

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

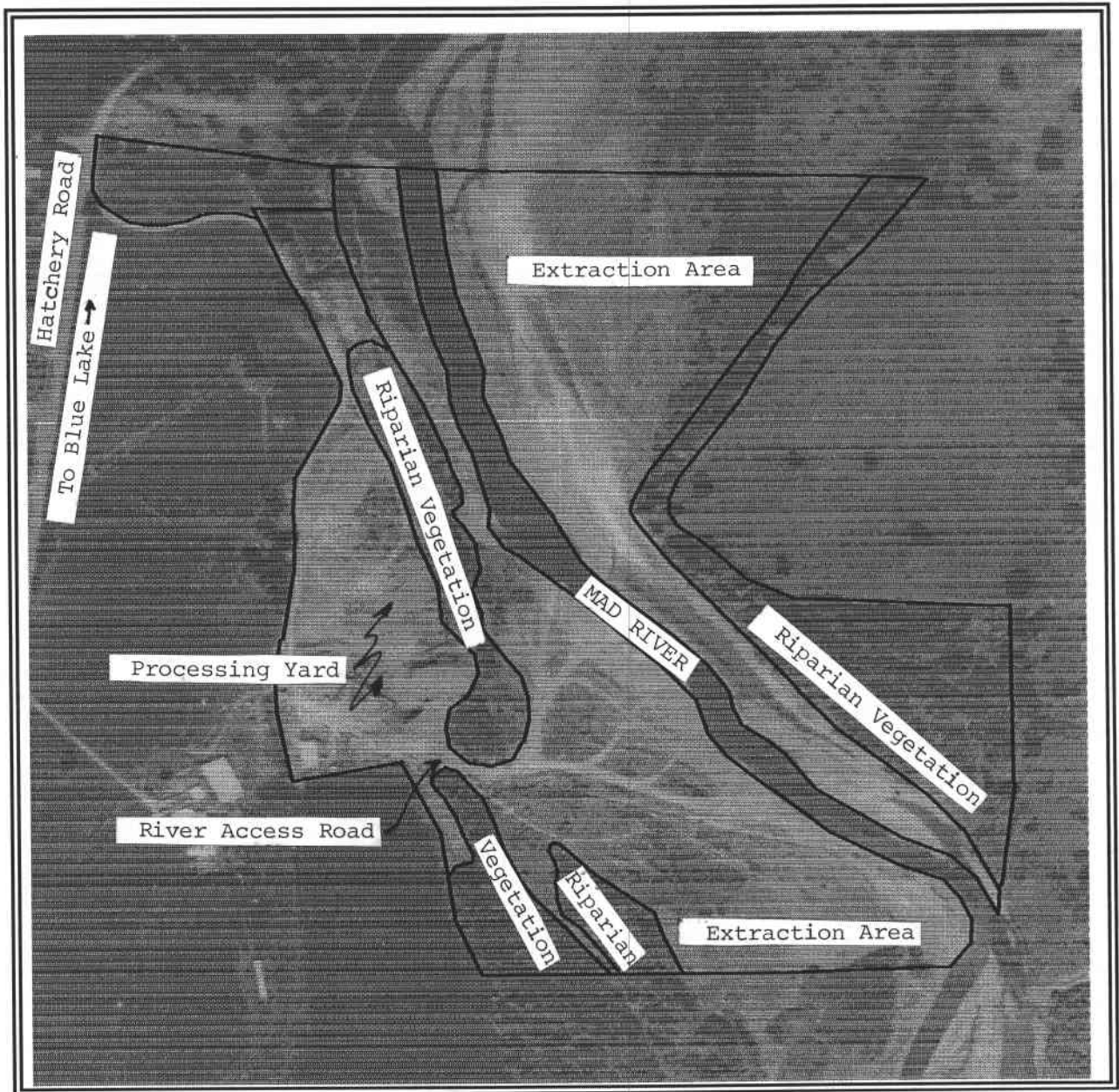
There is a remnant stand of riparian forest on the southeasterly side of the processing yard which extends down slope to meet with a mature scrub stand at the bottom. The forest supports a mix of cottonwood and red alder, with some mature arroyo willow. There has been standing water several feet deep 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 Public Works Dept.
P.O. Box 299 1106 Second Street
Arcata, CA 95521 Eureka, CA 95501
(707) 822-4853 (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

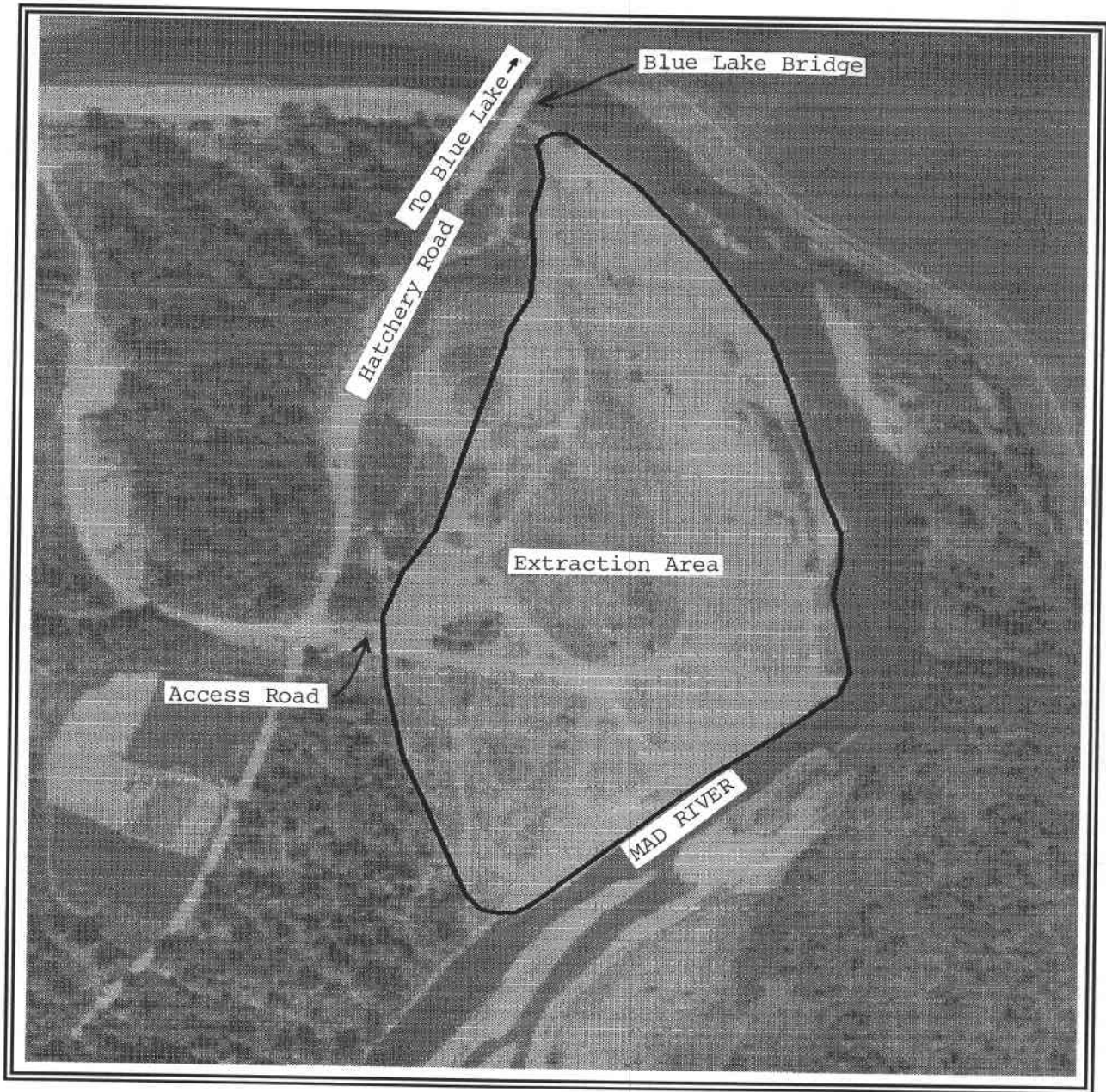
This site is characterized by gravel bar and early successional riparian scrub. There are a few isolated patches of woody vegetation, including several stands of 20-foot arroyo willow in the gravel bar and a patch of young cottonwood (to 25-30 feet), arroyo willow, and coyote brush in the lower reach 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.

