

SURVEY OF OLD RIVER BRANCH OF SAN JOAQUIN RIVER,
CALIFORNIA.

LETTER

FROM

THE SECRETARY OF WAR,

TRANSMITTING,

*With letter of the Chief of Engineers, report of a survey of Old River
branch of San Joaquin River, California.*

JANUARY 22, 1895.—Referred to the Committee on Rivers and Harbors and ordered to
be printed.

WAR DEPARTMENT,
Washington, January 21, 1895.

SIR: I have the honor to inclose herewith a letter from the Chief of
Engineers dated January 18, 1895, together with a copy of a report
from Maj. W. H. Heuer, Corps of Engineers, dated January 9, 1895, of
a survey made by him in compliance with the provisions of the river
and harbor act of August 17, 1894, of Old River branch of San Joaquin
River, California.

Very respectfully,

DANIEL S. LAMONT,
Secretary of War.

The SPEAKER OF THE HOUSE OF REPRESENTATIVES.

OFFICE OF THE CHIEF OF ENGINEERS,
UNITED STATES ARMY,
Washington, D. C., January 18, 1895.

SIR: The river and harbor act of August 17, 1894, provides for a
survey of Old River branch of San Joaquin River, California, and I
have now the honor to inclose a copy of report of January 9, 1895,
with map, by Maj. W. H. Heuer, Corps of Engineers, submitted under
this item of the act mentioned.

The project proposed by Major Heuer contemplates obtaining a
depth of 5 feet in a channel 50 feet wide through the shoals between
Naglees Ferry and Naglee's warehouse, at an estimated cost of \$2,000.

Very respectfully, your obedient servant,

THOS. LINCOLN CASEY,
Brig. Gen., Chief of Engineers.

HON. D. S. LAMONT,
Secretary of War.

SAN JOAQUIN RIVER, CALIFORNIA.

SURVEY OF OLD RIVER BRANCH OF SAN JOAQUIN RIVER, CALIFORNIA.

UNITED STATES ENGINEER OFFICE,
San Francisco, Cal., January 9, 1895.

GENERAL: In compliance with the act of Congress of August 17, 1894, and your instructions, I submit herewith a tracing of that part of Old River branch of San Joaquin River, California, which has been obstructed by sand bars. The preliminary examination of the river was made in August, 1892, and the report thereon printed as House Ex. Doc. No. 18, Fifty-second Congress, second session.

To obtain a depth of 5 feet of water in a channel 50 feet wide through these shoals will require the removal of about 8,000 cubic yards of material, measured in place. To get a dredge on the ground and back to her work will cost about \$800, and the dredging can be done at an estimated cost of 15 cents per cubic yard; or the total estimated cost of the removal of the shoal is \$2,000.

As the commerce over this section of the river averages nearly 5,000 tons of wheat and barley per year, it is thought to be worthy of improvement to the extent of removing these shoals.

Respectfully submitted.

W. H. HEUER,
Major, Corps of Engineers.

Brig. Gen. THOMAS L. CASEY,
Chief of Engineers, U. S. A.

(Through Col. G. H. Mendell, Corps of Engineers, Division Engineer,
 Pacific Division.)

