



# Floodplains in Anaheim

In Anaheim, some 600 properties encompassing 544 acres are within a designated floodplain







Floodplains also are referred to as areas of:

- “A” Zone Flood Designation
- Special Flood Hazard
- 100-Year Flood
- 1% Chance Flood
- The Base Flood

# Floodplains are identified by the Federal Emergency Management Agency's Flood Insurance Rate Maps

PANEL 0129H

## **FIRM** **FLOOD INSURANCE RATE MAP** ORANGE COUNTY, CALIFORNIA AND INCORPORATED AREAS

### **PANEL 129 OF 550**

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ANAHEIM, CITY OF	060213	0129	H
ORANGE COUNTY, UNINCORPORATED AREAS	060212	0129	H

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



**MAP NUMBER**  
**06059C0129H**

**MAP REVISED:**  
**FEBRUARY 18, 2004**

Federal Emergency Management Agency



# Anaheim's Floodplains



## Legend

- Floodplain (Flood Insurance typically required)
- Flood Zone X

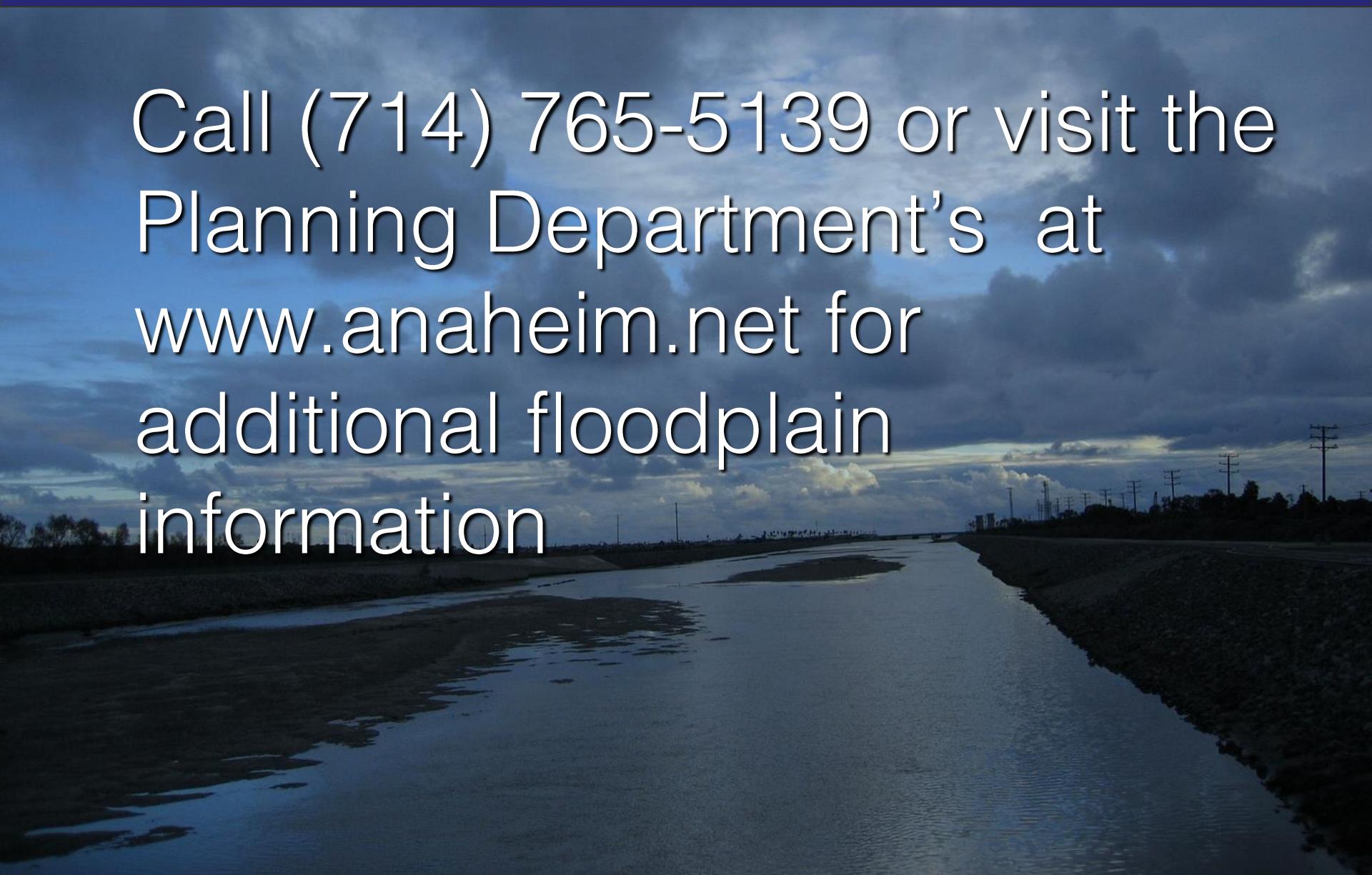
Note: This map is not to scale and is a reduced copy of information compiled from FEMA's Flood Insurance Rate Maps. The City of Anaheim shall assume no liability for any errors, omissions, or inaccuracies on the flood hazard information provided on this map.