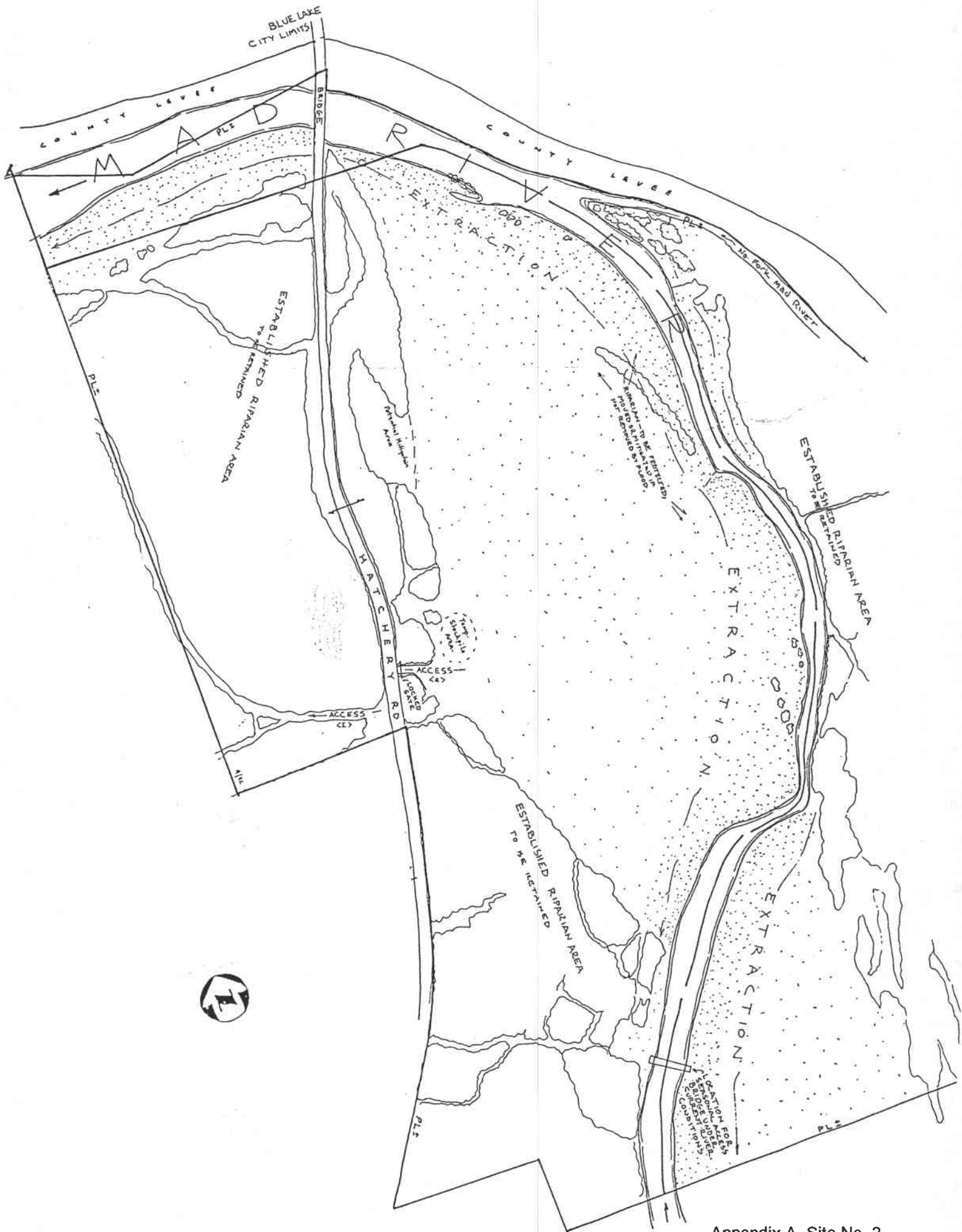
Gravel extraction at this site occurs on an inside bend of the Mad River where the river changes from flowing south to north, to flowing east to west. The bank-to-bank width of the channel is between 300 and 1500 feet. The average bar width in this area is approximately 800 feet.

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

SITE NO. 3

Common Site Name Blue Lake Bar

Humboldt County Case No. SMR-08-91/SP-38-91

Mine I.D. No. 91-12-0032

Operator Redwood Empire Aggregates
P.O. Box 299
Arcata, CA 95521
(707) 822-4853

**Property Owners/
Owner of Mineral Rights:** Redwood Empire Aggregates;
CWDT, Inc.;
Leavey

Agent of Process Pacific Affiliates
835 Third Street
Eureka, CA 95501
(707) 445-3001

Project Location

Approximately ½ mile southwest of the City of Blue Lake, adjacent to the Nicholls truck yard. NW¼ Sec. 30, T6N, R2E, H.B.M.
Assessor Parcel Numbers 312-161-07; 313-231-01, 02, 03; 516-181-07, 516-191-09.
River mile ±12.5.

Access

Access to the site is from Taylor Way, through the Blue Lake Industrial Park. Taylor Way intersects with Hatchery Road approximately 700 feet north of the Blue Lake Bridge. Public access through the site is restricted.

This bar is popular for recreational use. Access is by foot from the levee below the Blue Lake Bridge. Vehicles are parked at the north end of Blue Lake Bridge.

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 reclamation plan is approved for the maximum annual extraction of up to 100,000 cubic yards.

The operation totals approximately 400 acres. During extraction, 1 to 63 acres of gravel bar may be disturbed. The operation includes an upland stockpile area.

Environmental Setting

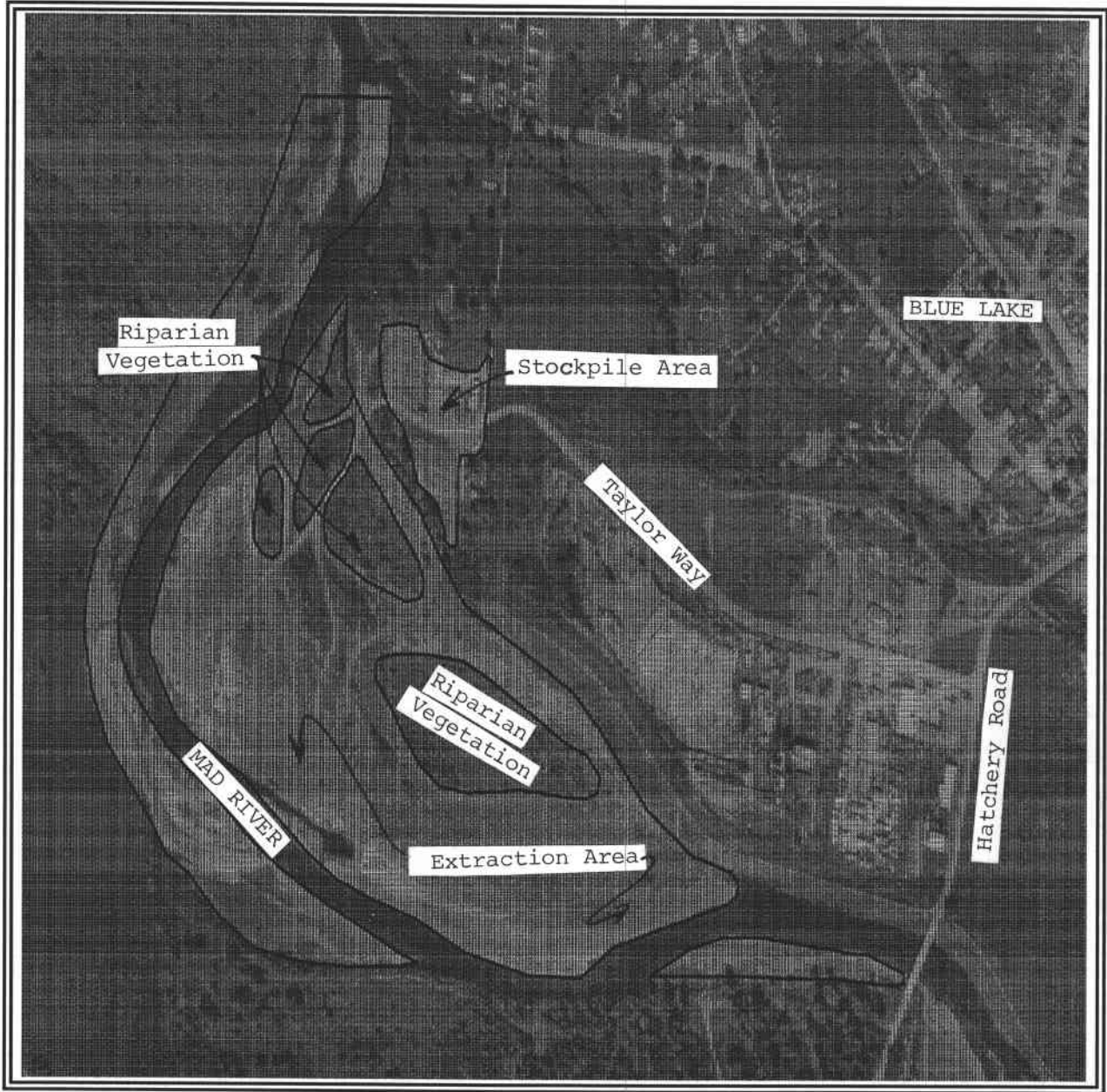
Much of this bar is typified by gravel bar bordered by early successional riparian scrub, with patches of later successional scrub (dense arroyo willow thickets) concentrated in the northerly

portion. There is a small stand of cottonwood (riparian forest) on the slope from the stockpile area down to the duck pond which was created at the end of 1992. In addition, there is a large patch of transitional scrub/forest to the south of the duck pond; this area has an approximate 20% cover by coyote brush and clumps of arroyo willow and small diameter cottonwood to 15 and 25-feet in height, respectively.

Gravel extraction occurs on an inside bend of the river where the river changes from flowing east to west, to flowing south to north. Some extraction may occur on the outside bend of the river. Access can be made by an existing road which intersects Hatchery Road approximately 1200 feet south of the Blue Lake bridge. The County Public Works Department has a stockpile adjacent to this road.

The closest residences are two houses owned by REA 100 feet and 400 feet from the truck yard, and 800 to 1000 feet from the gravel bar. The next closest residences are within and adjacent to the Blue Lake Rancheria, approximately 1000 feet from the levee and 900 feet from the truck yard. There are also approximately 17 trailers located at the end of Rancheria Road. Residences to the south on West End Road are approximately ¼ mile from the edge of the extraction area.

This site, as well as the two other sites upstream from this location, all contribute to truck traffic onto Hatchery Road which proceeds along the truck route along Greenwood Avenue to Blue Lake Boulevard. This truck traffic is required to go through a residential area with adjacent school offices, a public library and a church.



No Scale

Site Map
Site No. 3
Blue Lake bar



Site No. 3

SITE NO. 4

Common Site Name Christie Bar

Humboldt County Case No. SMR-05-91/CUP-129-85/CUP-08-88/CUP-24-91

Mine I.D. No. 91-12-0010

Operator Eureka ReadMix
P.O. Box 3568
Eureka, CA 95502
(707) 822-2937

**Property Owners/
Owner of Mineral Rights:** Phyllis M. Christie
P.O. Box 187
Blue Lake, CA 95525

Agent of Process Pacific Affiliates
835 Third Street
Eureka, CA 95501
(707) 445-3001

Project Location

Approximately 1¼ miles west of the City of Blue Lake
Sec. 24, T6N, R1E, H.B.M.
Assessor Parcel Numbers 516-171-05, 06, 07; 516-181-09, 10.
River mile ±11.

