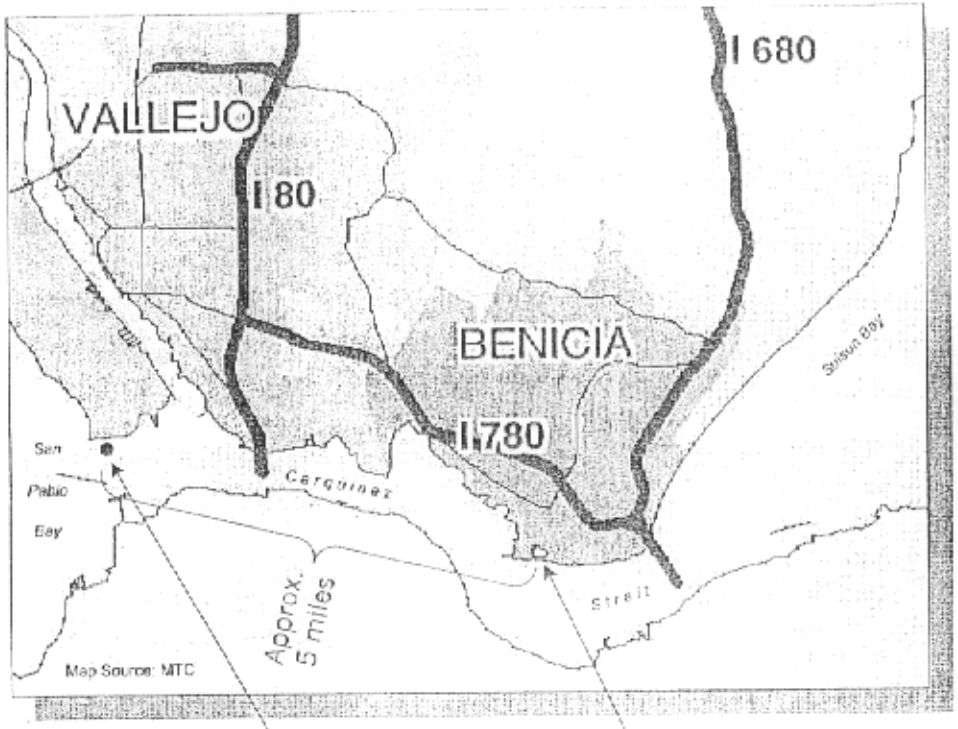
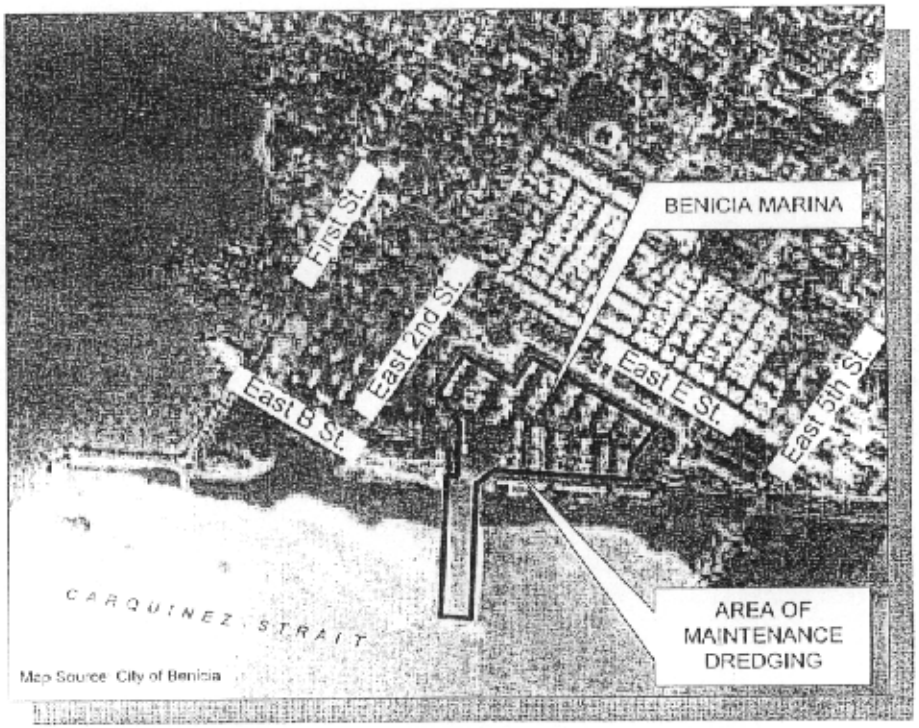


