BR23-191

U.S. DEPARTMENT OF HOMELAND SECURITY Federal Emergency Management Agency National Flood Insurance Program

OMB Control No. 1660-0008 Expiration Date: 06/30/2026

ELEVATION CERTIFICATEIMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 1-11

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

		SECTION A – PROPERTY INFORMATION FOR INSURANCE COMPANY USE							
1	A1.	Building Owner's Name: OCHOA FAMILY TRUST, CHRISTOPHER & TAMBER Policy Number:							
1	A2.	Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: Company NAIC Number:							
1	City	ZAMORA State: CA ZIP Code: 95698							
5	A3.	Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number: ASSESSOR'S PARCEL NUMBER: 053-200-011-000							
5	A4.	A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): NON-RESIDENTIAL							
1	A5.	Latitude/Longitude: Lat. 38°50'19.2" Long121°54'32.1" Horizontal Datum: NAD 1927 NAD 1983 WGS 84							
1	A6.	Attach at least two and when possible four clear photographs (one for each side) of the building (see Form pages 7 and 8).							
1	A7.	Building Diagram Number: 1B							
	A8.	For a building with a crawlspace or enclosure(s):							
		a) Square footage of crawlspace or enclosure(s): sq. ft.							
1		b) Is there at least one permanent flood opening on two different sides of each enclosed area? Yes No N/A							
		c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade: Non-engineered flood openings:N/A Engineered flood openings:N/A							
1		d) Total net open area of non-engineered flood openings in A8.c:N/A sq. in.							
		e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instructions): sq. ft.							
١		f) Sum of A8.d and A8.e rated area (if applicable – see Instructions):N/A sq. ft.							
	A9.	For a building with an attached garage:							
		a) Square footage of attached garage: N/A sq. ft.							
		b) Is there at least one permanent flood opening on two different sides of the attached garage? Yes No N/A							
		c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade: Non-engineered flood openings:N/A Engineered flood openings:N/A							
		d) Total net open area of non-engineered flood openings in A9.c:N/A sq. in.							
		e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instructions): sq. ft.							
		f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): sq. ft.							
		SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION							
1	В1.а	a. NFIP Community Name: YOLO CO. UNINCORPORATED B1.b. NFIP Community Identification Number: 060423							
1	B2.	County Name: YOLO B3. State: CA B4. Map/Panel No.: 06113C 0275 B5. Suffix: G							
~	B6.	FIRM Index Date: 05/16/2012 B7. FIRM Panel Effective/Revised Date: 06/18/2010							
-	B8.	Flood Zone(s): A B9. Base Flood Elevation(s) (BFE) (Zone AO, use Base Flood Depth): STUDY)							
	B10	Indicate the source of the BFE data or Base Flood Depth entered in Item B9: FIS FIRM Community Determined Tother: SEE ATTACHED FLOOD STUDY							
	B11	. Indicate elevation datum used for BFE in Item B9: NGVD 1929 NAVD 1988 Other/Source:							
	B12	. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?							
	B13	. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)? Yes No							

