

Appendix A

Individual Site Details

Appendix A

Summary of Mining Operations

Site No.	Operator	Bar	Code ¹	Maximum Extraction Amounts ² (cy)	Size of Gravel Bar (acres) ³
1	Mad River Sand & Gravel	Guynup	e,s,p	200,000	160/30
2	Humboldt County	Emmerson	e	2,000	250/33
2	REA	Emmerson	e	50,000 ⁴	250/33
3	REA	Blue Lake	e,s	100,000 ⁵	400/63
4	Eureka Sand & Gravel	Christie	e,s,p	150,000 ⁶	175/20
5	REA	Johnson	e	30,000 ⁷	36/20
6	Mercer, Fraser Co.	Essex	e,s	40,000	8/3.5
7	Arcata ReadMix	Johnson-Spini	e,s,p	80,000	90/22
8	REA	Graham	e,s,p	100,000 ⁸	80/17
9	Zabel Trucking	Simpson-Zabel	e	40,000 ⁹	50/27
10	Simpson Timber Company	upper Simpson	e	25,000 ¹⁰	3.2/3.2
<u>TOTAL</u>				817,000 cy	1,252/242

¹ Code: e = extraction, s = stockpiling, p = processing

² Extraction amounts based on vested rights, permits or foreseeable future extractions

³ Total area of site/max. area disturbed during extraction; acres disturbed each year may vary, see individual site details

⁴ Vested right under litigation

⁵ Vested right under litigation. Vested right established for 50,000, rec plan approved for 100,000

⁶ Permit issued for 50,000, current application on file for additional 100,000

⁷ Vested right determination appealed

⁸ Vested right determination appealed. Vested right established for 95,000, rec plan approved for 100,000

⁹ At time of writing, no permits or reclamation plan on file with County

¹⁰ At time of writing, no permits or reclamation plan on file with County

SITE NO. 1

Common Site Name Guynup Bar

Humboldt County Case No. CUP-35-91/SP-36-88

Mine I.D. No. 91-12-0012

Operator Mad River Sand & Gravel
1206 W. 14th Street
Eureka, CA 95501
(707) 443-7039

**Property Owners/
Owner of Mineral Rights:** Mad River Sand & Gravel
1206 W. 14th Street
Eureka, CA 95501
(707) 443-7039

Agent of Process Rising Sun Enterprises
1864 Myrtle Avenue
Eureka, CA 95501
(707) 445-2433

Project Location

Approximately 1 mile south of the City of Blue Lake, and approximately $\frac{3}{4}$ mile north of the Mad River Hatchery.
NE $\frac{1}{4}$ Sec. 31, T6N, R2E, H.B.M.
Assessor Parcel Numbers 313-061-05, 313-081-23, 303-061-01.
River mile ± 13.5

Access

Access to the site is from an existing driveway which intersects Hatchery Road approximately 150 feet south of the intersection of West End Road with Hatchery Road. Access to the public is restricted.

Recreational use of the river bar is limited. Access is by foot, from either upstream or downstream of the project site.

Project Description

Aggregate has been extracted from this site since approximately 1964. As with all sites covered in this PEIR, extraction amounts vary from year to year and are dependent on market demand and aggregate availability. The maximum annual extraction quantity allowed under the reclamation plan is 200,000 cubic yards.

The operation totals approximately 160 acres. During extraction, 1 to 30 acres of gravel bar may be disturbed.

The operation includes an upland processing and stockpile yard. Processing may include washing, crushing, sorting, screening and batching.

