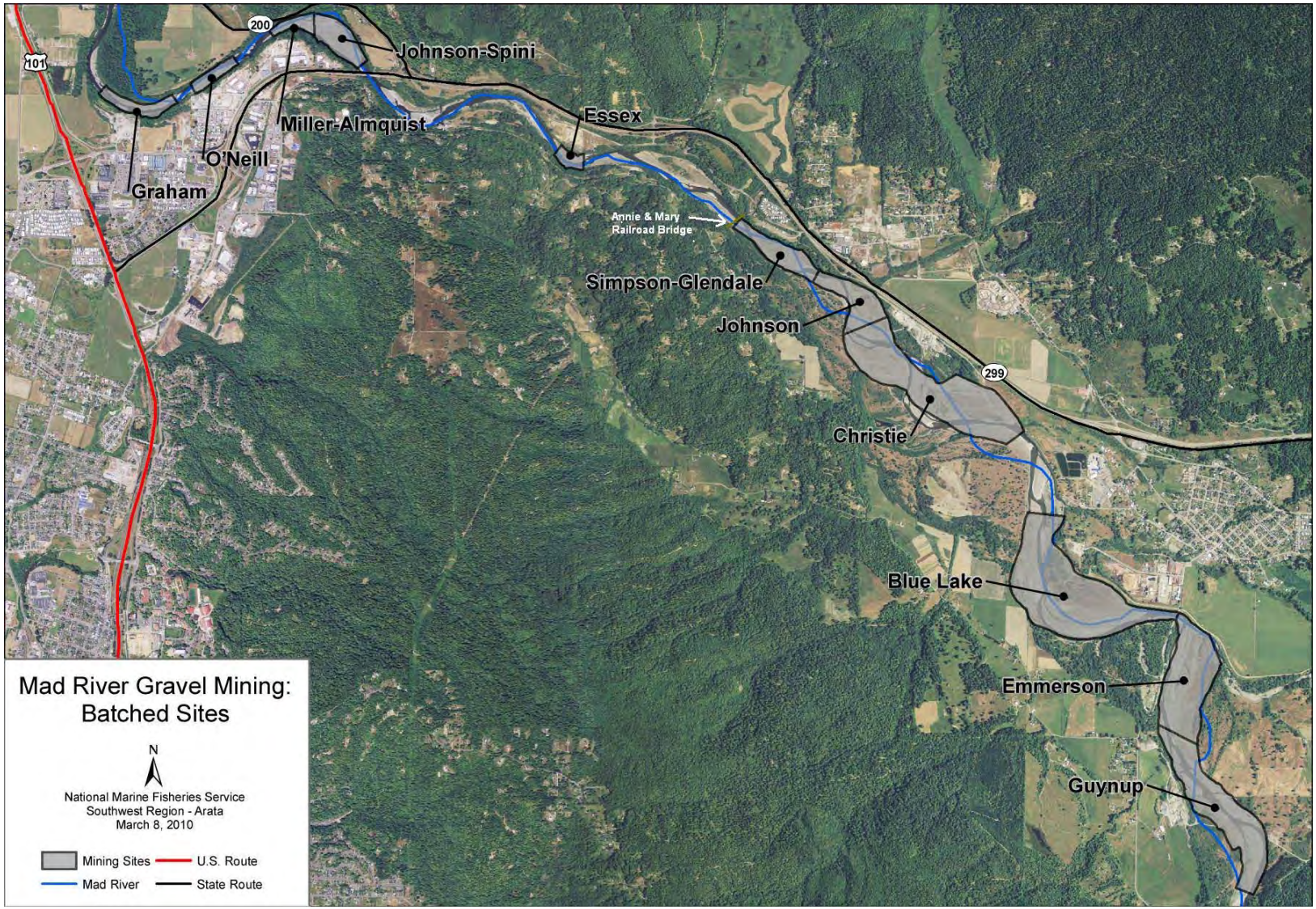


Figure 1 Mad River Gravel Mining Batched Sites

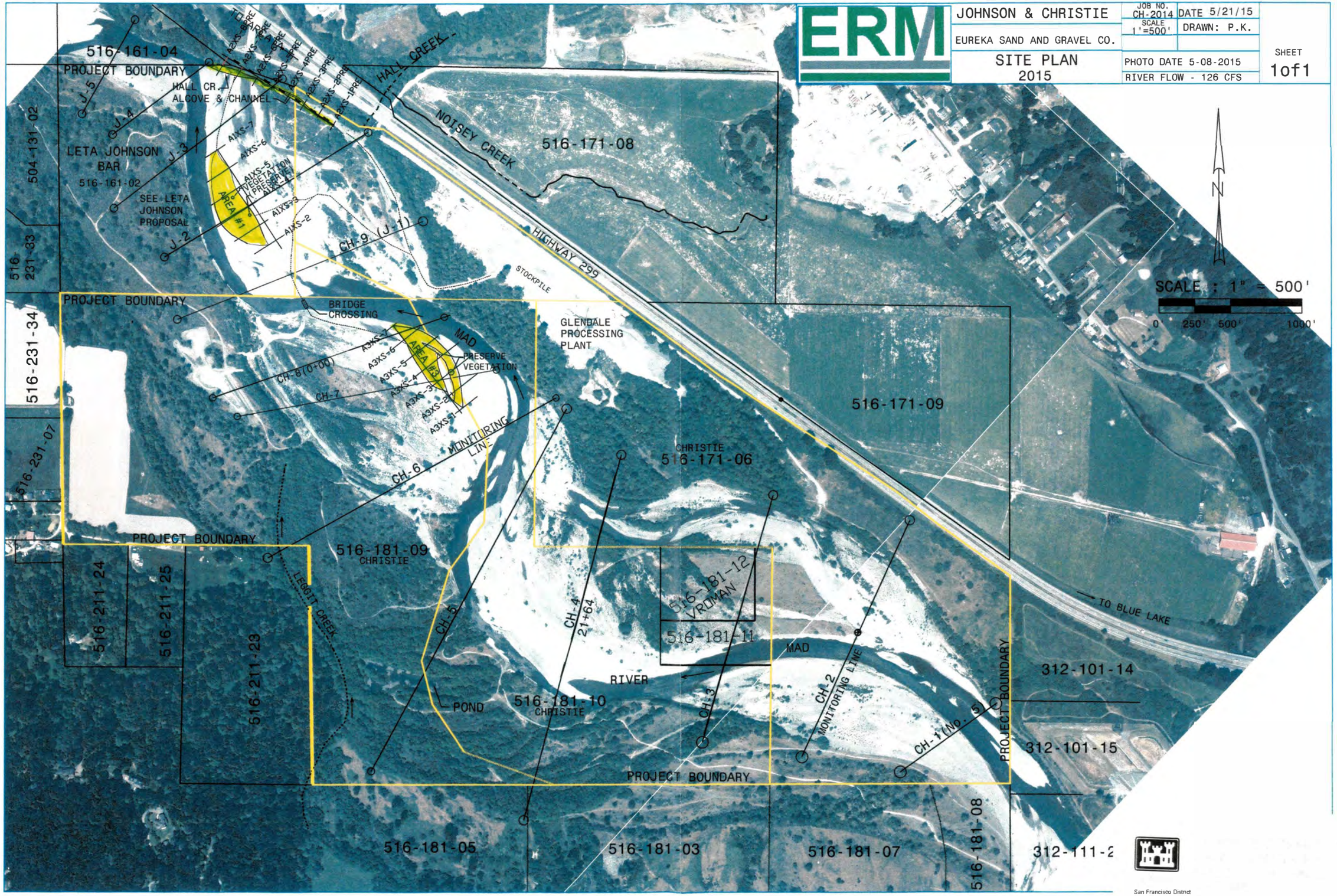
U.S. Army Corps of Engineers
San Francisco District
Regulatory Division

USACE File ID: see public notice
Mad River Gravel Mining sites