VICINITY MAP



LOCATION MAP

N
W E
S
No Scale

REVISIONS

NO	DESCRIPTION	BY	DATE
1	Issued	MWI	12-10-01
2	Added distance to SF-9 note	MWI	1-15-02

THE CITY OF BENICIA CALIFORNIA

CITY OF BENICIA

PUBLIC WORKS DEPARTMENT

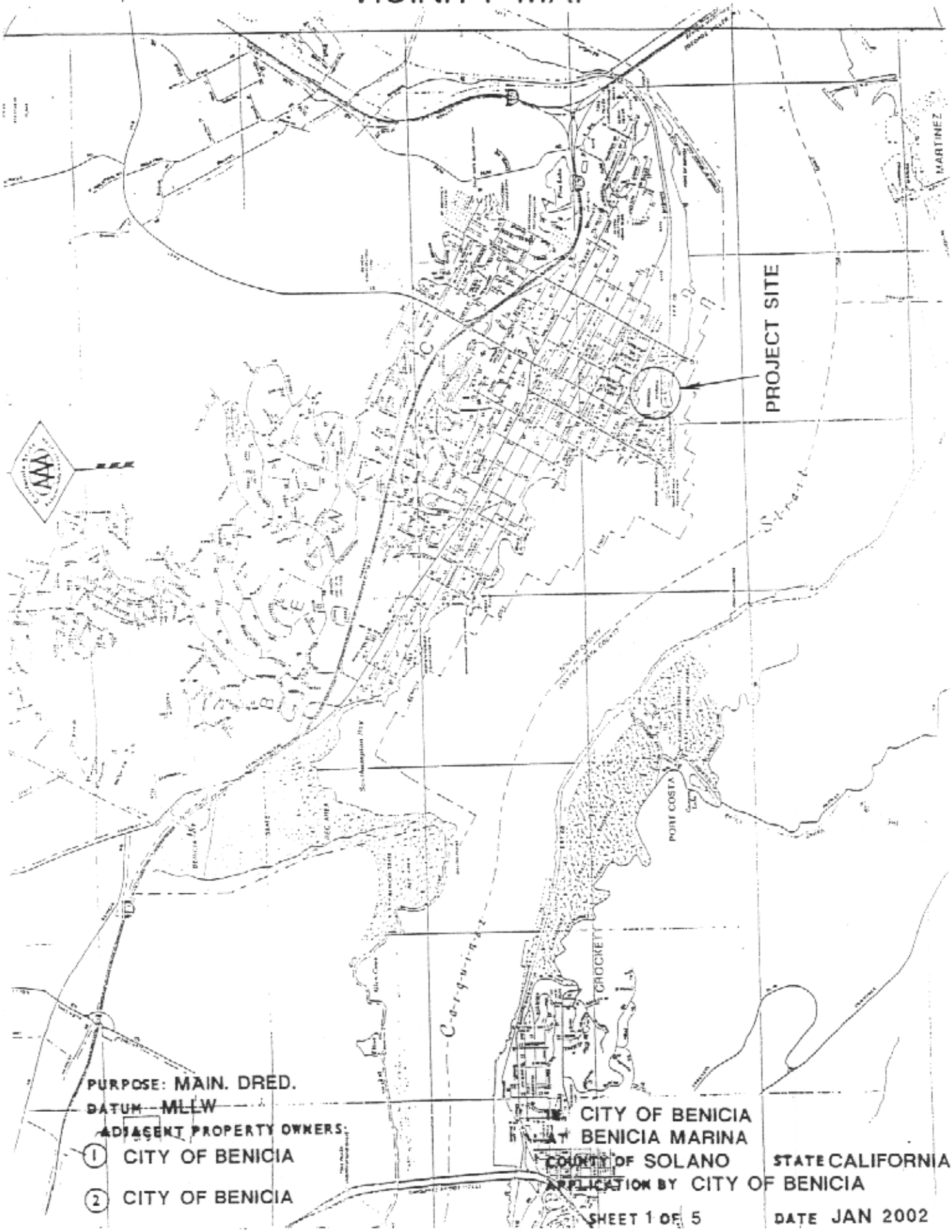
BENICIA MARINA MAINTENANCE DREDGING

PROJECT
MAINTENANCE DREDGING
USACE PERMIT NO. 22724N
EPISODE 3

DATE
DECEMBER 2001

SHEET
1 OF 1

VICINITY MAP



PURPOSE: MAIN. DRED.