Access

Access to the site is from a private road that intersects Glendale (east) Drive, approximately ¼ mile east of the intersection of Glendale Drive with Ramp Road. The private road 'T's approximately 900 feet south of Glendale Drive. Access is to the west and under Highway 299 then parallels Highway 299 for approximately 700 feet.

Public access to the gravel bar through the site is restricted. Recreational use of the gravel bar is limited. Access is from either upstream or downstream by foot or 4-wheel drive.

Project Description

The operation is currently permitted to extract a maximum of 50,000 cubic yards annually. However, Eureka Sand & Gravel has applied to increase the maximum extraction amount to 150,000 cubic yards annually.

The operation totals approximately 175 acres. During extraction, up to 20 acres of gravel bar may be disturbed. The operation includes an upland stockpile and processing yard.

Environmental Setting

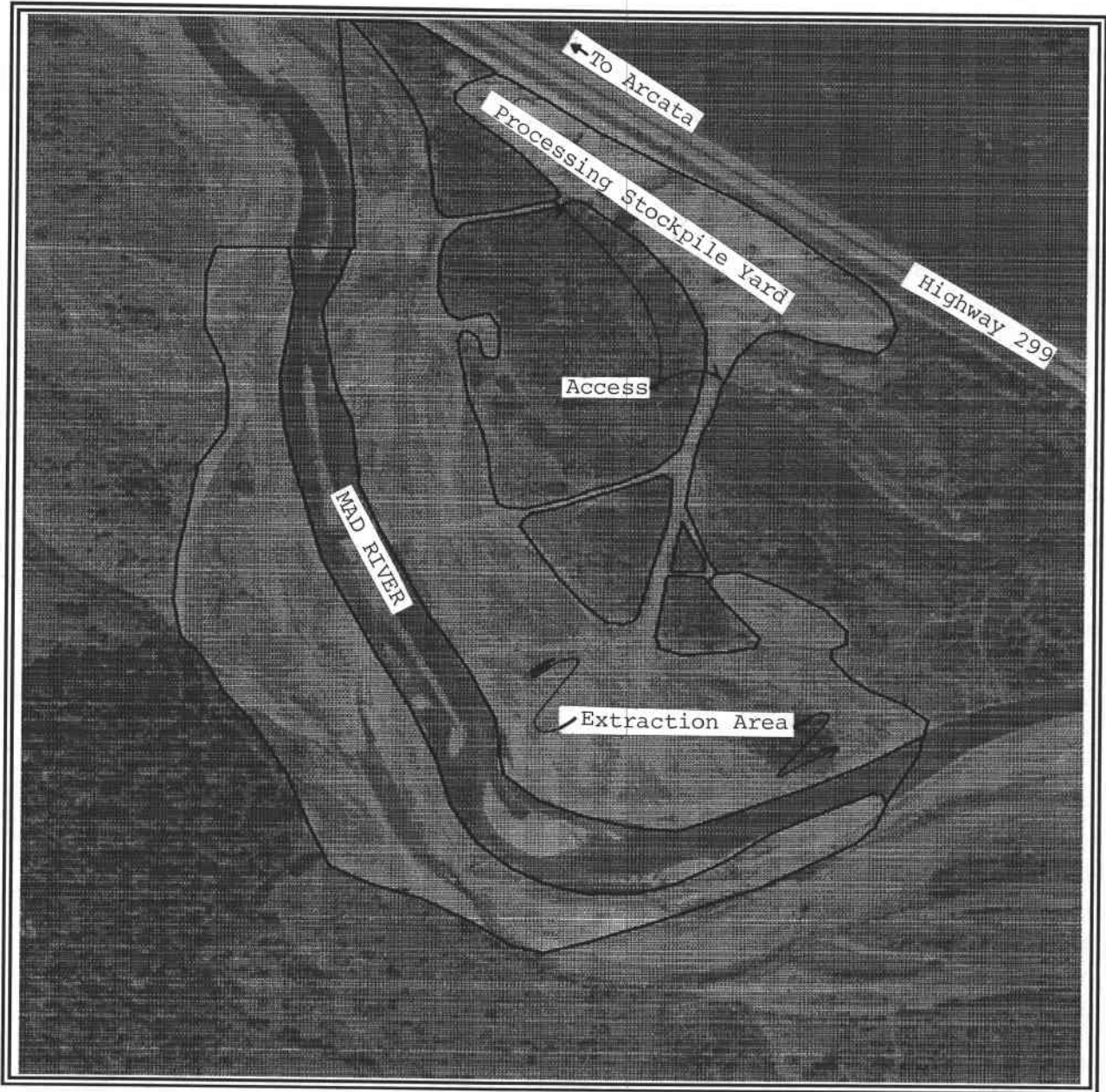
Nearly all of this site supports the gravel bar and very early successional riparian scrub habitat types. A few patches of arroyo willow are present toward the established scrub habitat. In

addition, there is a small population of mixed riparian forest and scrub on a terrace remnant toward the easterly (upstream) end of the bar. This terrace remnant appears to be rapidly eroding. Two ponds have been excavated on the bar, one toward the upstream side (1989) and one toward the downstream side (1992). There is a broad stand of mature scrub and patches of forest vegetation between the processing yard and the gravel bar, much of which has evolved over the last few decades.

Gravel extraction occurs on the north side of the river on an inside bend. The river flows southeast to northwest through the project area. Access to the gravel bar is through the east end of the processing plant.

The bank to bank width of the Mad River at this site ranges from 1400 to 2000 feet wide. The closest residence to the north is approximately 1600 feet from the processing site.

This operation has 3 dump trucks and 8 mixers. During the summer construction season, an average of 35-50 trucks per day leave the site. This is reduced to an average of 5 trucks per day during winter or wet periods. Of the total loads, approximately half are aggregate materials, with the other half Readymix concrete.



No Scale

Site Map
Site No. 4
Christie bar

SITE NO. 5

Common Site Name Johnson Bar

Humboldt County Case No. SMR-11-91/CUP-34-91

Mine I.D. No. 91-12-0031

Operator Redwood Empire Aggregates
P.O. Box 299
Arcata, CA 95521
(707) 822-4853

**Property Owners/
Owner of Mineral Rights:** Redwood Empire Aggregates
P.O. Box 299
Arcata, CA 95521
(707) 822-4853

Agent of Process Pacific Affiliates
835 Third Street
Eureka, CA 95501
(707) 445-3001

Project Location

Approximately 1½ miles west of the City of Blue Lake. The project site is located immediately downstream of the mouth of Noisy Creek and adjacent to Site No. 4.
NW¼ Sec. 24, T6N, R1E, H.B.M.
Assessor Parcel Number 516-161-02
River mile ±10.

Access

Access to the site is from a private road that intersects Glendale Drive, approximately 1000 feet east of the intersection of Larson Heights Road with Glendale Drive. Public access to the site is restricted or is made by foot or 4-wheel drive from downstream.

Project Description

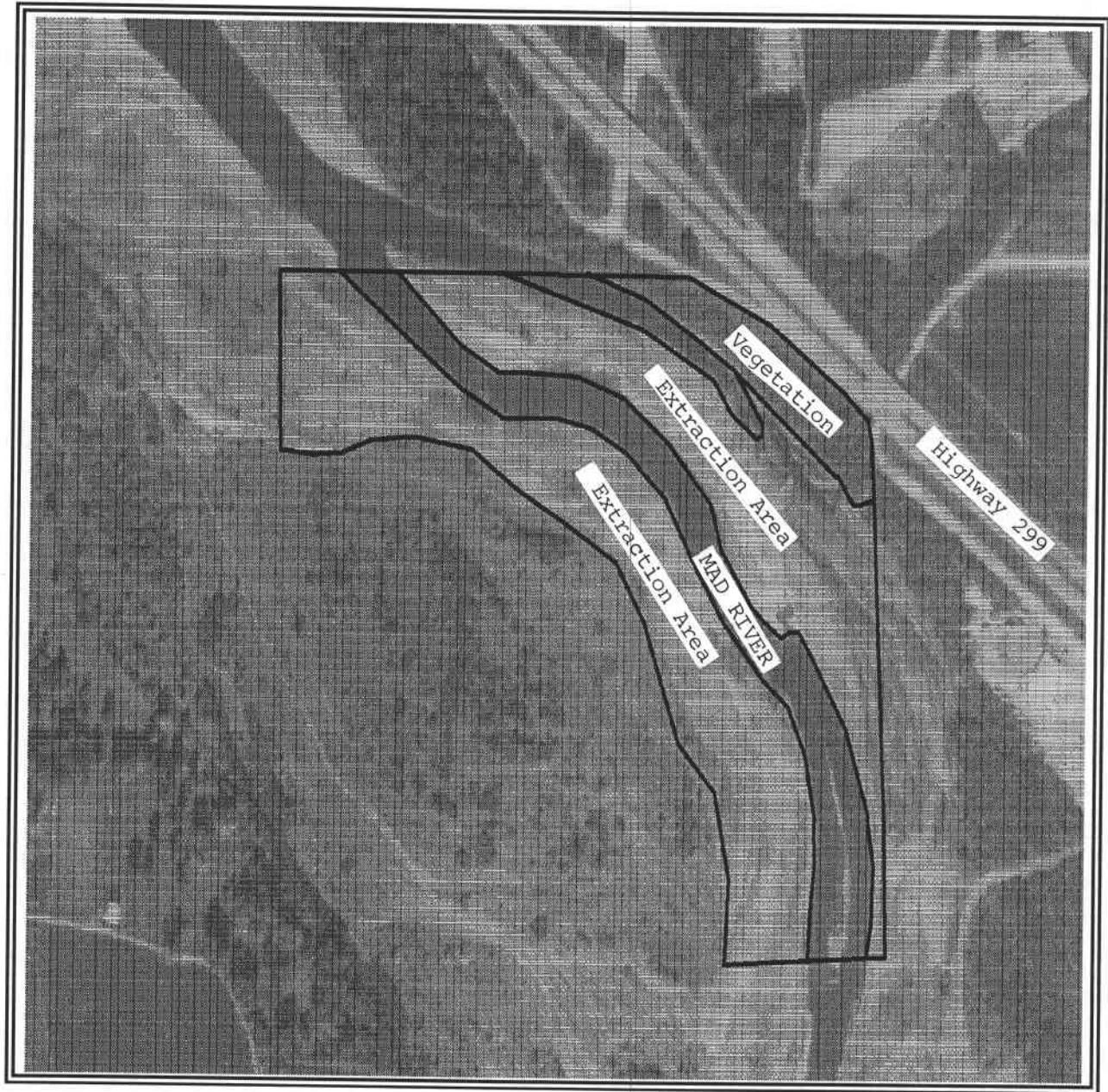
On March 31, 1993, the County recognized a vested right for the commercial extraction of up to 30,000 cubic yards annually from the site. As of this writing, the period for filing an appeal of the determination to recognize the vested right has not been exhausted. It is expected that an appeal will be filed.