Blue Lake, Humboldt County
December 12, 2019

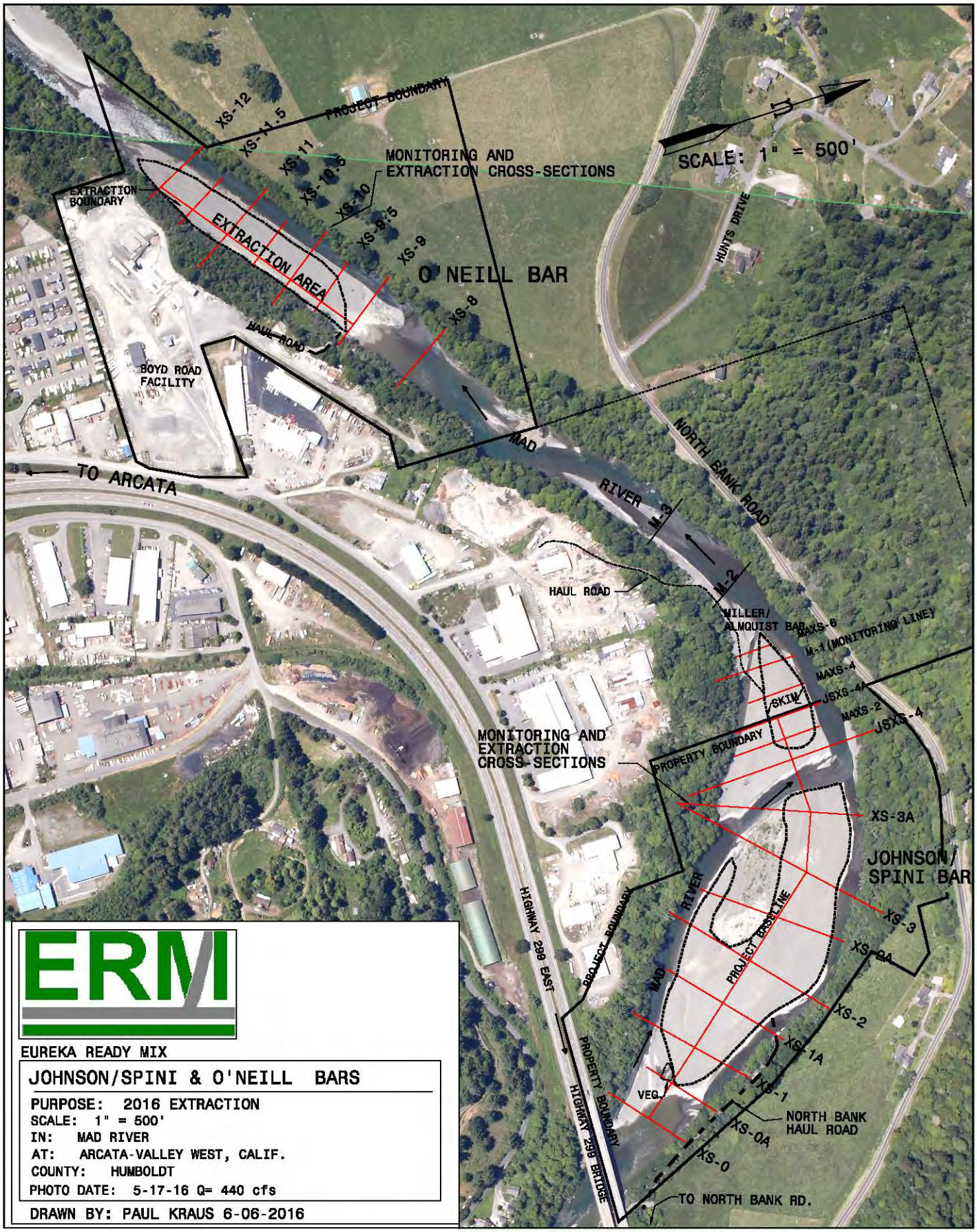
Enclosure 1 8 Sheets

ERM

JOHNSON & CHRISTIE	JOB NO. CH-2014	DATE 5/21/15	SHEET
EUREKA SAND AND GRAVEL CO.	SCALE 1'=500'	DRAWN: P.K.	1of1
SITE PLAN 2015	PHOTO DATE 5-08-2015		
	RIVER FLOW - 126 CFS		