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: FOR INSURANCE COMPANY USE TO A DATE OF THE PROPERTY OF TH						=			
					licy Number:				
City: ZAMORA State: CA	ZIP Code: _95696		Compar	y NAIC	Numb	oer:	_		
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.								
	g Diagram specified in It	tem A7. In P							
*A new Elevation Certificate will be required when construction of the building is complete. C2. Elevations – Zones A1–A30, AE, AH, AO, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, A99. Complete Items C2.a–h below according to the Building Diagram specified in Item A7. In Puerto Rico only, enter meters. Benchmark Utilized: N.G.S. P 1075									
		ion factor use					ad.		
✓a) Top of bottom floor (including basement, crawlspace, or	enclosure floor):						.u.		
b) Top of the next higher floor (see Instructions):			N/A	feet		meters			
c) Bottom of the lowest horizontal structural member (see Ir	structions):		N/A	feet		meters			
d) Attached garage (top of slab):			N/A [feet		meters			
e) Lowest elevation of Machinery and Equipment (M&E) se (describe type of M&E and location in Section D Commer	vicing the building its area):		40.7	f eet		meters			
f) Lowest Adjacent Grade (LAG) next to building: 🔲 Natu	ıral 🔳 Finished		39.3	feet		meters			
g) Highest Adjacent Grade (HAG) next to building: 🔲 Natu	ral 🔳 Finished	;	39.8	f eet		meters			
	rs, including structural		N/A [feet		meters			
SECTION D – SURVEYOR, ENG	NEER, OR ARCHITE	CT CERTI	FICATION	ON					
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by state law to certify elevation information. I certify that the information 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.									
 Were latitude and longitude in Section A provided by a licensed l	and surveyor?	s 🔲 No							
Check here if attachments and describe in the Comments are	a.								
Certifier's Name: MATTHEW K. SOUZA Lic	ense Number: L.S. 92	215					٦		
Indicate elevation datum used for the elevations in items a) through h) below. NGVD 1929 NAVD 1988 Other: Datum used for building elevations must be the same as that used for the BFE. Conversion factor used? If Yes, describe the source of the conversion factor in the Section D Comments area. All Top of bottom floor (including basement, crawlspace, or enclosure floor):									
Company Name: LAUGENOUR AND MEIKLE			_ //	18/2	HEW	· 20 []			
Address: 608 COURT STREET			_ {(A	1/7	ا (ح			
City: WOODLAND State: CA ZIP Code: 95695									
1 🔨				PATE	OF CA	IFORM			
		1/2024	-	_					
			_				ل		
SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED) C1. Building elevations are based on:									
			d descrip	tion of a	any att	achments):			
02.L/ LOWLOT LLLVATION OF MIAGRINERT IS BOTTO	JIVI ELECTRICAL PA	/14PP·							

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

	-	cluding Apt., Unit, Suite, and/or Bl	dg. No.) or	P.O. Route a	and Bo	ox No.	.:	FOR INSURA	NCE COMPANY USE
-	34 COUNTY ROAL ZAMORA	State:	CA	ZIP Code:	9569	8		Policy Number: Company NAIC	
	SECT	ION E – BUILDING MEASUI FOR ZONE AO, ZON							ED)
inten		nd A (without BFE), complete Iter er of Map Change request, comp							
							nstruction	n*	Construction
				or the following	ng an	d che	ck the ap	propriate boxes	to show whether the
i					feet		meters	above or	below the HAG.
1				🗆	feet		meters	above or	below the LAG.
1	next higher floor (C2.	b in applicable	nings provi	ded in Section					
	,	•	***************************************	LJ					
E4.	Top of platform of ma	achinery and/or equipment		Ш	feet	_		above or	Lancad
E5.	Zone AO only: If no fl	lood depth number is available, i				eleva	ted in acc	cordance with th	ne community's
	SECTION F -	PROPERTY OWNER (OR O	WNER'S	AUTHORIZ	ZED I	REPI	RESENT	TATIVE) CERT	TFICATION
							E for Zo	ne A (without B	FE) or Zone AO must
				best of fify K	HOWIE	aye			
	-	·			-				
City:						Stat	e:	ZIP Code:	
Sign	ature:			Dat	e:				
b) Top of bottom floor (including basement, crawlspace, or enclosure) is: [
Com	ments:			·····					
N/A									

ELEVATION CERTIFICATE
IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: FOR INSURANCE COMPANY USE										
	ITY ROAD 10		Policy Number:							
City: ZAMOF	State: CA	ZIP Code: 95698	Company NAIC Number:/							
SECTI	SECTION G - COMMUNITY INFORMATION (RECOMMENDED FOR COMMUNITY OFFICIAL COMPLETION)									
	The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Section A, B, C, E, G, or H of this Elevation Certificate. Complete the applicable item(s) and sign below when:									
en	G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by state law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)									
	ocal official completed Section E for a building located is completed for a building located in Zone AO.	d in Zone A (without a BFE), Zo	one AO, or Zone AR/AO, or when item							
G2.b. 🗌 A I	ocal official completed Section H for insurance purpos	ses.								
G3. 🗌 In	he Comments area of Section G, the local official des	scribes specific corrections to t	he information in Sections A, B, E and H.							
G4. \square Th	e following information (Items G5–G11) is provided fo	r community floodplain manag	ement purposes.							
G5. Permit	Number: BRZ3~191 G6. Date Pe	ermit Issued: 9/1/2003	3							
G7. Date C	ertificate of Compliance/Occupancy Issued:									
G8. This pe	rmit has been issued for: New Construction	Substantial Improvement								
G9.a. Elevati	on of as-built lowest floor (including basement) of the building:	39.9 Veet	meters Datum: NAV \(\rightarrow 88							
G9.b. Elevati membe	on of bottom of as-built lowest horizontal structural		meters Datum:							
G10.a. BFE (c	r depth in Zone AO) of flooding at the building site:	37.6 V feet	meters Datum: NAVD 88							
	unity's minimum elevation (or depth in Zone AO) ment for the lowest floor or lowest horizontal structura er:	al 	□ meters Datum: NHVD 98							
G11. Varian	ce issued? 🔲 Yes 🔃 No 🛮 If yes, attach docume	entation and describe in the Co	omments area.							
	al who provides information in Section G must sign he lest of my knowledge. If applicable, I have also provid									
Local Official's	Name: Scott Doolittle	Title: Flood 6	ADMIN.							
	ity Name: County of Yold									
		H. Doolittle@y	elocounty.org							
	12 W. Beamer st		0 0							
City: Woo	1.	State: C	ZIP Code: 95695							
Signature:	South Bolan	Date: 4-16-0	24							
	cluding type of equipment and location, per C2.e; des D, E, or H):		nd corrections to specific information in							
, ,										