The operation totals approximately 36 acres. During extraction, 1 to 20 acres may be disturbed. There is no stockpiling or processing at this site.

Most of the Johnson Bar is comprised of gravel bar habitat. There has been a small linear stand of scrub willow (to 10 feet in height) as well as patches of early successional scrub. There is a broad terrace above this bar to the south which is dominated by early and mid successional scrub vegetation with strips of mature scrub. There were a few older backwater

channels which may persist long enough for amphibian breeding. There have been a few older backwater channels which may persist long enough for amphibian breeding.

The river flows east to west through the project site. Gravel extraction occurs on both banks of the Mad River. Access to the bars requires summer bridge crossings. Bank to Bank width at the site is approximately 600 to 1300 feet wide.



No Scale

Site Map
Site No. 5
Johnson bar

SITE NO. 6

Common Site Name Essex Bar

Humboldt County Case No. SP-26-88

Mine I.D. No. 91-12-0005

Operator Mercer, Fraser Company
P.O. Box 1006
Eureka, CA 95502
(707) 443-6371

**Property Owners/
Owner of Mineral Rights:** Mercer, Fraser Company
P.O. Box 1006
Eureka, CA 95502
(707) 443-6371

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

Project Location

Approximately 2¼ miles east of the Valley West area of Arcata.
NE¼ Sec. 15, T6N, R1E, H.B.M.
Assessor Parcel Numbers 504-161-10.
River mile ±9.

Access

Access to the site is from of an existing driveway that intersects Glendale Drive, approximate 1000 feet east of the (first) Glendale Drive off ramp from eastbound Highway 299.

Public access through the site is restricted. The site is adjacent to a popular swimming hole, though no public access is available, other than walking along the river from one of the water district's pump station parks.

Project Description

The operation extracts a maximum of 40,000 cubic yards annually. The operation totals approximately eight acres. During extraction, 1 to 3.5 acres may be disturbed. This site historically had a processing plant running with large amounts of gravel being processed.

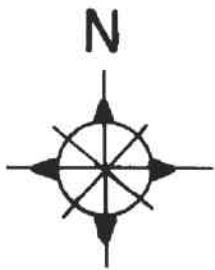
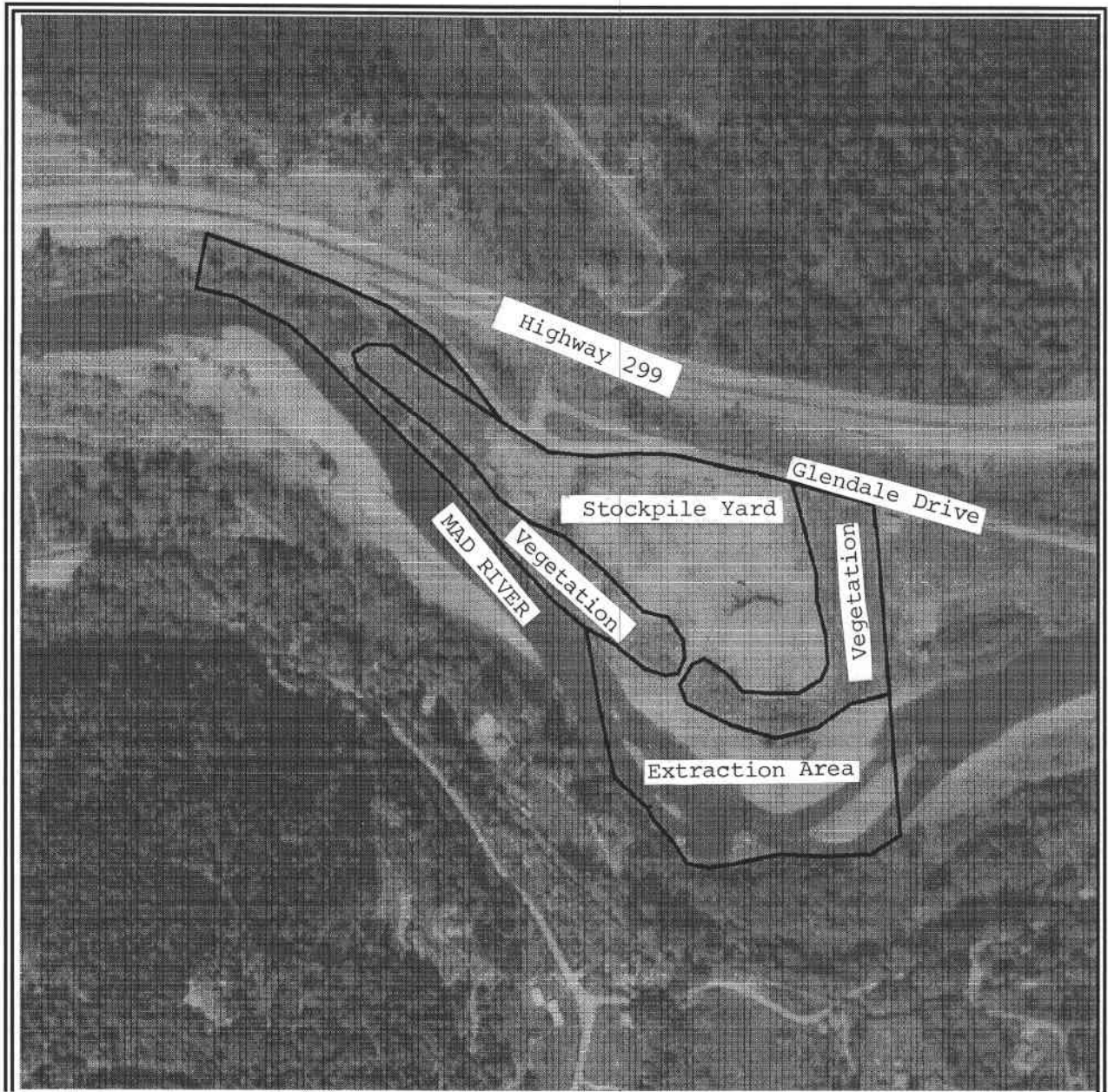
Environmental Setting

The upper terrace of this site is utilized for storage of materials from on and off site. Vegetation in this area is quite sparse, with ruderal (weedy) herbaceous species, and a few coyote brush being noted in areas not recently disturbed. There is a narrow band of mixed scrub and forest vegetation between the storage terrace and the riverside gravel bar,

characterized by arroyo willow and red alder with sparse cottonwood. The gravel bar has virtually no vegetation. The bar itself has been partially covered with several inches of sediment, apparently from 1993 high flows.

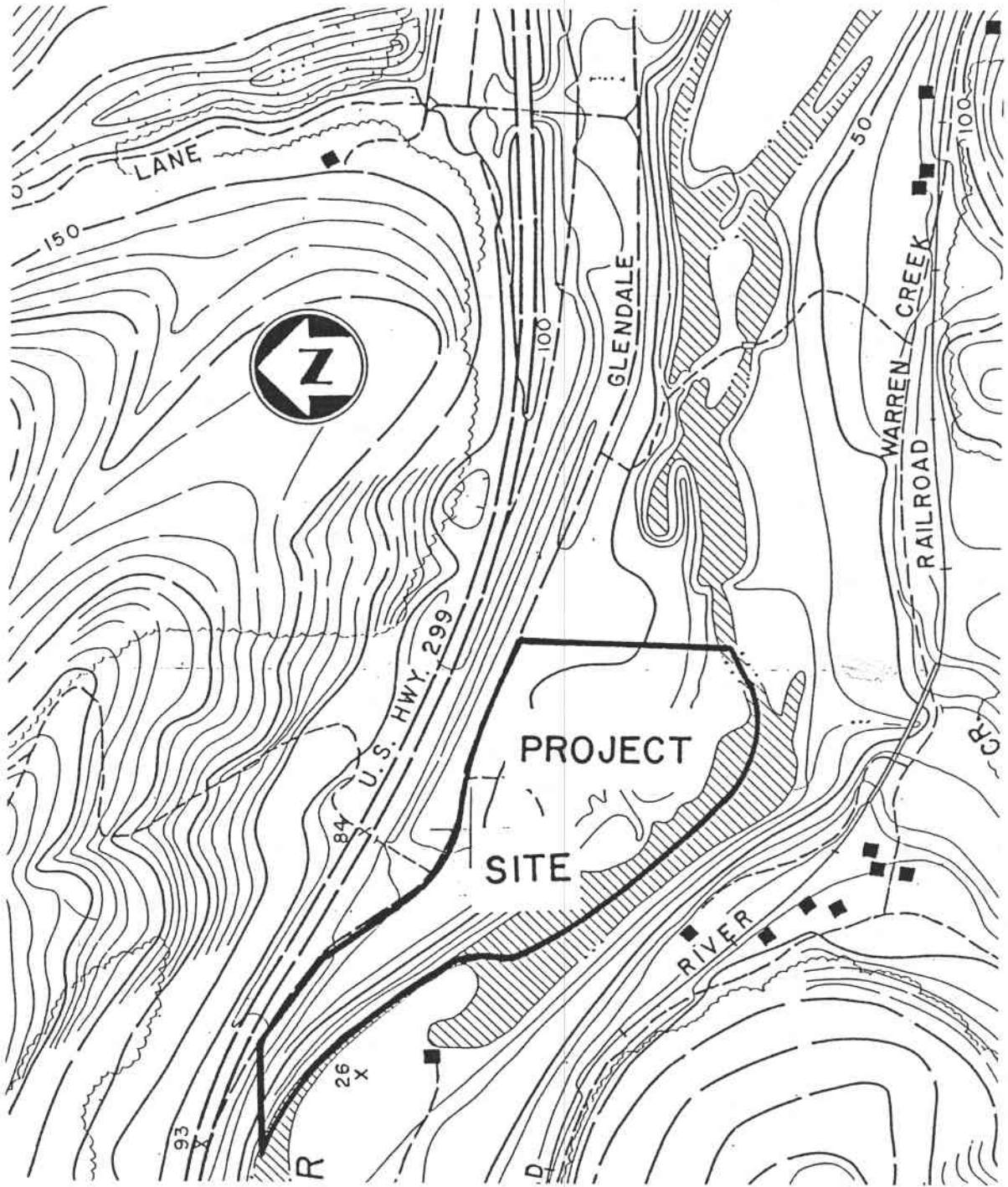
Extraction occurs on the north bank of the river on an inside bend. The river flows east to west through the project site. Access to the gravel bar is through the south end of an upland stockpile area.