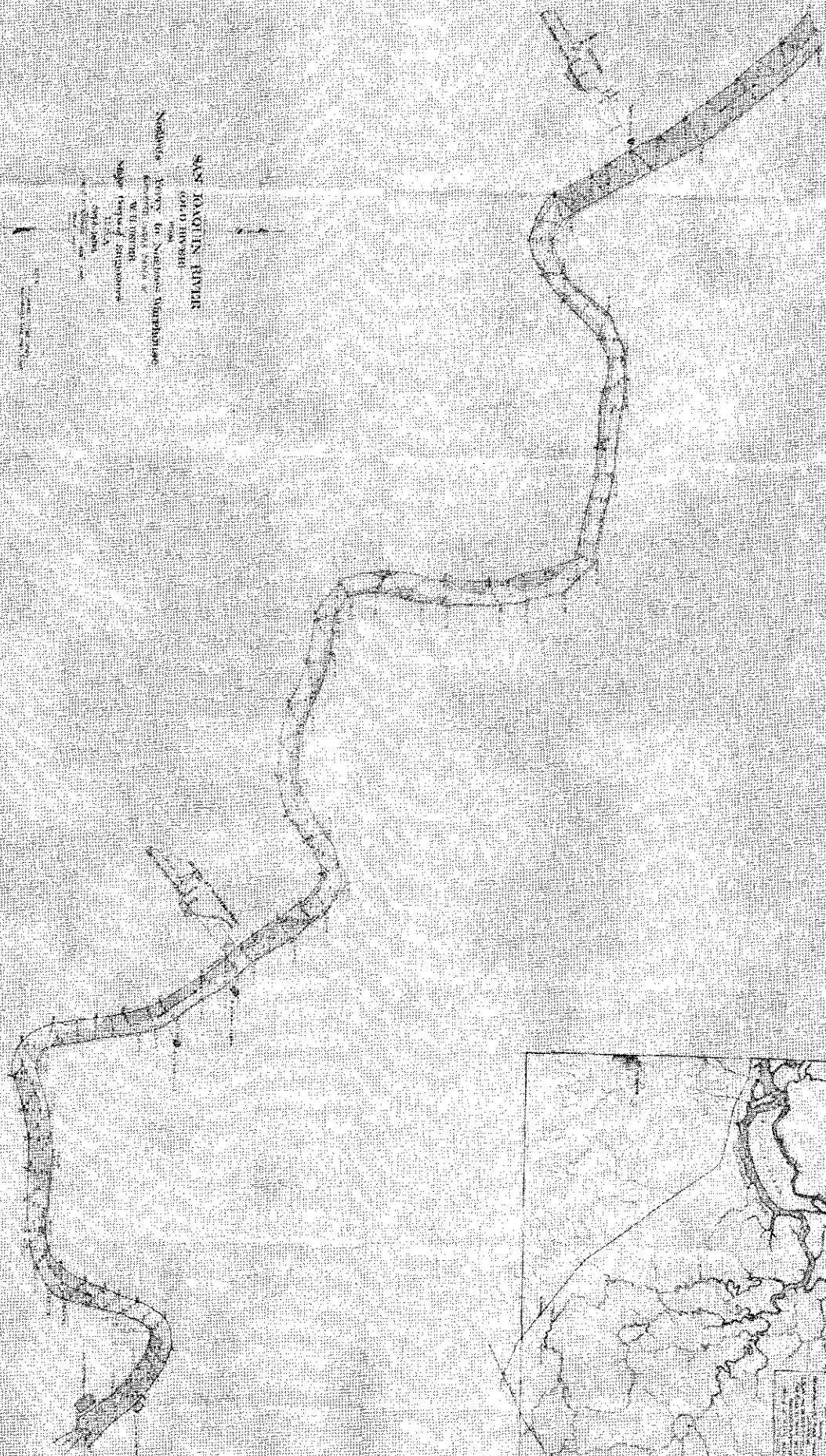
[First indorsement.]

UNITED STATES ENGINEER OFFICE,
San Francisco, Cal., January 10, 1895.

Respectfully forwarded, recommended.

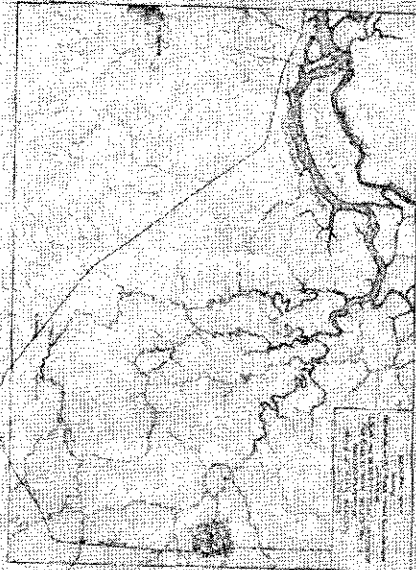
G. H. MENDELL,
Colonel, Corps of Engineers, Division Engineer.