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19

Building Street Address (including Apt., Unit, Su	ite, and/or Bldg. No.) or P.0	D. Route and Box No.:	FOR INSURANCE COMPANY USE
32284 COUNTY ROAD 10	Obstance OA 71	D.O. de 05000	Policy Number:
City: ZAMORA	State: CA ZI	P Code: <u>95698</u>	Company NAIC Number:
		EIGHT INFORMATION F NSURANCE PURPOSES	Constitution of the Control of the C
The property owner, owner's authorized represt to determine the building's first floor height for nearest tenth of a foot (nearest tenth of a meter instructions) and the appropriate Building to	insurance purposes. Sec er in Puerto Rico). Refere	tions A, B, and I must also b nce the Foundation Type I	be completed. Enter heights to the Diagrams (at the end of Section H
H1. Provide the height of the top of the floor (as indicated in Foundation	n Type Diagrams) above the	Lowest Adjacent Grade (LAG):
a) For Building Diagrams 1A, 1B, 3, an floor (include above-grade floors only for I subgrade crawlspaces or enclosure floors	ouildings with	feet [☐ meters ☐ above the LAG
 b) For Building Diagrams 2A, 2B, 4, an higher floor (i.e., the floor above basement enclosure floor) is: 		feet [_ meters
H2. Is all Machinery and Equipment servicing H2 arrow (shown in the Foundation Type Tyes No			
SECTION I – PROPERTY OWN	ER (OR OWNER'S AU	THORIZED REPRESEN	ITATIVE) CERTIFICATION
The property owner or owner's authorized reparts A, B, and H are correct to the best of my known indicate in Item G2.b and sign Section G.			
☐ Check here if attachments are provided (in	cluding required photos)	and describe each attachme	ent in the Comments area.
Property Owner or Owner's Authorized Repres	sentative Name:		
Address:			
City:			ZIP Code:
Olan atoms		Data	
Signature:		Date:	
Telephone: Ext.: Ext.:	Email:		
Comments.			

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19 BUILDING PHOTOGRAPHS

See Instructions for Item A6.

ng Street Address (including Apt., Unit, Suite	, and/or Bldg. No.)	or P.O. Route and Box No.:	FOR INSURANCE COMPANY USE
 24 COUNTY ROAD 10 ZAMORA	State: CA	ZIP Code: 95698	Policy Number: Company NAIC Number:

Instructions: Insert below at least two and when possible four photographs showing each side of the building (for example, may only be able to take front and back pictures of townhouses/rowhouses). Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." Photographs must show the foundation. When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.

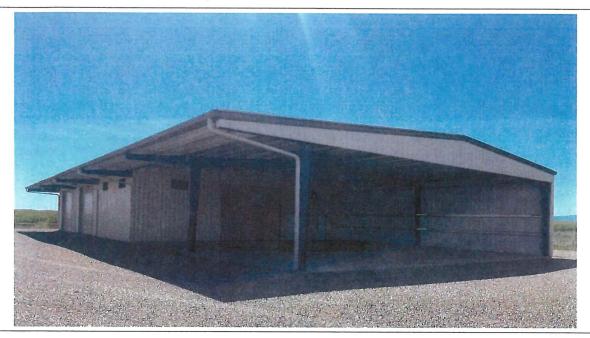


Photo One Caption: FRONT VIEW (TAKEN 04/10/2024)

