Conditions

The Site is situated in a valley that opens to the north between to ridge spurs. As mapped by U.S. Geologic Survey (USGS, 1969), the Site is situated at an elevation of approximately 1000 feet. Surface runoff generally sheet flows to a drainage ditch along the lower portion of the quarry area to the northwest. The nearest drainage is Salmon Creek approximately 900 feet to the north of the Site. Topographically, the parcels consist of moderately-sloping ground with gradients ranging from 1 to 70 percent on the Site. The Site is currently a partially developed quarry, rock stockpiles, and sparsely wooded with firs, pines, alder trees, and brush. The Site is bordered to the east by the Headwaters Forest. The western parcel is similarly vacant and wooded. The Site is accessed via a private road off of Tompkins Hill Road, located along the northern property boundary.

3.2 Geologic Setting

The property is located, within the northern Coast Ranges Geologic Province. The northern Coast Ranges Geologic Province in northwestern California is a seismically active region in which large earthquakes may be expected to occur during the economic life span of any developments on the subject property. The site is in close proximity to several active seismic source areas including the Little Salmon Fault and the Cascadia subduction zone. The Site is mapped as being underlain at depth by the *Quaternary to Tertiary*

marine and non-marine overlap deposits, consisting chiefly of weakly lithified siltstone and sandstone, and conglomerates (McLaughlin et al, 2000).

3.3 Surface Soil and Rock Conditions

Characterization of the soil profile was performed by field observation of the vicinity of the quarry.

Franciscan sandstone underlies the thin native topsoil consisting of silty sands, clayey sands, and silty sands with weathered gravels. The bedrock is mainly Franciscan sandstone that has been fractured and broken up. There are two sets of pervasive fracturing in the existing quarry face. The most visually prevalent generally strikes to the northeast and dips near vertical (5 to 15 degrees) to the southeast. The secondary fractures strike generally to the northeast and dip to the northwest between 15 and 35 degrees. The rock out crop at the quarry face is generally devoid of soil within the former active operation area. Little soil has penetrated the fractures in the rock at the quarry face. The rock is proposed to be utilized as rip-rap for slope protection. Bulk Specific gravity was reported as 2.61 with an absorption of 1.01 percent (Conversano, 2001)

3.4 Groundwater and Surface Water Conditions

No seeps or springs were observable on the slopes within the quarry area at the time of our field investigation. In addition, no soil mottling or rock staining, indicative of transient groundwater conditions, was observed. Groundwater levels may fluctuate with seasonal climatic variations and changes in land use. However, due to the project site being located near the head of the drainage, groundwater is not expected to be encountered during dry-season (May through September) or wet-season (October-April). An estimated 24-hour 10-year storm event could produce approximately 5.76 inches of rain (NOAA). Runoff during the 10-year storm event from the upslope drainage area could produce approximately 0.65 cubic feet of water per second from the quarry operation area. There are no perennial streams within the Site. No groundwater data exists for the Site.

3.5 Slope Instability/Landsliding

The Site is situated in the northeast portion of the Parcel. The Slope gradients on the parcel range from a maximum of approximately 60 percent along ridges to approximately 1 percent slope near the quarry face. The quarry face is relatively stable in its present configuration and lacks evidence for recent slope movements.

In general, the Parcel is in an area that is mapped as having a moderate potential for slope instability. However, slopes on the subject property and in the immediately surrounding quarry area appear generally stable (HCCDS, 2004) in their present configuration. At present, no ground cracks, head scarps, or slumps indicative of active or dormant slope failures were observable at or near the Site. Review of aerial photographs encompassing the project Site does not reveal the presence of any landsliding. Provided our recommendations are adhered to, we do not anticipate that slope stability will be a hazard to the proposed development.

Given the level of potential ground shaking associated with the local and regional seismic sources, it is possible earthquake-induced slope failures may occur on the slopes of the quarry site. The actual level of risk of earthquake-induced slope failure is dependent on a number of variables, including the proximity of

the epicenter, the depth of the hypocenter, and the duration of the shaking, and especially the soil moisture conditions at the time of the event. It is beyond the scope of this report to speculate on the potential for slope movement to develop as a result of a local or regional earthquake.

4.0 RECOMMENDATIONS

4.1 Quarry Area

The quarry site is currently developed with multiple benches and one major rock face where the majority of extraction has been done. The main bench below the quarry cut face is sloped back (4°) towards the cut face and a minimum of 15 feet in width (Figure 3). The two upper benches above the top of the cut face are generally level.

4.1.1 Slopes

The slope of the cut face of the quarry is currently approximately 1 horizontal to 2 vertical (1:2) at an approximate height of 30 feet. The cut face appears to be stable and no excessive debris appears to have fallen from the cut face since the quarry was last operated. The slope above the cut face is approximately 2:1 in its current configuration with vegetation becoming established. Final reclamation quarry slopes on the rock face will be 1:1. All other slopes in the quarry area should be 2:1 or flatter.

4.1.2 Bench Areas

Benches should be a minimum of 12 feet in width and sloped inward toward the slope to control drainage. Best management practices (BMPs) should be employed to control runoff and dissipate energy during the wet season. Slough material which impedes drainage should be removed to provide proper drainage after major storm events along with assessing overall performance of BMPs (by others).

4.1.3 Roads

The following erosion controls should be installed and inspected on an annual basis prior to the rainy season with in the quarry area:

- Install fiber rolls or hay bales at locations of concentrated runoff;
- Install rock armoring at the outlet of any culvert/slope drains to act as a water velocity dissipation device;
- Water bars will be employed to minimize concentrating runoff along down slope sections of quarry and access road; and
- Culverts and channels should be routinely inspected to ensure that they are free of debris.

5.0 ADDITIONAL SERVICES

5.1 Review of Grading, and Drainage Plans

The conclusions and recommendations provided in this report are based on the assumption that soil and rock conditions encountered during grading and/or extraction will be essential, as encountered during our preliminary evaluation, and that the general nature of the grading and use of the Site will be as described above. LACO should be retained to review final drafts of grading, drainage, and landscape plans prior to their implementation.

6.0 REFERENCES

- CDMG [California Division of Mines and Geology], 1995, Planning Scenario in Humboldt and Del Norte, Special Publication 115.
- Humboldt County Community Development Services (HCCDS) General plan Geologic Map, 2004
- International Conference of Building Officials-California Division of Mines and Geology, 1998, Maps of Known Active Fault Near Source Zones in California and Adjacent Portions of Nevada.
- McLaughlin, R. J., S. D. Ellen, M. C. Blake Jr., A. S. Jayko, W. P. Irwin, K. R. Adto, G. A. Carver, and S. H. Clarke, Jr., 2000, Geology of the Cape Mendocino, Eureka, Garberville, and Southwestern Part of the Hayfork 30x 60 Minute Quadrangles and Adjacent Offshore Area, Northern California.
http://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_cont.html?bkmrk=ca, Point Precipitation Frequency (PF) Estimates, with 90% Confidence intervals and Supplementary information, NOAA Atlas 14, Volume 6, Version 2
- PG&E Geosciences: "Technical Report TR-HBIP-2002-0, Seismic Hazard Assessment for the Humboldt Bay, Enclosure 9, ISFSI Project, Revision 0", December 27, 2002
- Satake, K., K. Wang, and B. F. Atwater, 2003, Fault slip and seismic moment of the 1700 Cascadia earthquake inferred from Japanese tsunami descriptions, Journal of Geophysical Research, Vol. 108(B11), 2535, doi: 10.1029/2003JB002521, 2003.
- USGS [United States Geologic Survey], Fortuna 15 minute Quadrangle Topographic Map, 1969

GLM:jc

FIGURES

- | | |
|-----------------|-----------------------------------|
| Figure 1 | Fortuna 15 Minute Quad Map |
| Figure 2 | Site Map |
| Figure 3 | Cross Section |

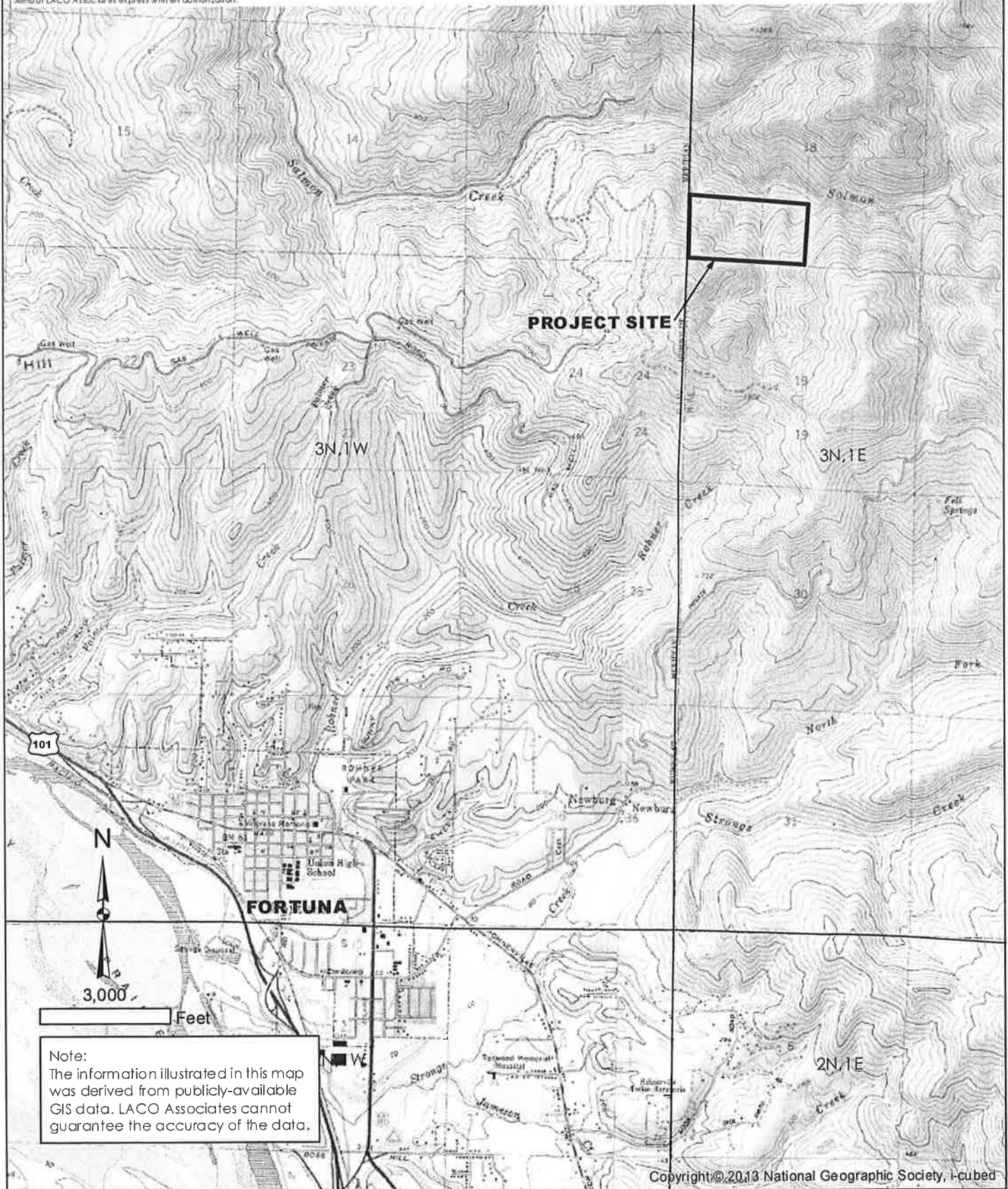
LACO

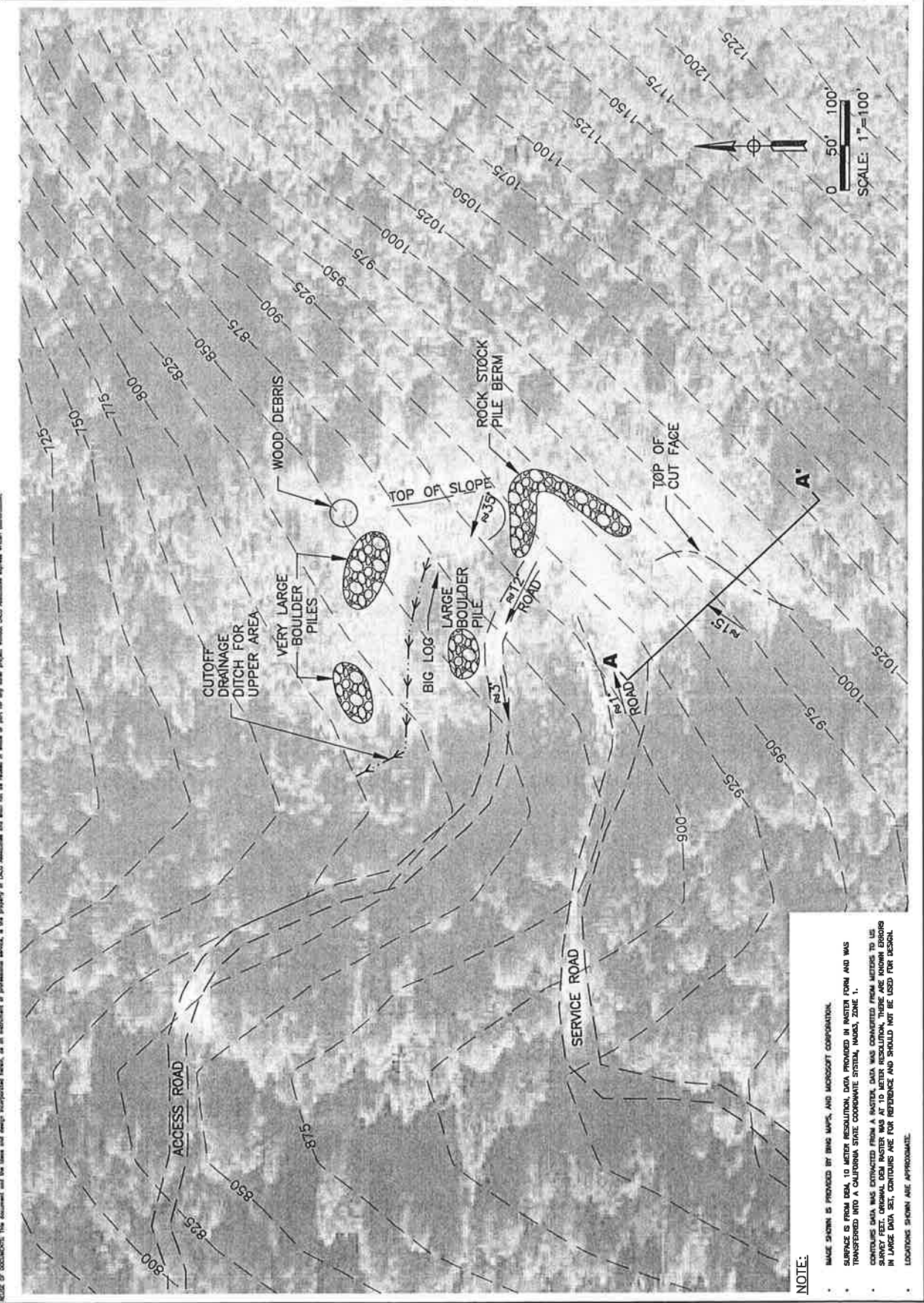
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PROJECT	WALSH TIMBER, SMARA PERMIT	BY	JB	FIGURE	1
CLIENT	WALSH TIMBER & HEDIBEAUCHAMP	CHECK	GM		
LOCATION	2307 S STREET, EUREKA, CA. 95501	DATE	1/19/2017	JOB NO	8563.00
	LOCATION MAP- FORTUNA, HUMBOLDT, CA.				