February 28, 2006



# Floodplain Information

Call (714) 765-5139 or visit the  
Planning Department's at  
[www.anaheim.net](http://www.anaheim.net) for  
additional floodplain  
information





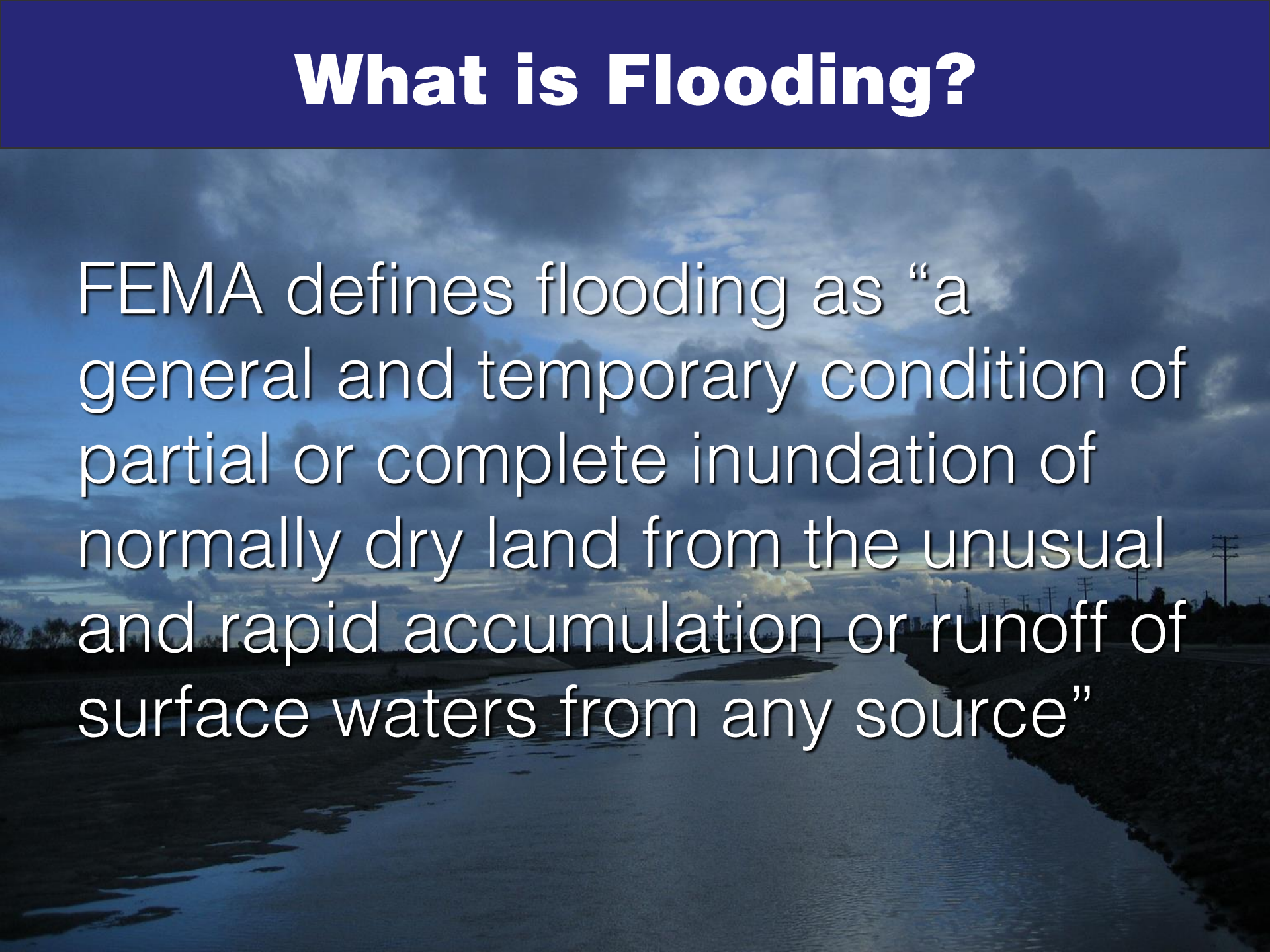
# Benefits of Floodplains

Preserving floodplains in an undeveloped state, such as with parks, golf courses or sports fields, can protect their natural drainage benefits



# What is Flooding?

FEMA defines flooding as “a general and temporary condition of partial or complete inundation of normally dry land from the unusual and rapid accumulation or runoff of surface waters from any source”

A wide river or flooded area under a cloudy sky. The water is dark and reflects the overcast sky. The banks are visible on the right side, and there are some utility poles in the distance.



