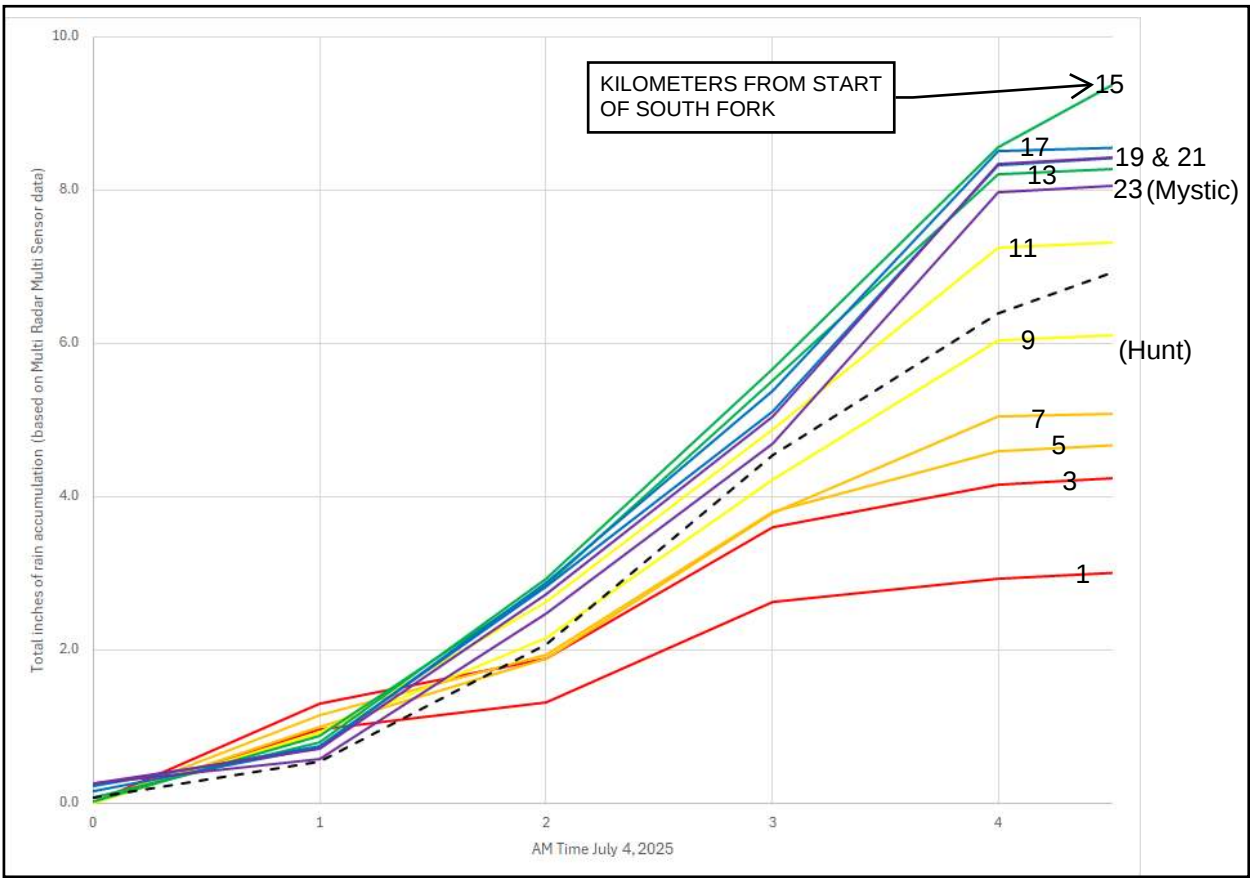
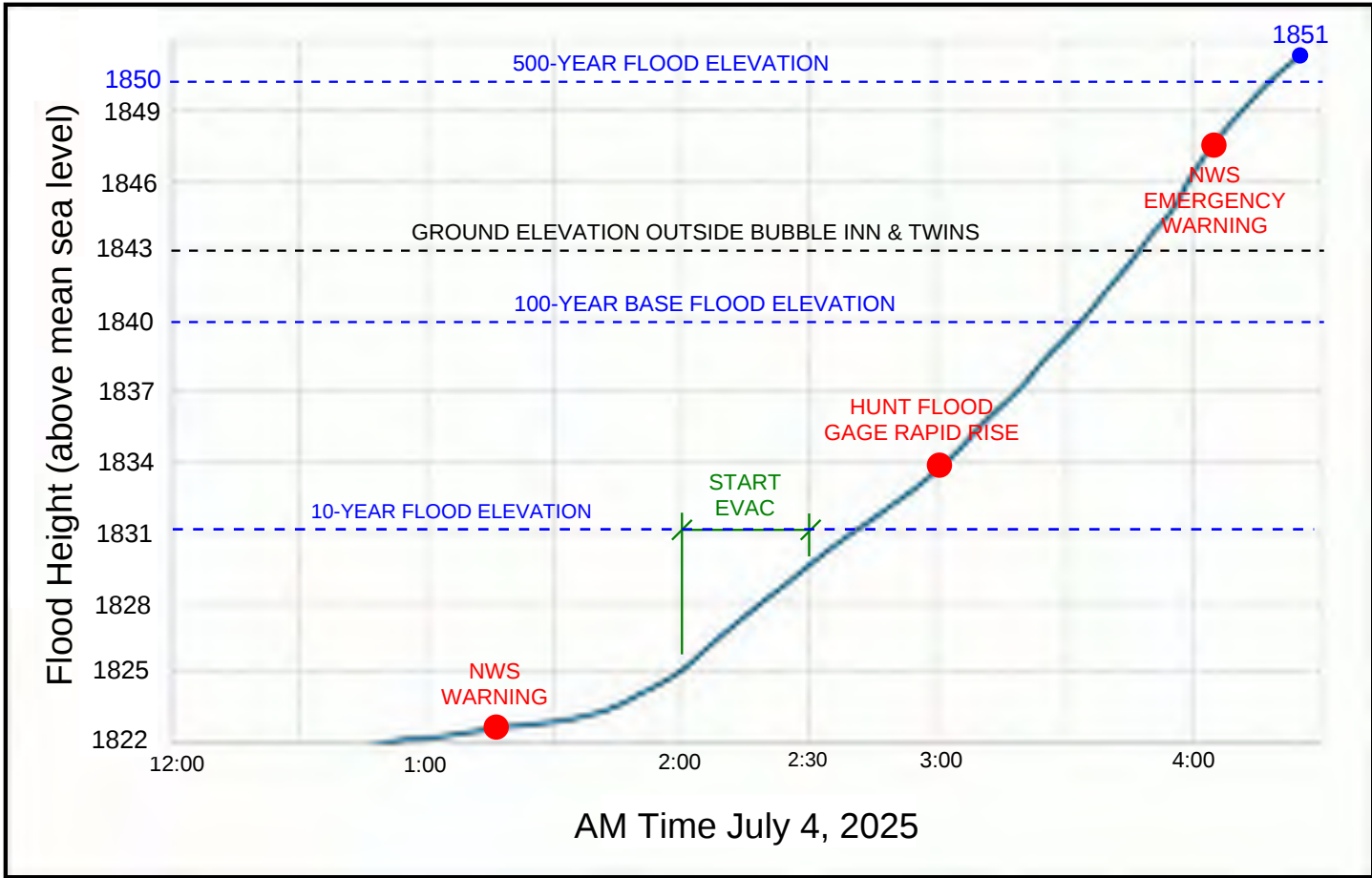
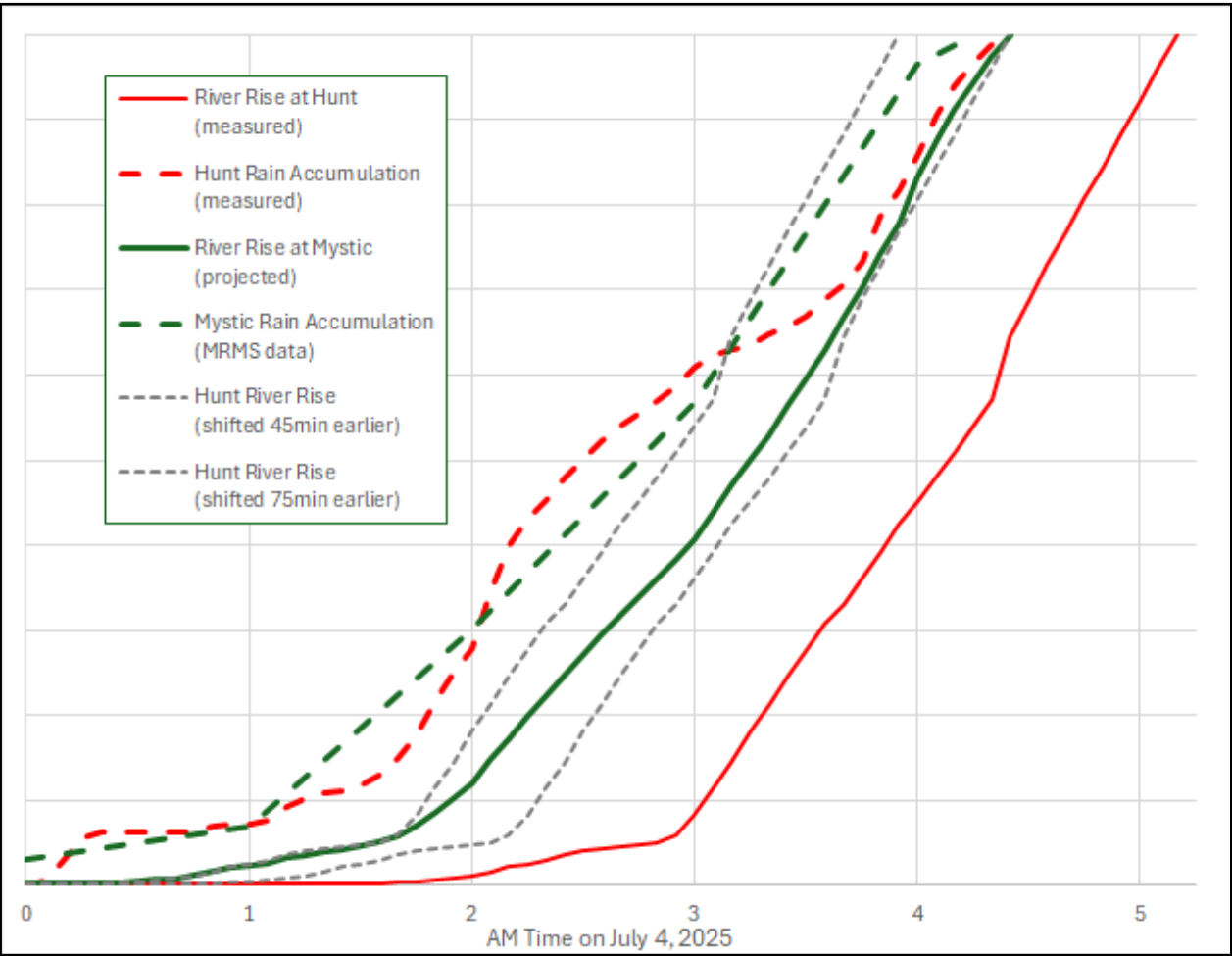