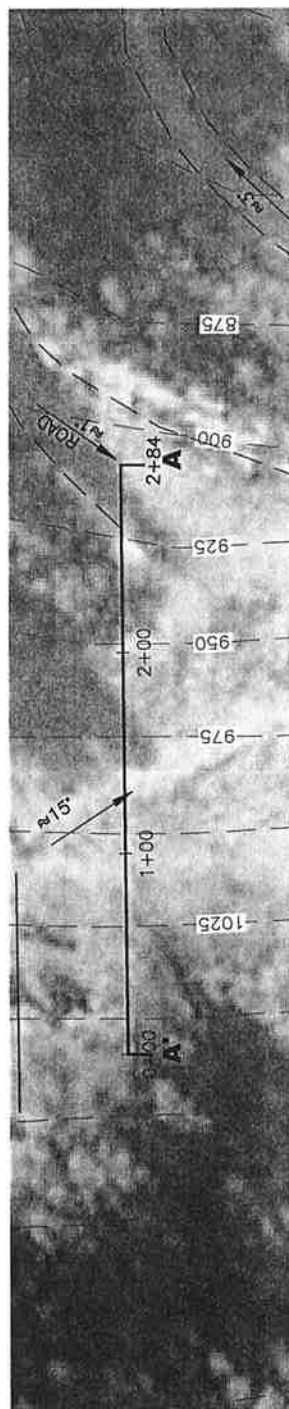
REUSE OF DOCUMENTS: This document and the ideas and design incorporated herein, as an instrument of professional service, is the property of LACO Associates and shall not be reused in whole or part for any other project without LACO Associates express written authorization.





NOTE:

- MADE SHOWN IS PROVIDED BY BING MAPS, AND MICROSOFT CORPORATION.
- SURFACE IS FROM DEM, 10 METER RESOLUTION, DATA PROVIDED IN MASTER FORM AND WAS TRANSFERRED INTO A CALIFORNIA STATE COORDINATE SYSTEM, NAD83, ZONE 1.
- CONTOUR DATA WAS EXTRACTED FROM A MASTER DATA SET, DATA WAS CONVERTED FROM METERS TO US SURVEY FEET, ORIGINAL DEM MASTER WAS AT 10 METER RESOLUTION, THERE ARE KNOWN ERRORS IN LARGE DATA SET, CONTOURS ARE FOR REFERENCE AND SHOULD NOT BE USED FOR DESIGN.
- LOCATIONS SHOWN ARE APPROXIMATE.



PLAN VIEW
SCALE: 1" = 60"



1"

**GRAPHIC SCALE MEASURES 1 INCH
ON FULL-SIZE PLANS.**

WALSH ROCK QUARRY
2307 S Street
Eureka, CA 95501
California Mine ID# 91-12-0036

PLAN OF OPERATION
APN: 311-081-05

The project consists of mining rock from a rock out crop on the above-noted parcel. The rock will be processed, sorted and stockpiled for use in rock slope protection and aggregates for use as base material.

1. Hours of operation for extracting and processing shall be Monday through Saturday, 6:00 a.m. to 6:00 p.m. Drilling and blasting operations shall be Monday through Saturday, 8:00 a.m. to 5:00 p.m. A minimum of five parking spaces will be provided on site.

Rip-rap mining operation will be conducted by a three man crew. Winter operations and maintenance will occur after rain commences.

Aggregate production will be conducted by a three man crew on a demand basis. Winter operations will only be conducted during clement weather.

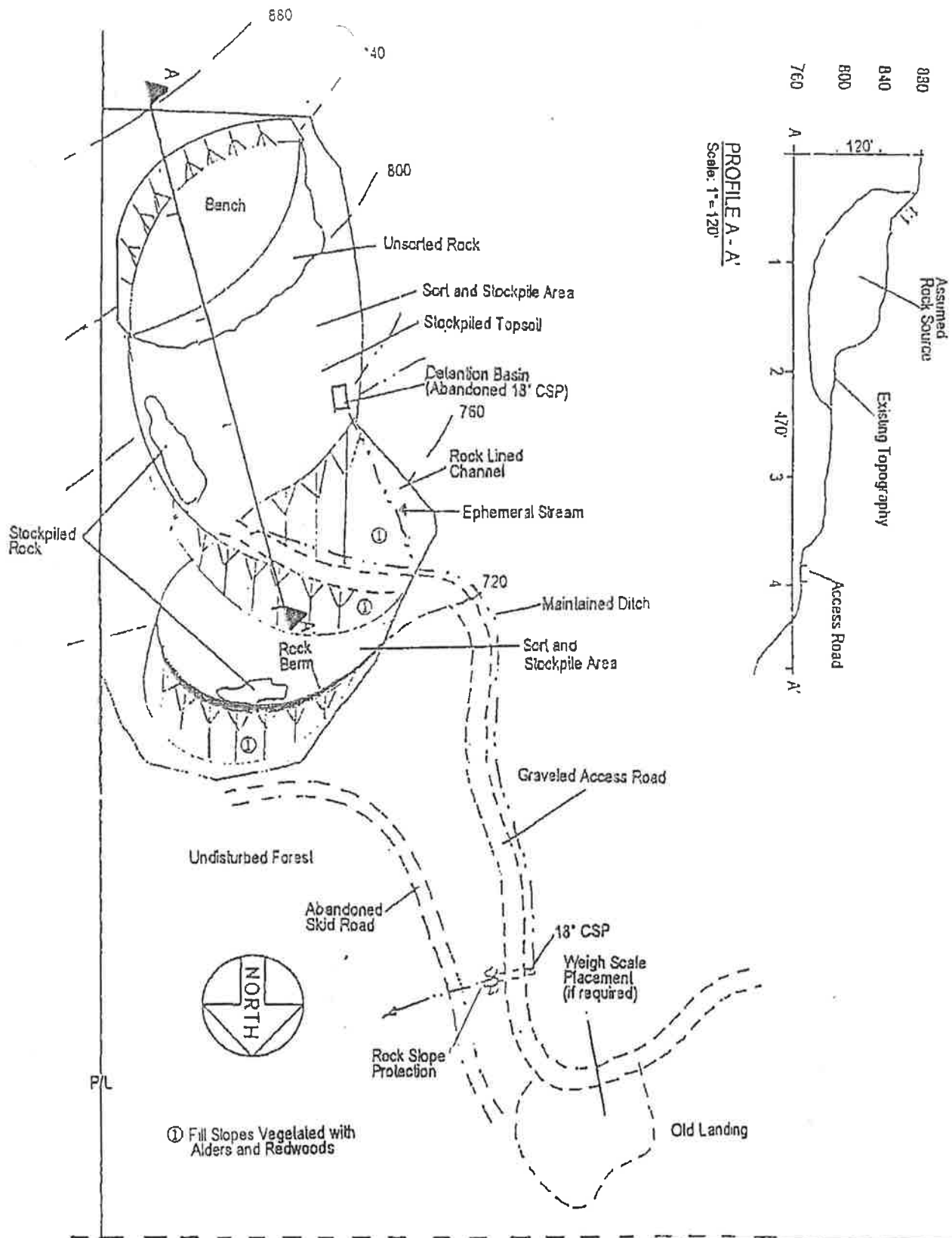
2. No by-products for disposal will result from mining operation. All quarry waste will be utilized.
3. No discharges into water or air. During aggregate production dust will be controlled by application of water spray. No mining operations are conducted in creek areas. Winter maintenance includes placement of hay bales, silt fences and rock retention barriers. Construction and maintenance of berms on access roads. Maintenance checks are to be made on a regular basis.
4. Noise levels from operations are mitigated by the distance from the nearest improvements. Aggregate processing will be intermittent and be shielded by stock piling of aggregates to reduce noise levels.
5. No impact on roadways or sanitary facilities. The impact on public facilities will be minimal. Portable toilet facilities will be available on site for employees. Potable water will be hauled to site. Power will be provided by portable generators. Truck trips are estimated at an average daily traffic increase of five. The increase in traffic due to quarry operations will be minimal.
6. Mining operation will conform to Section 391-10 of Humboldt County Code (copy attached).

ATTACHMENT 7

MINING PERMIT STANDARDS
HUMBOLDT COUNTY CODE
SECTION 391-10

In addition to meeting the minimum acceptable surface mining and reclamation practices in the State Act and Regulations, each surface mining operation shall be designed and conducted to meet the operational standards of this Section. Conditions may be imposed on the mining permits to ensure compliance with minimum acceptable practices and standards. Operations authorized by a permit shall be conducted only by the operator or an authorized agent. Additional standards are set forth in the Act and Regulations. See, for example, section 3700 and following, "Reclamation Standards".

- A. Access Roads: All private encroachments leading to a surface mining operation shall be adequately surfaced to prevent aggregate or other material from being drawn onto the public way.
- B. Dust Suppression: All haul roads and driveways shall be maintained as necessary to minimize the emission of dust and prevent the creation of nuisance to adjacent properties.
- C. Discharge Waters: Any waters discharged from the mined lands shall meet all applicable water quality standards of the Regional Water Quality Control Board and other agencies with authority over such discharges.
- D. Erosion Control: Adequate measures shall be taken to assure the prevention of erosion from mined lands and adjacent properties during the life of the operation. The Reclamation Plan shall assure the prevention of erosion subsequent to surface mining operations.
- E. Maintenance of Existing Grades: Unless otherwise specifically authorized for the purpose of environmental enhancement by the State Department of Fish and Game (and the Army Corps of Engineers, if necessary), grades and land forms in mined lands shall be maintained in such a manner so as to avoid accumulations of water that serve as breeding areas for mosquitoes or sites of fish entrapment.
- F. Surrounding Water Transmissivity: Excavations which may affect groundwater shall not substantially reduce the quality or quantity of groundwater available in the area surrounding the mined lands.
- G. Compliance with Other Jurisdictions: Surface mining operations in areas where other agencies have regulatory jurisdiction shall be operated so as to comply with all applicable rules and regulations. Other agencies shall include, but not be limited to, the Department of Fish and Game, the North Coast Regional Water Quality Control Board, and the U.S. Army Corps of Engineers. If the County becomes aware of any operation which is operating in violation of any other agency's permit conditions, or the regulations or laws of another agency, the Planning Department shall notify the other agency(ies) of the violation and request that the agency having jurisdiction take appropriate enforcement action.