# Flood History



In 1938, flood waters in Anaheim were more than 16 feet deep in some areas

# Flood History

In 1969, 21 inches of heavy rain caused widespread flooding near the Anaheim Convention Center

Heavy flooding also occurred in 1952, 1978, 1980, 1997 and 2004



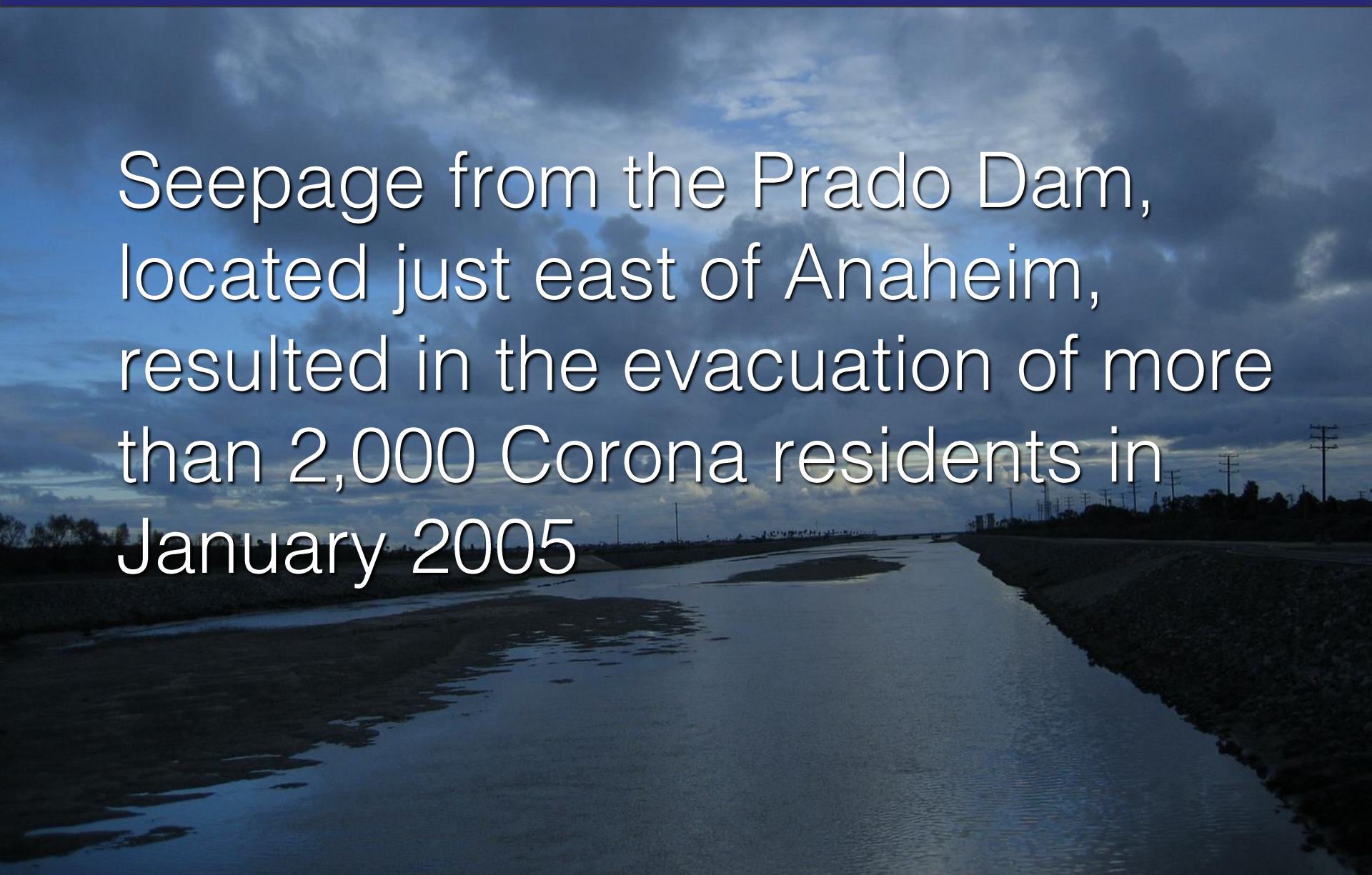
# Recent Flood Events

Anaheim and North Orange County received more than 26 inches of rain in the rainy season of 2004-2005