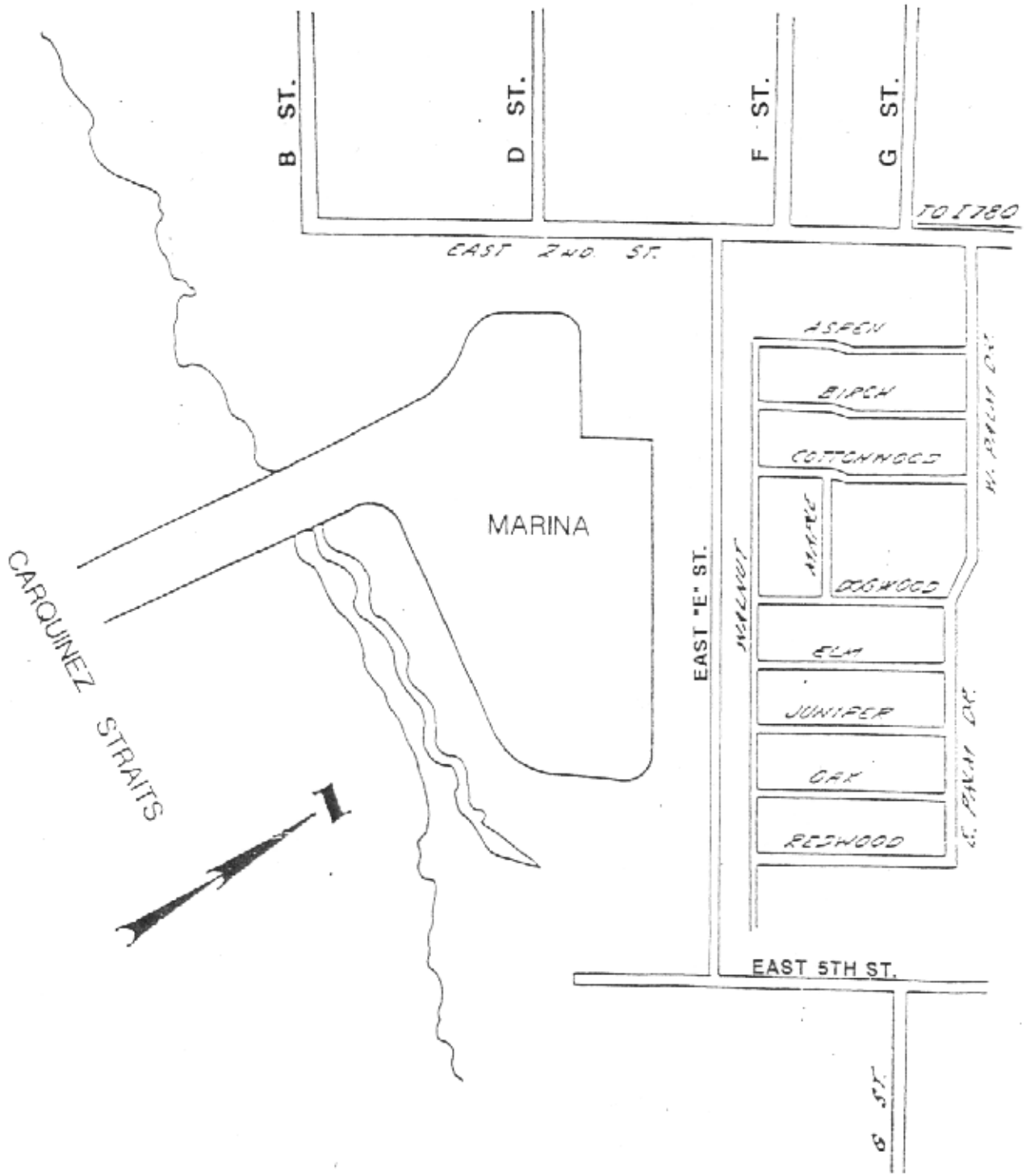
DATUM - MLLW

ADJACENT PROPERTY OWNERS:

1. CITY OF BENICIA
2. CITY OF BENICIA

CITY OF BENICIA
AT BENICIA MARINA
COUNTY OF SOLANO
STATE CALIFORNIA
APPLICATION BY CITY OF BENICIA
SHEET 1 OF 5
DATE JAN 2002