The nearest occupied structures are approximately 450' to the south. Highway 299 divides the processing site from several residences to the north. Noise levels generated by passenger cars and trucks on the freeway are higher than those contributed by the processing and extraction operations.



No Scale

Site Map
Site No. 6
Essex bar



RISING SUN
PLANNING/PERMITTING
ENVIRONMENTAL CONSULTING

SITE NO. 7

Common Site Name Johnson-Spini Bar (7A)
Arcata ReadMix Bar (7B)

Humboldt County Case No. SMR-03-88/SP-91-88

Mine I.D. No. 91-12-0013

Operator Arcata ReadMix
P.O. Box 4657
Arcata, CA 95521
(707) 822-1795

**Property Owners
/Owner of Mineral Rights:** William O'Neill
Richard Hunt
Stan Johnson
Ben Spini

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

Project Location

The processing yard, Site 7B, is approximately ½ east of the Valley West area of Arcata.
NW¼ & NE¼ Sec. 16, SE¼ Sec. 9, T6N, R1E, H.B.M.
Assessor Parcel Numbers(APN) are as follows:

OWNER/APN	TOTAL PARCEL AREA (acres)	AREA UTILIZED FOR PROJECT (acres)	GRAVEL BAR (acres)	PROCESSING (acres)
O'Neill 507-381-03, 04, 05	20	20	6	14
Hunt 507-131-18	20	1	1	0
Johnson 507-131-83	25	11	11	0
504-181-28	5	.5	.5	0
Spini 504-181-18, 26				
507-261-16, 9, 10	20	3.5	3.5	0
TOTAL (acres)	90	36	22	14

River mile ± 7.6 (Site A), ± 7 (Site B).

Access

Access to the processing yard is from a private drive that intersects Boyd Road approximately $\frac{1}{4}$ mile north of the intersection of Boyd Road with Giuntoli Lane. Access to the Johnson-Spini bar is at the end of Boyd Road, just over $\frac{1}{2}$ mile from the intersection of Boyd Road with Giuntoli Lane.

Public access to Arcata ReadMix (Site No. 7B) Johnson-Spini (Site No. 7A) bars, is restricted.

Project Description

The operation has a vested right to extract a maximum of 80,000 cubic yards annually. The operation totals 90 acres. During extraction, 1 to 22 acres may be disturbed.

The Arcata ReadMix site consists of processing equipment and a cement batch plant. Other equipment includes front end loaders, dump trucks and mixers. Developed in 1951, the site is located within an industrial area. However, it is located adjacent to and directly north of the Town and Country Trailer Park built in 1955.

Environmental Setting

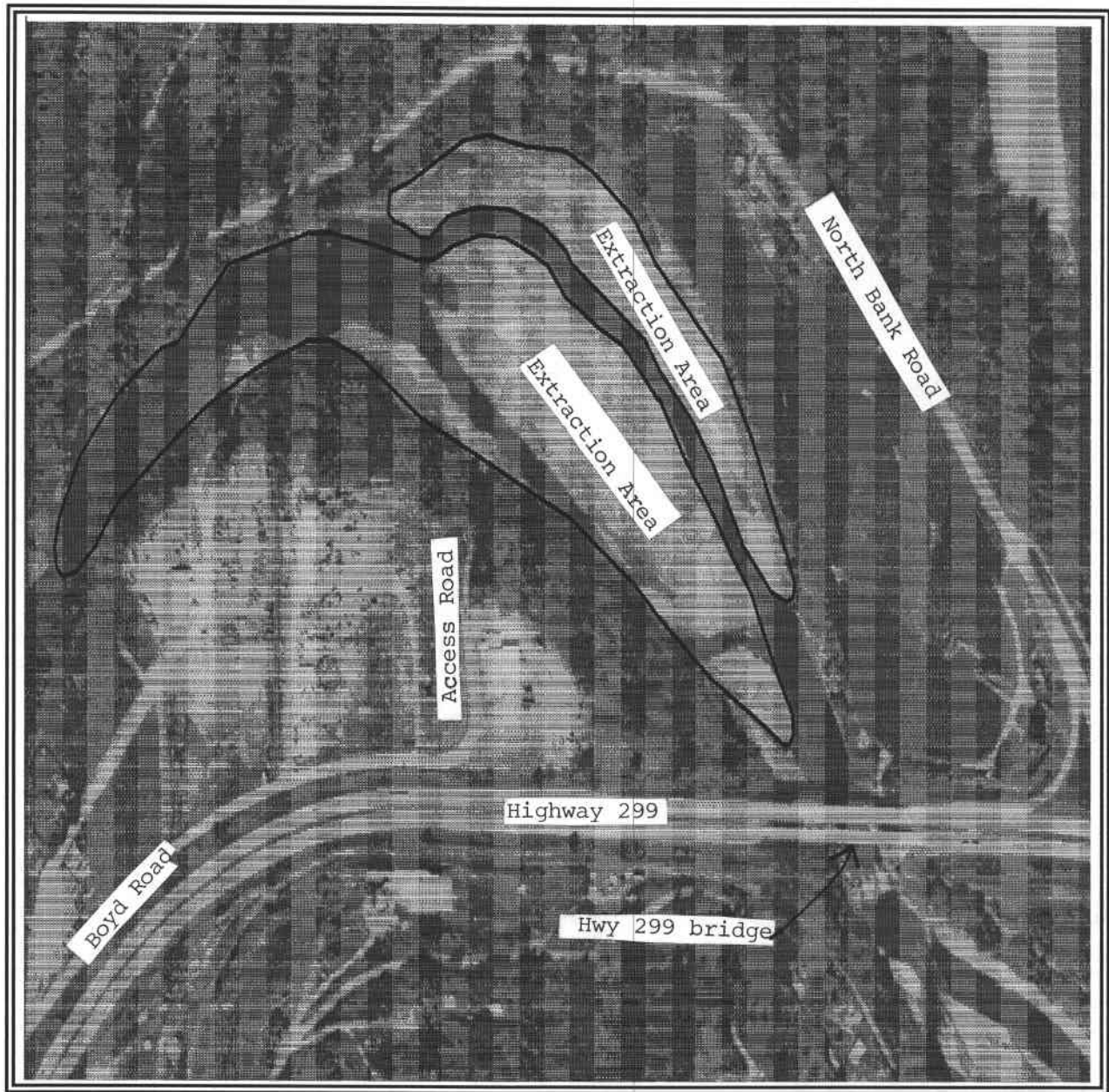
Site 7A, the Johnson-Spini bar, is characterized by two large gravel bars just downstream of the US 299 bridge, and a very small strip of gravel bar along the southerly bank. Moderate amounts of sediment have been deposited unevenly on the bars during the past winter. During a recent site visit, there was no vegetation on either bar; the northerly bank of the this stretch of river has been lined with rip rap, and supports a moderately dense cover of arroyo willow (scrub). The southerly edge of the project area is lined with a mature forest supporting a mix of cottonwood and red alder.

Site 7B is comprised primarily of the processing plant and storage yard. There is a mature stand of mixed scrub-forest vegetation along the easterly half of the slope descending from the upper terrace to the river. The entire area below this band of vegetation has been covered with up to several feet of sediment; no exposed gravel was noted.

The river makes a bend through the project area, beginning with a southeast to northwest flow and ending in a northeast to southwest flow. Access to the extraction area at site 7B is through the north end of the processing yard.