During that rainy season, there were four flood-related deaths in the County

# Recent Flood Events

Seepage from the Prado Dam, located just east of Anaheim, resulted in the evacuation of more than 2,000 Corona residents in January 2005





# Flood Myth

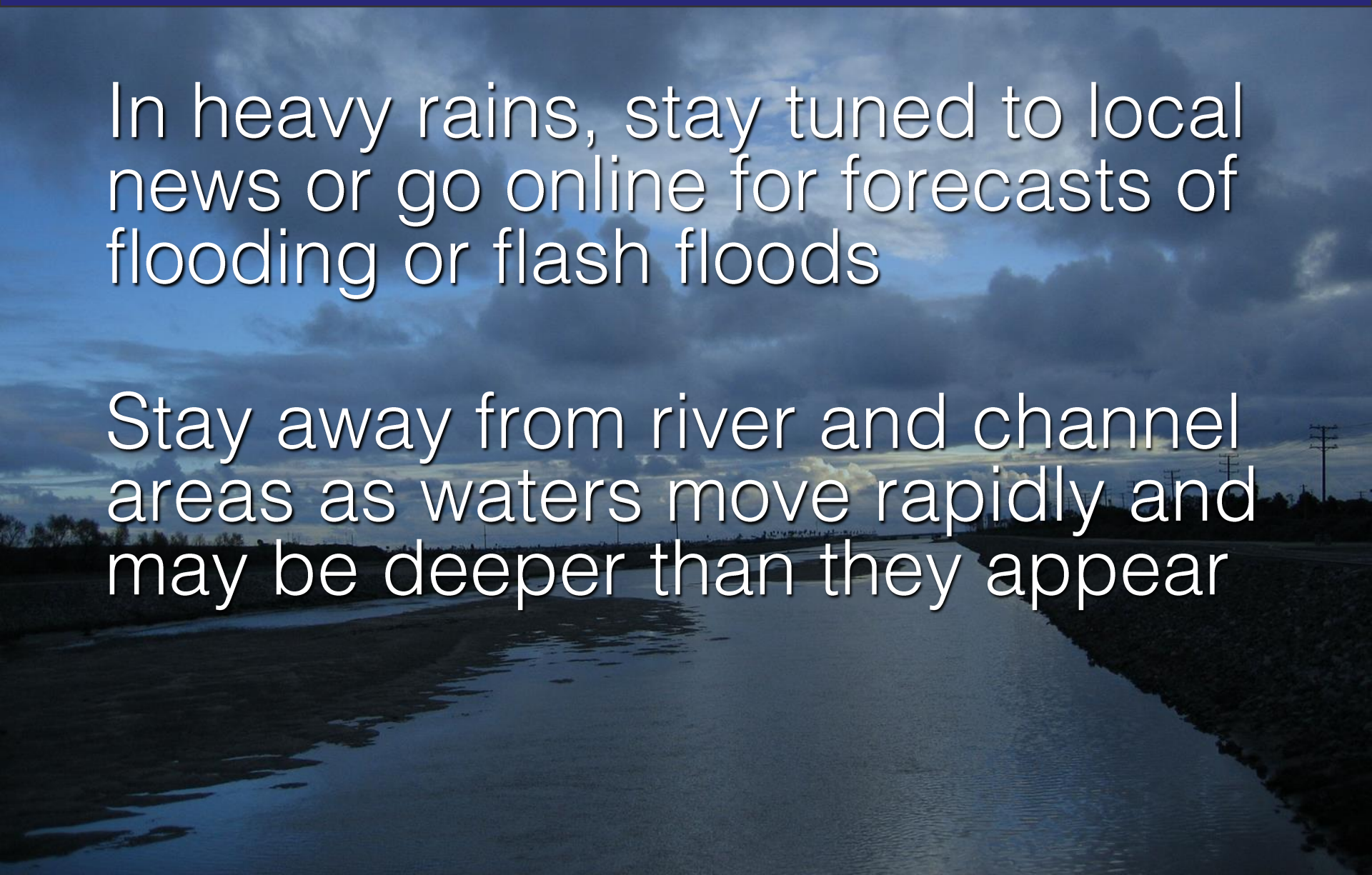
Myth: A “100-year flood” occurs every 100 years