Clear Photo One



Photo Two Caption: REAR VIEW (TAKEN 04/10/2024)

Clear Photo Two

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 9-19 BUILDING PHOTOGRAPHS

Continuation Page

Building Street Address (including Apt.,	Unit, Suite, and/or Bldg. No.)	or P.O. Route and Box No	o.: FOR INSURANCE COMPANY USE
32284 COUNTY ROAD 10			Policy Number:
City: ZAMORA	State: CA	ZIP Code: 95698	Company NAIC Number:

Insert the third and fourth photographs below. Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo Three

Photo Three Caption: LEFT VIEW (TAKEN 04/10/2024)

Clear Photo Three

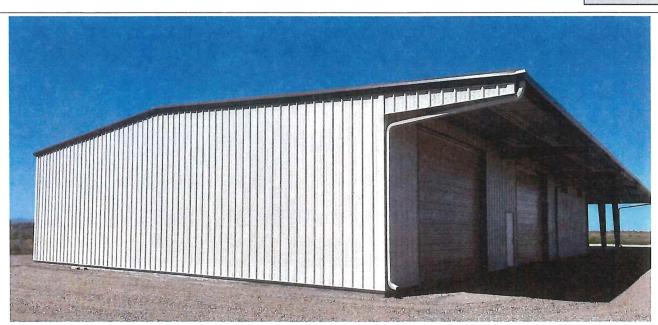


Photo Four

Photo Four Caption: RIGHT VIEW (TAKEN 04/10/2024)

Clear Photo Four

Vational Flood Hazard Layer FIRMette



OTHER HAZARD AREAS OTHER AREAS OF FLOOD MAZARD OTHER AREAS MAP PANELS SPECIAL FLOOD 121°54'12'10 38"49'57"N T12N ROIE 531 0.6433002750 11.6 (40)/201 THIN ROTE SE YOLOGOUNTYUNINCORPORATEDAREAS 060423

Legend

scl fis hoport for detailed legend and index map for firm panel layout

WITH BFE OF DOUTH TONE AT AU AM, VE, AN Without Base Flood Elevation (BFE)

Registerny Prodway

of 1% annual change flood with dverage depth less than one foot or with drainag 0.2% Annual Chance Flood Hazard, Area Area with Reduced Plood Risk due to areas of less than one square mile Future Conditions 1% Annual Change Flood Mazzra

Area with Flood Risk due to Levee Levee. See Notes.

NO SCREEN Area of Minimal Fload Hazard Eireolwe LOMRs

Area of Undetermined Flood Hazard

- --- Channel, Culvert, or Storm Sewer Cross Sections with 1,55 Annual Chance Wager Surface Elevation

Base Flood Elevation Line (BFE) Countal Transport store [5] treated

Copstal Transpet Buseline Jurisdiction Boundary Limit of Study 1000

Mydragraphic Feature Profile Baseline

Digital Data Available

No Digital Data Available Unmapped The pin displayed on the map is an approximate point selected by the usor and does not represe an authoritative property location.

This map complies with PEMA's standards for the use of The basemap shown compiles with FEMA's basemap digital flood maps if it is not void as described below.

authoritative NFHL web services provided by FEMA. This map was exported on 4/6, 2023, at 6/67 PM, and does not reflect changes or amondments subsequent to this date and time, The NPML and effective information may change or The flood hazard information is derived directly from the become supersoded by new data over time. This map image is void if the one or more of the following map FIRM panel number, and FIRM effective date. Map images for elements do not appear; basemap imagery, flood zone labels. legend, soale bar, map creation date, community identifiers, unmapped and unmodernized areas sannot be used for regulatory purposes.