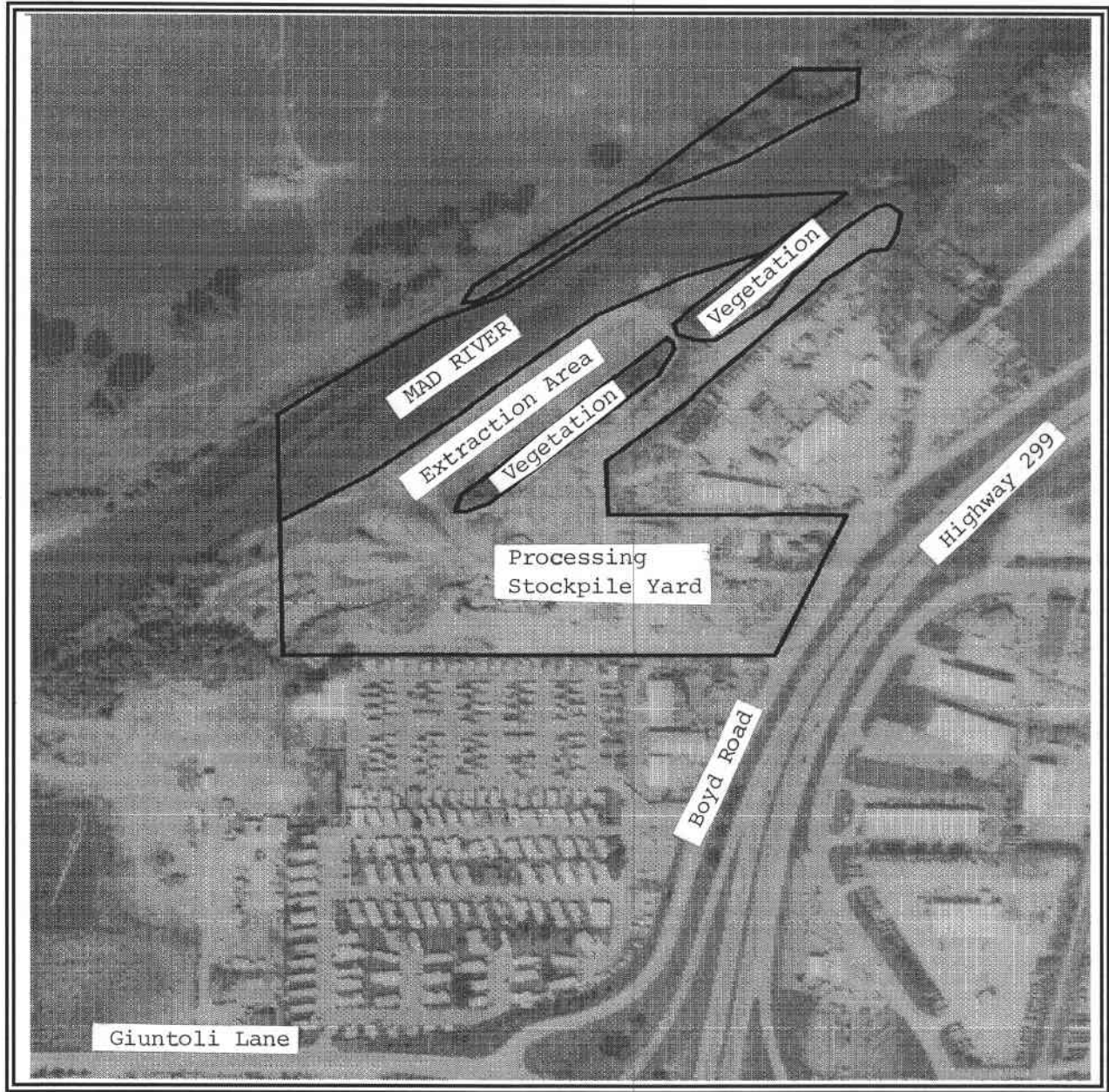
Arcata ReadMix has 16 dump trucks and nine concrete mixers which access Boyd Road adjacent to an industrial area. Boyd Road is also utilized by the adjacent Town and Country Trailer Park. Highway access from Boyd Road is available to the south for both Highway 101 and Highway 299.

During summer months, there are approximately 50-60 loads per day leaving the processing site, with an average maximum of 110 loads. As many as an additional 100 loads per day are transported along Boyd Road to the processing site when extraction at the Johnson-Spini Bar is occurring. During winter months, trips leaving the processing site are reduced to an average of 20 loads per day. Approximately 50 percent of those loads are presently attributable to material being imported to the plant from materials extracted from the Eel River and stored at Fields Landing.



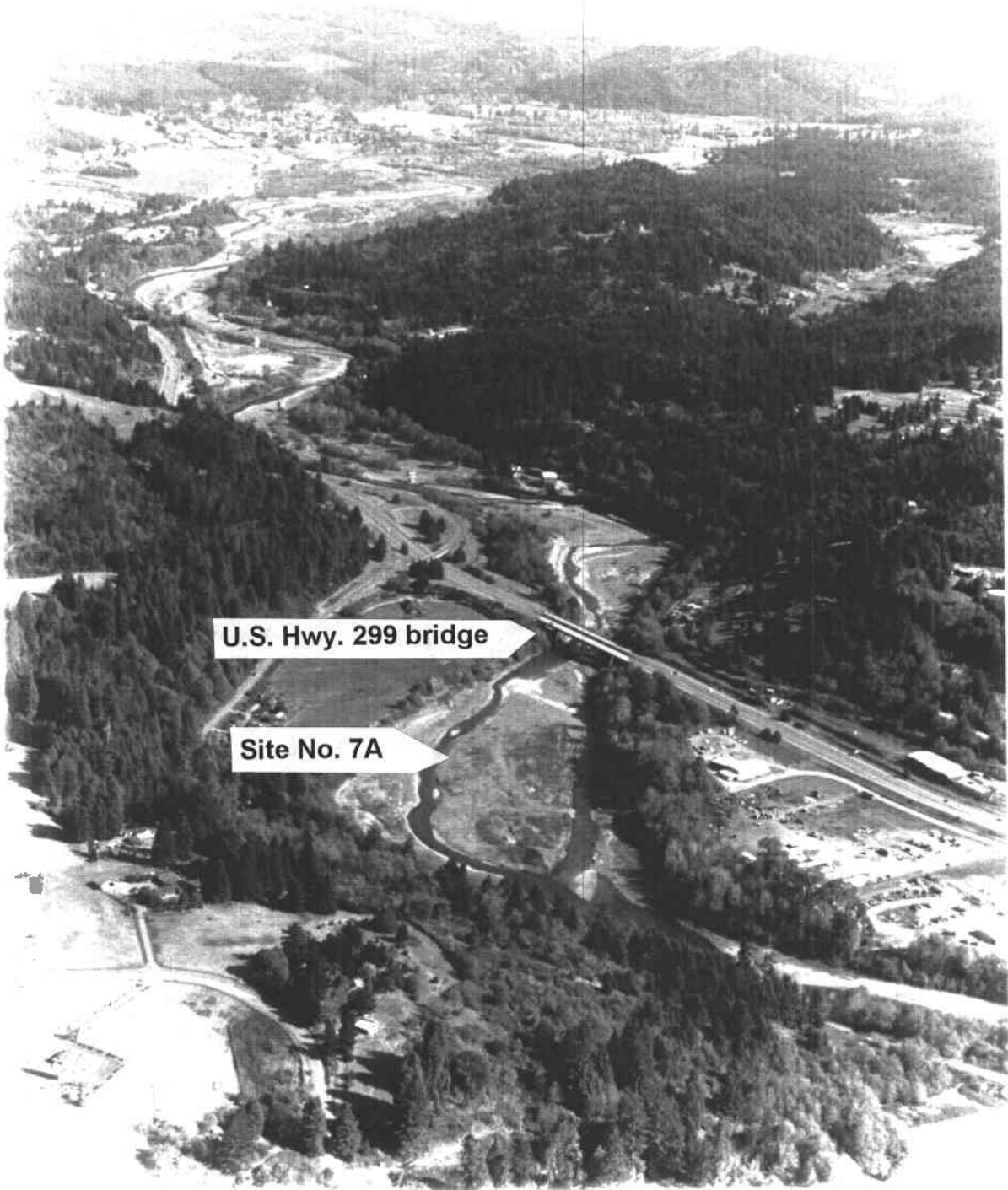
No Scale

Site Map
Site No. 7A
Johnson-Spini bar



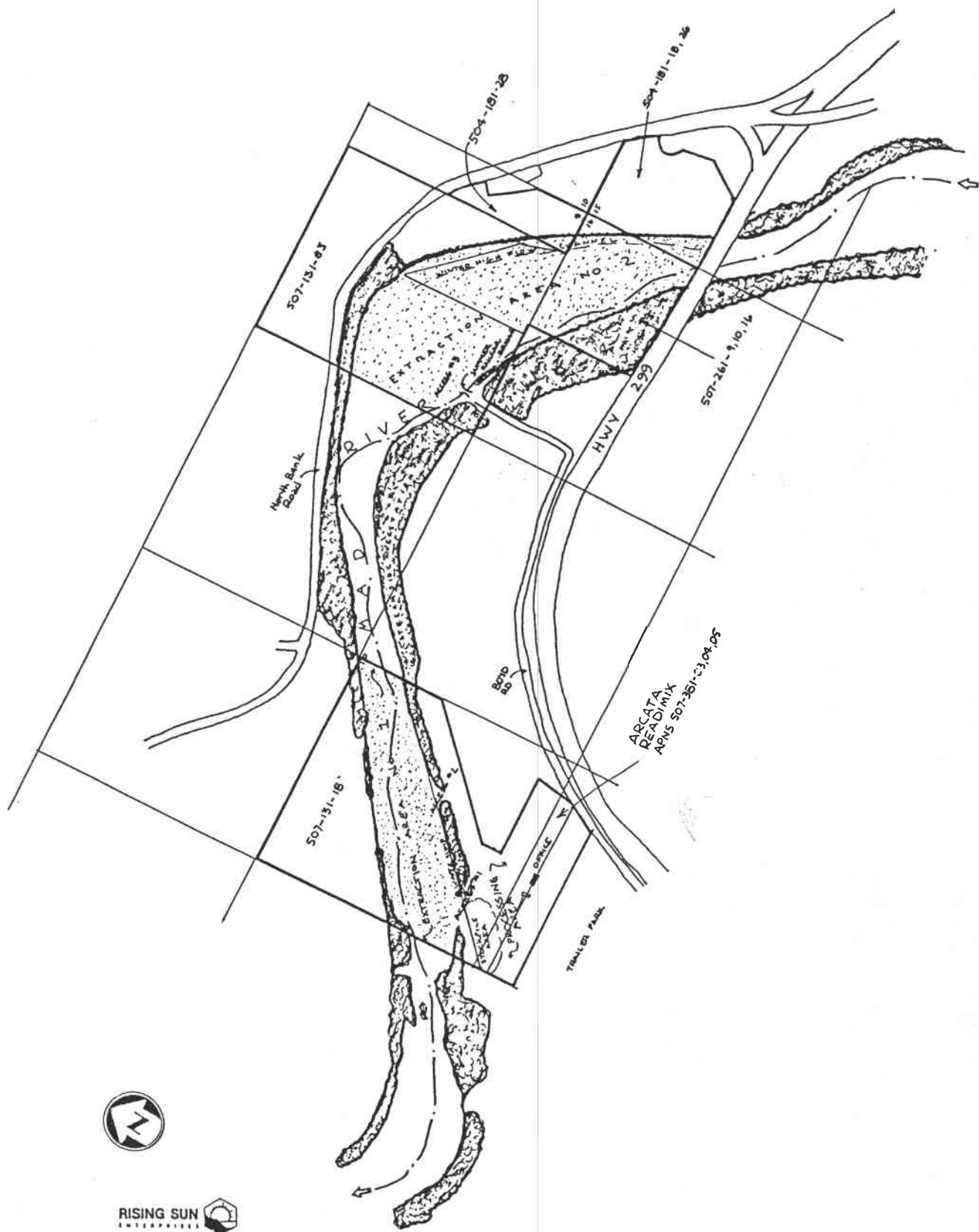
No Scale

Site Map
Site No. 7B
Johnson-Spini bar



U.S. Hwy. 299 bridge

Site No. 7A



SITE NO. 8

Common Site Name Graham-Zanzi Bar
Humboldt County Case No. SMR-09-91/CDP-46-91/SP-39-91
Mine I.D. No. 91-12-0030
Operator Redwood Empire Aggregates
P.O. Box 299
Arcata, CA 95521
(707) 822-4853