Fact: A 100-year flood can occur at any time and has a 1% chance of occurring in any given year

# Flood Safety

In heavy rains, stay tuned to local news or go online for forecasts of flooding or flash floods

Stay away from river and channel areas as waters move rapidly and may be deeper than they appear





# Storm Preparation

Sandbags can help divert floodwaters and are available at no charge to Anaheim residents and businesses



Call (714) 765-6860

# Channel Obstructions

Debris obstructs  
water flow

To report  
excessive debris  
in a channel, call  
the County of  
Orange at  
(714) 567-6300





# Flood Control

Dumping of debris, trash, or hazardous materials into a storm drain or channel is prohibited

Call Anaheim's 24-hour hotline at (714) 765-6860 if you see illegal dumping into a storm drain or channel

# Developing in a Floodplain

If you plan to build in a floodplain, you need to complete an elevation or floodproofing certificate

FEDERAL EMERGENCY MANAGEMENT AGENCY NATIONAL FLOOD INSURANCE PROGRAM			O.M.B. No. 3067-0077 Expires July 31, 2002		
<b>ELEVATION CERTIFICATE</b>					
Important: Read the instructions on pages 1 - 7.					
<b>SECTION A - PROPERTY OWNER INFORMATION</b>				For Insurance Company Use:	
BUILDING OWNER'S NAME <b>I. M. WRIGHT</b>				Policy Number	
BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO. <b>2550 SHADY CREEK LANE</b>				Company NAIC Number	
CITY <b>FLOODVILLE</b>	STATE <b>CA</b>	ZIP CODE <b>96580</b>			
PROPERTY DESCRIPTION (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <b>APN 005-150-04</b>					
BUILDING USE (e.g., Residential, Non-residential, Addition, Accessory, etc. Use a Comments area, if necessary.) <b>PROPOSED NEW RESIDENTIAL STRUCTURE</b>					
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:		
<b>SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION</b>					
B1. NFP COMMUNITY NAME & COMMUNITY NUMBER <b>FLOODVILLE 060002</b>		B2. COUNTY NAME <b>RIVER COUNTY</b>		B3. STATE <b>CA</b>	
B4. MAP AND PANEL NUMBER <b>0450</b>	B5. SUFFIX <b>D</b>	B6. FIRM INDEX DATE <b>06/05/96</b>	B7. FIRM PANEL EFFECTIVE/REVISED DATE <b>05/16/94</b>	B8. FLOOD ZONE(S) <b>AO</b>	
				B9. BASE FLOOD ELEVATION(S) (Zone AO, use depth of flooding) <b>DEPTH 2'</b>	
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in B9. <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other (Describe):					
B11. Indicate the elevation datum used for the BFE in B9: <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other (Describe): <b>N/A</b>					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date <b>N/A</b>					
<b>SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)</b>					
C1. Building elevations are based on: <input checked="" type="checkbox"/> Construction Drawings* <input type="checkbox"/> Building Under Construction* <input type="checkbox"/> Finished Construction *A new Elevation Certificate will be required when construction of the building is complete.					
C2. Building Diagram Number ____ (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+ 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 ____ Conversion/Comments					
Elevation reference mark used ____ Does the elevation reference mark used appear on the FIRM? <input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> a) Top of bottom floor (including basement or enclosure) _____ ft.(m)					
<input type="checkbox"/> b) Top of next higher floor _____ ft.(m)					
<input type="checkbox"/> c) Bottom of lowest horizontal structural member (V zones only) _____ ft.(m)					
<input type="checkbox"/> d) Attached garage (top of slab) _____ ft.(m)					
<input type="checkbox"/> e) Lowest elevation of machinery and/or equipment servicing the building (Describe in a Comments area) _____ ft.(m)					
<input type="checkbox"/> f) Lowest adjacent (finished) grade (LAG) _____ ft.(m)					
<input type="checkbox"/> g) Highest adjacent (finished) grade (HAG) _____ ft.(m)					
<input type="checkbox"/> h) No. of permanent openings (flood vents) within 1 ft. above adjacent grade <b>18</b>					
<input type="checkbox"/> i) Total area of all permanent openings (flood vents) in C3.h <b>2074</b> sq. in. (sq. cm)					
<b>SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION</b>					
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		LICENSE NUMBER			
TITLE	COMPANY NAME				
ADDRESS	CITY	STATE	ZIP CODE		
SIGNATURE	DATE	TELEPHONE			
<small>FEMA Form 81-31, JUL 00</small> <span style="margin-left: 200px;"><small>SEE REVERSE SIDE FOR CONTINUATION</small></span> <span style="float: right;"><small>REPLACES ALL PREVIOUS EDITIONS</small></span>					