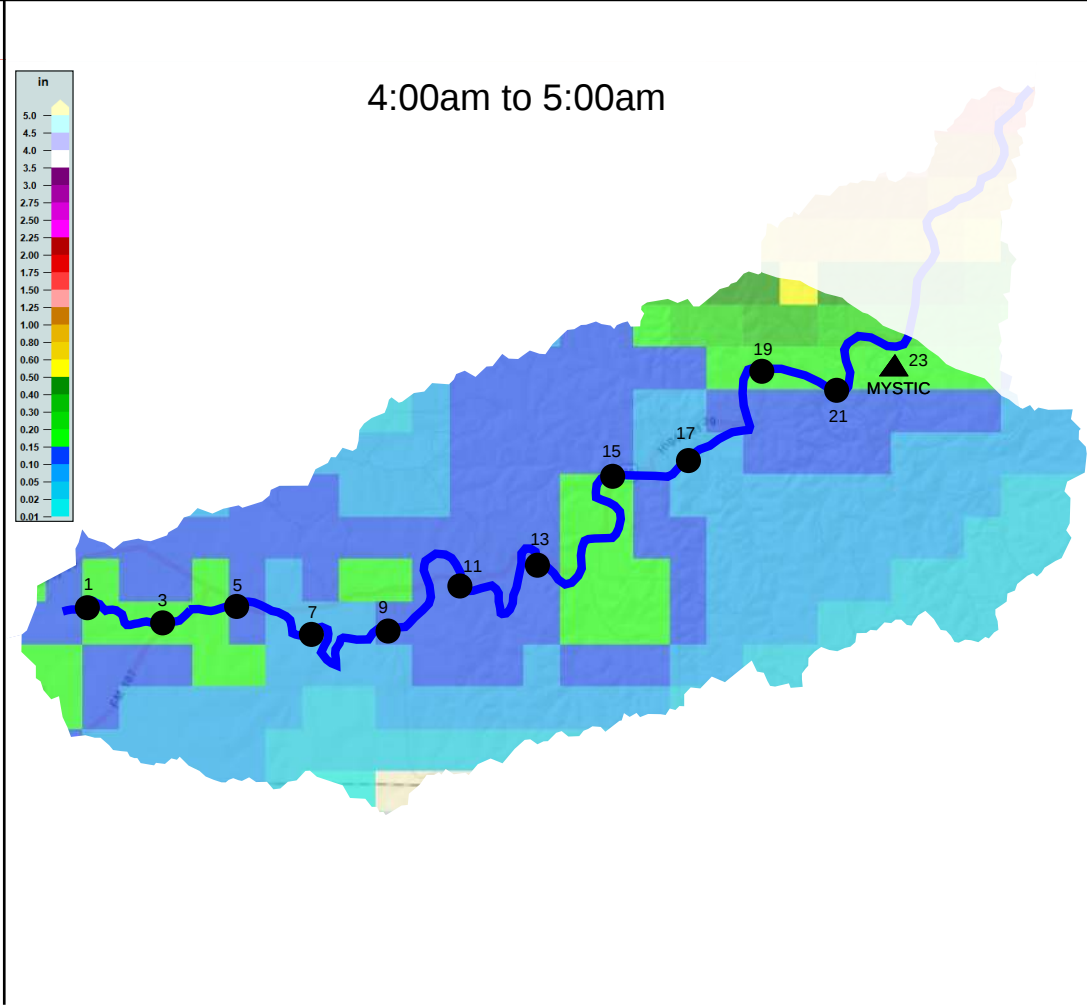
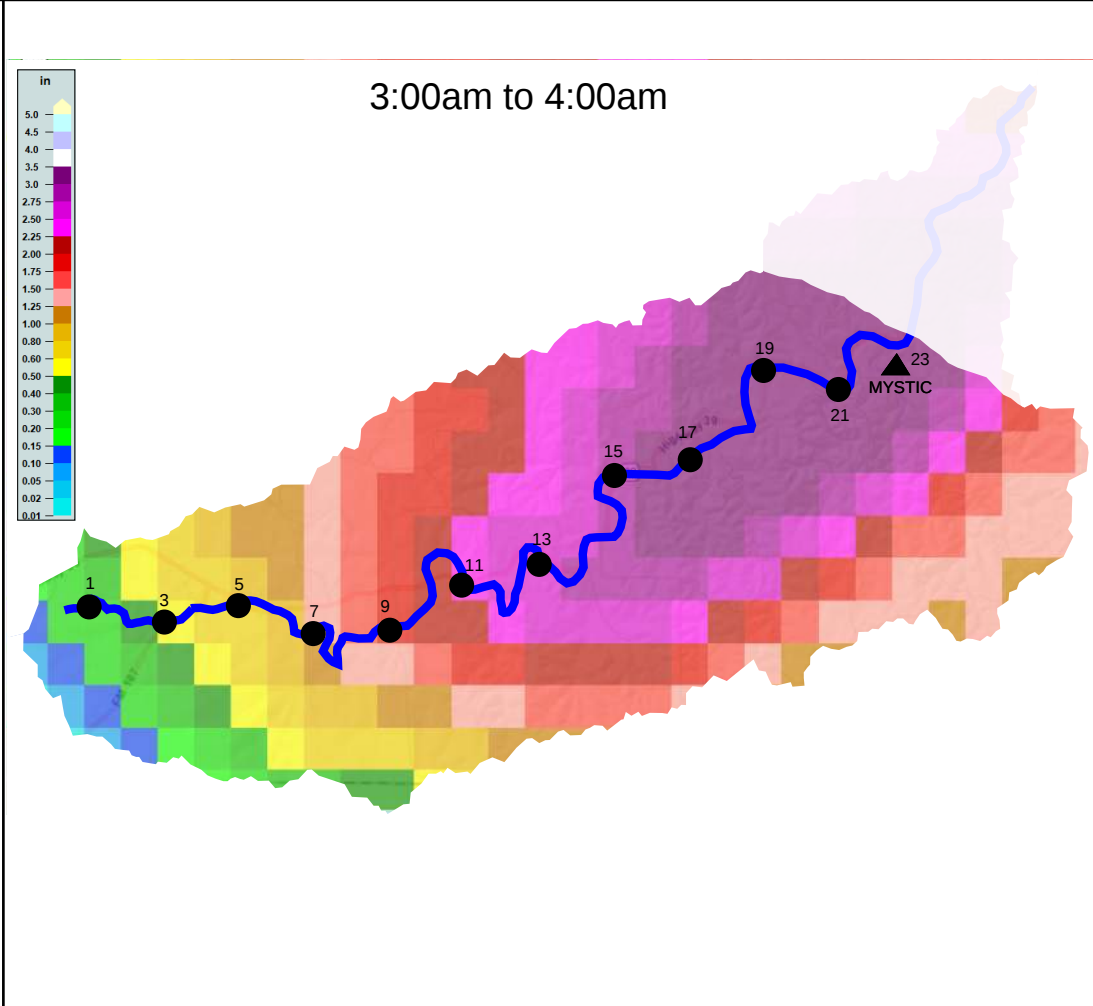
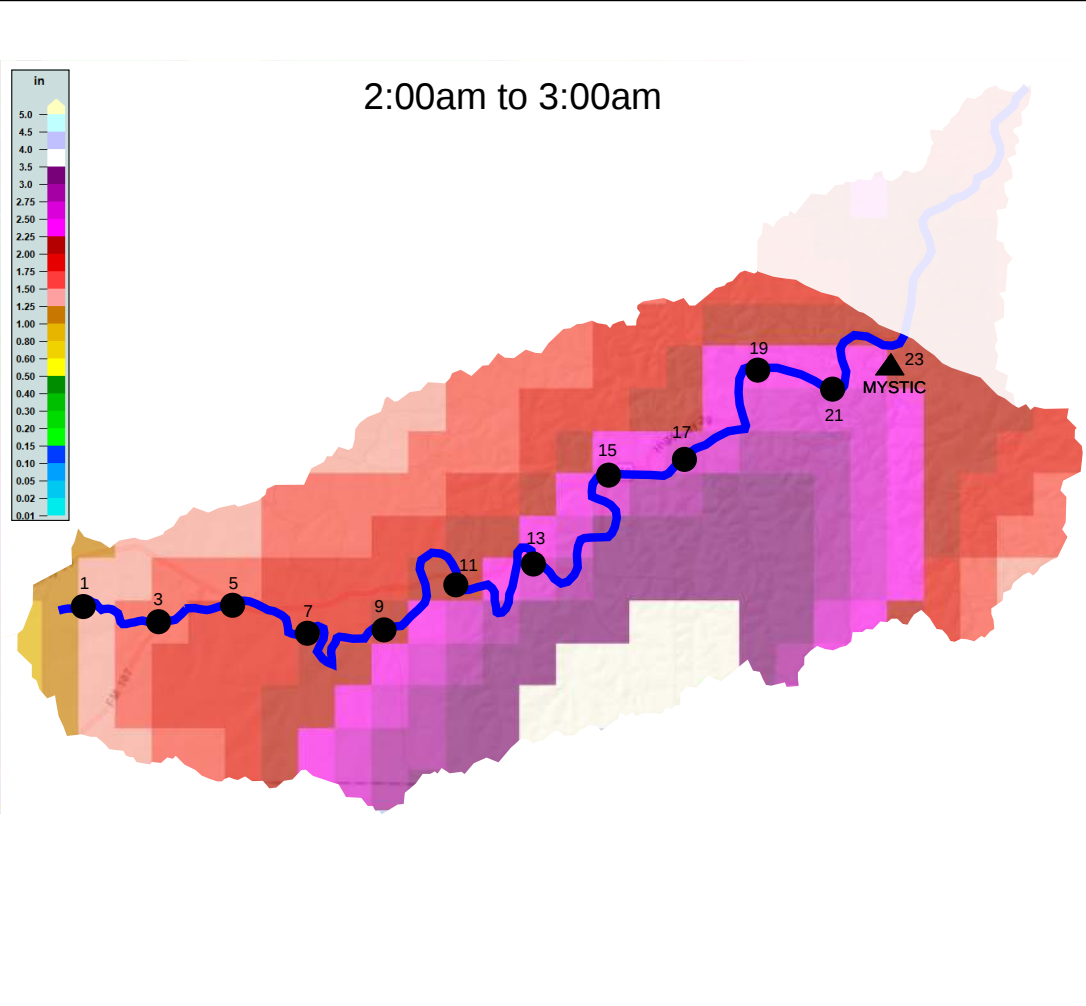