Property Owners/Owner of Mineral Rights:

Carol & Donald Graham
1706 Giuntoli Lane
Arcata, CA 95521
(707) 822-1060

Ellen Zanzi
P.O. Box 2542
Yountville, CA 94599

REA
P.O. Box 299
Arcata, CA 95521
(707) 822-4853

Agent of Process

Pacific Affiliates
835 Third Street
Eureka, CA 95501
(707) 445-3001

Project Location

Adjacent and north of the Valley West area of Arcata.
SW¼ Sec. 8, NE¼ Sec. 17, NW¼ Sec. 16, T6N, R1E, H.B.M.
Assessor Parcel Numbers 504-141-11, 32 & 42.
The project site is located within the Coastal Zone.
River mile ±6.6 (upstream bar and processing yard), ±6 (downstream bar)

Access

Access to the processing site and the upstream extraction area is from two private driveways that intersect with Giuntoli Lane, at the intersections of Giuntoli Lane with Valley East and Valley West Boulevards. Access to the downstream extraction area is approximately 1 mile north down a private drive that begins at the intersection of Giuntoli Lane with Valley West Boulevard.

Public access through the processing yard is restricted. Public access to the downstream bar is limited.

Project Description

On March 31, 1993, the County recognized a vested right for the commercial extraction of up to 95,000 cubic yards annually from the site. As of this writing the period for filing an appeal of the determination to recognize the vested right has not been exhausted. It is expected that an appeal will be filed.

This site has historically had a processing plant, as well as an asphalt batch plant, running with large amounts of gravel being processed. The operation totals approximately 80 acres. During extraction, 1 to 17 acres may be disturbed.

Environmental Setting

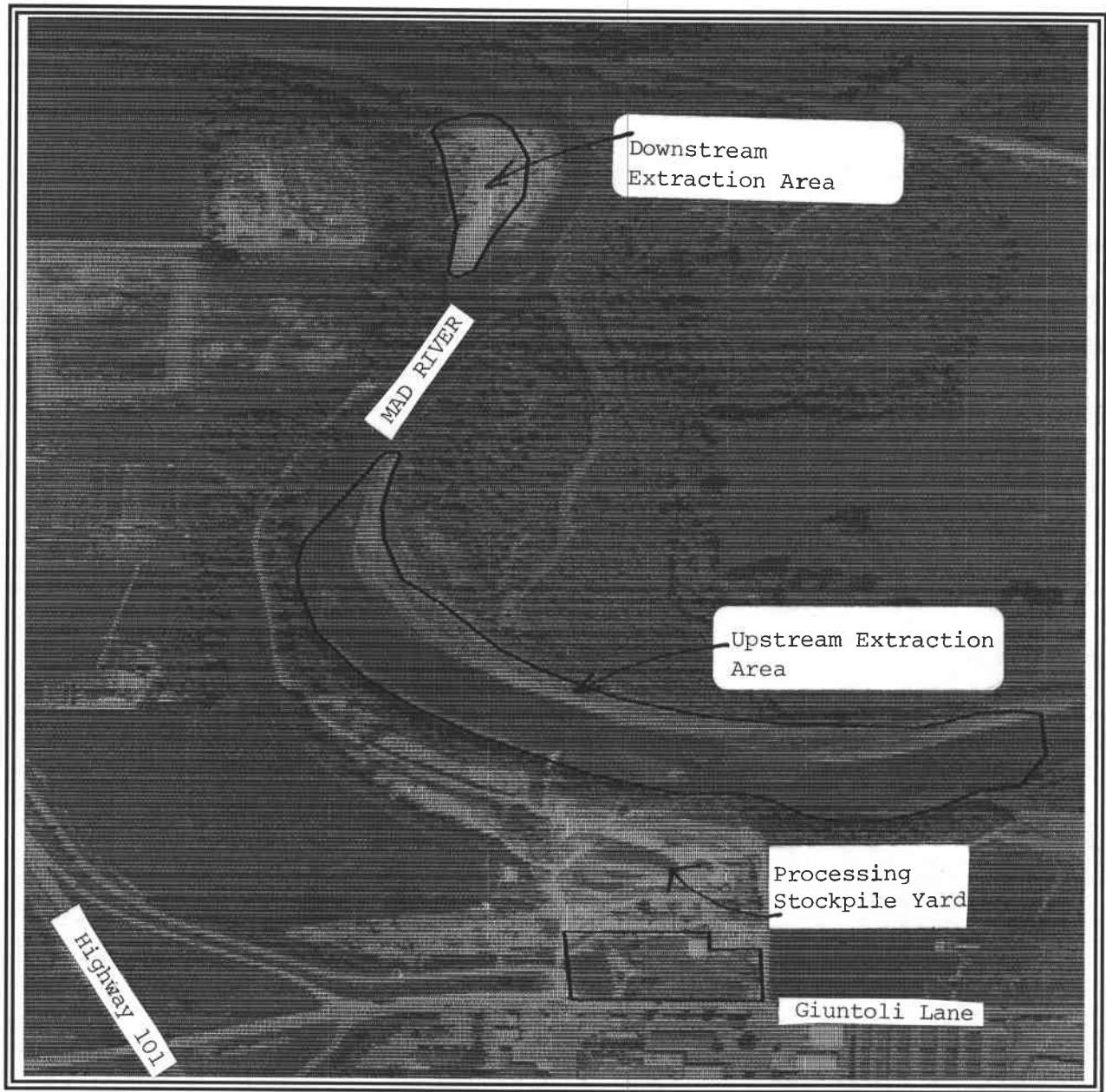
This site includes the Redwood Empire Aggregates (REA) processing yard and narrow bar on the south side of the river, a long narrow bar on the northerly bend on the river, and another bar on the westerly side of the downstream bend. The southerly side of the river supports a band of fairly mature forest, dominated by red alder with yellow willow and cottonwood present in lesser amounts. The southerly bar was covered with several feet of sediment at the time of field investigation. There is a pocket of mature scrub vegetation on the downstream bend, and sparse early scrub vegetation on the bar itself.

The northerly bar, across from the processing plant, is at the edge of a moderately aged stand of mixed forest vegetation which has developed within the last twenty-five years. Several low-lying areas within the forest are wet enough to support emergent vegetation. Thick sediment deposits with no exposed gravel have been noted on this bar. There are no stands of forest vegetation of equal or greater size downstream.

The Mad River flows south to north through the project area. Bank to bank average width is approximately 400 feet.

The nearest occupied structure is 200-300 feet south of the processing yard. The nearest residence to the east is approximately 500 feet. Residences west and north are 1,400 feet and 1,800 feet, respectively.

During the extraction season, REA receives gravel not only from its Graham bar, but also from the Johnson, Blue Lake and Emmerson gravel bars. Importation also occurs during the winter months from stockpiles in Nicholls Trucking yard in Blue Lake. REA has three dump trucks and rents others as needed. Exportation of materials from the Giuntoli site averages about 50 loads per day during the summer months with maximums approximating 120 loads per day. In addition, approximately 30-50 customers a day bring their private vehicles to be loaded with various aggregate materials. During winter months the number of loads is reduced to approximately 12 per day, on an average. Access onto Giuntoli Lane is either at Valley East or Valley West Boulevard, both a short distance to Highway 299 or Highway 101.



No Scale

Site Map
Site No. 8
Graham bar

SITE No. 9

Common Site Name Simpson-Zabel Bar

Humboldt County Case No. none

Mine I.D. No. none

Operator Zabel Trucking
P.O. Box 3772
Eureka, CA 95501
(707) 445-2958

**Property Owners/
Owner of Mineral Rights:** Simpson Train Company
P.O. Box 1169
Arcata, CA 95521
(707) 822-0371

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

Project Location

Just upstream and east of the Railroad Bridge. Adjacent to, and downstream of Site No. 5. SE $\frac{1}{4}$ Sec. 14, NW $\frac{1}{4}$ Sec. 23, SW $\frac{1}{4}$ Sec. 13, T6N, R1E, H.B.M. Assessor Parcel Numbers 504-131-02 & 04; 516-161-04. River mile \pm 9.8.

Access

Access to the site is from a private road that intersects Glendale Drive, approximately 1000 feet east of the intersection of Larson Heights Road with Glendale Drive. Public access to the site is restricted, or is made by foot or 4-wheel drive from below the Railroad Bridge.

Project Description

The operation has extracted up to 40,000 cubic yards annually. At this writing no permits or reclamation plans have been approved for this site. The operation totals approximately 50 acres. During extraction, 1 to 27 acres may be disturbed.

The operation involves extraction only; no stockpiles or processing occur on-site.