Environmental Setting

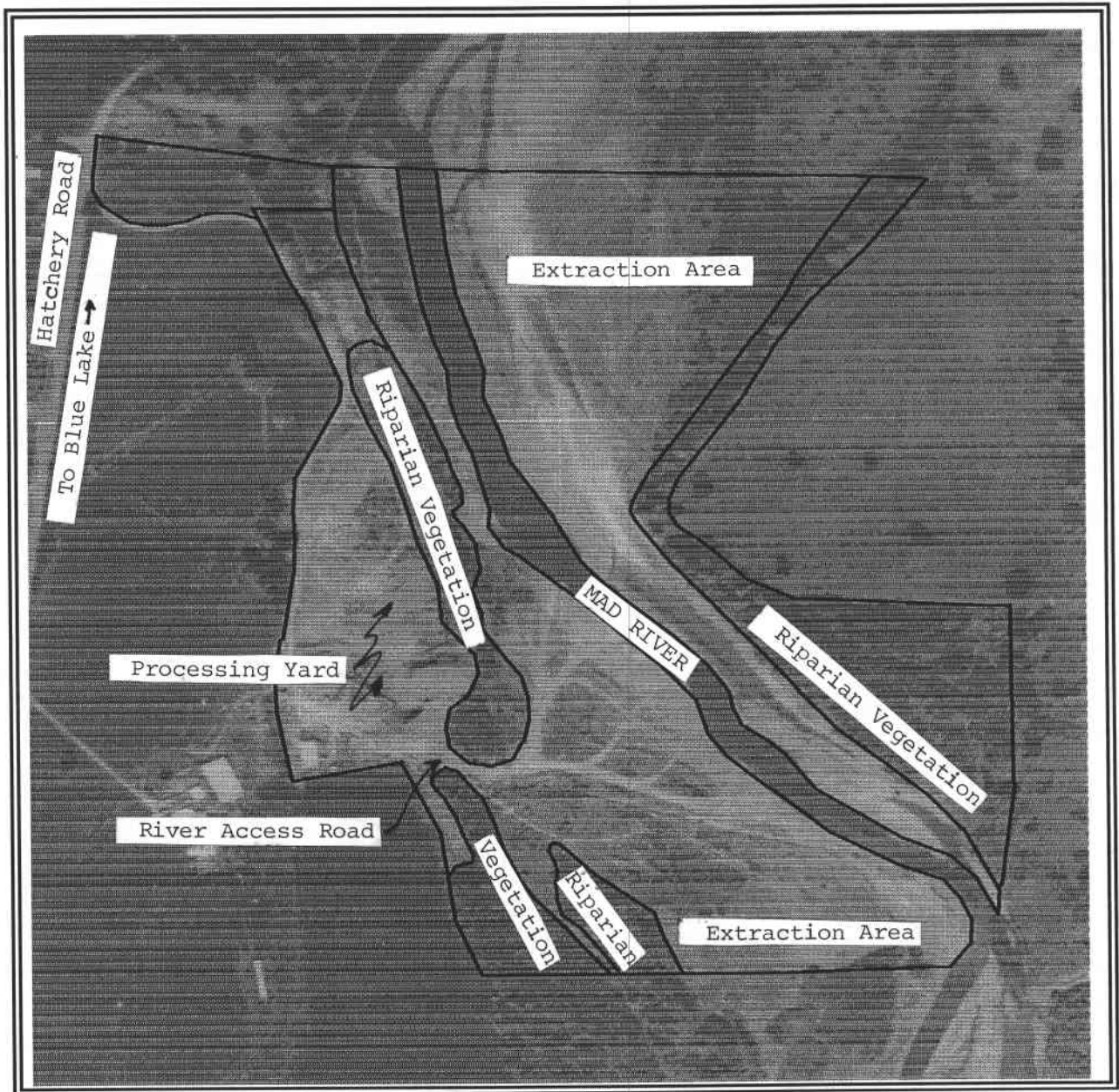
There is a remnant stand of riparian forest on the southeasterly side of the processing yard which extends down slope to meet with a mature scrub stand at the bottom. The forest supports a mix of cottonwood and red alder, with some mature arroyo willow. There has been standing water several feet deep along the base of this slope, with vegetation on both sides. This is either a remnant channel or a backwater area with potential habitat value for amphibians. A mix of forest and mature scrub continues northerly along the bank. The remainder of the area is comprised of gravel bar habitat and early to mid-successional scrub habitat.