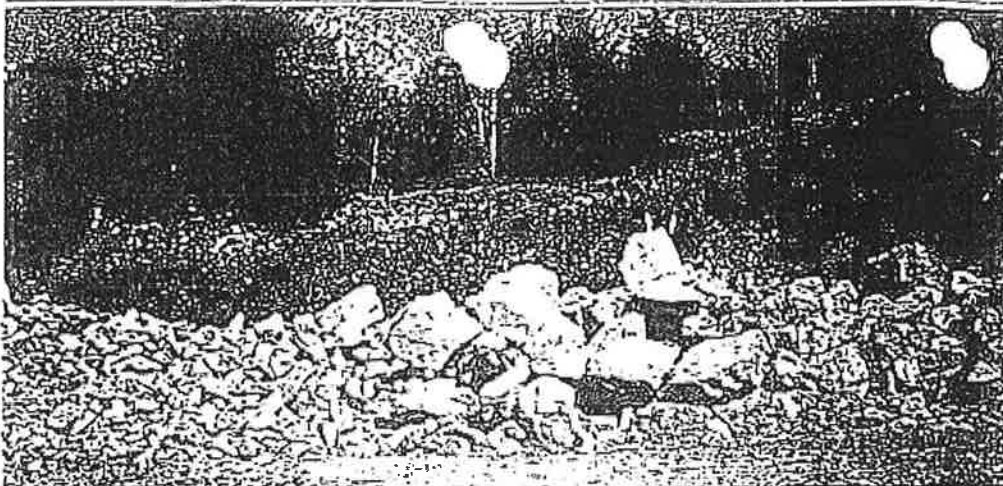


Scale: 1" = 120'

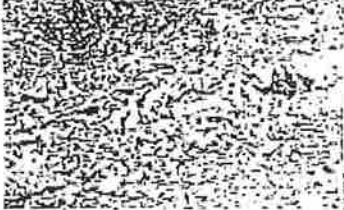
DRAINAGE CONTROL MAP
Walsh Rock Quarry
APN 311-081-05

05/16/01

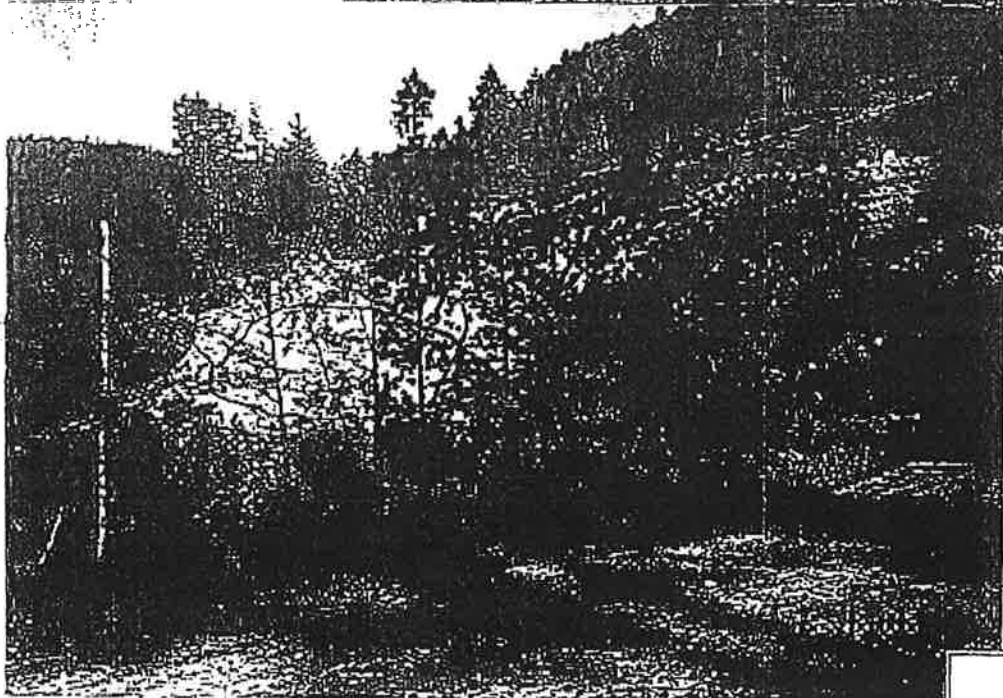
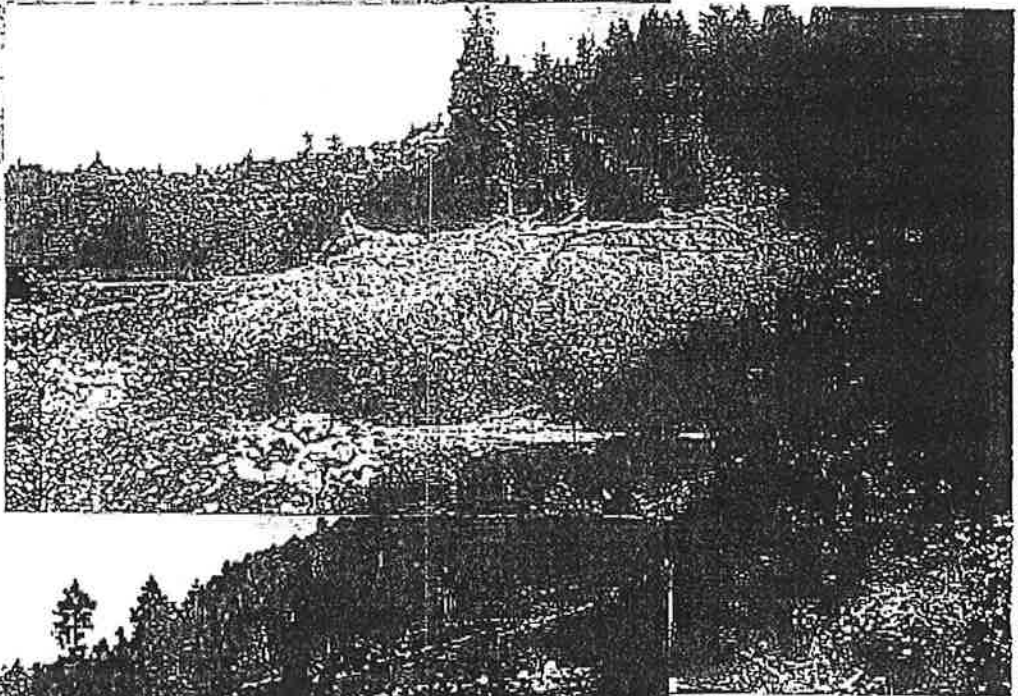
GJC



Looking North Westerly
to Sorted Rock Stockpile



Looking South Easterly to
Upper Cut on Rock Face

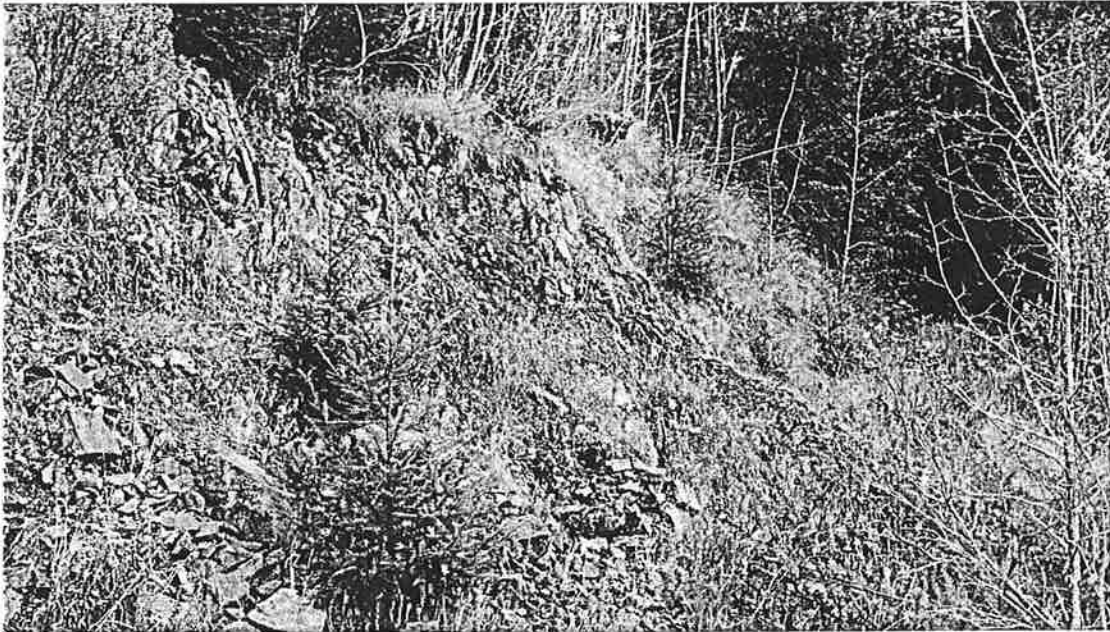


Looking Easterly, Lower and
Upper Sort and Stockpile Areas

PHOTOS
Walsh Rock Quarry
APN 311-081-05
05/16/01 GJC

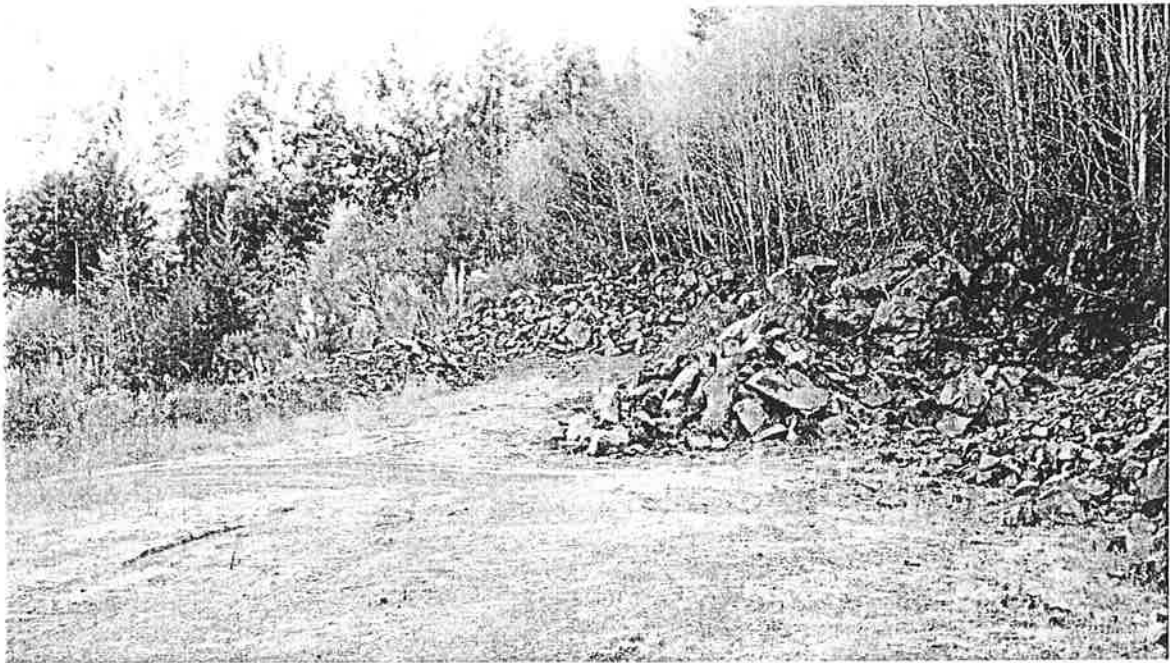
86

PHOTOGRAPHS OF WALSH QUARRY
CA MINE ID #91-12-0036

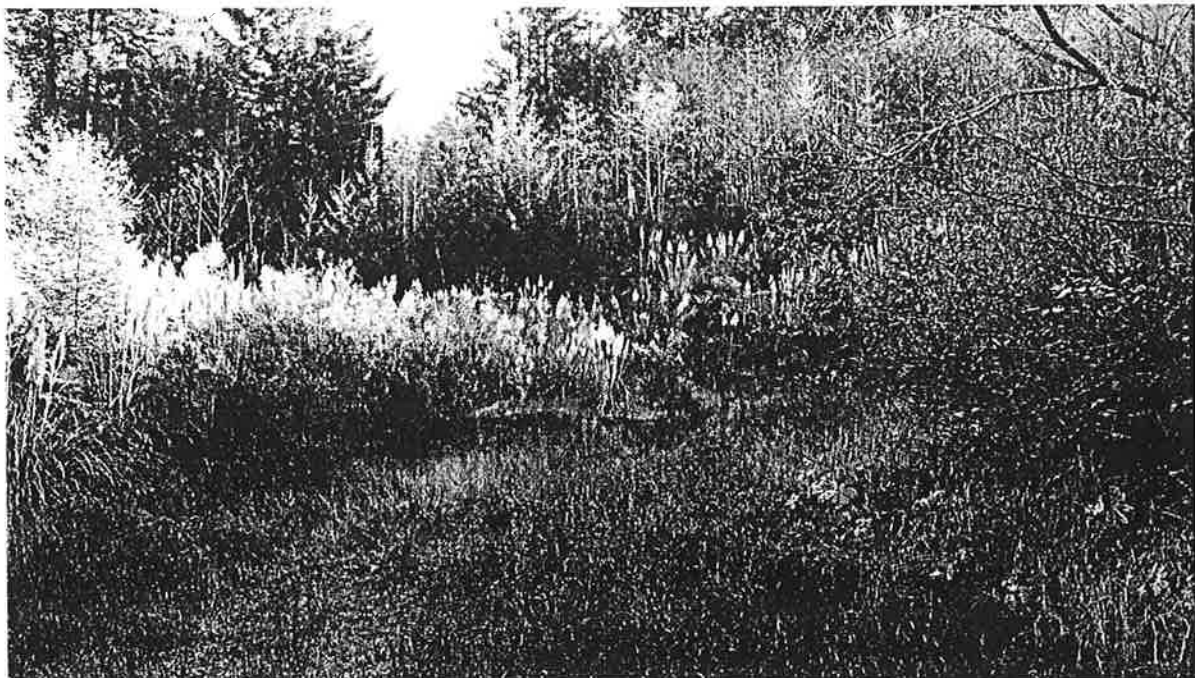


Figures 1 & 2. Walsh Quarry December 2016.





Figures 3 & 4. Walsh Quarry December 2016. Notice revegetation on access roads & other places in quarry.



Attachment 4

Addendum and Mitigated Negative Declaration

Mitigation, Monitoring and Reporting Program

ADDENDUM TO THE MITIGATED NEGATIVE DECLARATION

WALSH TIMBER COMPANY QUARRY

SCH NO. 2001072011

APN: 311-081-005

Fortuna Area, Humboldt County

DRAFT

**Prepared By
Humboldt County Planning and Building Department
3015 H Street, Eureka, CA 95501**

February 2017

Background

The applicant is proposing a 15 year renewal of a previously approved surface mining permit for a rock quarry surface mining operation which has been permitted and operating for the past twenty five years. The project includes a Conditional Use Permit, Surface Mining Permit, Reclamation Plan, and review of financial assurance cost estimates for a surface mining operation involving an rock face upland rock quarry with a proposed total extraction of 90,000 cubic yards over a 15-year period. The method of surface rock removal will involve the use of explosives and an air track drill spaced on an 8'-10' grid pattern back from the rock face. Other equipment to be used includes a "cat 966 loader", a "cat D-7 crawler", and a grizzly dry screen sorter. Rock products will be hauled by end-dump trucks. Truck trips are estimated at an average daily traffic increase of five. Aggregate production will be conducted by a three man crew on a demand basis and portable toilet facilities will be provided for on site employees.