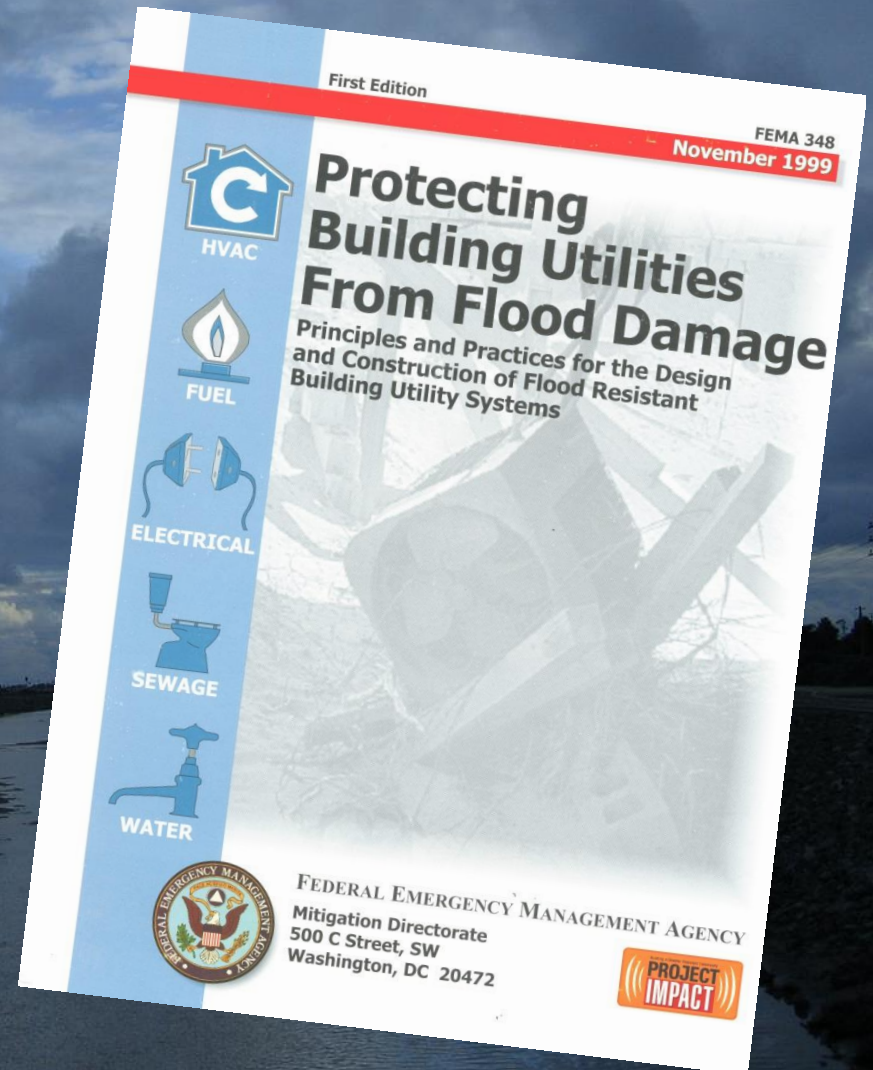
# Developing in a Floodplain

Additions to a building that add more than 50% to its existing market value will require you to elevate or flood proof your entire structure



# Technical Assistance

The Anaheim Central Library carries several books on building in a floodplain





# Additional Assistance

For questions about completing an elevation or floodproofing certificate, assistance is available from the city's Building Division