1.500

1,000

500



TO:

Attn: LOMA Manager

FEMA LOMC Clearing House

3601 Eisenhower Avenue, Suite 500

Alexandria, VA 22304-6426

FROM:

Brian Delemos, P.E., CA C66421

Laugenour and Meikle

DATE:

August 3, 2023

SUBJECT:

Determination of Base Flood Elevations for Chris and Tami Ochoa, County Road 10,

Yolo County, CA (APN: 053-200-011-000)

INTRODUCTION:

This memorandum documents the hydrologic and hydraulic methods used to determine the base flood (100-year, or 1% annual chance) elevations (BFEs) for the Chris and Tami Ochoa property (Property) located at County Road 10, north of Woodland, Yolo County, California (assessor's parcel numbers 053-200-011-000). The Property, planted in rice fields until recently, is west of the Colusa Basin Drain, and, as shown on **Exhibit 1**, **Hydraulic Map**, and **Exhibit 2**, **Property Location in the FEMA Flood Zone A**. The Property (approximately located at Latitude 38.838551° North, Longitude 121.908708° West), lies in an area designated by the Federal Emergency Management Agency (FEMA) as a Zone A special flood hazard area (Flood Insurance Rate Map, FIRM, Panel 06113C 0275G, June 18, 2010). A duck club building is proposed for construction on the Property, and the building pad was recently raised by fill above the BFEs.

The source of flooding is the Colusa Basin Drain, to the east of the Property. The Colusa Basin Drain is leveed on its eastern bank, but not on its western bank.

BFE's for the Property were developed in accordance with FEMA guidelines for Zone A areas^a. The following topics are discussed in the following sections:

- Hydrology
- Hydraulic Model Approach
- Results

^a Managing Floodplain Development in Approximate Zone A Areas, A Guide for Obtaining and Developing Base (100-Year) Flood Elevations. FEMA. April 1995.



HYDROLOGY:

The estimated base flood flow (1% annual chance flow, or 100-year recurrence interval flow) in the Colusa Basin Drain at the Property was obtained from the Colusa Basin Integrated Resource Management Program, Draft PEIS/R, Colusa Basin Drainage District and US Bureau of Reclamation, May 2000. The flow was obtained from Figure 4-1 and Table 6.1-1 in **Attachment A, Hydrology Reference Excerpts**. The base flood flow is estimated to be 27,408 cfs.

HYDRAULIC MODEL APPROACH:

An HEC-RAS (Version 5.06) model was developed to compute the 100-year water surface elevation, base flood elevation (BFE), at the project site. Key inputs included topography, base flood flow, roughness coefficients, and downstream boundary conditions.

Topography for the hydraulic model, as shown on **Exhibit 1, Hydraulic Map**, was provided by the Yolo County Public Works Department. The topographic data is detailed data collected by the California Department of Water Resources in 2012 for the purpose of floodplain mapping. The vertical datum of the topographic data is the North American Vertical Datum of 1988 (N.A.V.D.88).

Two cross sections were taken from the topographic data for use in the hydraulic model, which are shown on **Exhibit 1, Hydraulic Map**. One section was taken at the upstream end and one at the downstream of the part of the Property. The sections are generally perpendicular to the channel and overland flood flow paths. The cross section ground elevations are shown on **Exhibit 3A, HEC-RAS Model Section at Stream Station 0**, and **Exhibit 3B, HEC-RAS Model Section at Stream Station 270**, with the zero station of each cross section starting from the east side of the sections, and with the perspective looking from upstream to downstream.

The model was run in the steady state flow mode. The base flood flow of 27,408 cfs, as discussed above, was used.

Roughness coefficients were determined based on the HEC-RAS Hydraulic Reference Manual (February 2016, Table 3-1), along with review of aerial photography (see **Exhibit 2, Property Location in the FEMA Flood Zone A**). The coefficient was estimated as 0.040 for the channel (Lined or Built-Up Channels, Vegetal Lining), 0.035 for the right overbank area (Floodplains, Cultivated areas, Mature row crops), and not applicable for the left overbank area.

Downstream boundary conditions were assumed to be subcritical, normal depth with a friction slope similar in gradient to the land in the down gradient directional slope (to the east). The down gradient slope was estimated from the topographic data to be approximately 0.000024 feet/foot. Downstream backwater conditions would not be expected. The downstream water body to the east of the Colusa Basin Drain is the Yolo Bypass, which is approximately 16 miles downstream from the Property, and it would not be expected that backwater from downstream could affect water surface elevations in the vicinity of the Property.

The Colusa Basin Drain eastern levee was modeled using FEMA's Natural Valley Procedure. The eastern levee was not failed in the HEC-RAS. Again, the western bank is unleveed.



RESULTS:

Exhibits 3A and **3B** show the estimated BFEs at model Sections 0 and 270, which are approximately 37.6 and 37.6 feet (NAVD 88), respectively. It is recommended that the BFE of 37.6 feet (NAVD 88) be used as the BFE for the proposed building on the Property.