Purpose - Section 15164 of the California Environmental Quality Act (CEQA) provides that the lead agency shall prepare an addendum to a previously approved Mitigated Negative Declaration (MND) if some changes or additions are necessary but none of the conditions described in Section 15162 calling for a subsequent MND have occurred. Section 15162 states that when an MND has been adopted for a project, no subsequent MND shall be prepared for that project unless the lead agency determines, on the basis of substantial evidence in the light of the whole record, one or more of the following:

1. *Substantial changes are proposed in the project which require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;*
2. *Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or*
3. *New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete, shows any of the following: A) the project will have one or more significant effects not discussed in the previous EIR; B) significant effect previously examined will be substantially more severe than shown in the previous EIR; C) mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or D) mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.*

The proposed project will continue to operate under compliance with the previously adopted Conditions of Approval and mitigation measures included in the MND. The requested extension of permit term does not result in any additional mitigation measures or impacts that can be considered significant. The extended project will not result in any new changes that may have a significant impact on the environment.

Summary of Significant Project Effects and Mitigation Recommended

No changes for the original project's recommended mitigations.

Other CEQA Considerations

Staff suggests no changes for the revised project.

EXPLANATION OF DECISION NOT TO PREPARE A SUPPLEMENTAL MITIGATED NEGATIVE DECLARATION

See Purpose statement above.

In every impact category analyzed in this review, the projected consequences of the current project proposal are either the same or less than significantly increased than the initial project for which the Environmental Impact Report was adopted. Based upon this review, the following findings are supported:

FINDINGS

1. For the extended project term, there are no substantial changes proposed in the project which require major revisions of the previous MND due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects.
2. For the extended project term, no substantial changes have occurred with respect to the circumstances under which the project is undertaken which will require major revisions of the previous MND due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects.
3. For the extended project term, there has been no new information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous MND was adopted as complete. Furthermore, it is concluded that: the current project will not have one or more significant effects not discussed in the previous MND. Also, significant effects previously examined will not be substantially more severe than shown in the previous MND. There are no mitigation measures or alternatives previously found not to be feasible that would in fact be feasible and would substantially reduce one or more significant effects of the project. Finally, there are no mitigation measures or alternatives identified in this analysis which are considerably different from those analyzed in the previous MND, and which would substantially reduce one or more significant effects on the environment.

CONCLUSION

Based on these findings it is concluded that an Addendum to the Mitigated Negative Declaration is appropriate to address the requirements under CEQA for the current project proposal. All of the findings, mitigation requirements, and mitigation and monitoring program of the MND are applicable to the current project proposal.

Attachment

Mitigated Negative Declaration

1. **Project title:** Walsh Timber Corp.; APN 311-081-05 (Salmon Creek area)
Case Nos.: CUP-00-39/ SMP-00-06/RP-00-06
2. **Lead agency name and address:** Humboldt County Planning & Building Department, 3015 H Street, Eureka, CA 95501-4484; Phone: (707) 445-7541; Fax (707) 445-7446
3. **Contact person and phone number:** Michael E. Wheeler, Planner (707) 445-7541
4. **Project location:** The project site is located in Humboldt County, in the Salmon Creek area in Section 18, T3N, R1E at the end of a private road approximately 6.0 miles east of the junction of the private road with Tompkins Hill Road.
5. **Project sponsor's name and address:**

APPLICANT

Walsh Timber Corp.
519 - 6th Street
Eureka, CA 95501
phone: 442-5789
fax:

OWNER(S)

same

AGENT

Guy Conversano, P.E.
PO Box 1567
Willow Creek, CA 95573
phone: 530-629-3000
fax: 530-629-3000

6. **General plan designation:** Timber (T). Framework Plan. Density: minimum parcel size of 20 - 160 acres.

7. **Zoning:** Timber Production Zone (TPZ).

8. **Description of project:** (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or on-site features necessary for its implementation. Attach additional sheets if necessary.)

A new 15-year permit term for a previously approved rock quarry surface mining operation which has been permitted and operating for the past ten years. The project includes a Conditional Use Permit, Surface Mining Permit, Reclamation Plan, and review of financial assurance cost estimates for a surface mining operation involving an open pit upland rock quarry with a proposed total extraction of 90,000 cubic yards over a 15-year period from an open pit mine. The method of surface rock removal will involve the use of explosives and an air track drill spaced on an 8'-10' grid pattern back from the rock face. Other equipment to be used includes a "cat 966 loader", a "cat D-7 crawler", and a grizzly dry screen sorter. Rock products will be hauled by end-dump trucks. Truck trips are estimated at an average daily traffic increase of five. Aggregate production will be conducted by a three man crew on a demand basis and portable toilet facilities will be provided for on site employees.

9. **Surrounding land uses and setting:** Briefly describe the project's surroundings:

The project area is located in the Salmon Creek drainage and is surrounded by forested lands managed under a Non-Industrial Timber Management Plan.

10. **Other public agencies whose approval is required** (e.g. , permits, financing approval, or participation agreement.)

Regional Water Quality Control Board (401 Certification or Waiver), North Coast Air Quality Management District (possible permit required), California Department of Conservation, Division of Mines and Geology (Reclamation Plan and Financial Assurance Approval), California Department of Fish and Game (possible

trustee agency); the applicant/landowner/operator has an approved non-industrial timber management plan with the California Department of Forestry and Fire Protection for the surrounding timber lands.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- | | | |
|---|--|--|
| ☒ Aesthetics | ☐ Agriculture Resources | ☒ Air Quality |
| ☒ Biological Resources | ☒ Cultural Resources | ☒ Geology / Soils |
| ☐ Hazards & Hazardous Materials | ☒ Hydrology / Water Quality | ☐ Land Use / Planning |
| ☐ Mineral Resources | ☒ Noise | ☐ Population / Housing |
| ☐ Public Services | ☒ Recreation | ☒ Transportation / Traffic |
| ☒ Utilities / Service Systems | ☒ Mandatory Findings of Significance | |

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

- ☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- ☒ I find that although the proposed project COULD have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- ☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- ☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- ☐ I find that although the proposed project COULD have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature

Michael E. Wheeler

Printed name

July 12, 2001

Date

HCDCDS

For

EVALUATION OF ENVIRONMENTAL IMPACTS:

- 1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- 2) All answers must take into account the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
- 4) "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section XVII, "Earlier Analyses," may be cross-referenced).
- 5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
 - a) Earlier Analysis Used. Identify and state where they are available for review.
 - b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
 - c) Mitigation Measures. For effects that are "Less Than Significant with Mitigation Measures Incorporated," describe the mitigation measures which they address site-specific conditions for the project.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plan, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
- 7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
 - a.) Reclamation Plan for Quarry
 - b.) Plan of Operations for Quarry
 - c.) Project maps and figures
 - d.) Non-Industrial Timber Management Plan

- e) Conditional Mitigated Negative Declaration for CUP-11-91, the previous surface mining conditional use permit issued for the project site, and adopted 7-30-91.
- 8) This is only a suggested form, and lead agencies are free to use different formats, however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
- 9) The explanation of each issue identify:
 - a) The significant criteria or threshold, if any, used to evaluate each question; and
 - b) The mitigation measure identified, if any, to reduce the impact to less than significant.

CHECKLIST, DISCUSSION OF CHECKLIST RESPONSES, PROPOSED MITIGATION

1. AESTHETICS . Would the project:

Potentially Significant	Potentially Significant Unless Mitigation Incorp.	Less Than Significant Impact	No Impact
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- a) Have a substantial adverse effect on a scenic vista?

☐	☐	☐	☒
--------------------------	--------------------------	--------------------------	-------------------------------------

The project area is located in a remote location and no direct view of the quarry is available from nearby public roads. The proposed project will not expose any more of the project area to the view of the public than that which currently exists. No elevated scenic views of the project area exist.

- b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

☐	☐	☐	☒
--------------------------	--------------------------	--------------------------	-------------------------------------

The proposed project does not have rock outcroppings which are considered a scenic resource or historical buildings within its boundaries.

- c) Substantially degrade the existing visual character or quality of the site and its surroundings?

☐	☐	☐	☒
--------------------------	--------------------------	--------------------------	-------------------------------------

The project area is located in a timberland setting that is surrounded by industrial timberlands, and non-industrial timberlands and rural residential properties. There is no accessible to the public from which the quarry could be viewed.

- d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

☐	☐	☐	☒
--------------------------	--------------------------	--------------------------	-------------------------------------

The proposed project is limited to daylight hours and very little equipment. Because of the small scale of the operation and limited hours, there would be no impact on light, glare or nighttime views.

2. AGRICULTURE RESOURCES. In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:

Potentially Significant	Potentially Significant Unless Mitigation Incorp.	Less Than Significant Impact	No Impact
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- a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

☐	☐	☐	☒
--------------------------	--------------------------	--------------------------	-------------------------------------

The project area is not classified as prime farmland.. The project proposes that a majority of the mining area will be converted to a final reclaimed state timberland.

- b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

☐	☐	☐	☒
--------------------------	--------------------------	--------------------------	-------------------------------------

The project is proposed within a parcel zoned as Timber Production zone (TPZ) and the General Plan designation is Timber Production (T). The final reclaimed state of the project area is for timberland. Both California state law and Humboldt County ordinances allow the temporary conservation and utilization of mineral resources on private lands. The County's practice has been to find that surface mining is considered a conditionally permissi-

ble and compatible use with lands zoned agriculture or timber and designated for agricultural or timberland uses. The subject property which contains Site III timberland was logged under Timber Harvest Plan (THP) 1-89-573 HUM in 1990. The site had been clear cut 45 years previously. The THP was approved with an addendum requesting a Conversion Exemption of less than 3.0 acres for the development of the quarry. The log landing area used under the THP was subsequently used for stockpiling, sorting and loading activities. Because a THP was approved for the property and because the actual quarry site is not suitable for timber growing, staff believes the project will not significantly affect the productivity or acreage of timberlands.

- c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use? ☐ ☐ ☐ ☒

The change in the existing environment is only proposed during the life of the permit. The proposed reclamation includes provisions for restoration (revegetation) for timberland. The project would ultimately serve to reclaim, and restore to timberland uses.

3. AIR QUALITY. Where available, the significant criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:		Potentially Significant	Potentially Significant Unless Mitigation Incorp.	Less Than Significant Impact	No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?		☐	☐	☐	☒
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?		☐	☒	☐	☐
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?		☐	☐	☐	☒
d) Expose sensitive receptors to substantial pollutant concentrations?		☐	☐	☐	☒
e) Create objectionable odors affecting a substantial number of people?		☐	☐	☐	☒

No final attainment plan currently exists for Humboldt County. However, the proposed project will not result in significant contributions to PM10 levels in the area. The operations as proposed are small in scale and minimal in intensity and duration. The project will generate small amounts of particulates as a result of truck traffic activities and dust from grading activities, exposure of soils, and emissions from construction equipment.

The project site is located in a sparsely developed rural setting. The coastal setting is expected to significantly decrease air quality (dust emission) problems during extraction and reclamation activities due to surface and subsurface soil moisture contents throughout the year. The only processing proposed is crushing and screening and will be done infrequently and for limited duration. If crushing or screening of rock aggregate materials is done on site, the applicant is required to obtain a "Permit to Operate" from the Northern California Air Quality Management District, which will regulate air emissions from that operation. The on-site haul road will be watered as needed for dust abatement.

Mitigation:

M-1. The on-site haul road shall be watered to reduce dust emissions and potential wind erosion of the soils; Apply water to disturbed land surfaces at a frequency high enough to maintain soil cohesion and to reduce blowing dust to the extent practicable. The operator shall maintain a log identifying the day and time and the amount of water applied to maintain dust control. The log shall be kept on the project site and

shall be presented for review by county or other agency personnel upon request.

The North Coast Air Quality Management District does not currently require permits for the operation of heavy equipment within the project area. There are no "target" air quality standards/limits in this area, however, heavy equipment is generally subject to emission standards, and exceeding those standards may constitute a "nuisance" condition, and can be mitigated by proper vehicle maintenance. In addition, this project is generally limited to the use of one dump truck and one excavator.

Possible pollutants associated with the project would be dust and diesel exhaust. Human receptors are limited by the relatively undeveloped rural setting and limited duration and intensity of the operations.

4. BIOLOGICAL RESOURCES. Would the project:

- | | Potentially Significant | Potentially Significant Unless Mitigation Incorp. | Less Than Significant Impact | No Impact |
|--|--------------------------|---|-------------------------------------|--------------------------|
| a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? | ☐ | ☐ | ☒ | ☐ |

Because the project area is located within a timberland setting, the mining operations could have an impact on species whose habitat includes the project area. Page 8a of the Environmental Information Section of the Reclamation Plan list all of the species of plants and animals that were considered. The Salmon Creek timber management unit has potential habitat for the southern torrent salamander, which is a California Department of Fish and Game Species of Special concern. The Non-Industrial Timber Management Plan (NTMP) for the property is in conformance with the Fish and Game Commission's Special 2084 Order the provides for the incidental take of the southern torrent salamander. The project site, however, has no stream courses and implementation of best management practices to control surface water impacts (see Section 8 below will minimize the potential for off site impacts to this species. Information on spotted owls is also contained in the NTMP. Under a previous Timber Harvest Plan, a spotted owl siting was made approximately 3600 feet southwest of the property boundary, and it was determined that the quarry operation should have no significant negative effect to spotted owl or any of the listed species. A botanical inventory of the project site was conducted by Dave Imper, Botanist for LACO Associates on December 7, 1990. Based on geographical distribution and habitat specificity, no species of rare or endangered plants were suspected to occur.