The river flows south to north through the project area. Gravel extraction operations occur on both the east and west banks of the Mad River. Access to the gravel bars is from the south end of the processing yard. A summer flat car bridge is required to access the east bank.

The bank-to-bank width of the Mad River in this location is between 500 and 1000 feet. The bar averages 800 feet in width.

The closest residence is a house owned by the operator approximately 650 feet southwest of the processing plant. Residences on Hatchery Road and West End Road are approximately 1700 feet from the processing plant. Residences directly west of the processing site are approximately 900 feet away.

On an average, approximately 3-5 trucks transport material from the site resulting in 25-30 loads per day in the summer months. For a large job, as many as 100 loads per day may leave the site. During the winter months, activity is reduced to an average of 4 or 5 truck loads per day. Many days the gate remains shut and no loads are exported.



No Scale

Site Map
Site No. 1
Guynup bar

SITE NO. 2

Common Site Name	Emmerson Bar	
Humboldt County Case No.	SMR-06-91/CUP-25-91	
Mine I.D. No.	91-12-0033	
Operator	Redwood Empire Aggregates P.O. Box 299 Arcata, CA 95521 (707) 822-4853	Public Works Dept. 1106 Second Street Eureka, CA 95501 (707) 445-7541
Property Owners/ Owner of Mineral Rights:	Emmerson & Son P.O. Box 1189K Arcata, CA 95521 (707) 443-3111	
Agent of Process	Pacific Affiliates 835 Third Street Eureka, CA 95501 (707) 445-3001	

Project Location

Approximately ½ mile south of the City of Blue Lake on the southeast side of the Hatchery Bridge. The site is approximately at the mouth of the North Fork Mad River.
SW¼ Sec. 30 & SE¼ Sec. 14, NW¼ Sec. 23, SW¼ Sec. 13, T5N, R2E, H.B.M.
Assessor Parcel Numbers 312-151-15, 19, 25-161-05.
River mile ±13.

Access

Access to the site is from an existing driveway which intersects Hatchery Road approximately 150' north of the intersection of West End Road with Hatchery Road. The access road is gated and public access is limited to foot traffic. Portions of the access road are also used for storage of materials.

This bar is popular for use by fisherpeople and other recreationists year around.

Project Description

The County has recognized a vested right for the continued commercial extraction of a maximum of 50,000 cubic yards annually at this site. The vested right determination is under litigation. The County Public Works Department has extracted additional material for non-commercial purposes.

The operation totals approximately 250 acres. During extraction, 1 to 33 acres of gravel bar may be disturbed.