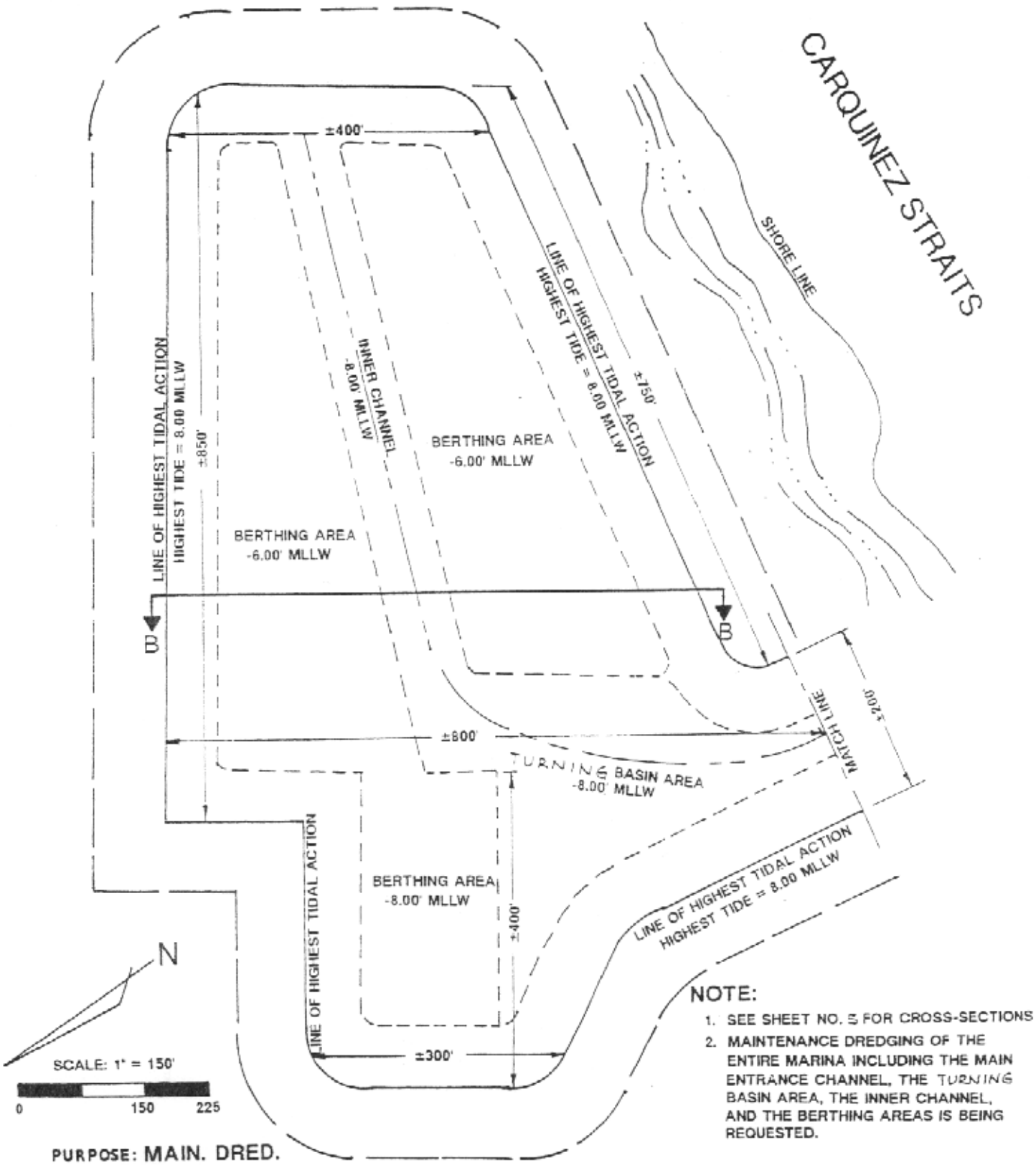
VICINITY MAP



PURPOSE: MAIN. DRED.
DATUM MLLW
ADJACENT PROPERTY OWNERS:
(1) CITY OF BENICIA
(2) CITY OF BENICIA

IN CITY OF BENICIA
AT BENICIA MARINA
COUNTY OF SOLANO STATE CALIFORNIA
APPLICATION BY CITY OF BENICIA
SHEET 2 OF 5 DATE JAN 2002

PLAN VIEW - BENICIA MARINA MAINTENANCE DREDGING



NOTE:

1. SEE SHEET NO. 5 FOR CROSS-SECTIONS
2. MAINTENANCE DREDGING OF THE ENTIRE MARINA INCLUDING THE MAIN ENTRANCE CHANNEL, THE TURNING BASIN AREA, THE INNER CHANNEL, AND THE BERTHING AREAS IS BEING REQUESTED.

PURPOSE: MAIN. DRED.