- | | | | | |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service? | ☐ | ☐ | ☒ | ☐ |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|

The vegetation surrounding the site is composed of coastal forest species of Northern California. These species and forest stands are not unique to the area and are not identified as a sensitive natural community. The proposed project is well above riparian habitats located downslope. Storm water runoff and the associated potential for sediment introduction to watercourses downslope will be controlled by the application of erosion control measures (straw mulch and seeding) and the proposed surface runoff controls during surface mining and at completion of reclamation (see Section 8 below). The Salmon Creek drainage contains populations of salmon, steelhead, and cutthroat trout, along with other aquatic species and wildlife. For the original Permit (CUP-11-91), a site inspection was conducted by the Department of Fish and Game on February 28, 1991. Based upon their site inspection, review of the Reclamation Plan and additional mitigation measures, the Department of Fish and Game determined that the project will adequately protect fish and wildlife habitats from potential adverse environmental impacts.

- c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? ☐ ☐ ☐ ☒

There are no federally protected wetlands on or near the project site and the project will not result in removal, filling, hydrological interruption, or other means of impacting wetland habitats.

- d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites? ☐ ☐ ☐ ☒

The quarry project will create a relatively small opening in the timber canopy that is not significant with respect to wildlife corridors.

- e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? ☐ ☐ ☐ ☒

There are no tree preservation policies or ordinances for the project area.

- f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan? ☐ ☐ ☐ ☒

The project area is not within, nor subject to an approved plan of this nature.

5. CULTURAL RESOURCES. Would the project:

- | | Potentially Significant | Potentially Significant Unless Mitigation Incorp. | Less Than Significant Impact | No Impact |
|--|--------------------------|---|------------------------------|-------------------------------------|
| a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5? | ☐ | ☐ | ☐ | ☒ |

The access road is already in place. No historical resources as defined in §15064.5 exist. The Division of Natural Resources of the Humboldt County Department of Public Works has indicated that their database contains no recorded archaeological sites within the project area. Cut slopes on the existing pit have not revealed the presence of any archaeological resource. There is no surface water nearby, making it unlikely to have been proximate to a native American habitation.

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5? | ☐ | ☐ | ☐ | ☒ |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

The project site as described above, exists in an extremely disturbed state, and as noted above is unlikely to be the site of archaeological resources.

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? | ☐ | ☐ | ☐ | ☒ |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

The geology at the project site is not unique to the area nor is it a paleontological resource or site. Several unpermitted mines of this type as well as geologic deposits of this type are located within the general vicinity of the project area. No fossils were observed within the ancestral alluvial deposits at this site or any others observed

where mining activities had exposed cross-sectional views.

- d) Disturb any human remains, including those interred outside of formal cemeteries? ☐ ☐ ☐ ☒

It is highly unlikely that human remains exist below the existing grade at the site. If remains were onsite, they would have already been uncovered by historical mining activities.

6. GEOLOGY AND SOILS. Would the project:

- a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:

- i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42?

Potentially Significant Potentially Significant Unless Mitigation Incorp. Less Than Significant Impact No Impact

☐ ☐ ☐ ☒

The Geotechnical Investigation Report prepared for the project delineates no significant Thrust Faults that would have an impact on the project area. The proposed operation is located in the vicinity of the Little Salmon Creek fault. The operation does not involve the construction of any permanent facilities. It is not anticipated that any fault activity will have an adverse effect on the proposed project. The project will involve rock blasting in accordance, and under the jurisdiction of, all applicable agencies. The amount of explosives utilized in the operation is intended to aid in removal only by loosening and cracking the rock. The blasting will not affect the stability of the substrata and therefore will not negatively affect the geological stability of the area. There is no likelihood that this project would impact faults or that faults would impact the proposed project site.

- ii) Strong seismic ground shaking?

Potentially Significant Potentially Significant Unless Mitigation Incorp. Less Than Significant Impact No Impact

☐ ☐ ☐ ☒

The project site is located within the youthful topography shaped by rapid uplifting and erosion within a geological time frame. The occurrence of earthquakes and strong seismic ground shaking has a potential to occur within and around the project vicinity. However, the surface mining and reclamation activities proposed will not expose people to any additional impacts related to this occurrence.

- iii) Seismic-related ground failure, including liquefaction?

☐ ☐ ☐ ☒

Due to the lack of saturated, loosely consolidated material, potential for liquefaction is minimal, if not absent. Seismic-related ground failure has the potential to occur, however, the activities proposed do not increase exposure of people to this type of event.

- iv) Landslides?

☐ ☒ ☐ ☐

The youthful topography within the coast range is known for its potential for mass wasting in the form of rotational/transitional slides, debris torrents, and debris slide slopes. However, the potential for failure in this area is not proximal to people, and the proposed project incorporates mitigation measures for these areas during the planning stages of the project (see Reclamation Plan - Geological Report). The proposed project incorporates a phased reclamation grade to ensure that storm runoff is directed away from this unstable areas and onto gentle, well vegetated, stable topography. The implementation of these best management practices (BMPs) as well as compliance with the specific erosion control and surface erosion prevention practices included in the Reclamation Plan and Plan of Operations will reduce to a level of "less than significant," any potential effects of landslides.

Mitigation M-2:

1. Prior to any construction activity the applicant shall submit an "Engineered Grading and Erosion Control Plan" to the Planning Division, Building Division and the Land Use Division of the Department of Public Works for review and approval. The grading element of the plan shall conform with the provisions of the Uniform Building Code (UBC) and the recommendations and mitigation measures of the Geologic Report. The erosion control element of the plan shall incorporate Best Management Practices (BMP's) for Erosion and Sediment Control (ESC) and Contractor Activities (CA) as identified in the California Storm Water Best Management Practice Handbook for Construction Activity.

b) Result in substantial soil erosion or the loss of topsoil?

☐ ☒ ☐ ☐

Compliance with the specific erosion control and surface erosion prevention practices and revegetation of the site pursuant to the final reclamation standards included in Section VI of the Reclamation Plan will reduce the potential occurrence of a substantial loss of topsoil or soil erosion from occurring to a level of less than significant. Mitigation: M-2 above.

c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

☐ ☒ ☐ ☐

The geological unit upon which the proposed site is located is stable. However, unstable areas surrounding the site could be exacerbated if not specifically mitigated for in the drainage pattern emanating from the proposed site. Thus, the design of the mining plan and the final contour as well as the resulting drainage pattern, mitigate the potential for increased surface runoff from reaching these areas and accelerating erosion or impacting existing unstable areas. Mitigation: M-2 above.

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

☐ ☐ ☐ ☒

The site is located within an area possessing stable soils.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

☐ ☐ ☐ ☒

A single portable chemical toilet will be provided and maintained by a licensed pumper.

7. HAZARDS AND HAZARDOUS MATERIALS. Would the project:

Potentially Significant	Potentially Significant Unless Mitigation Incorp.	Less Than Significant Impact	No Impact
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a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

☐ ☐ ☐ ☒

No on-site fuel storage is proposed.

- b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

☐ ☐ ☐ ☒

No on-site fuel storage is proposed.

- c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

☐ ☐ ☐ ☒

No hazardous emissions, hazardous materials, substances, or waste are handled or stored at the site.

- d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

☐ ☐ ☐ ☒

The project site is not included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5.

- e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

☐ ☐ ☐ ☒

The nearest airport is located in Fortuna, over seven miles from the project site.

- f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

☐ ☐ ☐ ☒

No private airstrips are known within the vicinity of the project site.

- g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

☐ ☐ ☐ ☒

The project area is located off of public routes; and any private residences have separate access routes.

- h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

☐ ☐ ☐ ☒

Heavy equipment shall be fire-save, i.e. operating under a fire safety plan and equipped with spark arrestors.

8. HYDROLOGY AND WATER QUALITY. Would the project:

- a) Violate any water quality standards or waste discharge require-

Potentially Significant	Potentially Significant Unless Mitigation Incorpor.	Less Than Significant Impact	No Impact
☐	☒	☐	☐

ments?

The project is mitigated by strict adherence to the site contour plan, which proposes a final contour that possesses slopes in accordance with acceptable standards, specific erosion control and surface erosion prevention practices, and revegetation practices associated with reclamation. Thus, the potential for sediment introduction from the project area into waters of the state is mitigated through Best Management Practices (BMPs) within applicable section of the Reclamation Plan.

Mitigation M-2:

1. Prior to any mining activity the applicant shall submit an "Engineered Grading and Erosion Control Plan" to the Planning Division, Building Division and the Land Use Division of the Department of Public Works for review and approval. The grading element of the plan shall conform with the provisions of the Uniform Building Code (UBC) and the recommendations and mitigation measures of the Geologic Report. The erosion control element of the plan shall incorporate Best Management Practices (BMP's) for Erosion and Sediment Control (ESC) and Contractor Activities (CA) as identified in the California Storm Water Best Management Practice Handbook for Construction Activity.

- b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)? ☐ ☐ ☐ ☒

No uses of groundwater supplies near the site are proposed. The topographical setting, as well as the proposed reclamation grade, preclude the interception of groundwater during surface mining activities.

- c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site? ☐ ☐ ☒ ☐

There are no streams or watercourses directly associated with the project site. Water that naturally falls onto the project site mostly percolates into the ground. Minor amounts of water may run off the project site during the most intense storm events. The proposed drainage pattern has been designed to blend into the natural topography and is a slight alteration from that of the existing drainage pattern. The site contour plan is designed to disperse any possible surface flow to a well vegetated buffer on stable topography. This alteration is minor and is proposed to reduce storm runoff concentrations on to unstable areas.

- d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site? ☐ ☐ ☒ ☐

The proposed project does not have any watercourses within its boundaries, nor does it propose any watercourse diversions or alterations. The surface area of the site capable of collection storm runoff is less than 3 acres in size, and will drain onto gentle, well vegetated, stable slopes.

- e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff? ☐ ☐ ☐ ☒

The proposed project will not contribute additional runoff to existing or planned stormwater drainage systems or

provide substantial additional sources of polluted runoff.

- f) Otherwise substantially degrade water quality? ☐ ☐ ☒ ☐

Adherence to the site control plan, and standards for resoiling, revegetation and drainage, and erosion control practices (see Mitigation M-2) will reduce any potential degradation of water quality.

- g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map? ☐ ☐ ☐ ☒

No housing or structures are being proposed.

- h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows? ☐ ☐ ☐ ☒

The project site is located well above any 100-year flood hazard area.

- i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam? ☐ ☐ ☐ ☒

No levee or dam construction is associated with the proposed project.

- j) Inundation by seiche, tsunami, or mudflow? ☐ ☐ ☐ ☒

The project is not located within an area that would be subject to inundation by standing ocean waves or mudflows.

9. LAND USE AND PLANNING. Would the project:

Potentially Significant Potentially Significant Unless Mitigation Incorp. Less Than Significant Impact No Impact

- a) Physically divide an established community? ☐ ☐ ☐ ☒

The project is located in a sparsely developed rural setting. No new access routes are proposed.

- b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect? ☐ ☐ ☐ ☒

The project is located within a parcel zoned as Timber Production Zone and the General Plan designation is Timber Production. In the past, the County has determined that surface mining and Reclamation Plans are compatible uses within these zones and designations. The subject area is considered to offer low to moderate agriculture and timber production and will offer the same if not enhanced opportunities once reclaimed.

- c) Conflict with any applicable habitat conservation plan or natural community conservation plan? ☐ ☐ ☐ ☒

The proposed project is not within or in the vicinity of an area regulated by an approved habitat conservation plan

or natural community plan. The subject property which contains Site III timberland was logged under Timber Harvest Plan (THP) 1-89-573 HUM in 1990. The site had been clear cut 45 years previously. The THP was approved with an addendum requesting a Conversion Exemption of less than 3.0 acres for the development of the quarry. The log landing area used under the THP was subsequently used for stockpiling, sorting and loading activities. Because a THP was approved for the property and because the actual quarry site is not suitable for timber growing, staff believes the project will not significantly affect the productivity or acreage of timberlands.

10. MINERAL RESOURCES. Would the project:

	Potentially Significant	Potentially Significant Unless Mitigation Incorp.	Less Than Significant Impact	No Impact
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒

The mineral resources available on-site are not unique to the area. The final reclamation will have no effect on future mining opportunities in this area.

b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒
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The project site is not delineated as a locally important mineral resource recovery site within the Humboldt County General Plan.

11. NOISE. Would the project result in:

	Potentially Significant	Potentially Significant Unless Mitigation Incorp.	Less Than Significant Impact	No Impact
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐

The project site is located in an undeveloped rural area and the nearest residence is approximately 3 miles distant. The project does involve blasting, however, the intensity and duration of operations are expected to be low and fall within the range consistent with other types of extractive uses, such as timber operations. The quarry has operated for ten years without significant noise impacts. Expected noise levels at the nearest neighboring residence are expected to be at a level at which a normal conversation takes place. Drilling and blasting will occur infrequently for the life of the project. Blasting will add short very infrequent noises at a level of 100 dBA at 50 feet from the source. Instantaneous noise levels from blasting will decrease to approximately 80 dBA 500 feet away and 65 to 70 dBA within one half mile. As the nearest residences are several miles from the source, it is not anticipated blasting will exceed noise standards of the general plan.

b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
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As previously stated, the intensity and duration of operations are expected to be at a low level. In addition, a dense stand of young growth timber buffers the site from its nearest neighbor. Elevated noise levels are anticipated for the equipment operator(s) only (from the loader and dump truck). The operation will only infrequently involve blasting or drilling.

c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☐	☒	☐
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The operation is expected to be consistent with the historical operations at the site. Typically this consists of three equipment operators running an excavator, cat and loader to load the dump trucks and then deliver the load. This would occur repeatedly throughout a working day with periods of inactivity occurring between deliveries for varying lengths of time depending upon the distance of the delivery. The equipment-related noise ranges up to approximately the 85 dBA level at 50 feet. This noise will decrease to about 40-45 dBA at 1000 feet away. The closest residence is believed to be well over one mile away.

