

located within La Crosse County are the La Crosse River, Halfway Creek, Pammel Creek, and Mormon Creek.

The total land area of La Crosse County is 300,160 acres, of which approximately 250,000 acres are committed to agriculture. Of these 250,000 acres, 46 percent is cropland, 36 percent is woodland, and 18 percent is committed to other uses. Most of the floodplains are residential and farm areas. As the incorporated areas grow, there is a great tendency to build in the floodplain areas due to a lack of other suitable sites

### 2.3 Principal Flood Problems

#### Mississippi River:

The Mississippi River flows in a generally north-south direction in the study area. The main channel has numerous side channels that meander around islands and through slough areas. The Black River – La Crosse segment within the study area is not a true river; rather, it is a major side-channel to the Mississippi River and enters the Mississippi River north of the City of La Crosse and parallels it.

Floods on the Mississippi River occur primarily in the spring. Most of the larger floods result from snowmelt. However, intense thunderstorms have resulted in major floods on the Mississippi River and its tributaries with steep topography. Table 4 presents data for major floods on the river.

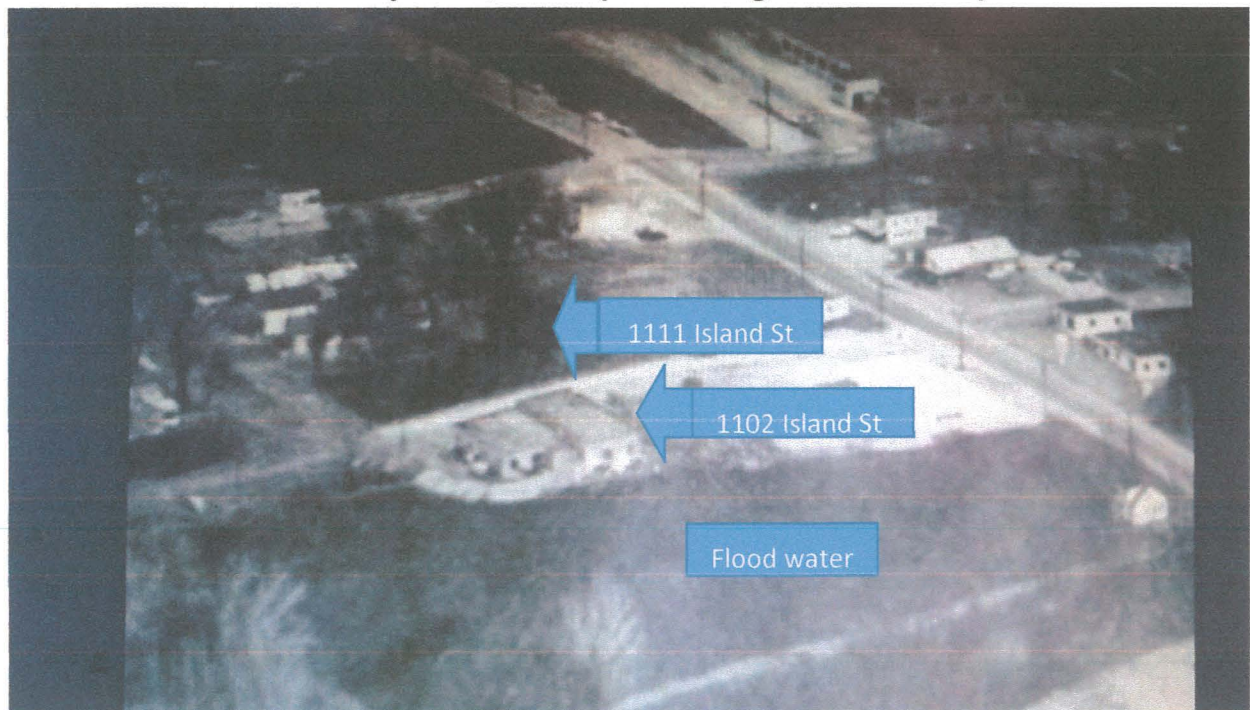
The greatest flood known to have occurred on the Mississippi River in La Crosse County was on April 20, 1965, with an estimated 170-year recurrence interval. The largest recorded discharge for the La Crosse River occurred on August 8, 1935; however, the stage was lower than the 1965 flood (USACE, 1970).

Table 4 – Summary of Major Floods on the Mississippi River at La Crosse, Wisconsin<sup>1</sup>

<u>Date</u>	<u>Approximate Discharge</u> <u>(cubic feet per second, cfs)</u>	<u>Gage Height</u>	<u>Frequency</u> <u>(years)</u>
April 20, 1965	273,000	17.90	170
April 20, 1969	190,000 (estimated)	15.70	20
April 20, 1952	220,000	15.30	50
April 18, 2001	210,000	16.41	40
June 19, 1880	196,000	16.50	25
April 19, 1951	184,000	14.90	20
June 27, 1993	182,000	14.10	20
April 7, 1967	180,000	14.60	20
May 7, 1954	166,000	14.30	10

<sup>1</sup>Drainage area at confluence of Mississippi and La Crosse Rivers = 62,840 square miles.