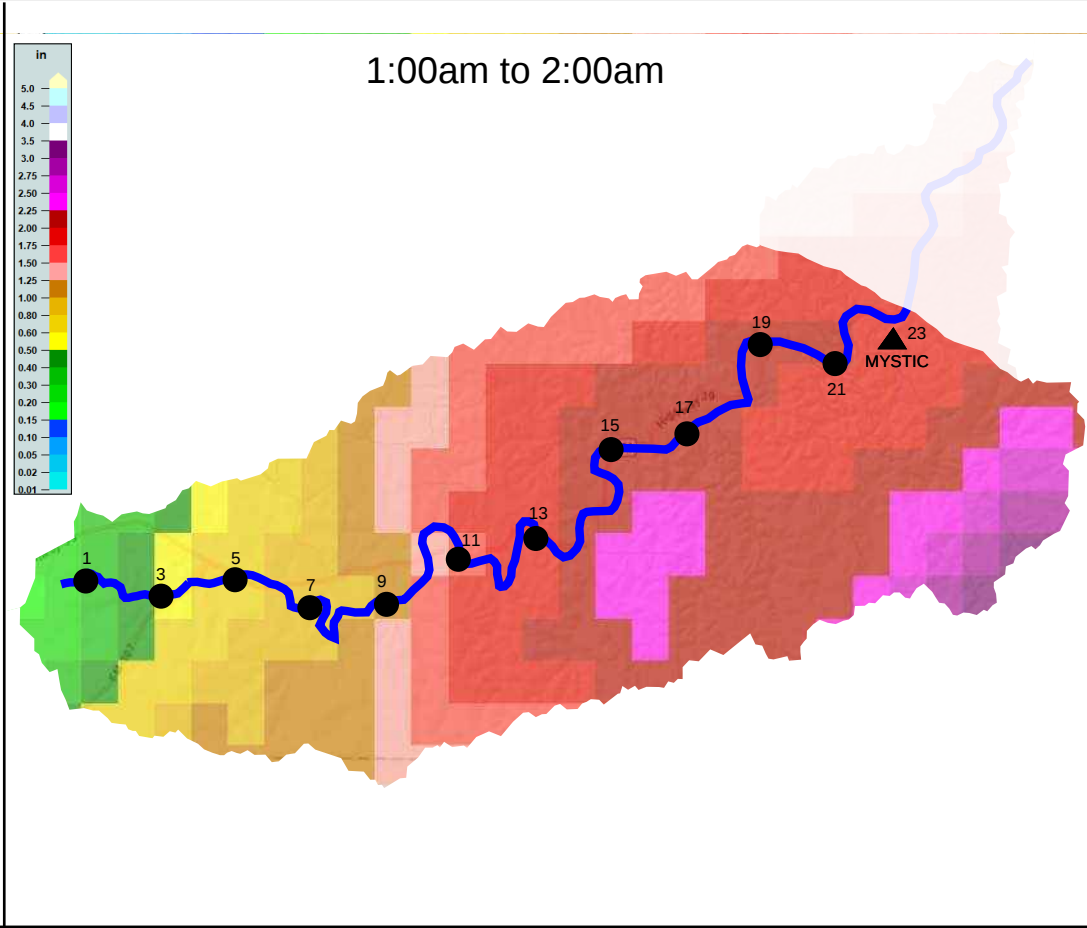
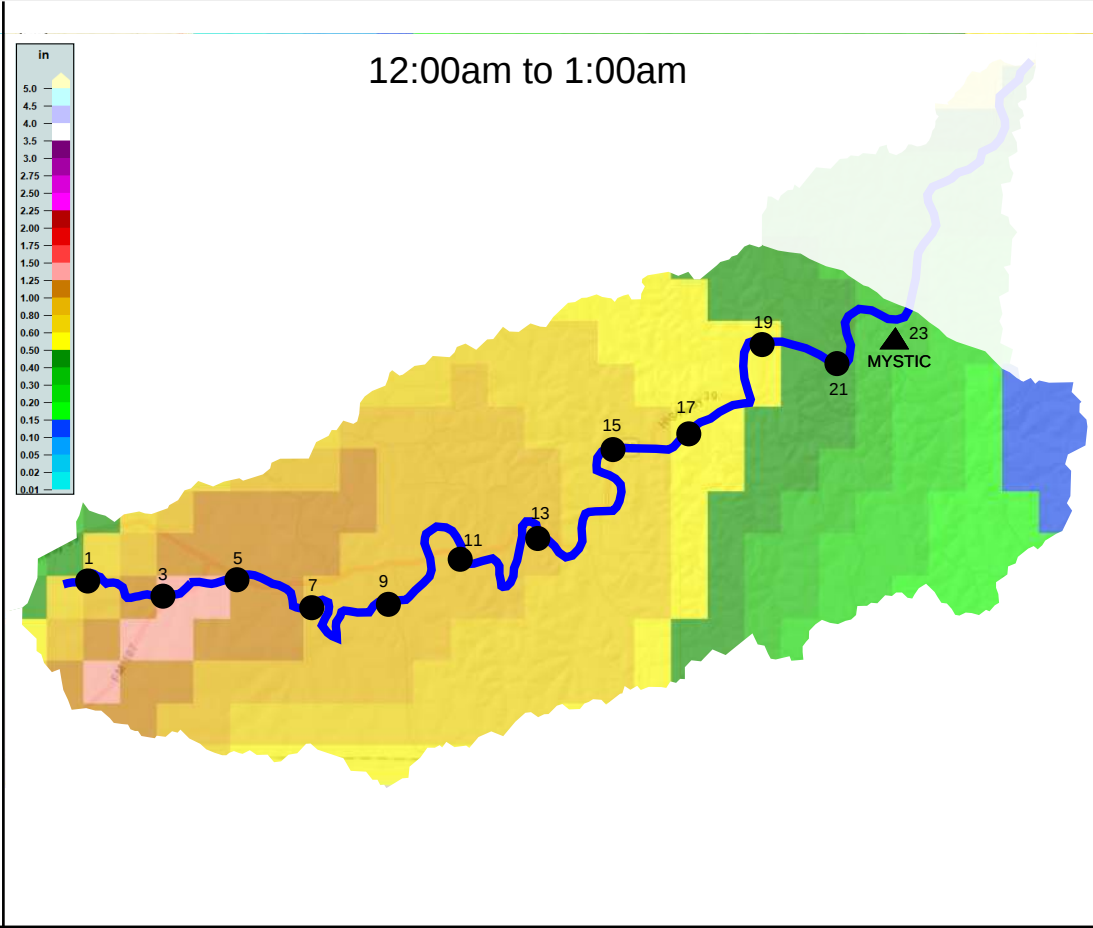
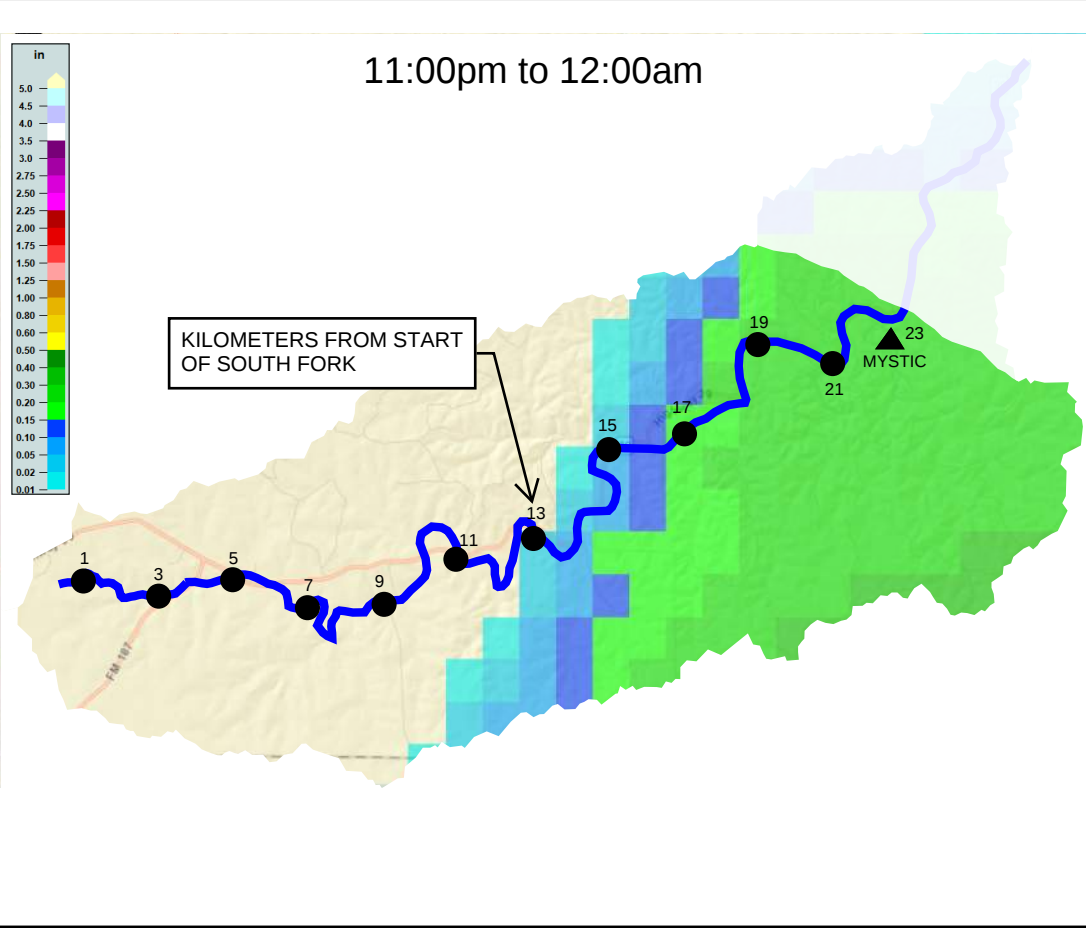