Environmental Setting

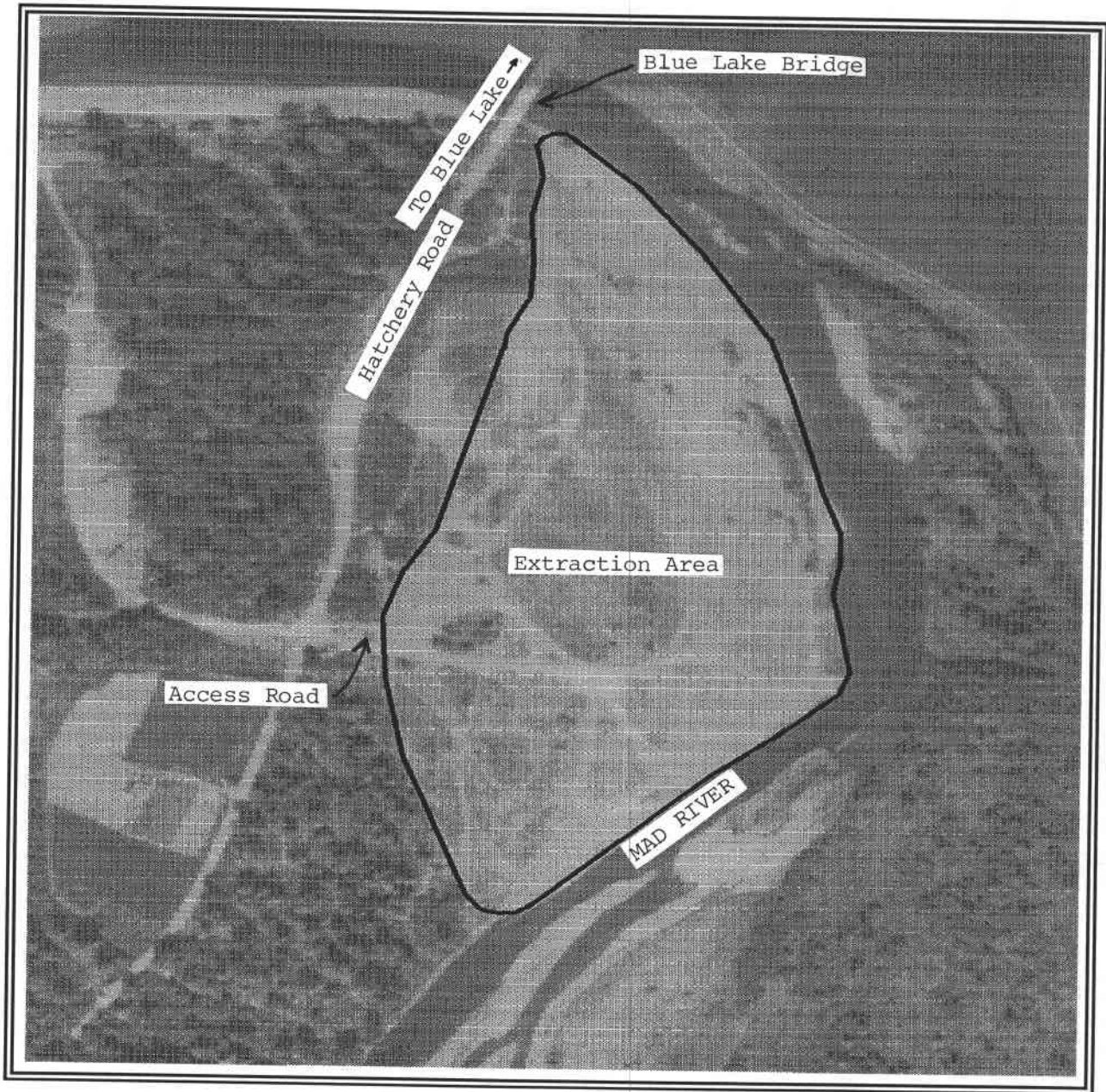
This site is characterized by gravel bar and early successional riparian scrub. There are a few isolated patches of woody vegetation, including several stands of 20-foot arroyo willow in the gravel bar and a patch of young cottonwood (to 25-30 feet), arroyo willow, and coyote brush in the lower reach of the riparian scrub. These patches have apparently been able to mature sufficiently in recent years to attain some height and begin accumulating silt and other debris at the base. The patches may enhance the habitat value of the bar and lower terrace by providing cover and some food for wildlife.

A pond with emergent vegetation (primarily cattail) is located at the northerly end of the bar, at the base of the slope. It is surrounded by a moderately dense stand of arroyo willow and red alder. This pond potentially has high habitat value for amphibians due to its persistence and the presence of good vegetative cover.

A small bar is located just downstream of Blue Lake bridge, on the south side of the channel. The lower part has been under water and the remainder has been covered with up to a foot of sediment.