**Flood at 1111 Island St April 22, 1965 ( River stage at 17.9 Feet)**



**1111 Island St from Google Earth (The two buildings in both photo's are Weiss Bush 1102 Island St)**





FEDERAL EMERGENCY MANAGEMENT AGENCY  
NATIONAL FLOOD INSURANCE PROGRAM

O.M.B. No. 3067-0077  
Expires December 31, 2005

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1 - 7.

SECTION A - PROPERTY OWNER INFORMATION

BUILDING OWNER'S NAME <u>Weiss-Bush Auto Body Shop</u> <u>WILLIAM BUSH SR</u> <u>E KAREN BUSH</u>		For Insurance Company Use: Policy Number
BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO. <u>1102 Island St.</u>		Company NAIC Number
CITY <u>La Crosse</u>	STATE <u>WI.</u>	ZIP CODE <u>54603</u>
PROPERTY DESCRIPTION (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <u>TAX PARCEL # 17.10219.80</u>		
BUILDING USE (e.g., Residential, Non-residential, Addition, Accessory, etc. Use a Comments area, if necessary.) <u>AUTO BODY REPAIR SHOP</u>		
LATITUDE/LONGITUDE (OPTIONAL) (##-##-### or ###.###)		
HORIZONTAL DATUM: <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983		
SOURCE: <input type="checkbox"/> GPS (Type): <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Other		

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP COMMUNITY NAME & COMMUNITY NUMBER <u>City of La Crosse</u> <u>55562</u>	B2. COUNTY NAME <u>La Crosse</u>	B3. STATE <u>WI.</u>
B4. MAP AND PANEL NUMBER <u>55562-0005</u>	B5. SUFFIX <u>B</u>	B6. FIRM INDEX DATE <u>MAY 15, 1985</u>
B7. FIRM PANEL EFFECTIVE/REVISED DATE <u>MAY 15, 1985</u>	B8. FLOOD ZONE(S) <u>A4</u>	B9. BASE FLOOD ELEVATION(S) (Zone AO, use depth of flooding) <u>646.00</u>

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in B9.

☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other (Describe):

B11. Indicate the elevation datum used for the BFE in B9: ☒ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe): City of La Crosse Datum + 600.99

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☐ No

Designation Date:

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings\* ☐ Building Under Construction\* ☒ Finished Construction  
\*A new Elevation Certificate will be required when construction of the building is complete.

C2. Building Diagram Number 1 (Select the building diagram most similar to the building for which this certificate is being completed - see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)

C3. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO  
Complete Items C3.a-i below according to the building diagram specified in Item C2. State the datum used. If the datum is different from the datum used for the BFE in Section B, convert the datum to that used for the BFE. Show field measurements and datum conversion calculation. Use the space provided or the Comments area of Section D or Section G, as appropriate, to document the datum conversion.  
Datum City of La Crosse Conversion/Comments + 600.99 = NGVD 1929

Elevation reference mark used \_\_\_\_\_ Does the elevation reference mark used appear on the FIRM? ☐ Yes ☐ No

☐ a) Top of bottom floor (including basement or enclosure) 642.44 ft.(m)

☐ b) Top of next higher floor 640.03 ft.(m)

☐ c) Bottom of lowest horizontal structural member (V zones only) \_\_\_\_\_ ft.(m)

☐ d) Attached garage (top of slab) \_\_\_\_\_ ft.(m)

☐ e) Lowest elevation of machinery and/or equipment servicing the building (Describe in a Comments area.) \_\_\_\_\_ ft.(m)

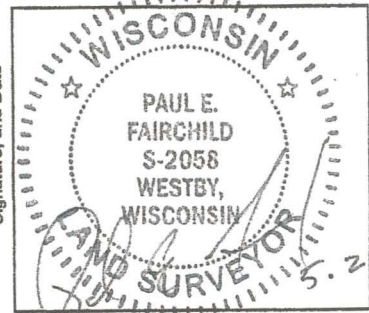
☐ f) Lowest adjacent (finished) grade (LAG) 641.02 ft.(m)

☐ g) Highest adjacent (finished) grade (HAG) 643.81 ft.(m)

☐ h) No. of permanent openings (flood vents) within 1 ft. above adjacent grade \_\_\_\_\_

☐ i) Total area of all permanent openings (flood vents) in C3.h \_\_\_\_\_ sq. in. (sq. cm)

License Number, Embossed Seal, Signature, and Date



SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information.