San Francisco District
Regulatory Division



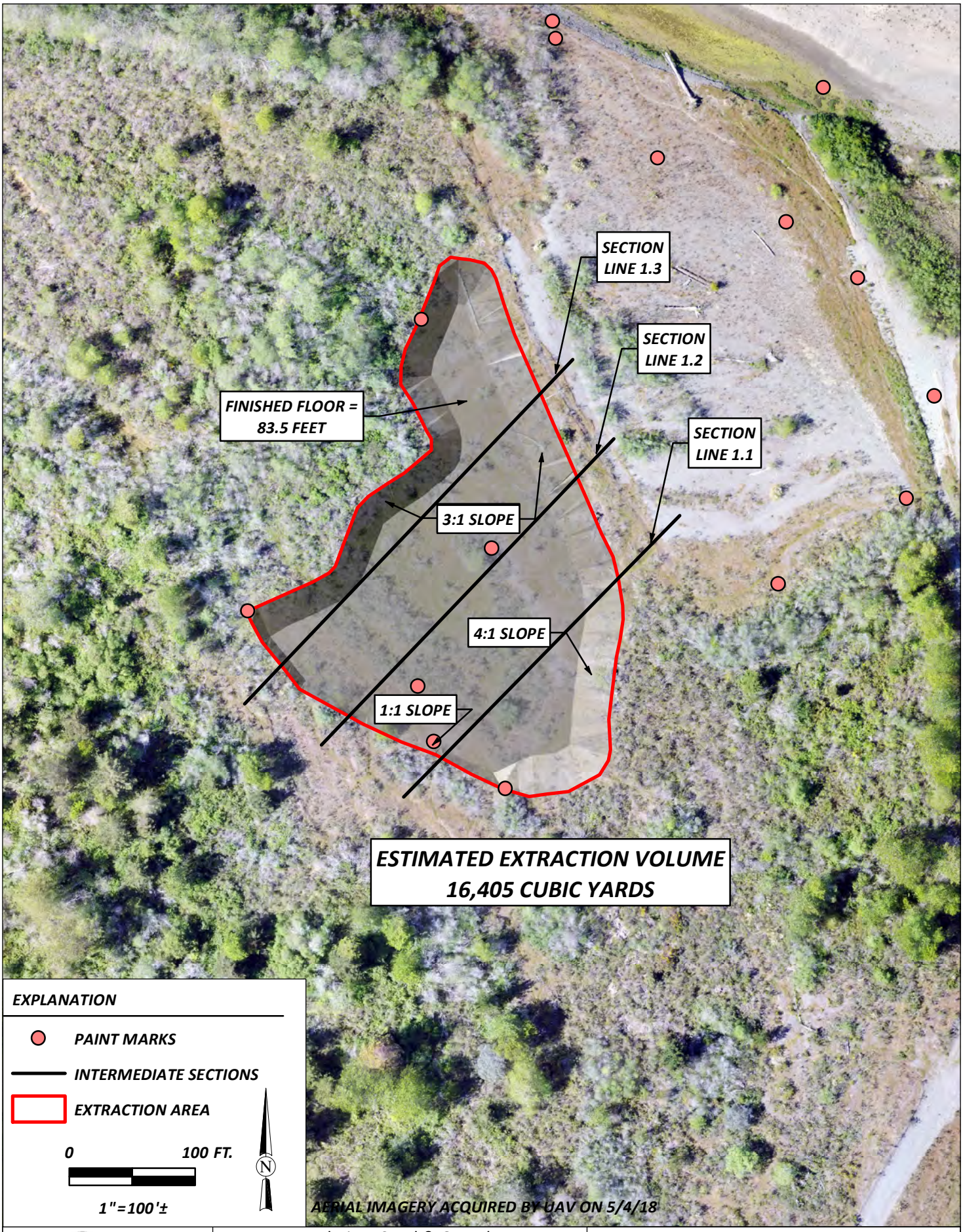
ERM

EUREKA READY MIX

JOHNSON/SPINI & O'NEILL BARS

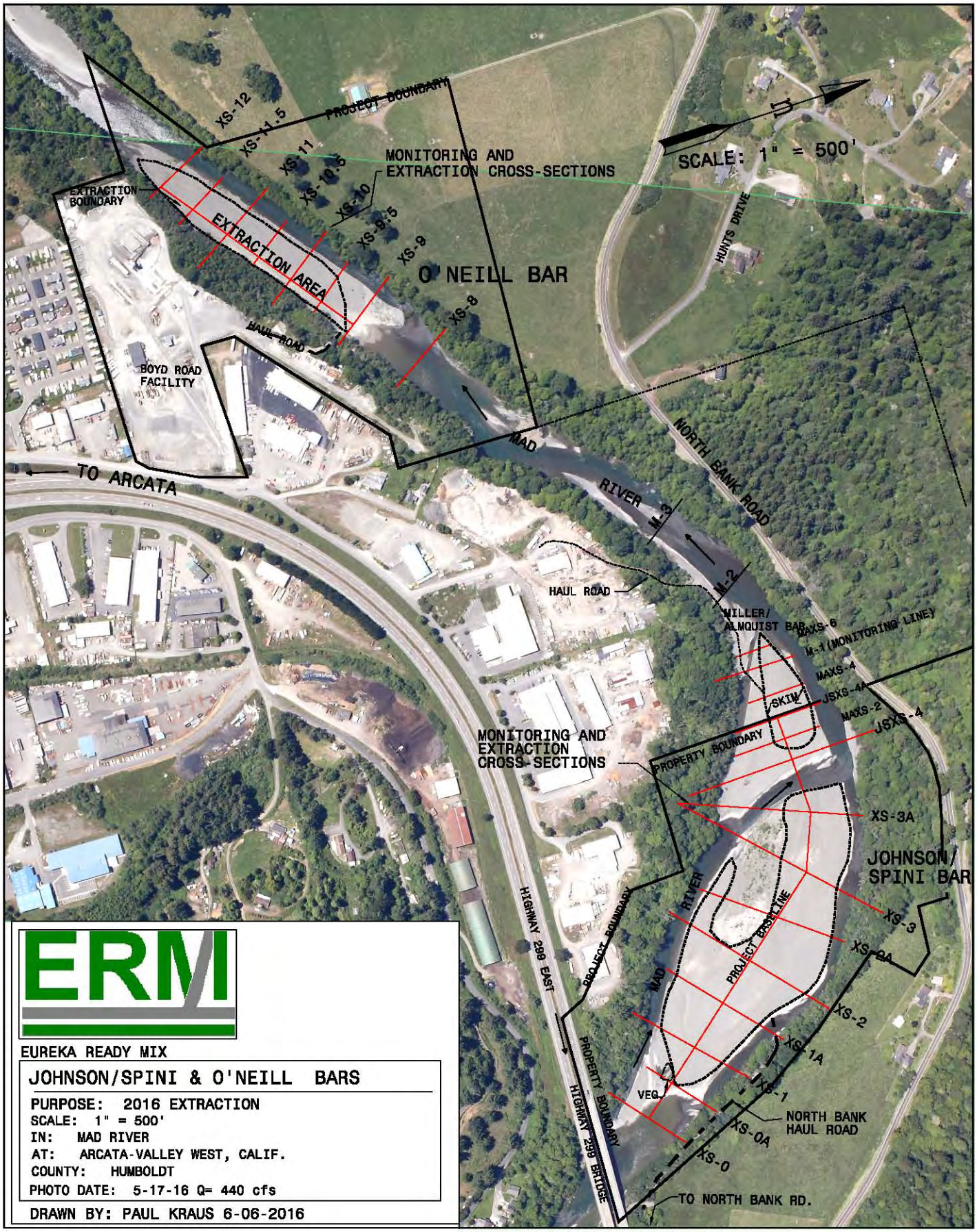
PURPOSE: 2016 EXTRACTION
SCALE: 1" = 500'
IN: MAD RIVER
AT: ARCATA-VALLEY WEST, CALIF.
COUNTY: HUMBOLDT
PHOTO DATE: 5-17-16 Q= 440 cfs

DRAWN BY: PAUL KRAUS 6-06-2016



Path: E:\PROJECTS\2017\017117.100_2018Guynup\GIS\072018\Figure3.mxd User Name: Pix4D

SHN Consulting Engineers & Geologists, Inc.	Mad River Sand & Gravel Guynup Bar Operation Blue Lake, California	Guynup Extraction Area SHN 017117.100
	July 2018 / Figure3	Figure 3