- d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project? ☐ ☐ ☒ ☐

Temporary and periodic increases in ambient noise levels will occur at the project site as a result of initiating the mining activities under an approved Reclamation Plan. However, these increases are assessed as being less than substantial and consistent with the periodic noise level increases generated by road maintenance activities, and timber harvesting activities.

- e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? ☐ ☐ ☐ ☒

The proposed project is not located within an airport land use plan or within two miles of a public airport.

- f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels? ☐ ☐ ☐ ☒

The proposed project is not located within the vicinity of a private airstrip.

12. POPULATION AND HOUSING. Would the project:

- | | Potentially Significant | Potentially Significant Unless Mitigation Incorpor. | Less Than Significant Impact | No Impact |
|---|--------------------------|---|------------------------------|-------------------------------------|
| a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? | ☐ | ☐ | ☐ | ☒ |

The proposed project will not produce any significant growth inducing impacts. Aggregate extraction is normally driven by growth, not vice versa. Growth inducing impacts are generally caused by projects that have a direct or indirect affect on economic growth, population growth, or when the project taxes community service facilities which require upgrades beyond the existing remaining capacity. No services or utilities are being required to be extended to the site.

- b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere? ☐ ☐ ☐ ☒

The proposed project will not displace existing housing.

- c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere? ☐ ☐ ☐ ☒

The proposed project will not displace people.

13. PUBLIC SERVICES.

	Potentially Significant	Potentially Significant Unless Mitigation Incorp.	Less Than Significant Impact	No Impact
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
i. Fire protection?	☐	☐	☐	☒
ii. Police protection?	☐	☐	☐	☒
iii. Schools?	☐	☐	☐	☒
iv. Parks?	☐	☐	☐	☒
v. Other public facilities?	☐	☐	☐	☒

No additional facilities or extension of existing facilities or increased demand for services are required for the proposed project.

14. RECREATION.

	Potentially Significant	Potentially Significant Unless Mitigation Incorp.	Less Than Significant Impact	No Impact
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

The proposed project is located within a private remote ownership. The project area is within an existing timber site and does not afford recreational opportunities in its current state.

No recreational facilities or development consistent with the need for recreational facilities are being proposed.

15. TRANSPORTATION/TRAFFIC. Would the project:

	Potentially Significant	Potentially Significant Unless Mitigation Incorp.	Less Than Significant Impact	No Impact
a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?	☐	☐	☒	☐
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	☐	☐	☒	☐

The proposed operation will primarily be a small scale operation., The duration/intensity of operations will be on average very low with only minor/less than significant impacts on traffic (5 truck trips per day when in operation).

Traffic levels associated with the project are well within the historical levels (e.g. with timber operations) associated with this site.

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks? | ☐ | ☐ | ☐ | ☒ |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Not applicable to the proposed project.

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? | ☐ | ☐ | ☐ | ☒ |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

No new roads are proposed for construction at the site and the current access road intersects the County road at an area with good, unobstructed viewing distances.

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| e) Result in inadequate emergency access? | ☐ | ☐ | ☐ | ☒ |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Emergency access could be obtained through the private road which accesses the site.

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| f) Result in inadequate parking capacity? | ☐ | ☐ | ☐ | ☒ |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Ample parking and room for equipment staging currently exists at the site.

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)? | ☐ | ☐ | ☐ | ☒ |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

No foreseeable impacts to any such policies, plans or programs supporting alternative transportation can be reasonably perceived as a result of the project.

16. UTILITIES AND SERVICE SYSTEMS. Would the project:

- | | Potentially Significant | Potentially Significant Unless Mitigation Incorp. | Less Than Significant Impact | No Impact |
|---|--------------------------|---|------------------------------|-------------------------------------|
| a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board? | ☐ | ☐ | ☐ | ☒ |

The project will not generate wastewater due to the fact that no water is used in the excavation, processing or loading processes. Water application for dust abatement is quickly soaked into the ground on-site.

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | ☐ | ☐ | ☐ | ☒ |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Portable chemical toilets will be provided and maintained by a licensed pumper. The use and maintenance of the portable sanitary facility will comply with all state and county regulations pertaining to this type of facility.

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | ☐ | ☐ | ☐ | ☒ |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

No new storm water facilities or expansion of existing facilities are proposed or needed for the project.

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitle- | ☐ | ☐ | ☐ | ☒ |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

ments needed?

Safe drinking water for the worker(s) consumption will be supplied by the worker(s) themselves. The quarry operations will predominantly consist of just a few workers.

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? | ☐ | ☐ | ☐ | ☒ |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Not applicable to the current project.

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs? | ☐ | ☐ | ☐ | ☒ |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

No solid waste is generated on site.

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| g) Comply with federal, state, and local statutes and regulations related to solid waste? | ☐ | ☐ | ☐ | ☒ |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

No solid waste is generated on site.

17): Mandatory Findings of Significance

Findings: The proposal will not have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory; potential to achieve short-term, to the disadvantage of long-term, environmental goals; impacts which are individually limited, but cumulatively considerable. ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects); or environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly.

Discussion:

17. MANDATORY FINDINGS OF SIGNIFICANCE.

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Signif-
icant | Potentially
Significant
Unless
Mitigation
Incorp. | Less
Than
Signifi-
cant
Impact | No
Im-
pact |
|---|--------------------------------------|---|--|--------------------------|
| a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop be- | ☐ | ☐ | ☒ | ☐ |

low self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of major periods of California history/prehistory?

Potential project impacts have been mitigated during the planning stage of the proposal. The largest potential for impact would be from resulting increases in sedimentation to watercourses from the project area. Consequently, the project was designed to preclude the concentration of surface runoff from entering streams or erodable areas.

There are no known mechanisms by which the project would substantially reduce the habitat of a fish or wildlife species or cause a fish or wildlife population to drop below self-sustaining levels. As noted in Section 4. Biological Resources, the project site of 2.5 acres does not represent a significant amount of habitat of fish and wildlife species, and ultimately the site will be reclaimed and revegetated to forest habitat.

The project will not restrict or reduce the range or number of rare or endangered plants or animals. As noted in Section 4. Biological Resources, the project site of 2.5 acres does not represent a development which would significantly restrict the range of rare or endangered plants or animals. The project is not expected to have an impact on spotted owl habitat in the area as determined in the Non-Industrial Timber Management Plan (NTMP) which includes the project site.

Important examples of California history or prehistory do not exist on the site as determined by a Cultural Resources survey prepared as part of the NTMP.

Mitigation: Please refer to the mitigation contained in Section 4, Biological Resources Section. No additional mitigation is required for the impact categories of habitat reduction, and restriction or reduction of range or number of range or endangered species.

- b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

☐ ☐ ☒ ☐

The surface mining activities and final reclamation of the site have no collective impact greater than any individual component.

The proposed development does not include any short-term impacts which are to the detriment of long-term environmental goals. The project is designed and mitigated with these long-term goals in mind. The ultimate reclamation of the site will be beneficial in all cases when viewed in a context with past, present, and future projects. The proposed project is consistent with the general or community plan developed for the area.

The project has been reviewed in the context of all other recent discretionary approvals in the surrounding area, in the context of conformance with the applicable general plan or community plan policies and standards, and in the context of future developments which are known at the time of project review. As part of this review, the project has been determined to be consistent with the long term goals of the general plan by virtue of consistency with the provisions of the general plan designation and zoning. The project represents conditionally permitted development in the context of the general and/or community plans.

General Plan Consistency:

Please refer to the project staff report, which is incorporated here by reference, for an analysis of consistency with general plan policies and standards. Consistency with these policies and standards assures to a large degree that potential community-wide impacts are addressed in a cumulative manner within the context of the community or general plan and its companion environmental document. The project site is located on a large parcel which is zoned and surrounded by timberlands. Other than extractive uses for gravel and timber harvesting, there is no additional development potential for the site under the current land use and zoning.

Cumulative Impact Project List:

The following recent projects or known proposed projects were considered as part of this cumulative impacts analysis:

1. CUP-11-91/SMR-01-91 - Approved 7-30-91; Previous conditional use permit and reclamation plan for surface mining on the subject parcel. A "conditional negative declaration" was adopted for this authorization. No mitigation other than the conditions of the use permit were required for this permit.
2. Non-Industrial Timber Management Plan 1-95NTMP-014 HUM, approved Feb. 14, 1996. Covers timber harvesting activities on two separate properties known as the Salmon Creek Unit and the McCann Unit and provides for long term sustained yield, allowable cut and other management decisions based on combined volumes and growth of the two areas. This document includes a report prepared by Galea Wildlife Consulting entitled "Possible Cumulative Effects of Walsh - Salmon NTMP Upon Wildlife Species" which is incorporated here by reference.

The current project site, with is identical to that of item 1 and a small subset of that of item 2 is not anticipated to have any significant cumulative effects in addition to those previously identified.

As evidenced throughout this document, the proposed project as mitigated, does not:

- (1) have the potential to degrade the quality of the environment in a cumulative manner;

The project does have impacts which by nature are potentially cumulative. These include: increased traffic, increased soil erosion from the site, increased storm water runoff, increased noise and light, and the increase in particulate matter.

The potential increase in traffic is not cumulatively significant because the proposed project and all projects listed in the cumulative impact project list do not cumulatively result in a significant change in level of service for public roads as identified in the general plan environmental document and the traffic analysis contained in Section 15. of this document. Because the site is remote resource lands surrounded by timberlands, there is little or no potential for additional development under the current general plan other than current uses of timber harvesting and gravel extraction.

The potential increase in soil erosion and storm water runoff is not cumulatively significant because the proposed project and all projects listed in the cumulative impact project list do not cumulatively result in a significant change in level of storm water impacts as identified in the general plan environmental document and the hydrology analysis contained in Section 8. of this document. Because the site is remote resource lands surrounded by timberlands, there is little or no potential for additional development under the current general plan other than current uses of timber harvesting and gravel extraction.

The potential increase in noise and light is not cumulatively significant because the proposed project and all projects listed in the cumulative impact project list do not cumulatively result in exceeding the noise levels identified in the general plan environmental document and the noise analysis contained in Section 11. of this document. This project and all projects on the cumulative impact project list have

been mitigated as far as light impacts to be cumulatively insignificant. Typically, discretionary projects are conditioned with a requirement that lighting be shielded so as not to extend beyond the boundaries of the project area. Noise level were not identified as a significant impact category in the current project or any of the projects listed above under the cumulative impact project list.

The potential increase in air quality impacts (particulates) is not cumulatively significant because the proposed project and all projects listed in the cumulative impact project list do not cumulatively result in exceeding the threshold of significance for this category as determined by referral to the North Coast Air Quality Management District. Air quality impacts for the current project and all project listed for the cumulative analysis have individually been mitigated to levels of insignificance and cumulatively as mitigated are not considered to be a significant contributor. Please refer to the air quality analysis contained in Section 3. of this document.

Based on the planned land use and zoning of the parcel, the potential environmental effects of these designations analyzed in the general/community plan review, and the recommended mitigation, the cumulative environmental effects of these categories are considered less than significant.

(2) substantially reduce the habitat of a fish or wildlife species;

Please refer to section 4. Biological Resources. The potential impacts identified in this section have been mitigated to a level of insignificance. These potential residual (insignificant) impacts and any potential residual impacts of all project listed above in the Cumulative Impact Project List have been reviewed for the potential to have a cumulative effect. The cumulative effects of all these projects on reduction of habitat for fish and wildlife species is considered to be insignificant because the project site is but a small area included in the Non-Industrial Timber Management Plan which includes a cumulative impact analysis on fish and wildlife habitat and species. Because of the small area and non occurrence of such species in the project area, the current project is not expected to result in cumulative impacts.

(3) cause a fish or wildlife population to drop below self sustaining levels;

Please refer to section 4. Biological Resources. The potential impacts identified in this section have been mitigated to a level of insignificance. These potential residual (insignificant) impacts and any potential residual impacts of all project listed above in the Cumulative Impact Project List have been reviewed for the potential to have a cumulative effect. The cumulative effects of all these projects on reduction in populations for fish and wildlife species is considered to be insignificant because the project site is but a small area included in the Non-Industrial Timber Management Plan which includes a cumulative impact analysis on fish and wildlife habitat and species. Because of the small area and non occurrence of such species in the project area, the current project is not expected to result in cumulative impacts.

(4) threaten to eliminate a plant or animal community;

Please refer to section 4. Biological Resources. The potential impacts identified in this section have been mitigated to a level of insignificance. These potential residual (insignificant) impacts and any potential residual impacts of all project listed above in the Cumulative Impact Project List have been reviewed for the potential to have a cumulative effect. The cumulative effects of all these projects on elimination of a plant or animal community is addressed in the NTMP. The current project will have no cumulative impacts in addition to those that are previously addressed. Ultimately the project site will be reclaimed and revegetated to the benefit of plant and animal communities.

(5) reduce the number or restrict the range of a rare or endangered plant or animal; Please refer to section 4. Biological Resources. As the project is not anticipated to have any impacts to rare or endangered plant or animal species, there is no potential for cumulative impacts to this category of resource.

(6) eliminate important examples of the major periods of California history or prehistory. Please refer to section 5. Cultural Resources. As the project is not anticipated to have any impacts to cultural or historical resources, there is no potential for cumulative impacts to this category of resource.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly? ☐ ☐ ☒ ☐

The proposed project will not cause cumulative adverse effects to human beings, either directly or indirectly. The proposed project is not expected to cause substantial adverse effects on human beings. The project will not generate uses which would be expected to cause adverse effects on people. Many potential sources of possible risks are related to physical or environmental concerns, including geologic hazards, traffic hazards, fire hazards and water related hazards such as flooding. These concerns have been addressed in the analysis contained in the staff report for the project, which is incorporated here by reference.

18. DISCUSSION OF MITIGATION MEASURES, MONITORING, AND REPORTING PROGRAM

The Department found that the project could result in potentially significant adverse impacts unless mitigation measures are required. A list of Mitigation that addresses and mitigates potentially significant adverse impacts to a level of non-significance follows. Additional details regarding mitigation for reclamation of the site can be found in the Reclamation Plan.