I certify that the information in Sections A, B, and C on this certificate represents my best efforts to interpret the data available.

I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

CERTIFIER'S NAME <u>PAUL E. FAIRCHILD</u>	LICENSE NUMBER <u>2058</u>
TITLE <u>REGISTERED LAND SURVEYOR</u>	COMPANY NAME <u>PARAGON ASSOCIATES</u>
ADDRESS <u>744 MOORE ST.</u>	CITY <u>LA CROSSE</u>
SIGNATURE <u>[Signature]</u>	STATE <u>WI.</u>
	ZIP CODE <u>54603</u>
	DATE <u>5.24.05</u>
	TELEPHONE <u>608-781-3110</u>







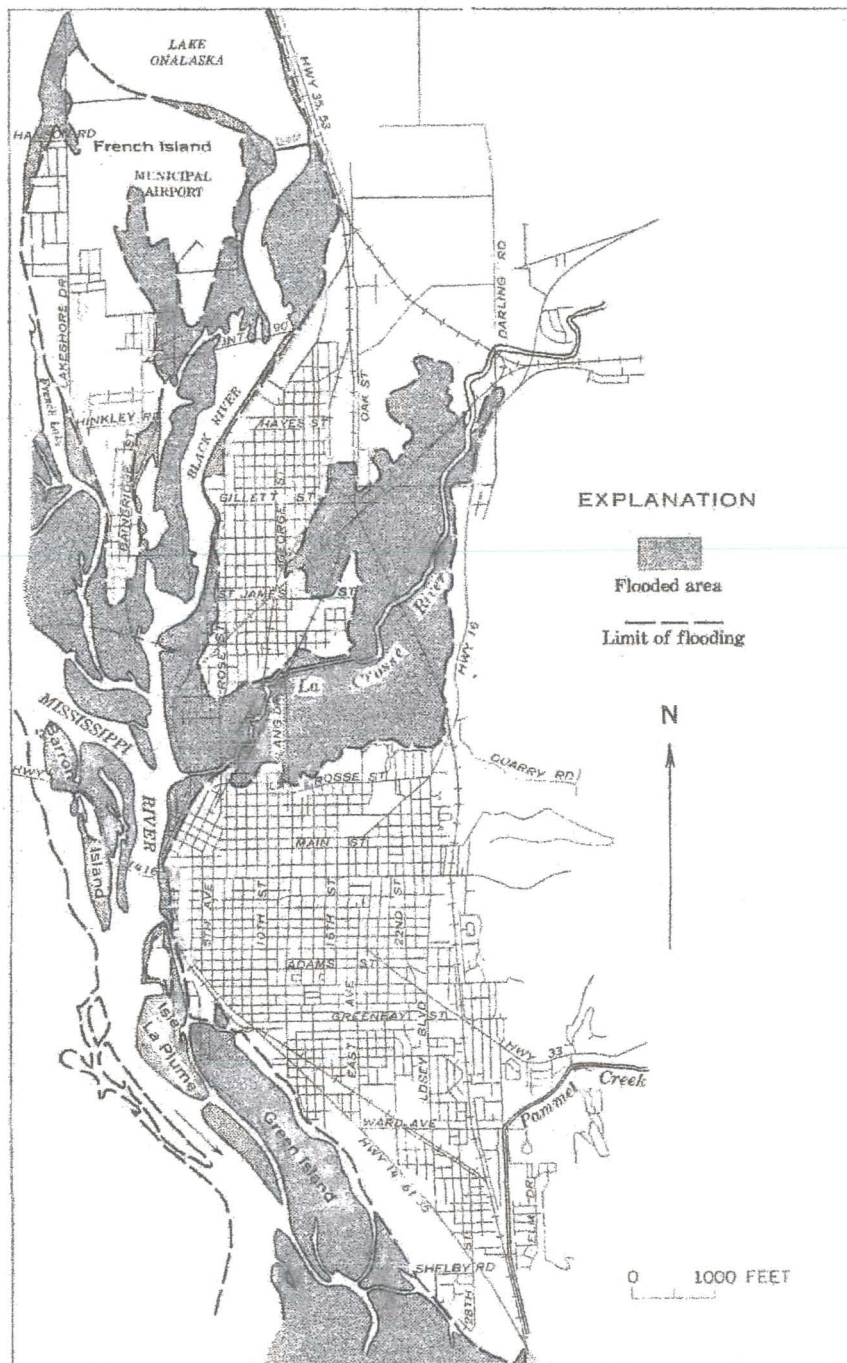


FIGURE 16.—Flooded area in La Crosse, Wis.