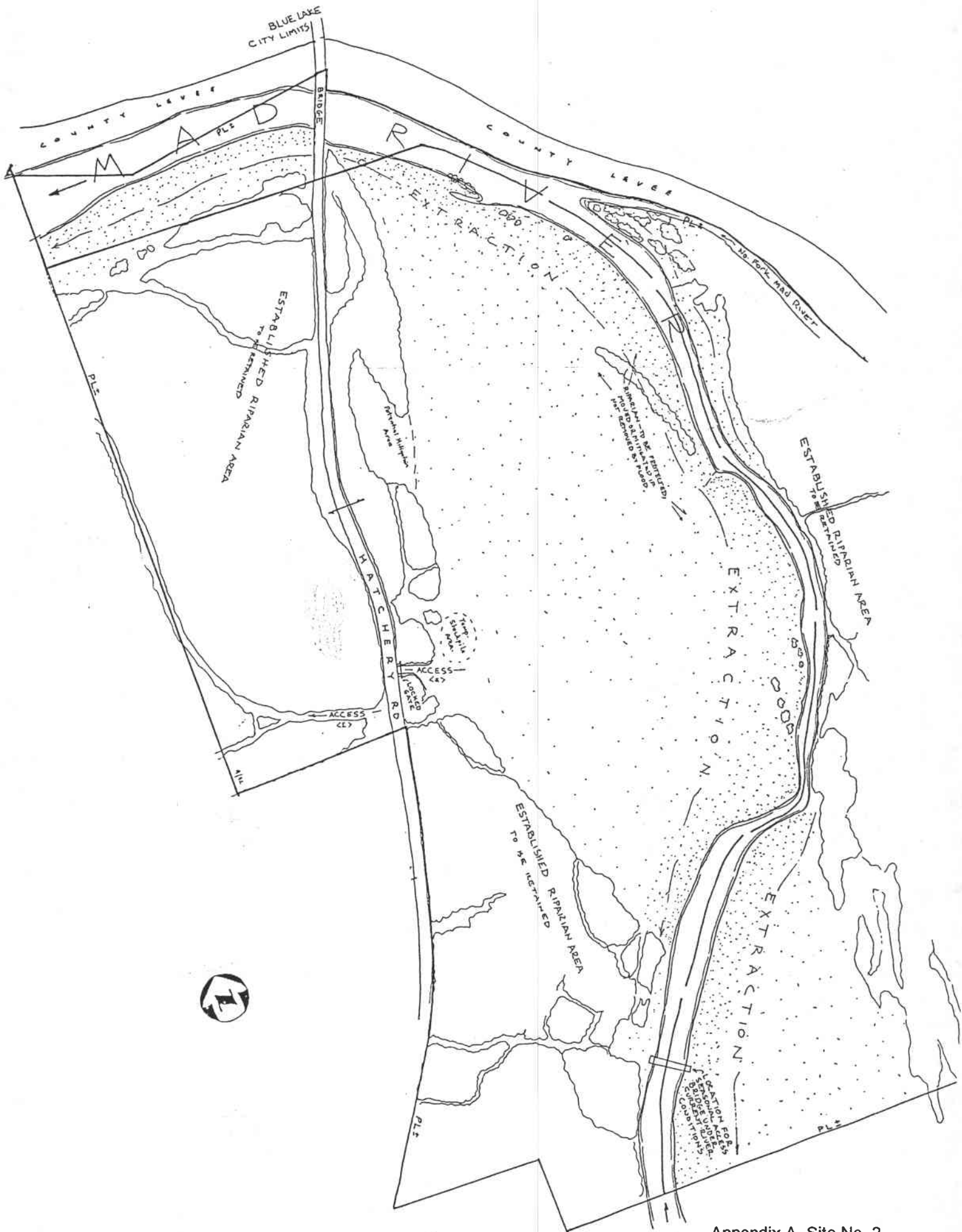
Gravel extraction at this site occurs on an inside bend of the Mad River where the river changes from flowing south to north, to flowing east to west. The bank-to-bank width of the channel is between 300 and 1500 feet. The average bar width in this area is approximately 800 feet.

The closest residences to this site are located approximately $\frac{1}{4}$ mile to the northwest and south. There are also approximately 20 houses off West End Road within 2,000 feet of the site.



No Scale

Site Map
Site No. 2
Emmerson bar



Appendix A, Site No. 2