DATUM MLLW

ADJACENT PROPERTY OWNERS:

1. CITY OF BENICIA
2. CITY OF BENICIA

IN CITY OF BENICIA

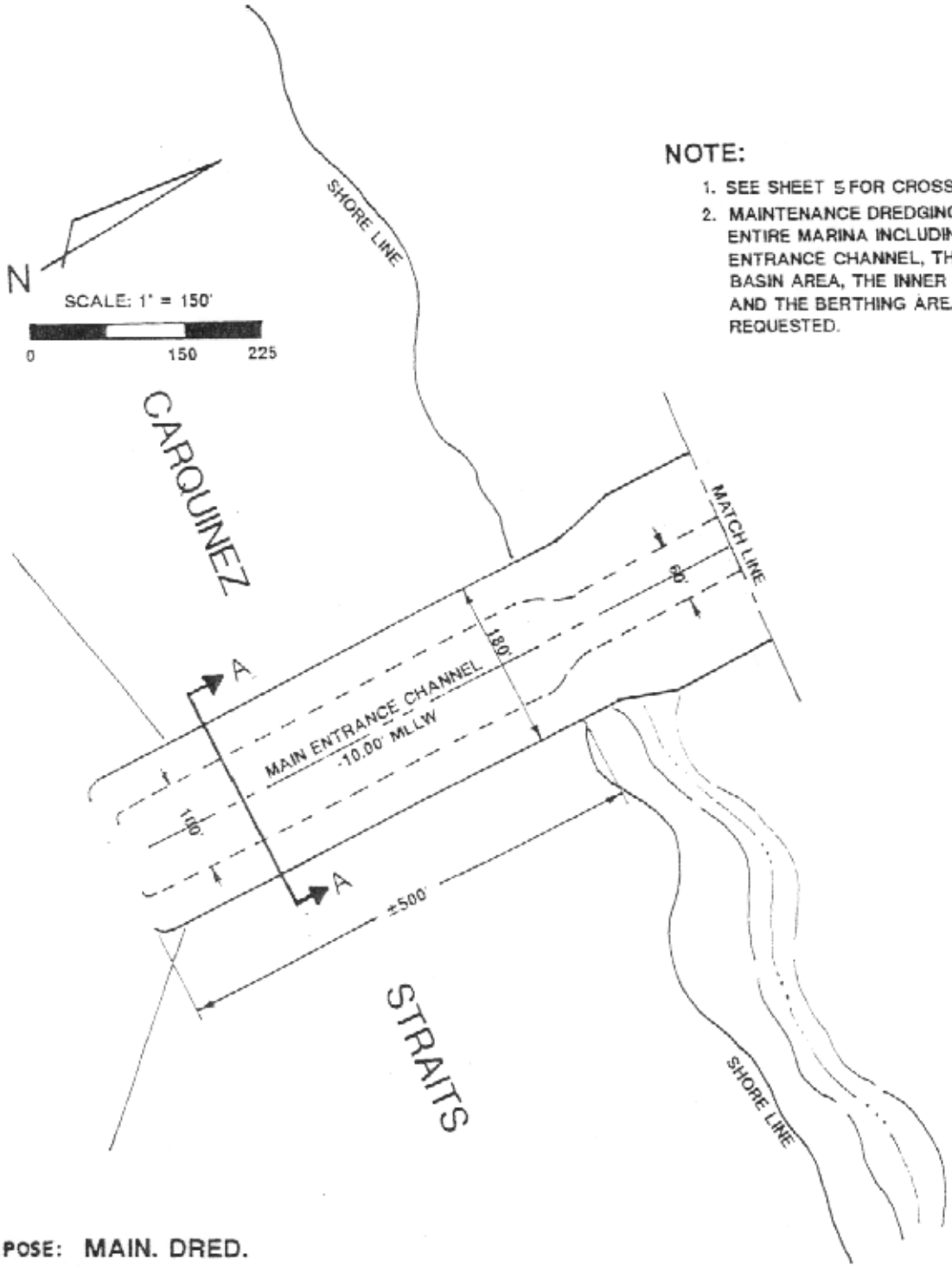
AT BENICIA MARINA

COUNTY OF SOLANO STATE CALIFORNIA

APPLICATION BY CITY OF BENICIA

SHEET 3 OF 5 DATE JAN 2002

PLAN VIEW - BENICIA MARINA MAINTENANCE DREDGING



NOTE:

1. SEE SHEET 5 FOR CROSS-SECTION
2. MAINTENANCE DREDGING OF THE ENTIRE MARINA INCLUDING THE MAIN ENTRANCE CHANNEL, THE TURNING BASIN AREA, THE INNER CHANNEL, AND THE BERTHING AREAS IS BEING REQUESTED.