Piecing together the topography with time, flow, and rainfall data from the flood gages, we can start to see how the flood might have progressed at Mystic that morning. The images below were generated based on the following assumptions:

- There isn't a flood gage on the south fork. The Hunt flood gage is about 6 miles downstream. Assuming the flood head water is traveling an average 6 miles per hour, the flood water at Mystic would be rising about an hour sooner than in Hunt.
- The measured rainfall accumulation in Hunt gives a more real time indication of the water rise at Mystic.
- The flow gage in Hunt measured a max rise of 29.9 feet at 5:10AM (and stopped recording after that). Based on pictures from after the flood at Mystic, it seems like the flood reached an elevation around 1851 ft above sea level. This would correspond to a rise of 29 ft at Mystic and is about 1 foot higher than the 500-year flood elevation according to the FEMA estBFE Viewer.



South Fork Watershed Hourly Rainfall



TIME: 1:10 AM

Water surface
elevation : 1822'

Total Rise : 0 feet



Flood Water Depth

- 0 to 1 feet
- 1 to 2 feet
- 2 to 3 feet
- 3 to 4 feet
- 4 to 6 feet
- 6 to 8 feet
- 8+ feet

NATIONAL WEATHER STATION

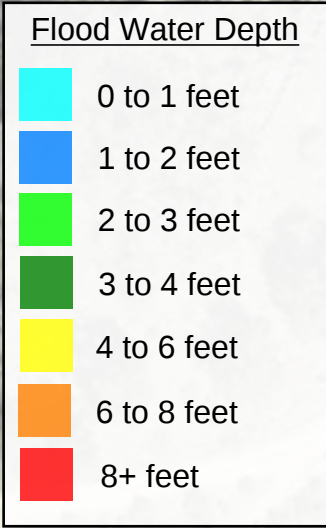
FLASH FLOOD WARNING

1:14 AM

TIME: 1:20 AM

Water surface
elevation : 1822'

Total Rise : 0 feet



TIME: 1:30 AM

Water surface
elevation : 1823'

Total Rise : 1 feet



Flood Water Depth

- 0 to 1 feet
- 1 to 2 feet
- 2 to 3 feet
- 3 to 4 feet
- 4 to 6 feet
- 6 to 8 feet
- 8+ feet

TIME: 1:40 AM

Water surface
elevation : 1823'