Contact the Building Division at  
(714) 765-5153

# Flood Myth

Myth: Flood insurance only protects my property from 100-year floods

Fact: Flood insurance provides coverage from all flood events

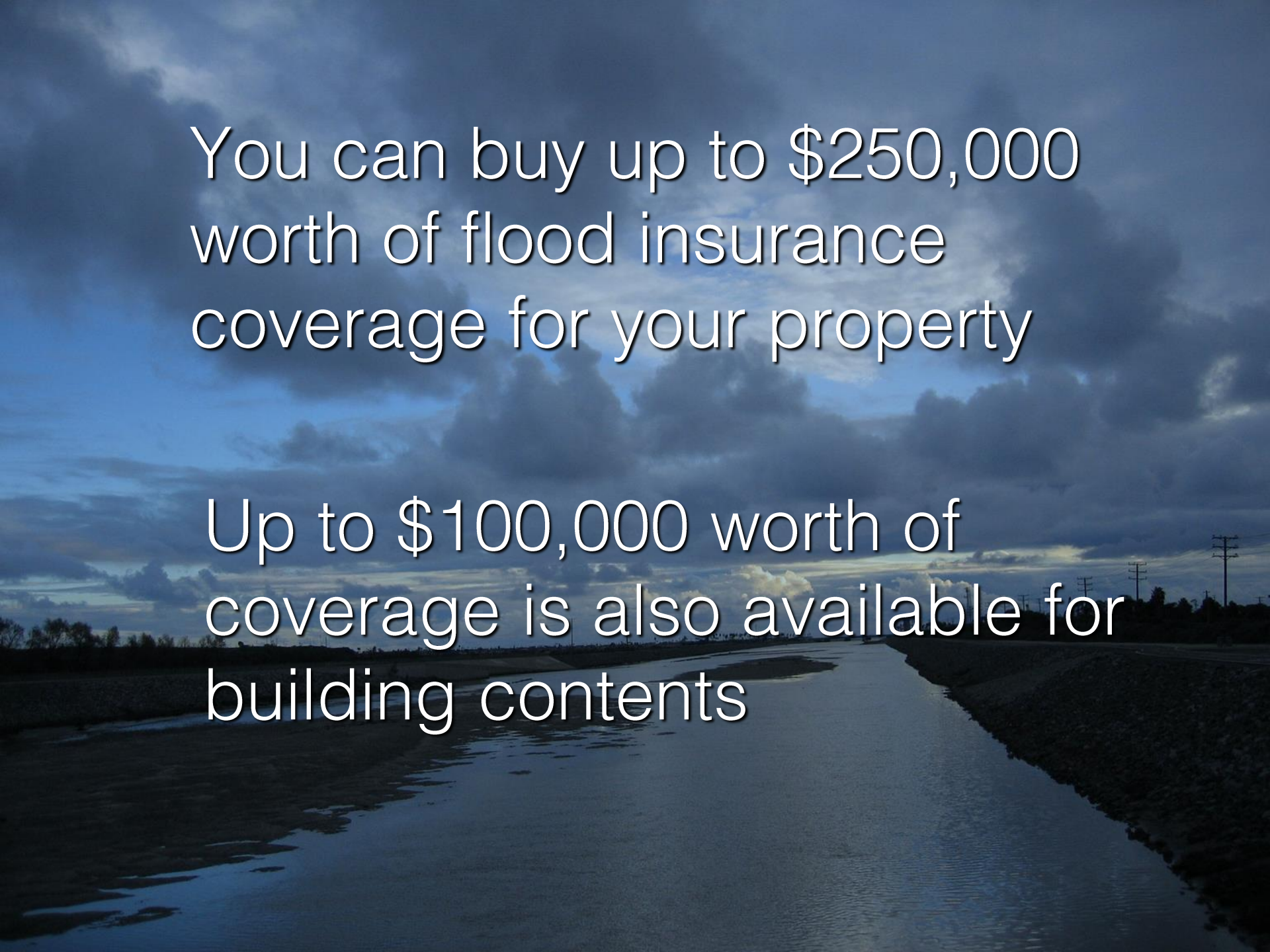


# Flood Insurance

Flood insurance is required if your building is financed by a federally backed loan