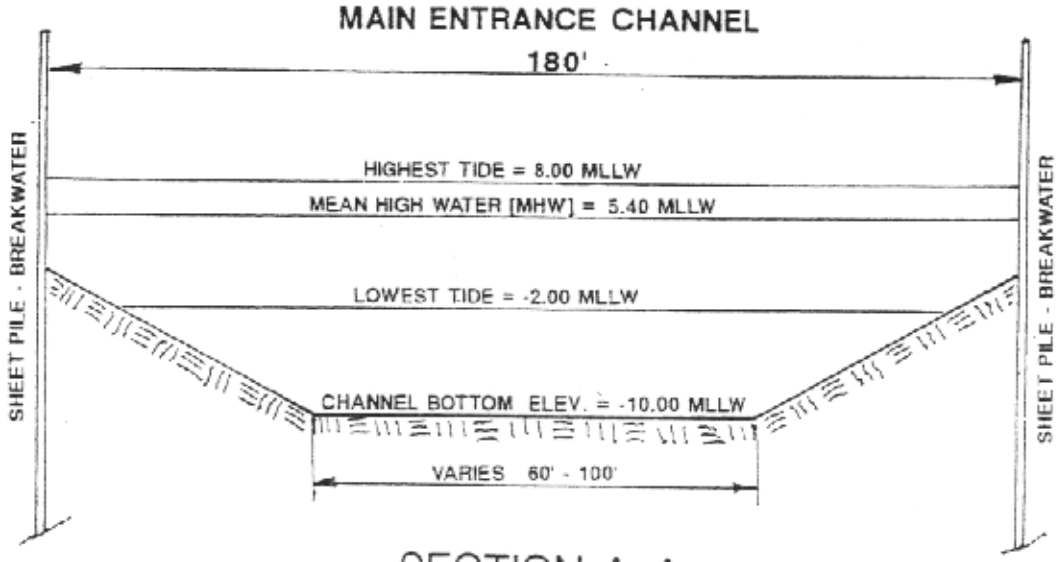
PURPOSE: MAIN. DRED.
DATUM MLLW
ADJACENT PROPERTY OWNERS:
(1) CITY OF BENICIA
(2) CITY OF BENICIA