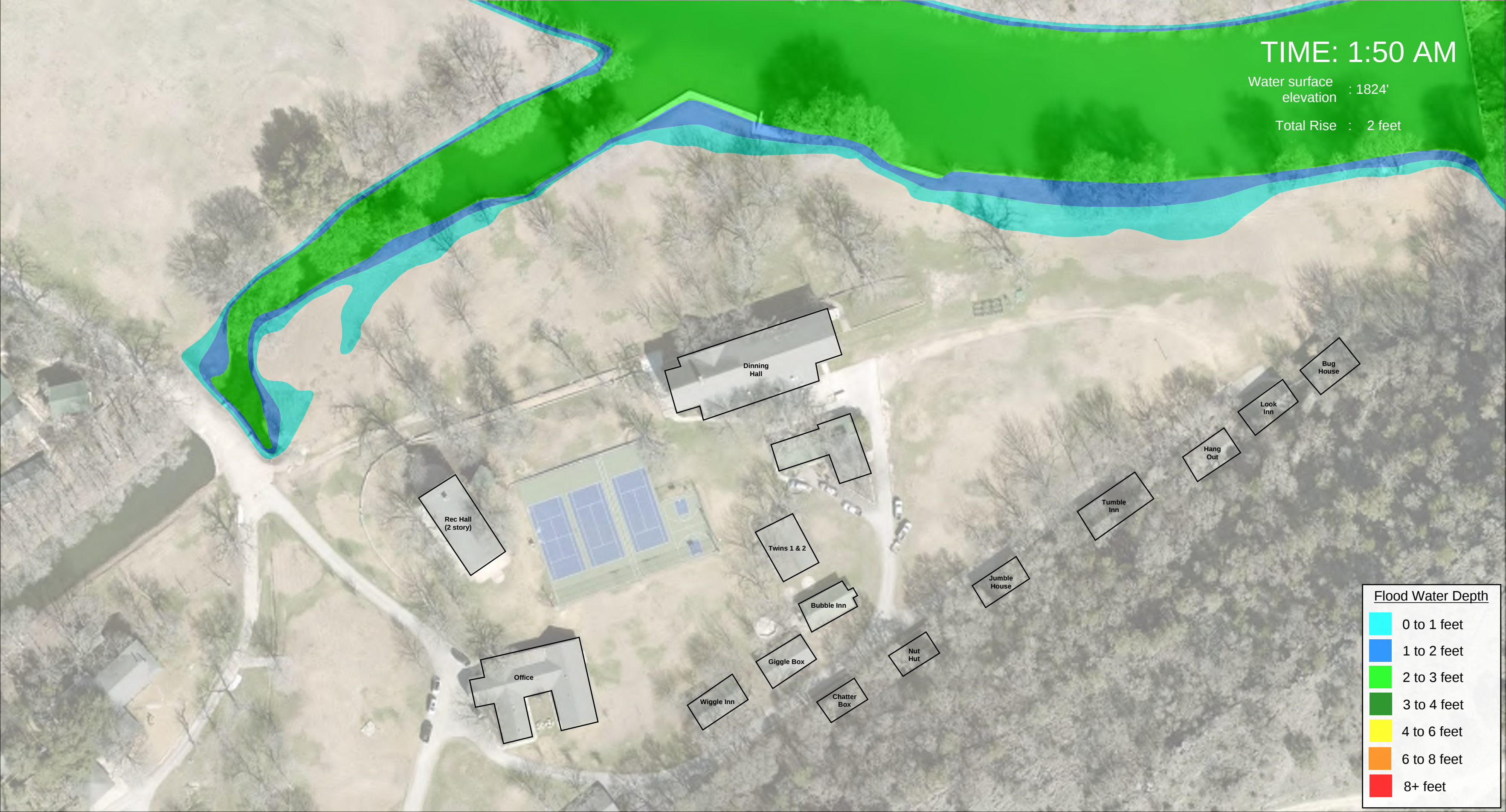
Total Rise : 1 feet

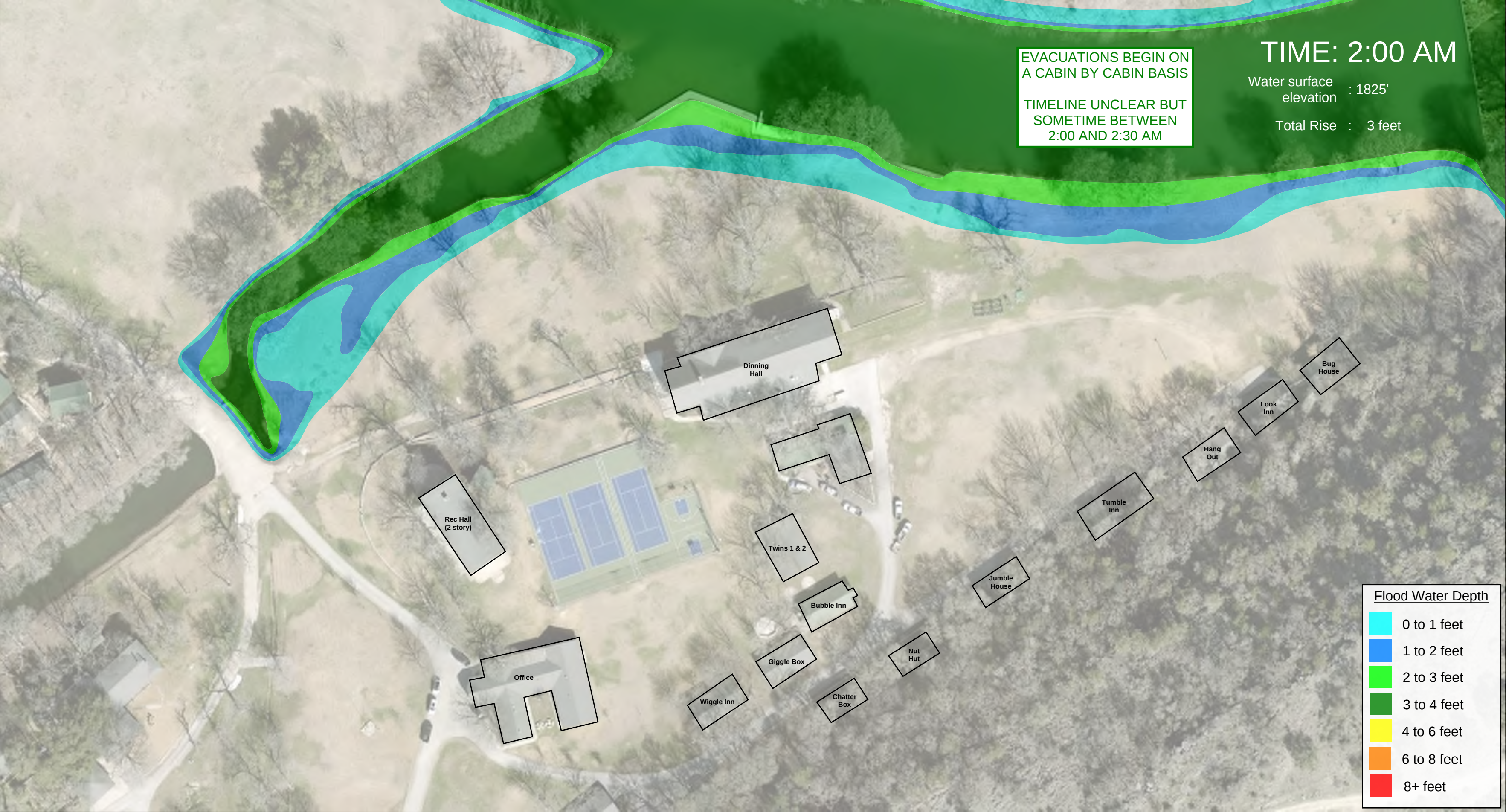


TIME: 1:50 AM

Water surface
elevation : 1824'

Total Rise : 2 feet





EVACUATIONS BEGIN ON
A CABIN BY CABIN BASIS

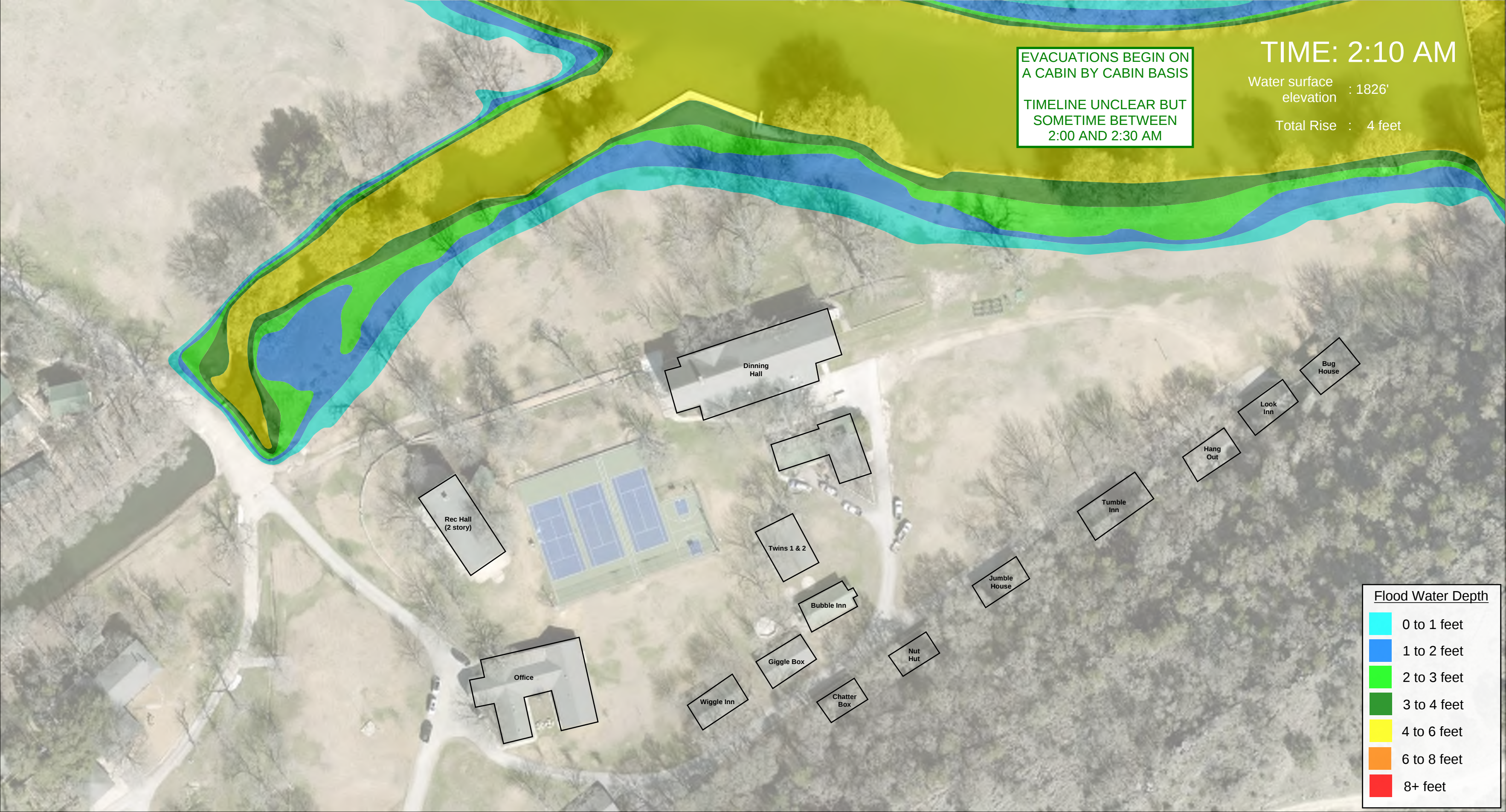
TIMELINE UNCLEAR BUT
SOMETIME BETWEEN
2:00 AND 2:30 AM

TIME: 2:00 AM

Water surface
elevation : 1825'

Total Rise : 3 feet

Flood Water Depth	
0 to 1 feet	
1 to 2 feet	
2 to 3 feet	
3 to 4 feet	
4 to 6 feet	
6 to 8 feet	
8+ feet	