Other lenders may also require you to carry flood insurance





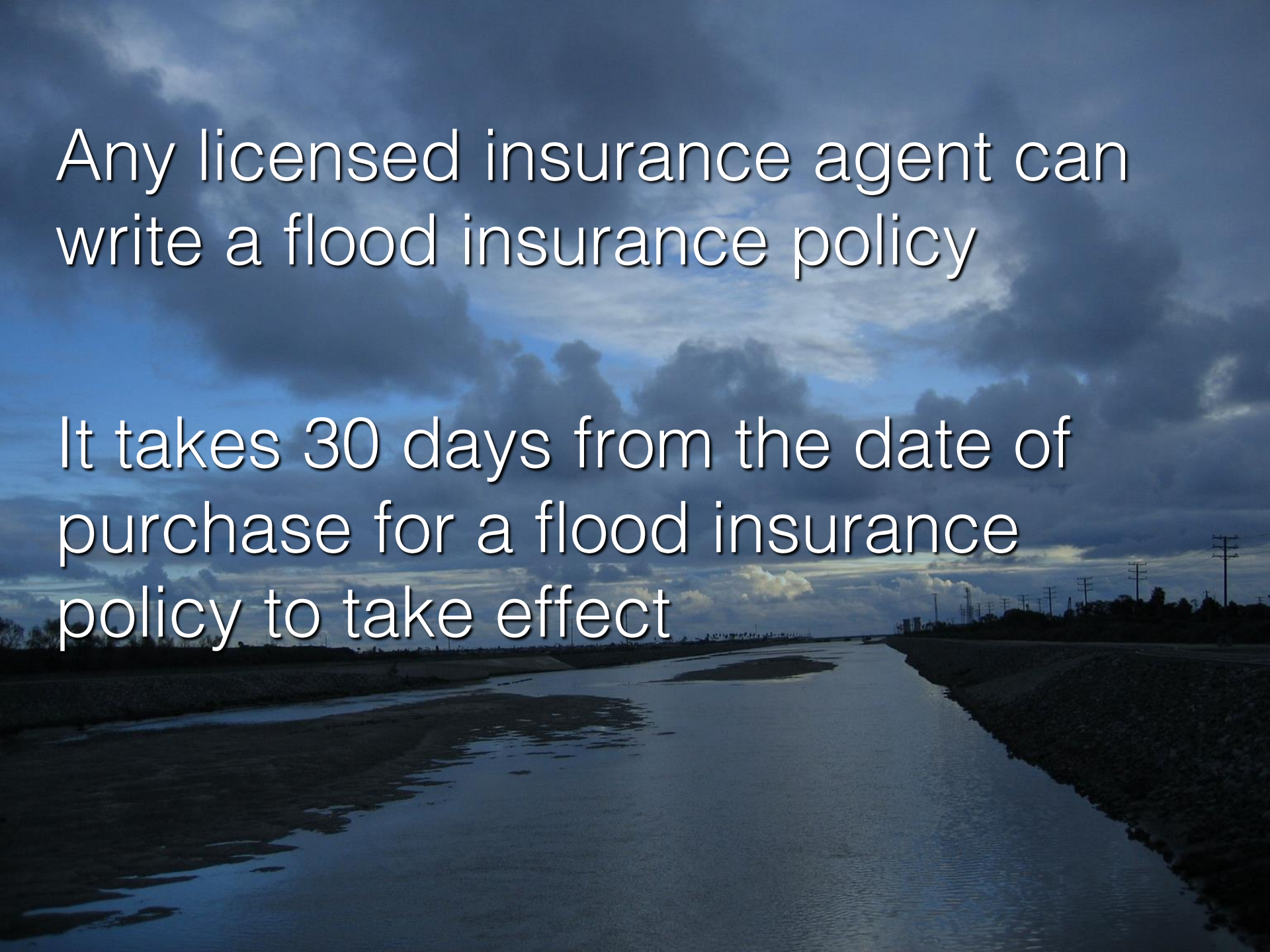
You can buy up to \$250,000  
worth of flood insurance  
coverage for your property

Up to \$100,000 worth of  
coverage is also available for  
building contents

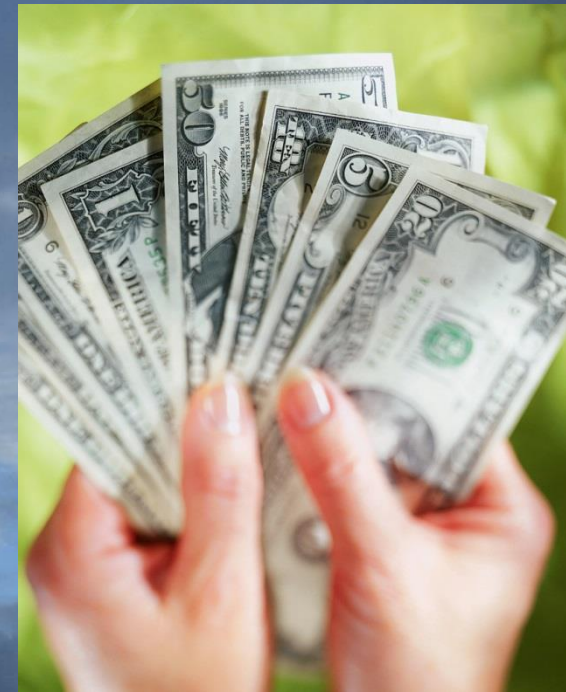


Any licensed insurance agent can write a flood insurance policy

It takes 30 days from the date of purchase for a flood insurance policy to take effect



Anaheim property owners and renters receive up to a 20% discount on flood insurance



This discount is provided with the city of Anaheim's participation in FEMA's Community Rating System program



# Community Rating System

A program through which cities work to raise public awareness of flood hazards



# Flood Questions?

Floodsmart.gov is a great resource for additional information on flood risks

You also can call the Planning Department at (714) 765-5139 for additional information (Monday through Friday, 8 a.m. to 5 p.m.)