IN CITY OF BENICIA
AT BENICIA MARINA
COUNTY OF SOLANO STATE CALIFORNIA
APPLICATION BY CITY OF BENICIA

SHEET 4 OF 5 DATE JAN 2002

CROSS-SECTION PLAN

BENICIA MARINA MAINTENANCE DREDGING

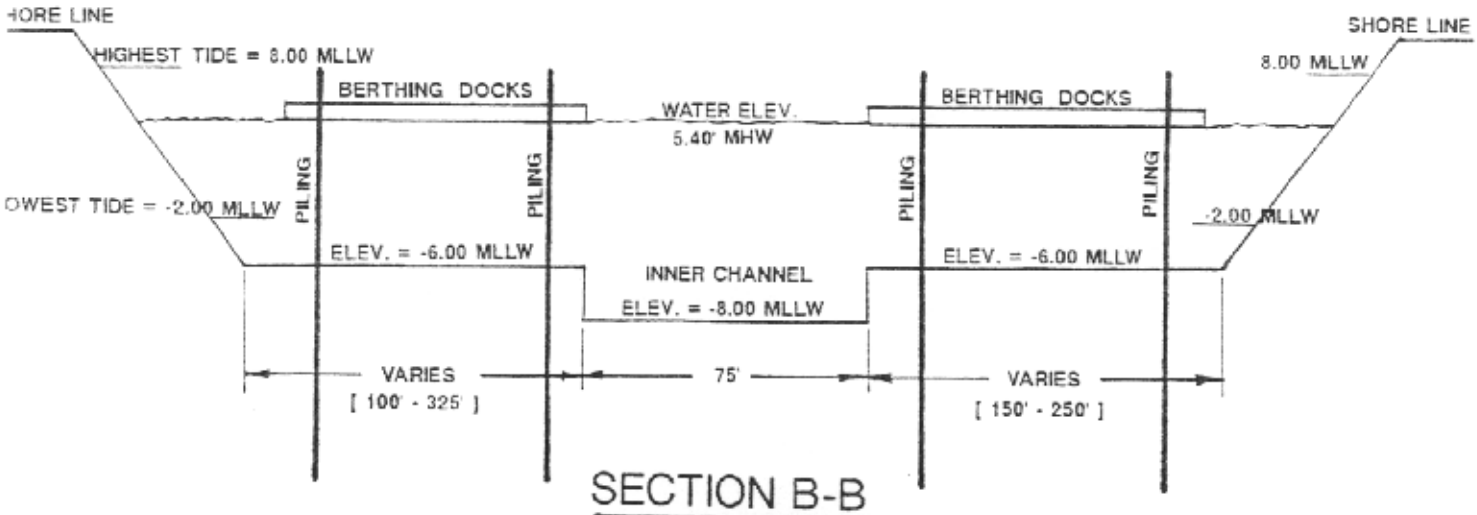


SECTION A-A

NO SCALE

NOTE:

1. MAINTENANCE DREDGING OF THE ENTIRE MARINA INCLUDING THE MAIN ENTRANCE CHANNEL, THE TURNING BASIN AREA, THE INNER CHANNEL, AND THE BERTHING AREAS IS BEING REQUESTED.



SECTION B-B

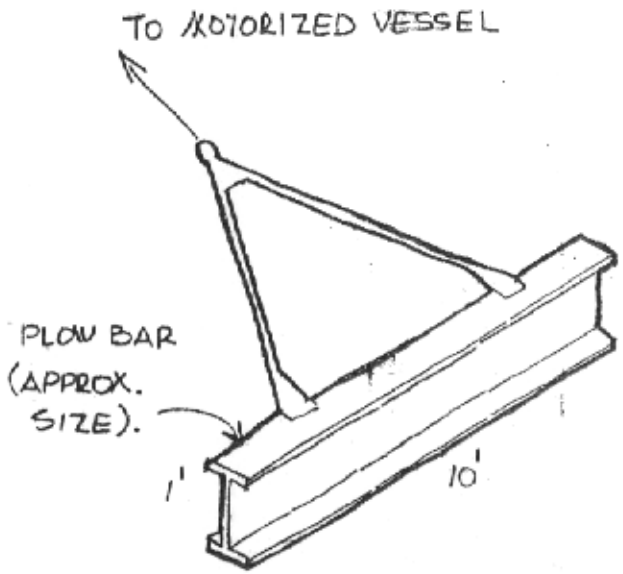
NO SCALE

PURPOSE: MAIN. DRED.
DATUM MLLW
ADJACENT PROPERTY OWNERS:

1. CITY OF BENICIA
2. CITY OF BENICIA

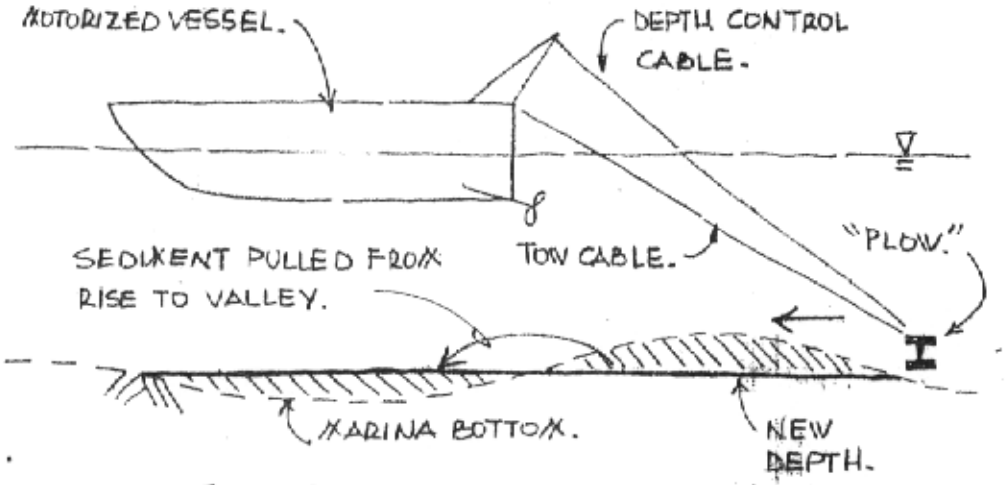
IN CITY OF BENICIA
AT BENICIA MARINA
COUNTY OF SOLANO STATE CALIFORNIA
APPLICATION BY CITY OF BENICIA

SHEET 5 OF 5 DATE JAN 2002



PLOW DETAIL

- PLOW BAR MAY BE I OR H BEAM OR SCALLOP-SHAPED.
- BAR MAY BE STRAIGHT OR V-SHAPED. (STRAIGHT I-BEAM PLOW SHOWN).