The HEC-RAS model files have been included in this package for review. If you have any questions, please feel free to call me at (530) 662-1755, or e-mail me at bdelemos@lmce.net.

Attachments

Land Projects \2935-14 \ dwg \2935-14_EXH FLOODPLAIN.dwg



EXHIBIT 2 - PROPERTY LOCATION IN THE FEMA FLOOD ZONE A.

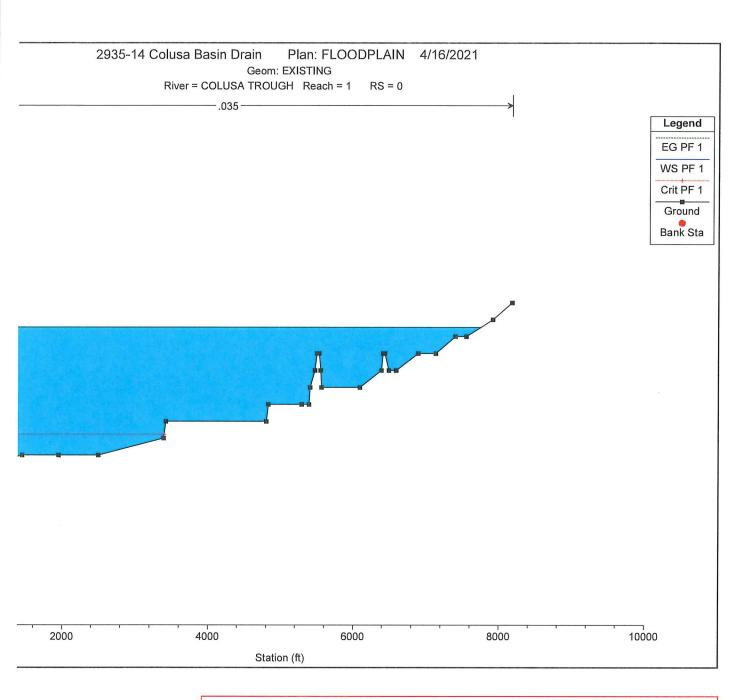


EXHIBIT 3A - HEC-RAS MODEL SECTION AT STREAM STATION 0.

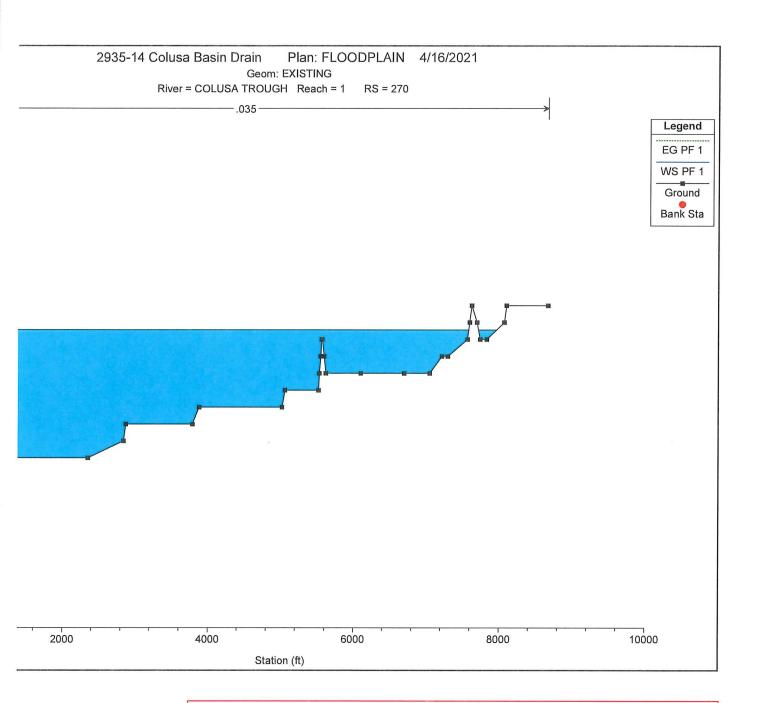


EXHIBIT 3B - HEC-RAS MODEL SECTION AT STREAM STATION 270.