Mitigation:

M-1. The on-site haul road shall be watered to reduce dust emissions and potential wind erosion of the soils; Apply water to disturbed land surfaces at a frequency high enough to maintain soil cohesion and to reduce blowing dust to the extent practicable. The operator shall maintain a log identifying the day and time and the amount of water applied to maintain dust control. The log shall be kept on the project site and shall be presented for review by county or other agency personnel upon request.

Mitigation:

M-2. Prior to any construction activity the applicant shall submit an "Engineered Grading and Erosion Control Plan" to the Planning Division, Building Division and the Land Use Division of the Department of Public Works for review and approval. The grading element of the plan shall conform with the provisions of the Uniform Building Code (UBC) and the recommendations and mitigation measures of the Geologic Report. The erosion control element of the plan shall incorporate Best Management Practices (BMP's) for Erosion and Sediment Control (ESC) and Contractor Activities (CA) as identified in the California Storm Water Best Management Practice Handbook for Construction Activity.

19. EARLIER ANALYSES.

Earlier analysis may be used where, pursuant to the tiering, program EIR, or other CEQA process, one or more effects have been adequately analyzed in an earlier EIR or negative declaration. Section 16063(c)(3)(D). In this case a discussion should identify the following on attached sheets:

- a) Earlier analyses used. Identify earlier analyses and state where they are available for review.
 - 1. Humboldt County General Plan
 - 2. Humboldt County Zoning Ordinance
 - 3. The Reclamation Plan for this quarry site, including Performance Standards for the site.
 - 4. Non-Industrial Timber Management Plan for the Salmon Creek Unit.
 - 5. Conditional Mitigated Negative Declaration for CUP-11-91, the previous surface mining conditional use permit issued for the project site, and adopted 7-30-91

Items 1 through 5 are available for review at Humboldt County Planning Division.

- b) Impacts adequately addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards,

and state whether such effects are addressed by mitigation measure based on a the earlier analysis.

See 19.a above

c) Mitigation measures. For effects that are "Less than Significant with Mitigation Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

See 19.a above

Attachment 5

Referral Agency Comments and Recommendations

All referral agencies that the proposed project was sent to for review and comment are listed below. Those agencies that provided written comments are checked off.

Referral Agency	Response	Recommendation	Attached	On File
County Building Inspection	X	Approval		X
County Public Works, Land Use Division Memorandum dated February 10, 2017	X	Conditional approval	X	
County Division of Environmental Health	X	Approval		X
Office of Mine Reclamation	X	Conditional Approval	X	
NWIC	X	Recommend study	X	
Calfire	X	Conditional Approval	X	
California Department of Fish and Wildlife				
North Coast Regional Water Quality Control Board				
Wiyot Tribe	X	Conditional Approval	X	
Bear River Band of the Rohnerville Rancheria	X	Conditional Approval	X	



ARCATA-EUREKA AIRPORT TERMINAL
MCKINLEYVILLE
FAX 839-3596

AVIATION

839-5401

DEPARTMENT OF PUBLIC WORKS

COUNTY OF HUMBOLDT

MAILING ADDRESS: 1106 SECOND STREET, EUREKA, CA 95501-0579
AREA CODE 707

PUBLIC WORKS BUILDING
SECOND & L ST., EUREKA
FAX 445-7409

ADMINISTRATION
BUSINESS
ENGINEERING
FACILITY MAINTENANCE

445-7491
445-7652
445-7377
445-7493

NATURAL RESOURCES
NATURAL RESOURCES PLANNING
PARKS
ROADS & EQUIPMENT MAINTENANCE

445-7741
267-9540
445-7651
445-7421

CLARK COMPLEX
HARRIS & H ST., EUREKA
FAX 445-7388

LAND USE

445-7205



LAND USE DIVISION INTEROFFICE MEMORANDUM

TO: Michael Wheeler, Senior Planner, Planning & Building Department
FROM: Kenneth M. Freed, Senior Engineering Technician
DATE: 02/10/2017
RE: WALSH TIMBER CO., APN 311-081-005, SMP 17-001, RP17-001, CUP 17-014

The Department is requesting that all new surface mining permits, and extensions of existing surface mining permits comply with the following:

All on-site and off-site access roads (both County-maintained and non-County maintained) shall be suitable for truck traffic. In general, roads must meet Category 4 road standards in being at least 18 feet in width when 2-way traffic is expected. In addition, a 4 foot wide shoulder is necessary when pedestrians are expected. However, 2-way traffic on a single lane road (Category 2 road) may be appropriate when a road serves only the mining operation and when no other parcels of land use the road for access. Access roads and driveways not meeting the above standards must be improved to those standards, unless otherwise approved by the Department.

In lieu of constructing road improvements, the Department may approve a neighborhood traffic management plan. The Department's criteria for approving a neighborhood traffic management plan is based upon site specific conditions; sound engineering judgment; the ADT and DHV of the roads; the need to accommodate other road users (pedestrians, bicycles, equestrians, etc); the time period in which haul-off of material will be done; and the frequency and quantity of trucks.

Entrances from "private" roads or driveways onto paved County maintained roads must be paved for the first 50 feet (roads) and the first 25 feet (driveways). The roads and driveways at the intersection of the County maintained road must meet the standards set forth in the County Visibility Ordinance.

Prior to constructing any improvements on any road within the County Maintained Road System, an encroachment permit must be issued from this Department.

Also, please refer to the attached letter from Director Will Kempton of the California Department of Transportation dated 09/30/2008. The letter indicates that is critical to increase California's permitted aggregate resource reserves. The letter also states that upon request, staff from the local District Office will be made available to attend public meetings and speak on the importance of increasing California's aggregate supply.

Attachment:

- 09/30/2008 letter from Will Kempton, Director, California Department of Transportation

// END //



State of California • Natural Resources Agency
Department of Conservation
Division of Mine Reclamation
801 K Street • MS 09-06
Sacramento, CA 95814
(916) 323-9198 • FAX (916) 445-6066

Edmund G. Brown Jr., Governor
Pat Perez, Supervisor

April 11, 2017

VIA EMAIL: mwheeler@co.humboldt.ca.us
ORIGINAL SENT BY MAIL

Mr. Michael Wheeler
Humboldt County Planning and Building Department
3015 H Street
Eureka, CA 95501

WALSH QUARRY, CA MINE ID# 91-12-0036
RENEWAL OF RECLAMATION PLAN AND CONDITIONAL USE PERMIT

Dear Mr. Wheeler:

The Division of Mine Reclamation (DMR) reviewed the conditional use permit renewal submittal for the Walsh Quarry. The submittal included a Conditional Use Permit (CUP17-014), Surface Mining Permit (SMP17-001), Reclamation Plan (RP17-001), an Addendum to a Mitigated Negative Declaration and a Financial Assurance Cost Estimate. The surface mining operation is located in the Salmon Creek area of Humboldt County, which is approximately 3 miles northeast of Fortuna, on Assessor's Parcel Number 311-081-005.

The applicant and current operator, Walsh Timber Company, is proposing to renew the 15-year permit term for the previously approved surface mining operation. The operation generally consists of an open pit upland rock quarry, intermittent drilling and blasting, and the use of heavy construction and processing equipment. Surface mining operations are planned for approximately 3 acres of an 86-acre parcel and extraction of about 90,000 cubic yards of aggregate over a 15-year period.

DMR does not have any comments on the proposed permit and reclamation plan renewal. DMR will provide comments on the Financial Assurance Cost Estimate under separate cover.

If you have any questions on these comments or require any assistance, please contact DMR staff at (916) 323-9198.

Sincerely,

Beth Hendrickson, Manager
Environmental Services Unit

Paul Fry, Manager
Engineering Geology Unit



April 11, 2017

Mr. Michael E. Wheeler
Planning and Building Department
County of Humboldt
3015 H Street
Eureka, CA 95501

Dear Mr. Wheeler:

WALSH QUARRY, CA MINE #91-12-0036
FINANCIAL ASSURANCE COST ESTIMATE

The Division of Mine Reclamation (DMR) received a Financial Assurance Cost Estimate (FACE), dated February 2, 2017 in the amount of \$16,502.91 for the Walsh Quarry operated by Walsh Timber Company. The surface mining operation is located in the Salmon Creek area of Humboldt County, which is approximately 3 miles northeast of Fortuna, on Assessor's Parcel Number 311-081-005.

The County of Humboldt is the Surface Mining and Reclamation Act of 1975 (SMARA) lead agency for this surface mining operation and has submitted the FACE pursuant to Public Resources Code (PRC) Section 2773.4. That section provides that the DMR has 45 days from receipt of the FACE to prepare written comments. DMR understands that the operator is currently in the process of renewing the conditional use permit for the quarry with the County.

DMR Comments:

DMR staff reviewed the approved Reclamation Plan and employed concepts from the State Mining and Geology Board's (SMGB) "Financial Assurance Guidelines" and relevant sections from SMARA statutes and regulations in preparation of this FACE comment letter. DMR offers the following comments for use by the County in determining adequacy and approval of the Financial Assurances for the Walsh Quarry.

- The FACE contains insufficient details. Some of the unit costs have equipment costs and operator costs combined into a single cost. The FACE should specify the equipment rates and labor rates used to determine these unit costs. (*California Code of Regulations (CCR) Section 3804, SMGB Financial Assurance Guideline #8 and Appendix A and A-1*)
- The County should consider the application of prevailing wage rates in calculating the FACE. In the event of forfeiture, either the local lead agency, or the state must contract with third-party entities to perform reclamation, so that the expenditure of forfeited financial assurances is subject to the requirements of California Prevailing Wage Law. In the event of the state conducting reclamation on behalf of a local lead agency under forfeiture conditions, the state's awarding of contracts for reclamation would be subject to prevailing wage requirements. Public Resources Code Section 2773.1(d) expressly provides for this possibility.
- Under Primary Reclamation Activities, the production rate should be noted for the equipment being utilized to perform the task. For example, the production rate for a Cat D7 crawler based on the Caterpillar Performance Handbook (January 2017, p. 19-53) is

300 cubic yards per hour for a dozing distance of 200-feet. Neither piece of equipment (D7R or 966H) has a production rate indicated. (CCR Section 3804, SMGB Financial Assurance Guideline #8 and Appendix A and A-1)

- Under Primary Reclamation Activities, the haul distance for grading activities should be estimated from the location of the material, such as stockpiles, to its final disposition at the mine. (CCR Section 3804, SMGB Financial Assurance Guideline #8 and Appendix A and A-1)
- The quantity and grading of overburden is not listed in the FACE. The reclamation plan indicates a final slope ratio for the cut slopes will be close to 1:1 and fill slopes will be at a ratio of 2:1 (h:v). The geologic report by LACO Associates (February, 2017) indicates that current slope ratios range from 0.5:1 (h:v) on the cut slopes to near level in the pit bottom. In order to achieve the reclamation goals, it appears that overburden will have to be graded and should be included in the FACE. (CCR Section 3804, SMGB Financial Assurance Guideline #8 and Appendix A and A-1)
- Under Revegetation, Section C, Materials, the seed mix listed is "State Mix - common barley and rye." This is not consistent with the seed mix in the approved reclamation plan, which is composed of hybrid wheatgrass (*Agropyron x triticum*) and blue wildrye (*Elymus glaucus*). The cost of the seed mix as specified in the reclamation plan should be provided in the FACE, and should be verified with a quote from a seed company.
- Also under Revegetation - Materials, conifers (Douglas fir or redwood) are listed as being planted from seed, with a cost for 8,000 seeds. Conifer trees for timber harvest are planted as seedlings, not from seed, either in small containers ("plugs", "tubelings") or as bare root stock. The entry should be revised to include costs for a specific number of seedlings of Douglas fir and/or redwood. As stated in the reclamation plan: "Final revegetation will include planting with conifers (Douglas fir or redwood) in sufficient quantity to meet stocking requirements". The number of seedlings planted should be adequate to meet typical stocking requirements for the area or as required by the Timber Harvest Plan (THP), stated as x number of trees per acre and allowing for some mortality. The cost should be verified with a quote from a nursery or other source. Labor costs for installing the tree seedlings should also be added to Section B, Labor.
- The indirect costs of Supervision and Profit/Overhead are missing and should be included in the FACE. (CCR Section 3804, SMGB Financial Assurance Guideline #8 and Appendix A and A-1)

DMR recommends revision of the FACE. Per SMARA section 2773.4(d)(5)(B), the lead agency has 30 days to evaluate the comments and to provide its proposed response to DMR and to the operator. The proposed response must include a description of how the lead agency proposes to adopt DMR's comments, or the reasons why it chose not to adopt them. The proposed response is to be submitted to DMR at least 30 days prior to the lead agency approving the FACE. The lead agency shall provide DMR its final response within 30 days after approval of the FACE.

Mr. Michael E. Wheeler
April 11, 2017
Page 3

If you have any questions, please contact Mr. Brandon Badeker at (916) 322-0980. I may also be contacted at 916-324-0681.

Sincerely,

A handwritten signature in blue ink, appearing to read "Paul Fry", with a stylized flourish at the end.

Paul Fry, Manager
Engineering Geology Unit

CALIFORNIA
HISTORICAL
RESOURCES
INFORMATION
SYSTEM



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CONTRA COSTA
DEL NORTE

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SAN MATEO
SANTA CLARA
SANTA CRUZ
SOLANO
SONOMA
YOLO

Northwest Information Center
Sonoma State University
150 Professional Center Drive, Suite E
Rohnert Park, California 94928-3609
Tel: 707.588.8455
nwwic@sonoma.edu
<http://www.sonoma.edu/nwwic>

February 23, 2017

File No.: 16-1232

Planning Commission Clerk
County of Humboldt
Planning and Building Department
3015 H Street
Eureka, CA 95501
PlanningClerk@co.humboldt.ca.us

re: County File Numbers SMP17-001, CUP17-014, RP17-001 / APN 311-081-05 / Walsh Timber Co. (Heidi Beauchamp) / Michael Wheeler

Dear Mr. Wheeler:

Records at this office were reviewed to determine if this project could adversely affect cultural resources. Please note that use of the term cultural resources includes both archaeological sites and historical buildings and/or structures. The review for possible historic-era building/structures, however, was limited to references currently in our office and should not be considered comprehensive.