TYPICAL LEVELING OPERATION

REVISIONS			
NO.	DESCRIPTION	BY	DATE
0	Issued	MWT	5-27-02

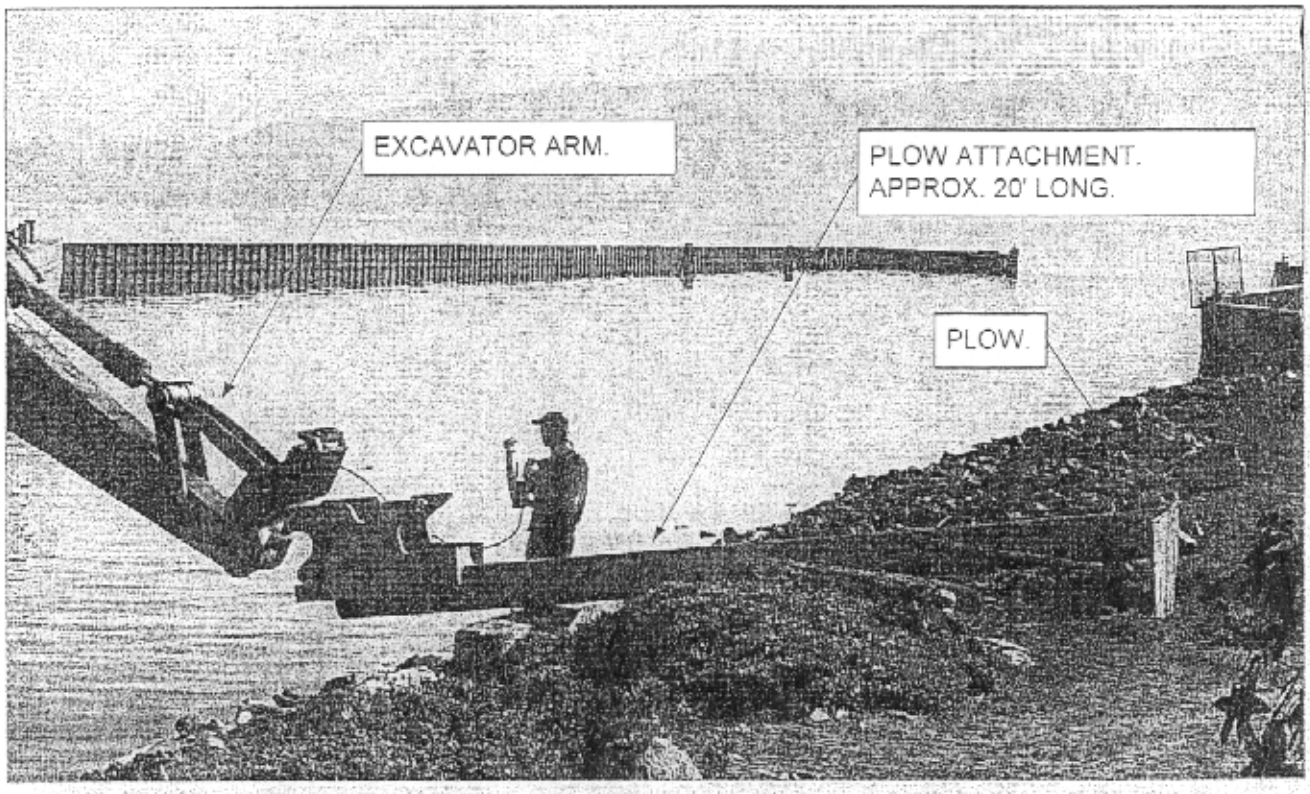
THE CITY OF BENICIA CALIFORNIA

CITY OF BENICIA

PUBLIC WORKS DEPARTMENT

PROPOSED SEDIMENT LEVELING METHOD

PROJECT	DATE	SHEET
KNOCKDOWN OPERATION PLAN	MAY 2002	EXHIBIT D



PHOTOGRAPHED 12-2-02 BY CULLEN ENGINEERING ASSOCIATES, BENICIA.

SEDIMENT PLOW USED IN 2002 DREDGING EPISODE

REVISIONS			
NO	DESCRIPTION	BY	DATE
0	Issued	MWT	10-30-02
1	Revised exhibit with plow image	MWT	1-13-03

THE CITY OF BENICIA CALIFORNIA

CITY OF BENICIA | PUBLIC WORKS DEPARTMENT

SEDIMENT PLOW

PROJECT	DATE	SHEET
KNOCKDOWN OPERATION PLAN	MAY 2002	EXHIBIT E