ERM

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PURPOSE: 2016 EXTRACTION
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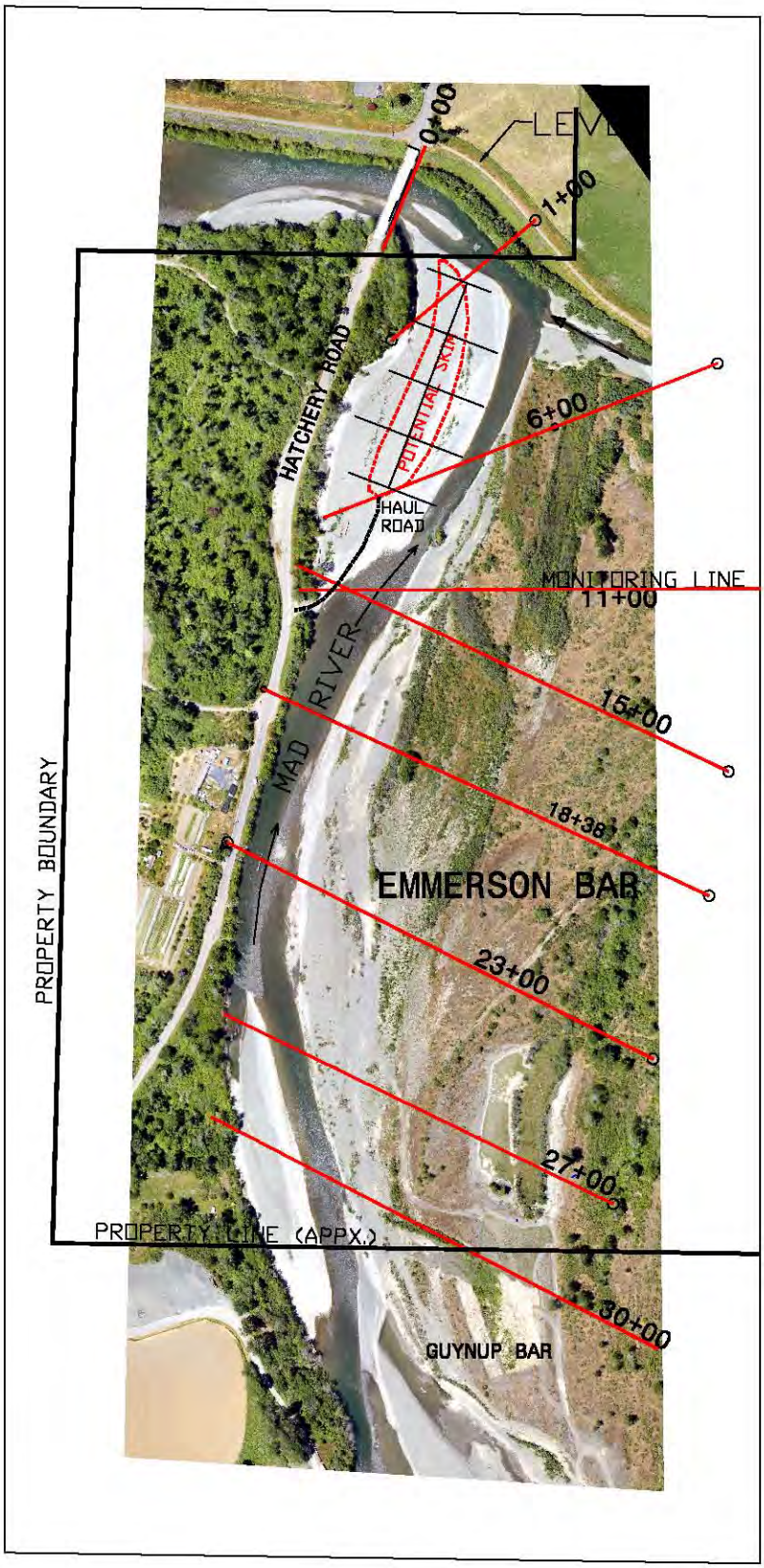
COUNTY: HUMBOLDT
PHOTO DATE: 5-17-16 Q= 440 cfs

DRAWN BY: PAUL KRAUS 6-06-2016

SCALE: 1" = 500'

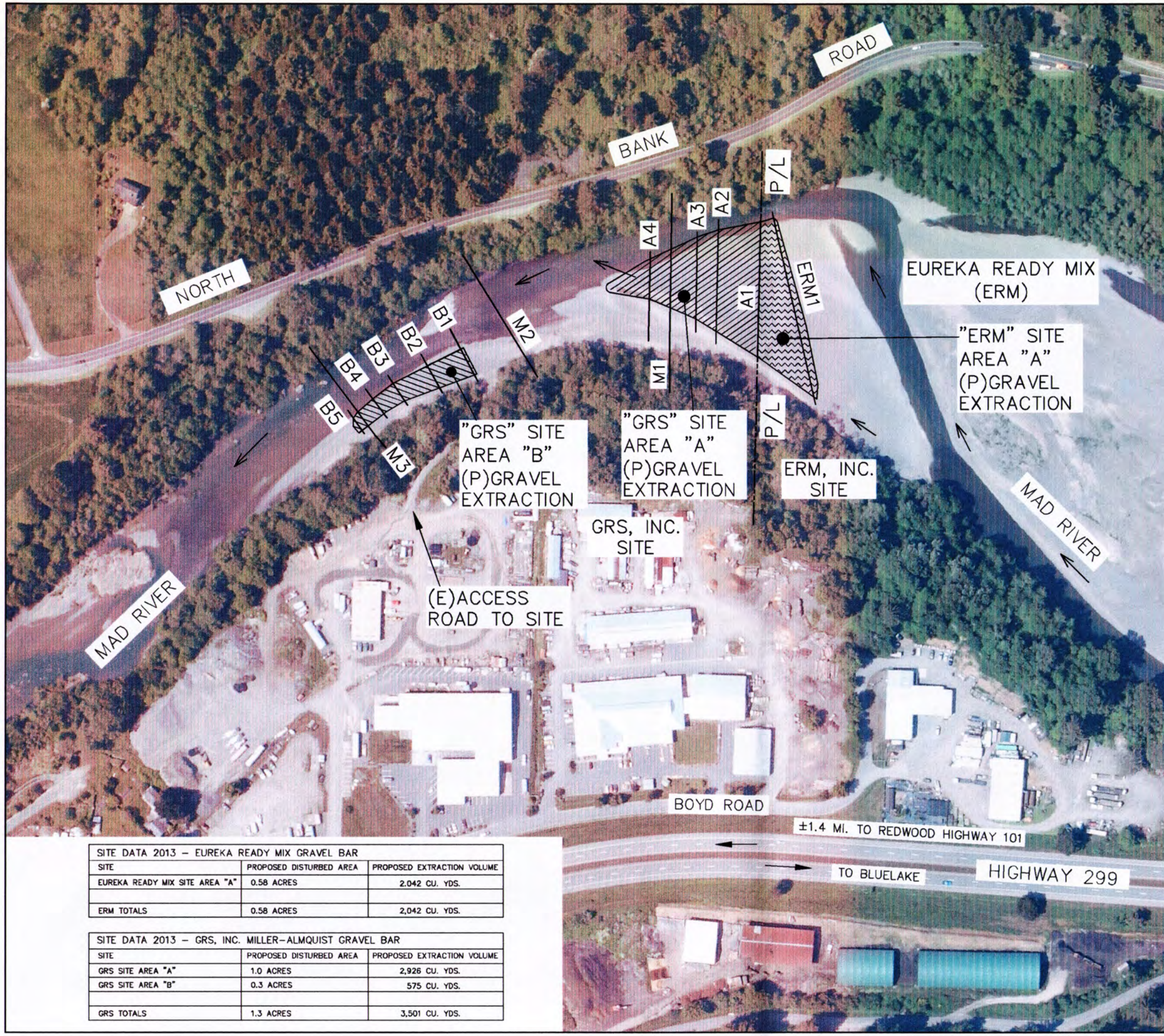


EUREKA READY MIX

EMMERSON GRAVEL BAR

PURPOSE: 2017 EXTRACTION
SCALE: 1" = 500'
IN: MAD RIVER
AT: BLUE LAKE, CALIF.
COUNTY: HUMBOLDT
PHOTO DATE: 6-16-17 Q= 240 cfs