EVACUATIONS BEGIN ON
A CABIN BY CABIN BASIS

TIMELINE UNCLEAR BUT
SOMETIME BETWEEN
2:00 AND 2:30 AM

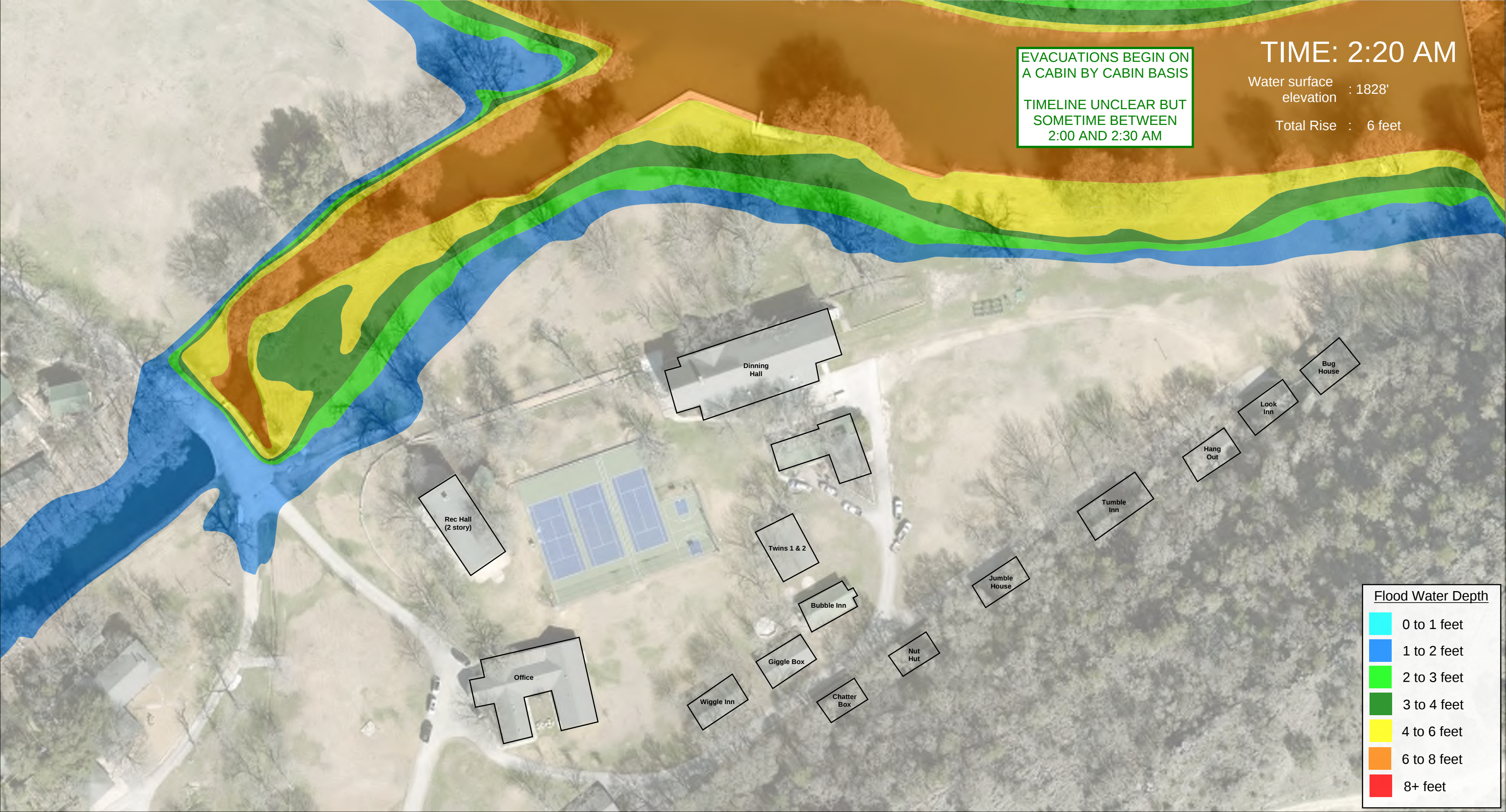
TIME: 2:10 AM

Water surface
elevation : 1826'

Total Rise : 4 feet

Flood Water Depth

- 0 to 1 feet
- 1 to 2 feet
- 2 to 3 feet
- 3 to 4 feet
- 4 to 6 feet
- 6 to 8 feet
- 8+ feet



EVACUATIONS BEGIN ON
A CABIN BY CABIN BASIS

TIMELINE UNCLEAR BUT
SOMETIME BETWEEN
2:00 AND 2:30 AM

TIME: 2:20 AM

Water surface
elevation : 1828'

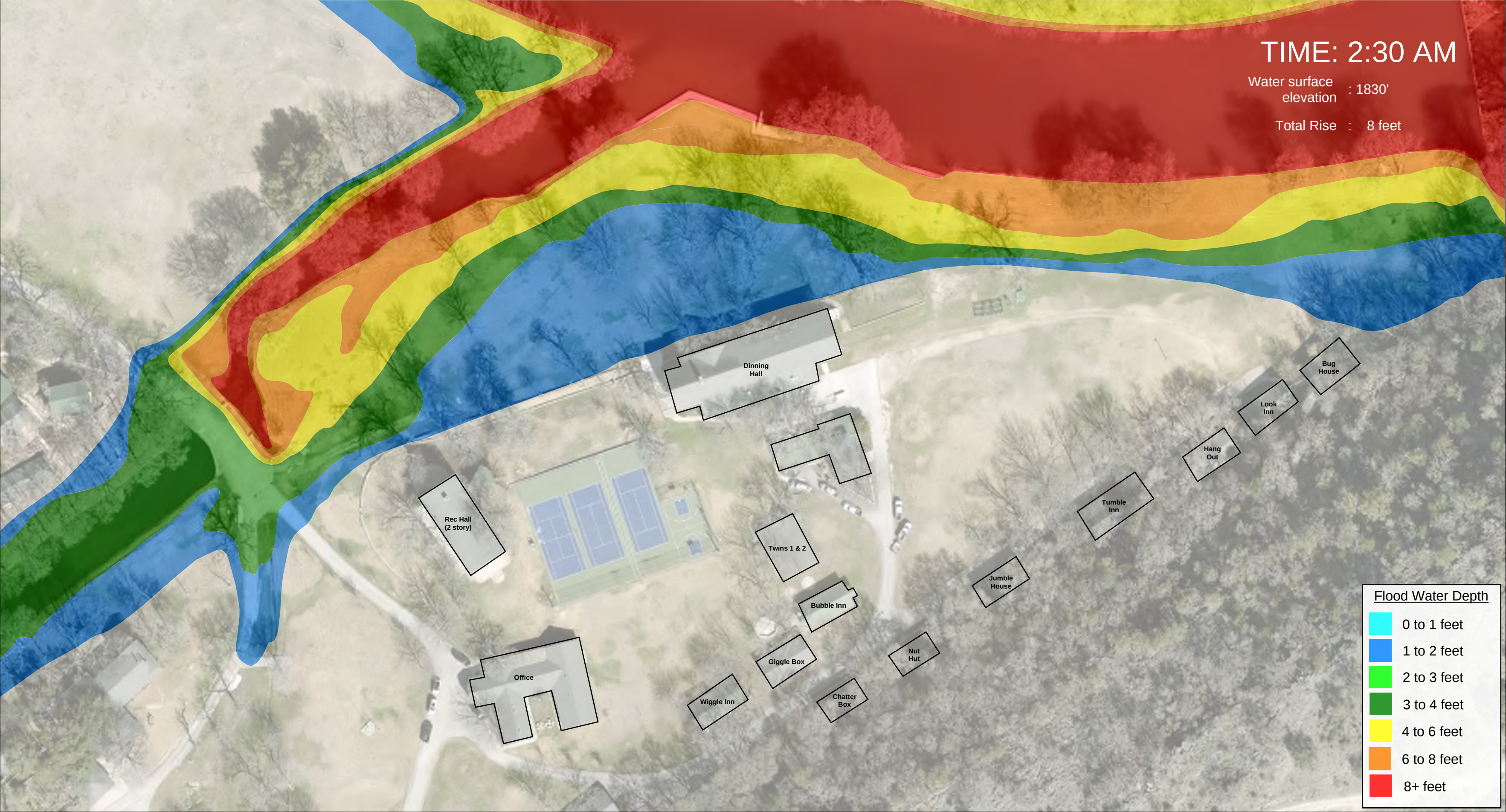
Total Rise : 6 feet

Flood Water Depth	
0 to 1 feet	
1 to 2 feet	
2 to 3 feet	
3 to 4 feet	
4 to 6 feet	
6 to 8 feet	
8+ feet	

TIME: 2:30 AM

Water surface
elevation : 1830'

Total Rise : 8 feet



Rec Hall
(2 story)

Dinning
Hall

Twins 1 & 2

Twins 1 & 2

Bubble Inn

Giggle Box

Wiggle Inn

Chatter
Box

Nut
Hut

Jumble
House

Tumble
Inn

Hang
Out

Look
Inn

Bug
House

Office

Flood Water Depth

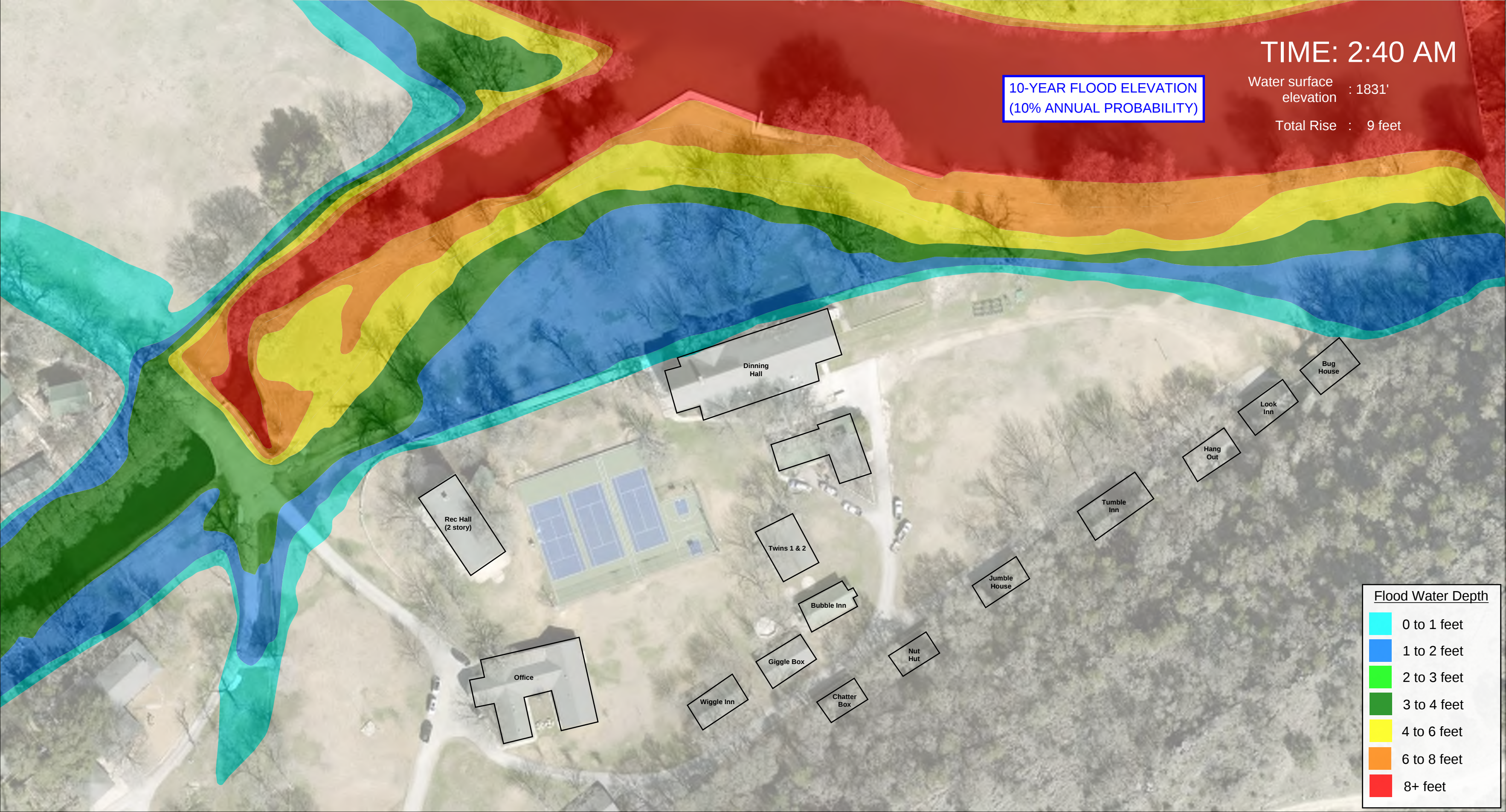
- 0 to 1 feet
- 1 to 2 feet
- 2 to 3 feet
- 3 to 4 feet
- 4 to 6 feet
- 6 to 8 feet
- 8+ feet