The proposed project entails the renewal of a 15-year permit for a previously approved rock quarry surface mining operation, to include a Conditional Use Permit, Surface Mining Permit, Reclamation Plan with a proposed total extraction of 90,000 cubic yards over a 15-year period from an open pit mine. Methods will include the use of explosives and an air track drill, in addition to loading and hauling equipment.

Previous Studies:

XX This office has no record of any previous cultural resource studies for the proposed project area (see recommendation below).

Archaeological and Native American Resources Recommendations:

XX Based on an evaluation of the environmental setting and features associated with known sites, Native American resources in this part of Humboldt County have been found near watercourses and bodies of water and near areas with access to salmon and other fish, as well as large game. The proposed project area is located downslope from a forested ridgeline, near a fork of Salmon Creek and in proximity to multiple other creeks and drainages. We therefore recommend that a qualified archaeologist conduct further archival and field study to identify cultural resources in all portions of the project area, including access roads. Field study may include, but is not limited to, hand auger sampling, shovel test units, or geoarchaeological analyses as well as other common methods used to identify the presence of

archaeological resources. Please refer to the list of consultants who meet the Secretary of Interior's Standards at <http://www.chrisinfo.org>.

XX We recommend that the lead agency contact the local Native American tribe(s) regarding traditional, cultural, and religious heritage values. For a complete listing of tribes in the vicinity of the project, please contact the Native American Heritage Commission at (916) 373-3710.

Built Environment Recommendations:

XX Since the Office of Historic Preservation has determined that any building or structure 45 years or older may be of historical value, if the project area contains such properties, it is recommended that prior to commencement of project activities, a qualified professional familiar with the architecture and history of Humboldt County conduct a formal CEQA evaluation.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the California Historical Resources Information System (CHRIS) Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

The California Office of Historic Preservation (OHP) contracts with the California Historical Resources Information System's (CHRIS) regional Information Centers (ICs) to maintain information in the CHRIS inventory and make it available to local, state, and federal agencies, cultural resource professionals, Native American tribes, researchers, and the public. Recommendations made by IC coordinators or their staff regarding the interpretation and application of this information are advisory only. Such recommendations do not necessarily represent the evaluation or opinion of the State Historic Preservation Officer in carrying out the OHP's regulatory authority under federal and state law.

For your reference, a list of qualified professionals in California that meet the Secretary of the Interior's Standards can be found at <http://www.chrisinfo.org>. If archaeological resources are encountered during the project, work in the immediate vicinity of the finds should be halted until a qualified archaeologist has evaluated the situation. If you have any questions, please call our office at (707) 588-8455.

Sincerely,

Jessika Akmenkalns
Researcher

enc: Humboldt County project cover letter
cc: Heidi Beauchamp
2307 S Street
Eureka, CA 95501

Wheeler, Michael

From: Erika Cooper <erikacooper@brb-nsn.gov>
Sent: Monday, March 13, 2017 3:33 PM
To: Tom
Cc: Wheeler, Michael; Planning Clerk; Janet Eidsness; Janet Eidsness
Subject: Re: Walsh Timber Company Rock Quarry

Michael,

I am not aware of any cultural resource in the vicinity of the Walsh project. I have no specific concerns regarding the project and I recommend that the standard inadvertent discovery language be included as a condition of approval.

Thank you.

On Mon, Feb 13, 2017 at 12:37 PM, Tom <tom@wiyot.us> wrote:

Dear Michael,

Thank you for the notification of the Walsh Timber Company Rock Quarry dated 2/9/17. Since this project is already in existence and does not seem to be in a sensitive location, I recommend the project be conditioned with inadvertent discovery protocols.

Thank you,

Tom

Dr. Thomas Torma

Lhatsik Wadaqoumilh (Cultural Director)

Wiyot Tribe

1000 Wiyot Drive

Loleta, CA 95551

tel. 707.733.5055 ext. 107

cel. 406.850.2220

fax 707.733.5601

<http://wiyot.us/cultural>

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--

Erika Cooper, M.A.
Tribal Historic Preservation Officer
Bear River Band of Rohnerville Rancheria
266 Keisner Road
Loleta, CA 95551
707-733-1900 x233 Office
707-502-5233 Cell
707-733-1727 Fax
erikacooper@brb-nsn.gov

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Wheeler, Michael

From: Moxon, Delilah
Sent: Friday, February 10, 2017 3:33 PM
To: Wheeler, Michael
Subject: FW: 311-081-005-000

Cal Fire response.



Delilah Moxon

County of Humboldt
Building Division
Planning and Building Department
3015 H Street | Eureka, CA 95501
Phone: 707-445-7245 | Fax: 707-445-7446
Email: dmoxon@co.humboldt.ca.us

From: Salazar, Kim@CALFIRE [<mailto:Kim.Salazar@fire.ca.gov>]
Sent: Friday, February 10, 2017 2:08 PM
To: Moxon, Delilah
Subject: APN: 311-081-005-000

STATE OF CALIFORNIA — THE RESOURCES AGENCY

EDMUND G. BROWN, JR., Governor

DEPARTMENT OF FORESTRY AND FIRE PROTECTION

Humboldt – Del Norte Unit
118 Fortuna Blvd.
Fortuna, CA 95540
Website: www.fire.ca.gov
(707) 726-1272



Ref: 7100 Planning
Date: February 10, 2017

John Ford, Director
Humboldt County Community Development Services Department
3015 H Street
Eureka, CA 95501

Attention: Michael Wheeler
Applicant: Walsh Timber Co. / Beauchamp, Heidi
APN: 311-081-005-000
Area: Salmon Creek
Case Numbers: SMP17-001
CUP17-014
RP17-001

Humboldt County Application #: 13445

Type of Application: Surface Mining Permit, Conditional Use Permit, Reclamation Plan

Date Received: 2/10/2017

Due Date: 2/24/2017

Project Description: Renewal of a 15-year permit term for a previously approved rock quarry surface mining operation which has been permitted and operating for the past 25 years. The project includes a Conditional Use Permit, Surface Mining Permit, Reclamation Plan, and a review of financial assurance cost estimates for a surface mining operation involving an open pit upland rock quarry with a proposed total extraction of 90,000 cubic yards over a 15-year period from an open pit mine. The method of surface rock removal will involve these of explosives and an air track drill spaced on an 8' x 10' grid

pattern back from the rock face. Other equipment to be used includes a "cat 966 loader", a "cat D-7 crawler", and a grizzly dry screen sorter. Rock products will be hauled by end-dump trucks. Truck trips are estimated at an average daily traffic increase of five. Aggregate production will be conducted by a three (3) man crew on a demand basis and portable toilet facilities will be provided for on-site employees.

Mr. Ford,

The California Department of Forestry and Fire Protection (CALFIRE) provides these standard project review comments on the above noted project.

FIRE SAFE

General:

CALFIRE has responsibility for enforcement of Fire Safe Standards as required by Public Resources Code (PRC) 4290 and 4291. However CALFIRE is not the lead agency in planning development and project permitting. CALFIRE provides input as a contributing agency, generally limited to plan review, and is not the approving agency for these projects.

Local Responsibility Areas:

Should this project include Local Responsibility Area (LRA) lands, CALFIRE has no direct fire safe input on those parcels. However, in those areas with LRA parcels adjacent to State Responsibility Area (SRA) land, CALFIRE recommends that local standards be applied that are consistent with those CALFIRE makes for SRA lands.

State Responsibility Areas:

Should this project include State Responsibility Area (SRA) lands, the following are CALFIRE's Fire Safe minimum input and recommendation for any and all development.

1. In Humboldt County, developments must meet minimum fire safe standards by constructing the project in conformance with County Code Title III, Division 11, Fire Safe Regulations Ordinance, which the California Board of Forestry and Fire Protection has accepted as functionally equivalent to PRC 4290. The County Fire Safe Regulations Ordinance provides specific standards for roads providing ingress and egress, signing of streets and buildings, minimum water supply requirements, and setback distances for maintaining defensible space.
2. New buildings located in any Fire Hazard Severity Zone within State Responsibility Areas shall comply with the 2007 California Building Code (CBC) Section 701A.3.2. This requires roofing assemblies, attic and eave ventilation, exterior siding, decking and deck enclosure, windows and exterior doors, and exposed under floor areas that are approved "ignition resistive" in design.
3. All development, especially commercial or industrial development, should be designed to comply with the most current versions of the following standards:
 - a) California Fire Code (CFC) — for overall design standards
 - b) Public Utilities Commission (PUC) General Order 103 — for design of water systems
 - c) National Fire Protection Association Standards (NFPA) for fire flow minimums and other design questions not specifically covered by CFC and PUC
 - d) Housing and Community Development Codes and Standards —for mobile home parks and recreational camps
4. For Department of Real Estate reporting purposes, fire protection coverage in SRA is generally described as follows:
 - During the declared fire season (usually June through October) CALFIRE responds to all types of fires and emergencies in SRA. During the remainder of the year (winter period), CALFIRE responds to emergency requests with the closest available fire engine, if a response can reasonably be expected to arrive in time to be effective. A fire engine is usually available somewhere in the Unit, but may have an extended response time.
 - There are many hazards confronting fire protection agencies in most subdivisions on SRA lands. Steep terrain and heavy wildland fuels contribute to fire intensity and spread. The distances from fire stations and road grades encountered usually create an excessive response time for effective structure fire suppression purposes.

- Subdivisions increase fire risks from additional people and increase probable dollar losses in the event of fire due to added structures and improvements.
- 5. If the project expects to produce densities consistent with a major subdivision, the impacts on all infrastructures should be mitigated. Local government more appropriately provides the responsibility for high-density area protection and services. Annexation or inclusion into Local Responsibility Area should be studied as well.
- 6. CALFIRE does not support development in areas where there is no local agency fire service for structure fires and emergency medical response. Fire services should be extended into service gap areas as a condition of development. New development can adversely impact existing fire services. Careful consideration must be given where development may overload the local fire service's ability to respond.

RESOURCE MANAGEMENT

CALFIRE has enforcement responsibility for requirements of the Z'berg—Nejedly Forest Practice Act of 1973. CALFIRE is also the lead agency for those parts of projects involving the scope of the Forest Practice Act. The following basic input will cover the majority of projects. **Each project will be reviewed with additional input sent at a later date, if needed.**

The following comments reflect the basic Resource Management policies of the Board of Forestry and Fire Protection and CALFIRE on CEQA review requests. These policies apply to both Local and State Responsibility Areas.

1. If this project reduces the amount of timberland, by policy, the Board of Forestry and CALFIRE cannot support any project that will reduce the timberland base of California. "Timberland" means land which is available for, and capable of, growing a crop of trees of any commercial species used to produce lumber and other forest products, including Christmas trees regardless of current zoning (PRC 4526). However, if the zoning and intended use are consistent with the county's general plan; and if no land other than timberland can be identified to site the project; then CALFIRE may choose not to oppose the project.
2. If **any** commercial timber operations are involved with a project, the timber operations cannot be conducted without a CAL FIRE permit. Commercial timber operations include the cutting or removal of trees offered for sale, barter, exchange, or trade or the conversion of timberlands to land uses other than the growing of timber (PRC 4527). Contact your nearest CAL FIRE Resource Management office for guidance on obtaining the necessary permits.
3. If **any** timberlands are being converted to a non-timber growing use by this project, the conversion operations cannot be conducted without a CAL FIRE permit (PRC 4621). Conversion of timberland takes place when trees are removed and the land use changes, even without the sale, barter, exchange, or trade of the trees. Contact your nearest CAL FIRE Resource Management office for guidance on obtaining the necessary permits.
4. If timberland is in the viewshed of a project, the current and future owners should be overtly notified that changes will occur to their views due to timber management activities. Further, no project should be allowed to negatively affect access to timberland for timber management purposes; neither on the project parcel(s) nor any other timberland parcels.
5. If timber harvesting has occurred and post-harvest restocking and prescribed erosion control maintenance obligations have not been met on a parcel, future owners should be overtly notified (14 CCR 1042). The current owner of a parcel is responsible for restocking requirements and maintenance of roads whether or not they were involved in the actual harvest plan.
6. If the project involves the development of parcels zoned as Timber Production Zone (TPZ), CALFIRE cannot support the project. Dividing TPZ land into parcels of less than 160 acres requires a Joint Timber Management plan prepared by a Registered Professional Forester (RPF), recorded as a deed restriction for a minimum of 10-years on all affected parcels, and approved by a four – fifths vote of the full board (Govt. Code 51119.5). TPZ may be rezoned using a "Ten Year Phase Out," which precludes the need for a Timberland Conversion Permit. CALFIRE opposes immediate rezoning of TPZ land.

If CALFIRE staff develops additional comment on this project, it will be forwarded in an additional response letter.

By: Planning Battalion
CALFIRE Humboldt – Del Norte Unit

For **Hugh Scanlon**, Unit Chief

From: [Tom](#)
To: [Wheeler, Michael](#); [Planning Clerk](#)
Cc: ["Janet Eidsness"](#); ["Janet Eidsness"](#); erikacooper@brb-nsn.gov
Subject: Walsh Timber Company Rock Quarry
Date: Monday, February 13, 2017 12:37:31 PM

Dear Michael,

Thank you for the notification of the Walsh Timber Company Rock Quarry dated 2/9/17. Since this project is already in existence and does not seem to be in a sensitive location, I recommend the project be conditioned with inadvertent discovery protocols.

Thank you,
Tom

Dr. Thomas Torma

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