ADMINISTRATIVE DRAFT

COLUSA BASIN
INTEGRATED RESOURCE
MANAGEMENT PROGRAM:
FORMULATION OF PROGRAM ALTERNATIVES

D

R

A

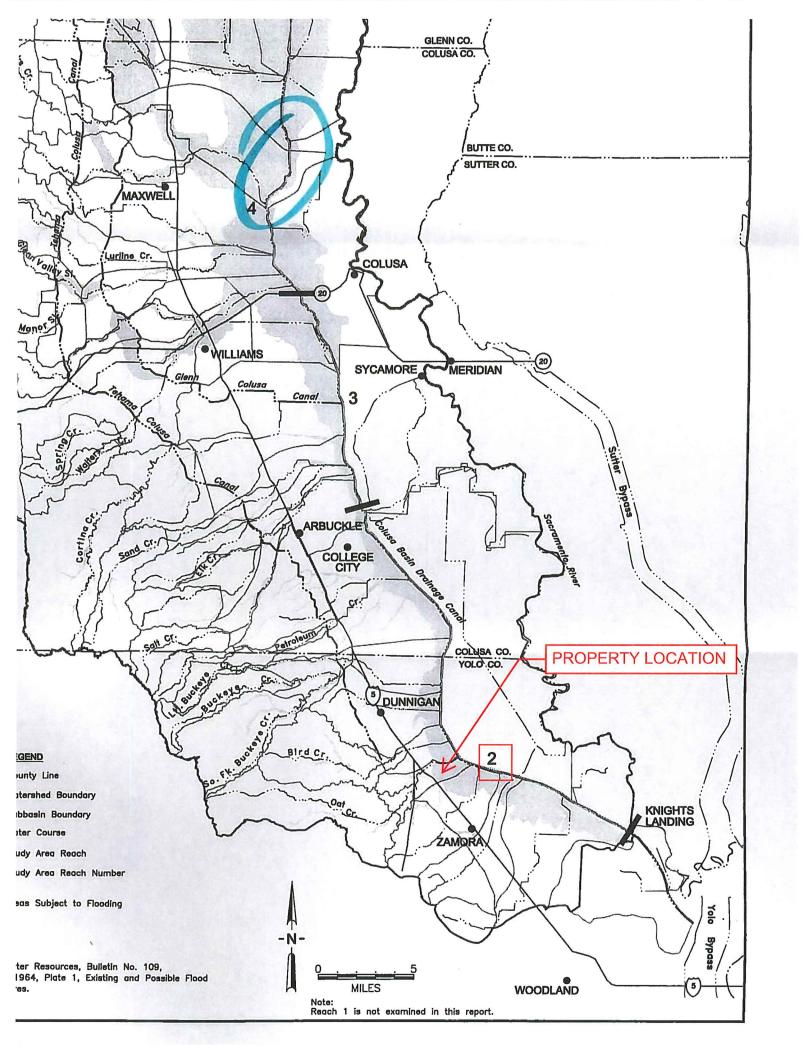
PREPARED FOR

COLUSA BASIN DRAINAGE DISTRICT
AND
U.S. BUREAU OF RECLAMATION

T

PREPARED BY

Navigant CONSULTING, INC.



ATTACMENT A - HYDROLOGY REFERENCE ECXERPTS

D

PROPERTY LOCATION

for Existing	Conditions and	l Alternativ	re Pro	gram (Conditions

	100-Year			500-Year				
ifference	Existing	Potential	% Difference	Existing	Potential	% Difference		
-35	20 700	01.000	1 22 1	20 220	0.4 800	1 55		
	32,728	21,872	-33	38,330	24,738	-35		
-48	27,970	15,468	-45	35,330	19,816	-44		
-21	35,761	27,855	-22	56,926	44,320	-22		
-13	32,908	27,656	-16	51,550	41,687	-19		
-12	27,408	23,324	-15	40,345	33,436	-17		
-35	32,728	21,872	-33	38,330	24,738	-35		
-48	27,970	15,468	-45	35,330	19,816	-44		
-16	35,761	30,029	-16	56,926	48,010	-16		
-14	32,908	27,303	-17	51,550	42,862	-17		
-13	27,408	23,215	-15	40,345	34,223	-15		
-35	32,728	21,872	-33	38,330	24,738	-35		
-48	27,970	15,468	-45	35,330	19,816	-44		
-6	35,761	33,957	-5	56,926	54,371	-4		
-7	32,908	29,712	-10	51,550	47,114	-9		
-10	27,408	24,182	-12	40,345	36,113	-10		

P

A