DRAWN BY: PAUL KRAUS 7-05-2017

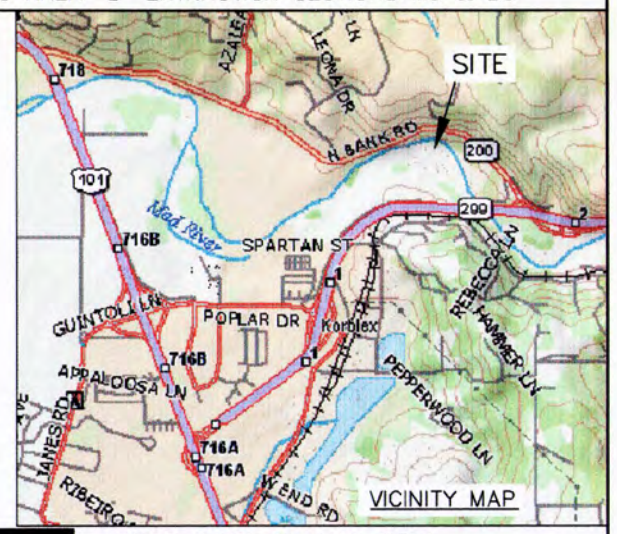


SITE DATA 2013 – EUREKA READY MIX GRAVEL BAR		
SITE	PROPOSED DISTURBED AREA	PROPOSED EXTRACTION VOLUME
EUREKA READY MIX SITE AREA "A"	0.58 ACRES	2,042 CU. YDS.
ERM TOTALS	0.58 ACRES	2,042 CU. YDS.

SITE DATA 2013 – GRS, INC. MILLER–ALMQUIST GRAVEL BAR		
SITE	PROPOSED DISTURBED AREA	PROPOSED EXTRACTION VOLUME
GRS SITE AREA "A"	1.0 ACRES	2,926 CU. YDS.
GRS SITE AREA "B"	0.3 ACRES	575 CU. YDS.
GRS TOTALS	1.3 ACRES	3,501 CU. YDS.

SHEET INDEX

1	TITLE SHEET – GRS, INC. & EUREKA READY MIX SITES
2	EUREKA READY MIX AREA "A" SECTION ERM1
3	GRS AREA "A" EXTRACTION SECTIONS A1 & A2
4	GRS AREA "A" EXTRACTION SECTIONS A3 & A4
5	GRS AREA "A" MONITORING SECTION M1
6	GRS AREA "B" EXTRACTION SECTIONS B1 & B2
7	GRS AREA "B" EXTRACTION SECTIONS B3 & B4
8	GRS AREA "B" EXTRACTION SECTIONS M3 & B5



1" = 200'

PHOTO DATE: MAY 14, 2013
PHOTO SCALE IS APPROXIMATE
Q = _____ CFS

SURVEY DONE: MAY 23, 2013
SECTIONS DIAGRAM SCALE: 1" = 200'
STATE PLANE COORDINATES, ZONE 1, US FEET
VERTICAL DATUM = NAVD88