TIME: 2:40 AM

10-YEAR FLOOD ELEVATION
(10% ANNUAL PROBABILITY)

Water surface
elevation : 1831'

Total Rise : 9 feet



Flood Water Depth	
0 to 1 feet	
1 to 2 feet	
2 to 3 feet	
3 to 4 feet	
4 to 6 feet	
6 to 8 feet	
8+ feet	

Dinning Hall

Rec Hall
(2 story)

Office

Twins 1 & 2

Bubble Inn

Giggle Box

Wiggle Inn

Chatter Box

Nut Hut

Jumble House

Tumble Inn

Hang Out

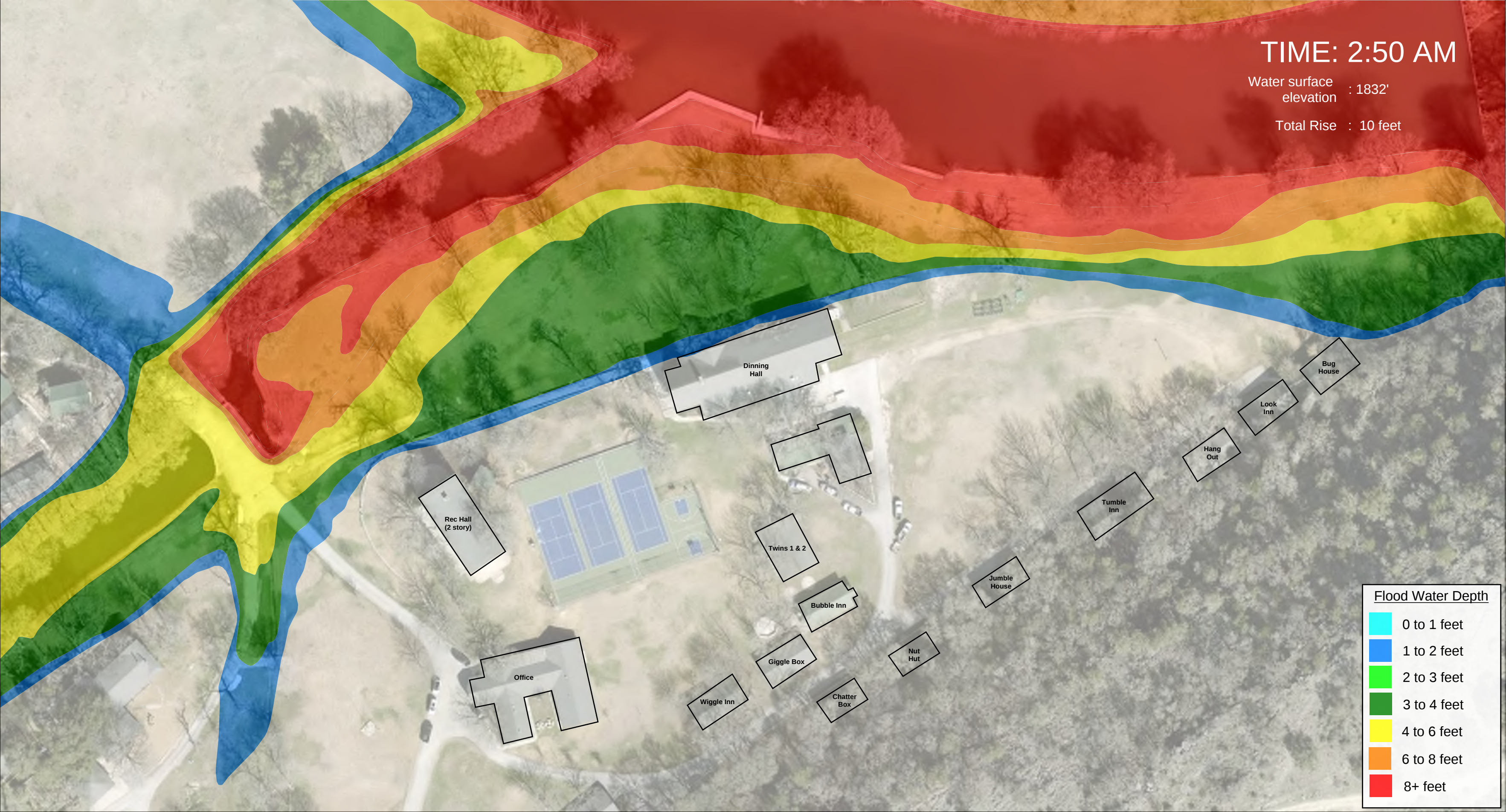
Look Inn

Bug House

TIME: 2:50 AM

Water surface
elevation : 1832'

Total Rise : 10 feet



Dinning
Hall

Rec Hall
(2 story)

Office

Twins 1 & 2

Bubble Inn

Giggle Box

Wiggle Inn

Chatter
Box

Nut
Hut

Jumble
House

Tumble
Inn

Hang
Out

Look
Inn

Bug
House

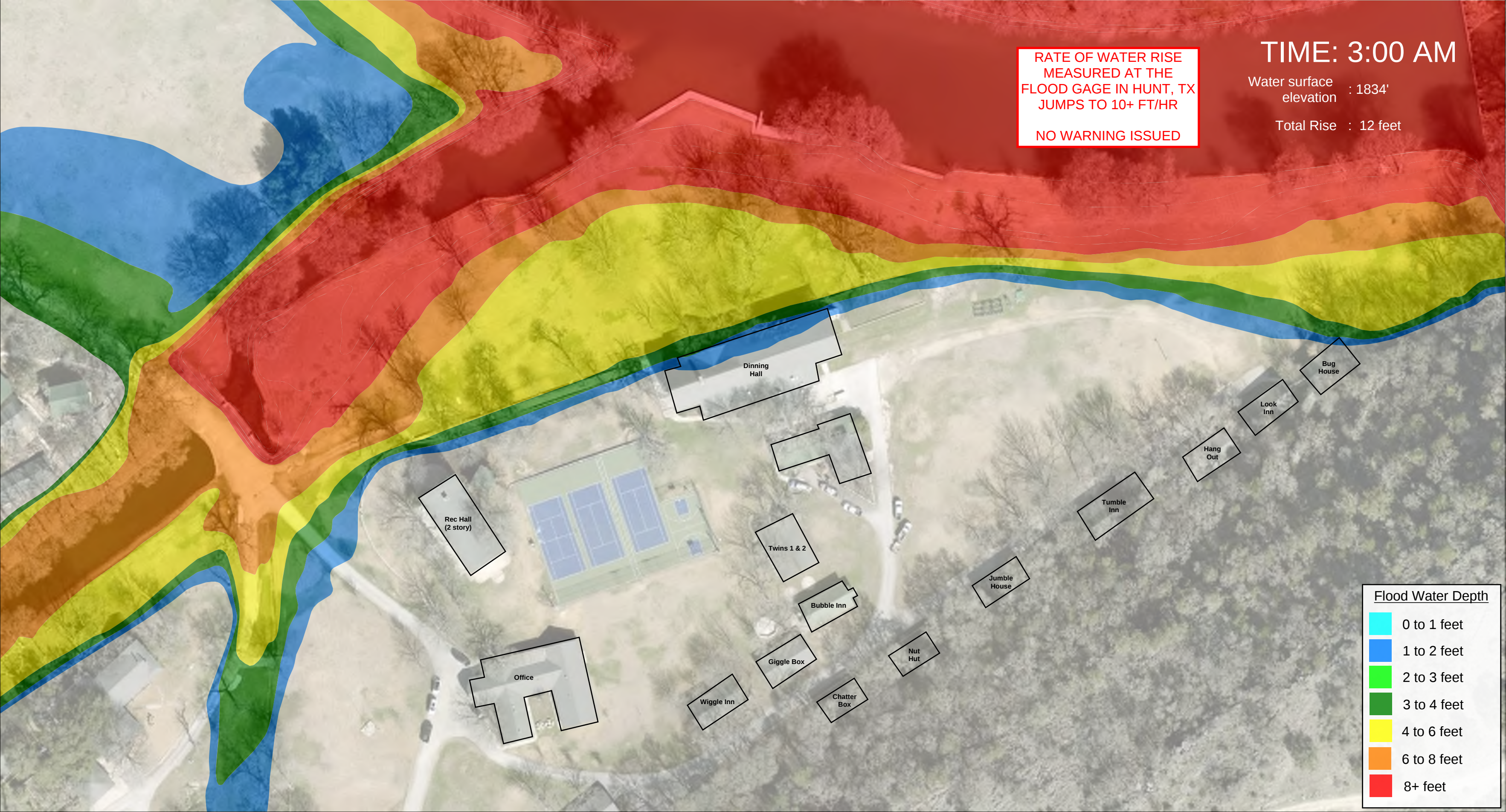
RATE OF WATER RISE
MEASURED AT THE
FLOOD GAGE IN HUNT, TX
JUMPS TO 10+ FT/HR

NO WARNING ISSUED

TIME: 3:00 AM

Water surface
elevation : 1834'