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SAN JOAQUIN RIVER
 BEHRENS & CO. ENGINEERS
 1880

BEHRENS & CO. ENGINEERS
 1880



BEHRENS & CO. ENGINEERS
 1880

SAN JOAQUIN RIVER
— (OLD RIVER) —

RECEIVED

Nagle's Ferry to Nagle's Warehouse
SURVEYED UNDER ORDER OF
W. H. HERRIK

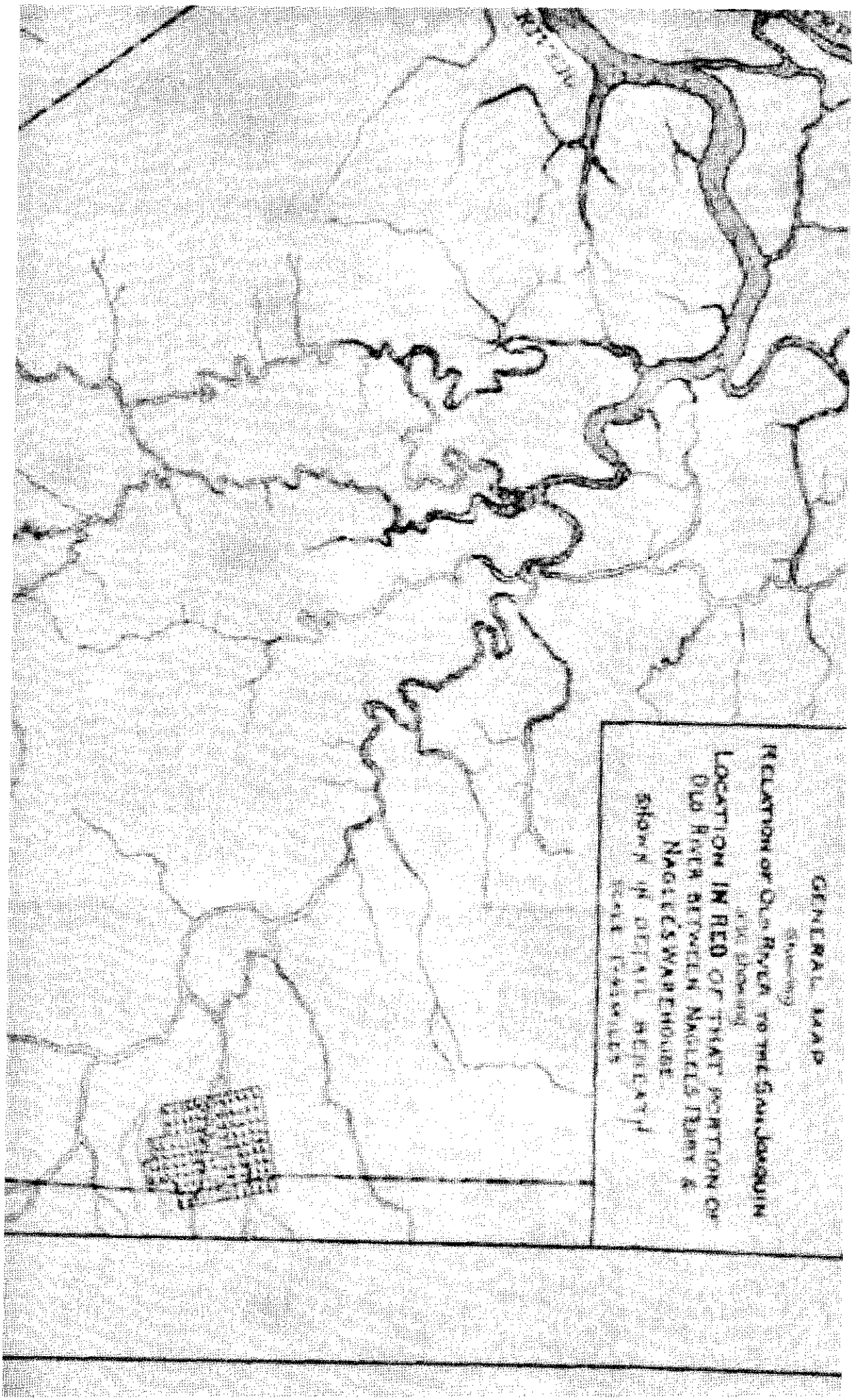
Major Corps of Engineers
U. S. A.

Sept. 1894

FRED C. BROWNIE ASST. ENG.

SCALE 1000 FT.

NOTE:
All areas tinted show
soundings less than 5 feet



GENERAL MAP

Showing

the location

RELATION OF OLD RIVER TO THE SANDUSQUIN
LOCATION IN BED OF THAT PORTION OF
OLD RIVER BETWEEN NAUGLES DAM &
NAUGLES WAREHOUSE

SHOWN IN DETAIL SKETCH

SCALE 1:50,000