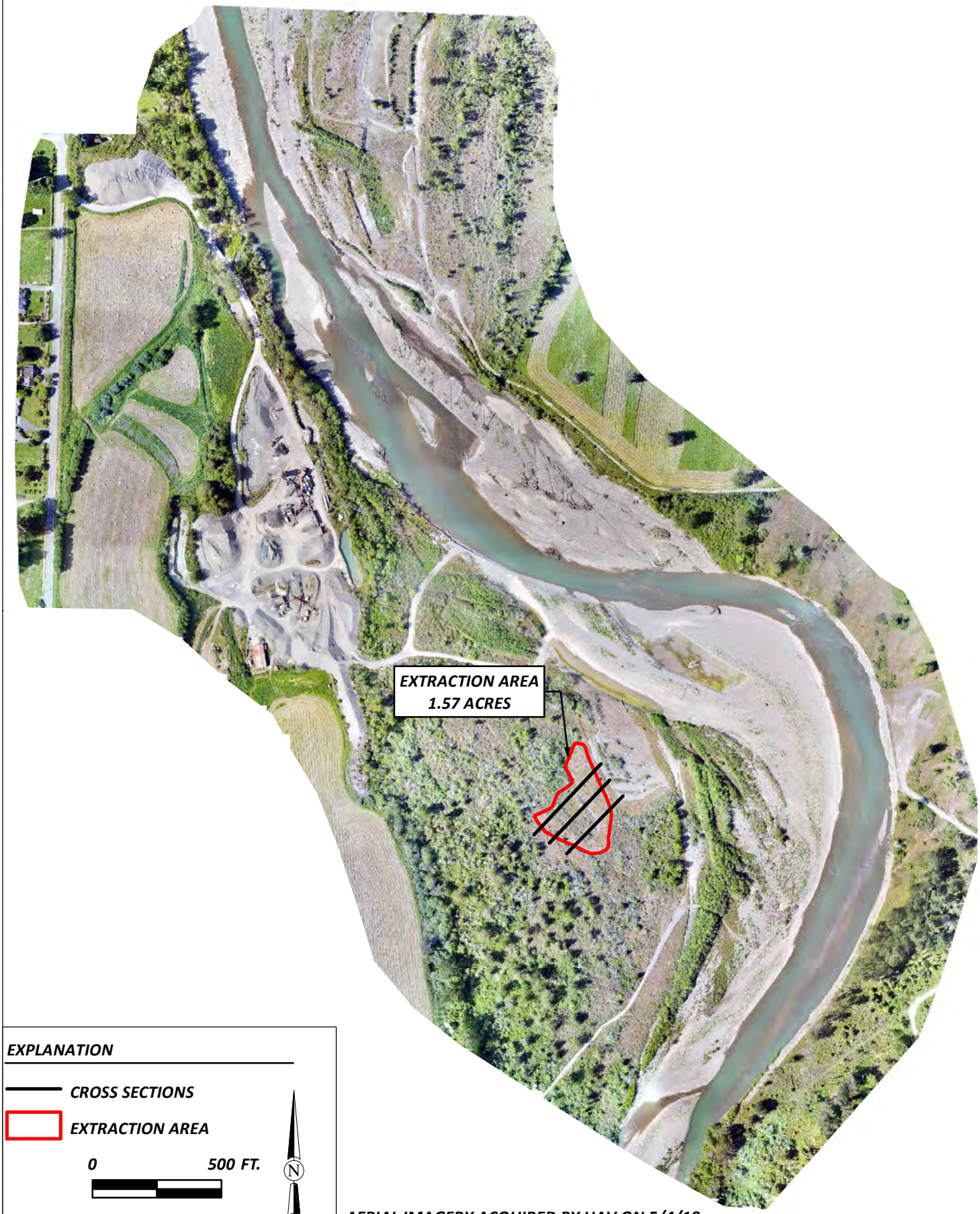
TITLE SHEET

MAD RIVER - SUMMER 2013
PROPOSED GRAVEL EXTRACTION
GR SUNDBERG, INC. & EUREKA READY MIX, INC.
GRAVEL BAR
HUMBOLDT COUNTY, CA

Owner:
GR Sundberg, Inc.
5211 Boyd Road
Arcata, CA 95521

PLANS BY:
TVCE
TRINITY VALLEY CONSULTING ENGINEERS INC.
67 WALNUT WAY
PO BOX 1567
WILLOW CREEK, CA 95573
PHONE (530) 629-3000
FAX (530) 629-3011