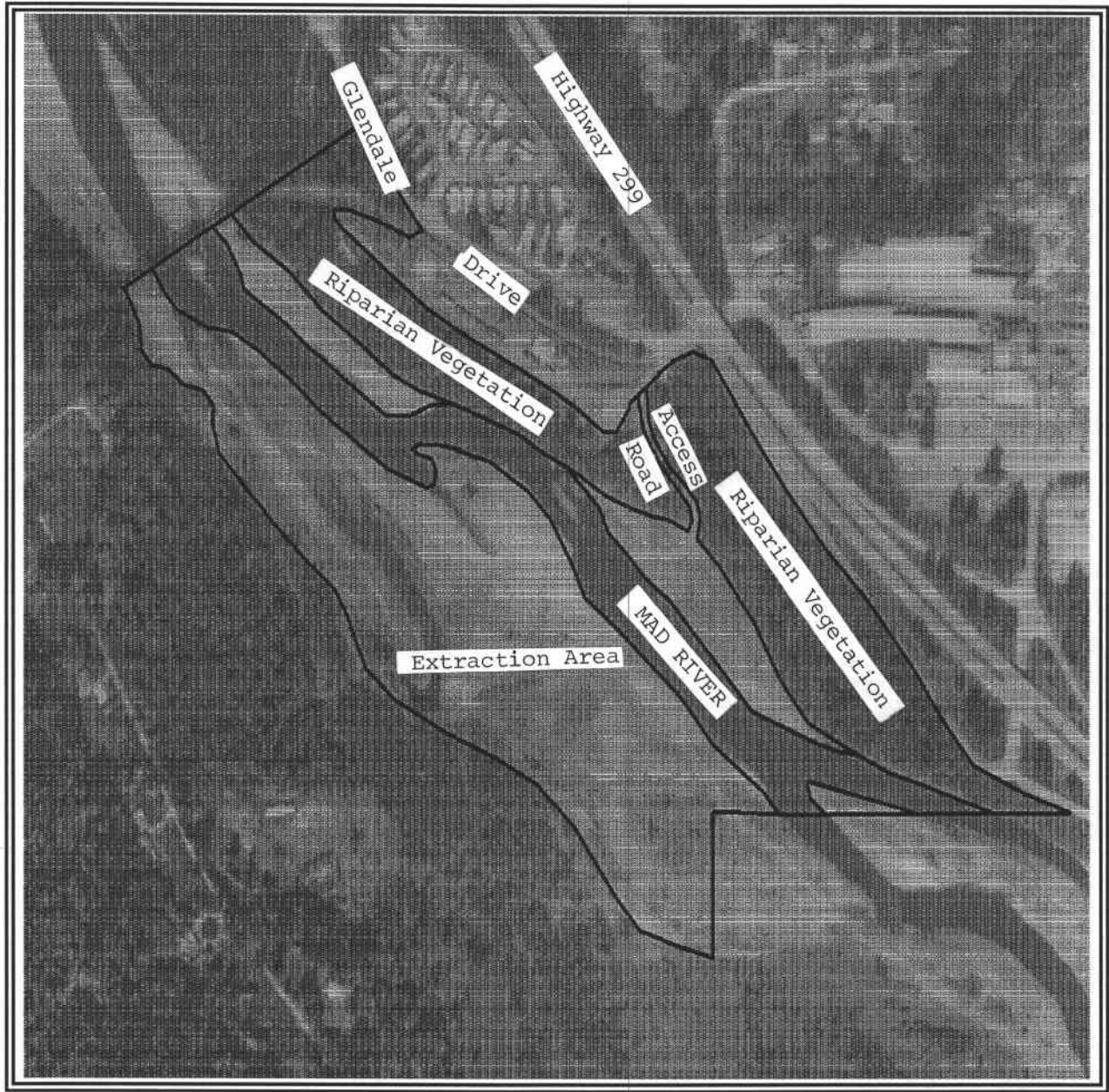
Environmental Setting

The Simpson-Zabel Bar is bound by native slopes rather than alluvial terraces on both sides of the river. The current channel is on the northerly side of the canyon. This site supports an open gravel bar habitat with early scrub vegetation being sparse to absent. The banks on both sides of the river support mature arroyo willow on the lower slope and a mature red alder forest on the upper slope. At the top of both banks, the deciduous riparian forest grades into a mixed forest with cottonwood, alder, and sparse California bay (*Umbellularia californica*) and Sitka spruce (*Picea sitchensis*).

Extraction may occur on both sides of the river, and a summer bridge crossing is required. The river flows east to west through the project area.

Approximately 35 trailers are the nearest residences, approximately 400 feet to the north within the Glendale trailer park area. These trailers would also be subjected to noise from Highway 299.

Other residences on the south side of the river, off of Walnut Creek Road may be within 600 feet of extraction equipment.



No Scale

Site Map
Site No. 9
Simpson-Zabel bar

SITE No. 10

Common Site Name Simpson Bar

Humboldt County Case No. none

Mine I.D. No. none

Operator Simpson Timber Company

**Property Owners/
Owner of Mineral Rights:** Simpson Timber Company
P.O. Box 1169
Arcata, CA 95521
(707) 822-0371

Agent of Process unknown

Project Location

Approximately ¼ mile downstream from the Mad River Hatchery.
River mile ±14.

Access

Access to the site is by a private road that intersects Hatchery Road approximately ¾ mile south of the intersection of West End Road with Hatchery Road. Public access to the site is restricted.

Project Description

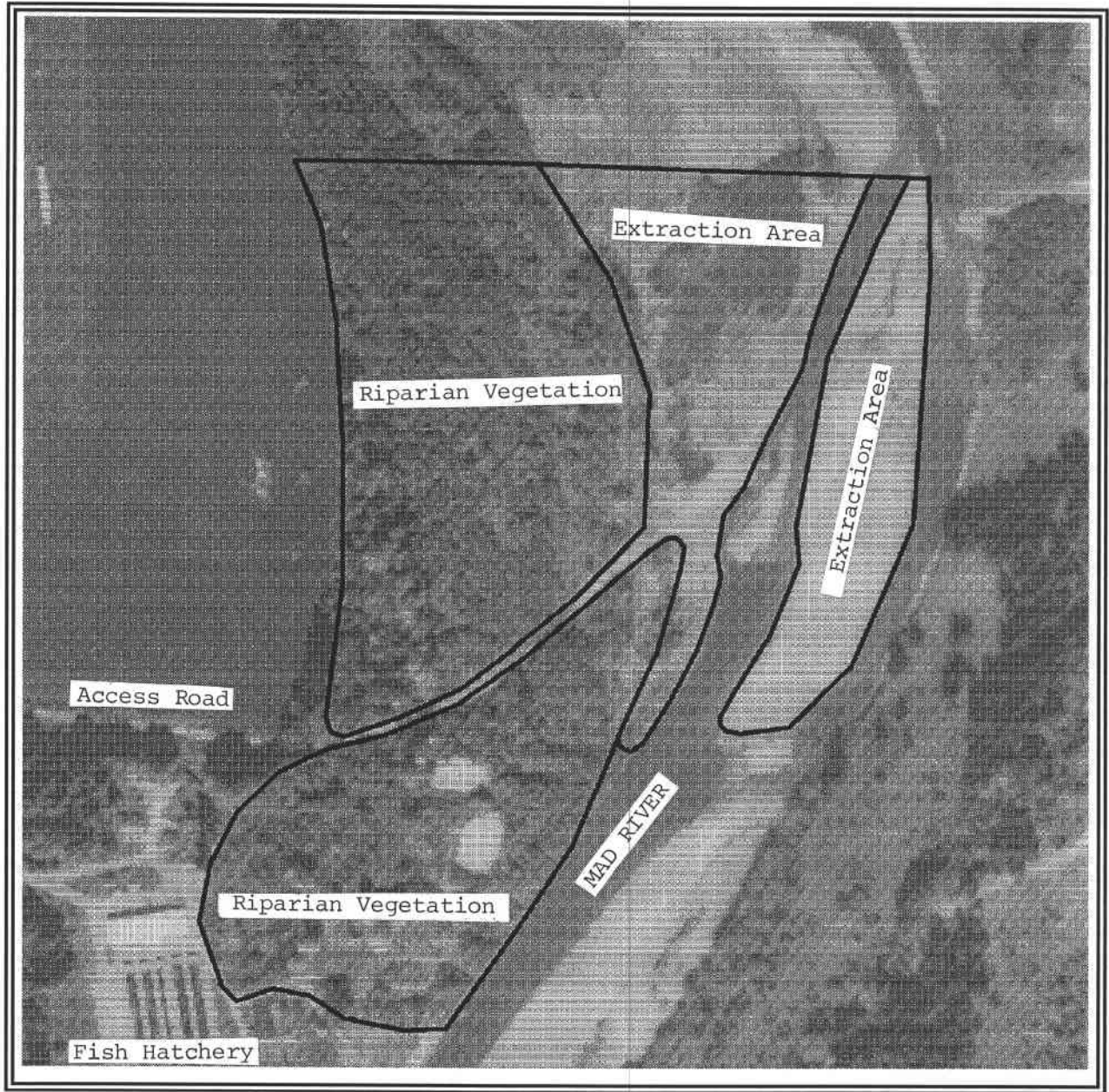
The site is a historic non-commercial extraction site for the Simpson Timber Company. Material extracted from the site is used to develop and maintain timber haul roads and to rock and patch the Simpson log deck. Affidavits from retired Simpson employees show upwards of 40,000 cubic yards being extracted annually. Future production levels are expected to average less than 5,000 cubic yards annually, with a maximum extraction of 25,000 cubic yards per year.

The operation totals approximately 3.2 acres. The operation involves extraction only, no stockpiles or processing occur on-site.

Environmental Setting

This site is located at the upstream end of the Blue Lake Valley. It is characterized by a mid-stream gravel bar (with gravel bar habitat), gravel bar and early to mid-aged scrub on the easterly side, and mixed young and moderate age scrub on the westerly side. Portions of the westerly bank are being actively eroded. While mature scrub and riparian forest were not observed within the active area, they are located adjacent to and westerly from the site.

Extraction may occur on both sides of the Mad River, which flows south to north through the project site.



No Scale

Site Map
Site No. 10
Upper Simpson bar