JUNE 21, 2013



EXPLANATION

CROSS SECTIONS

EXTRACTION AREA

0 500 FT.

1"=500'±

N

AERIAL IMAGERY ACQUIRED BY UAV ON 5/4/18

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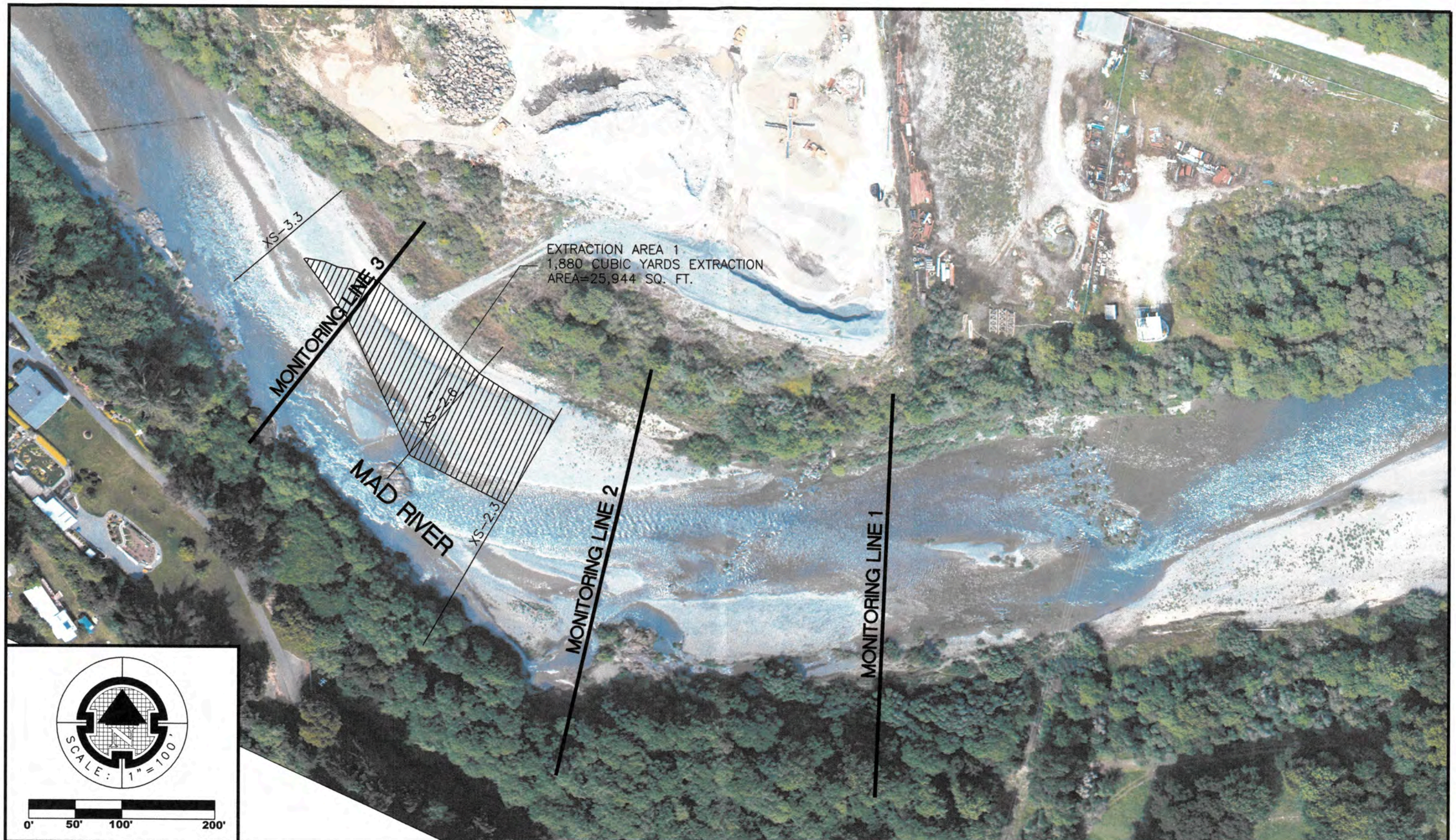
SHN Consulting Engineers & Geologists, Inc.	Mad River Sand & Gravel Guynup Bar Operation Blue Lake, California	Guynup Site Map SHN 017117.100
	July 2018 / Figure2	Figure 2



Scale: 1"=100'	Drawn By: J.B.
Discharge: Arcata G.S.	Date: 6/4/14
Flow = 423 cfs	Rev:
Gage Height = 6.16'	Photo Date: 5/13/14

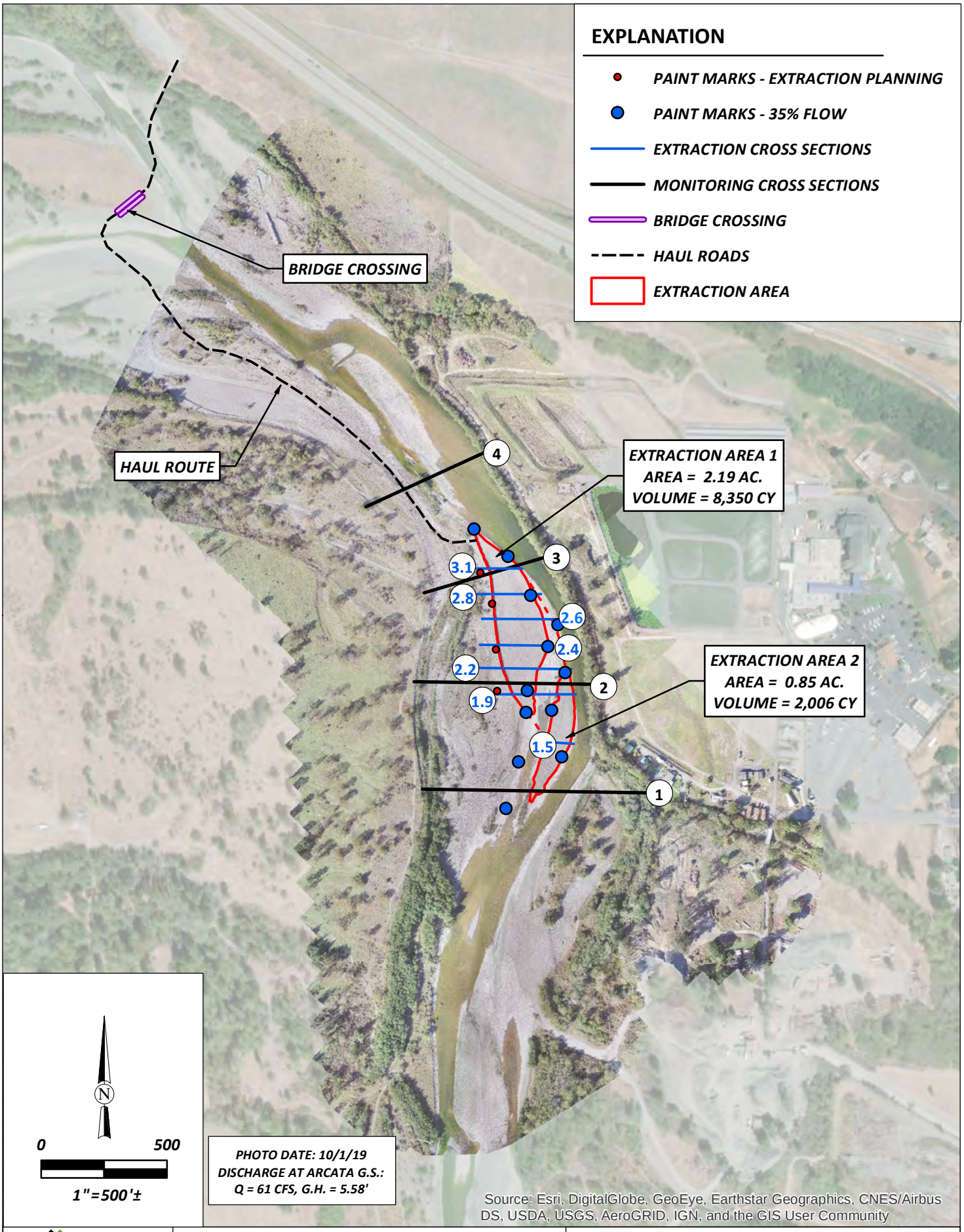
MERCER FRASER CO.

ESSEX, MAD RIVER

GRAVEL EXTRACTION

SPRING 2014

PACIFIC AFFILIATES
CONSULTING ENGINEERS
990 W. WATERFRONT DRIVE, EUREKA, CA 95501
TEL (707) 445-3001 • FAX(707)445-3003



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SHN	Kernen Construction Blue Lake Rancheria Bar Operation Blue Lake, California	Site Map SHN 017118
	November 2019	F2_BLR2019PostExtractionSiteMap_Figure2	Figure 2