Total Rise : 12 feet



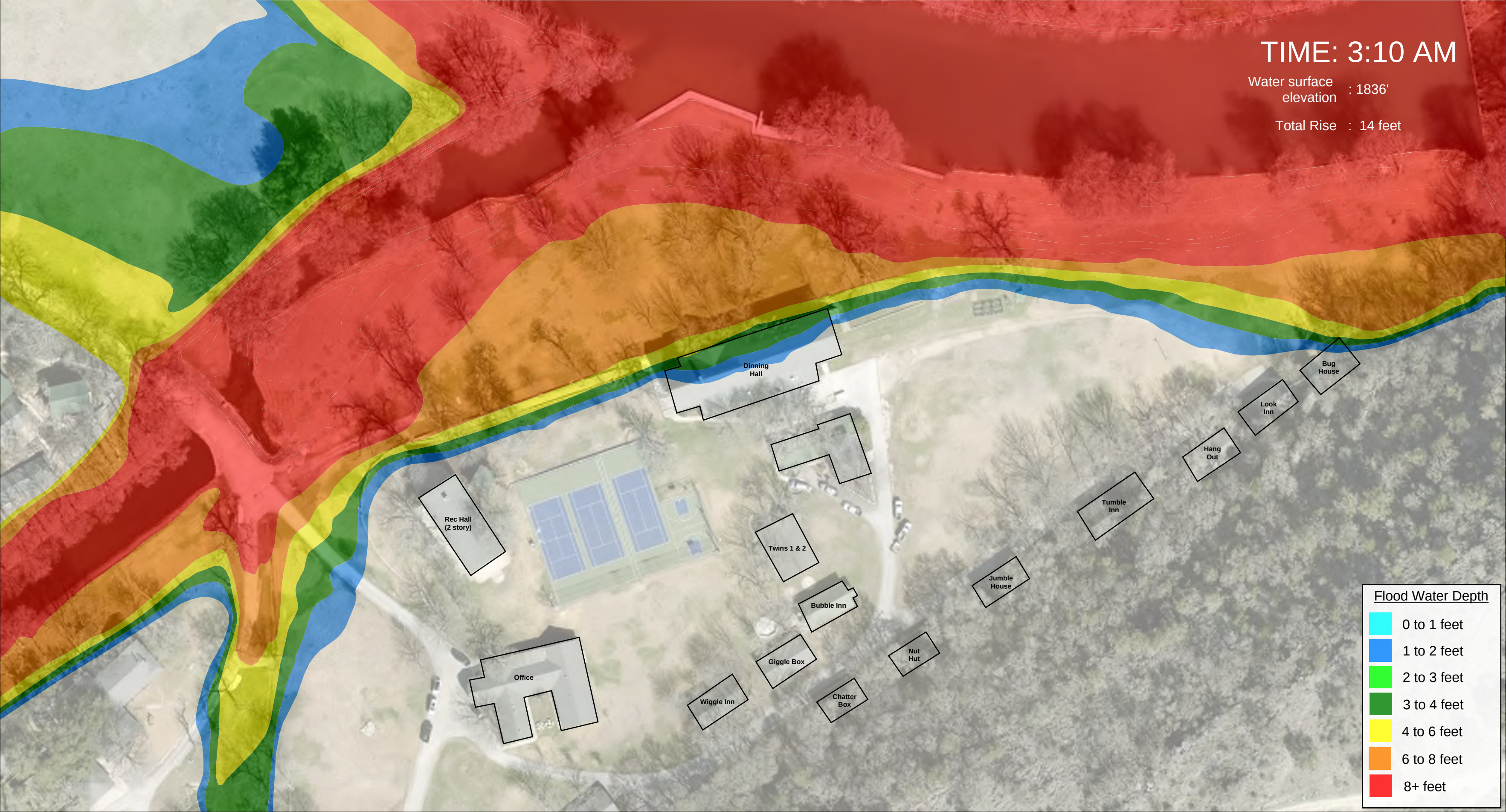
Flood Water Depth

- 0 to 1 feet
- 1 to 2 feet
- 2 to 3 feet
- 3 to 4 feet
- 4 to 6 feet
- 6 to 8 feet
- 8+ feet

TIME: 3:10 AM

Water surface
elevation : 1836'

Total Rise : 14 feet



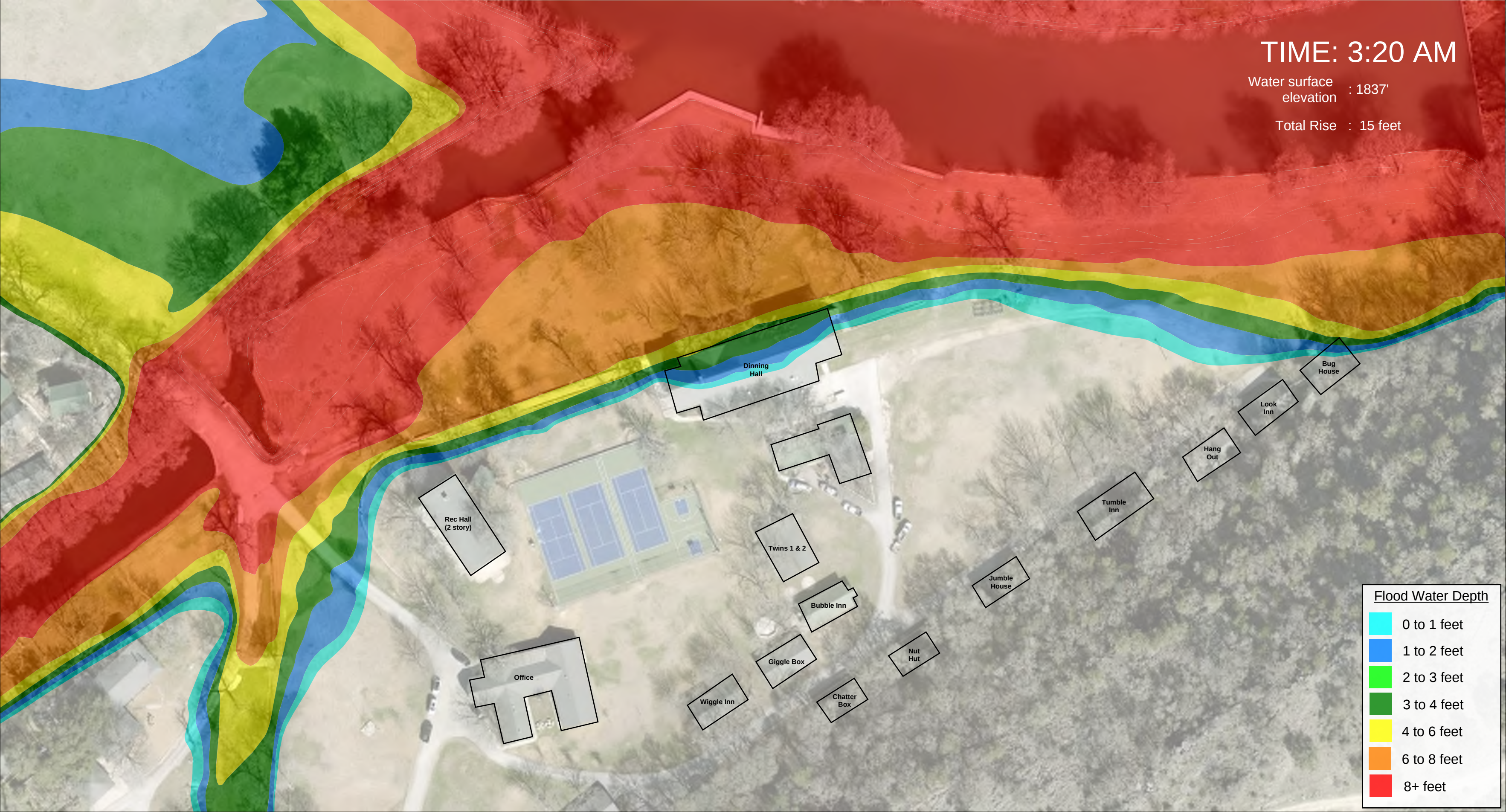
Flood Water Depth

- 0 to 1 feet
- 1 to 2 feet
- 2 to 3 feet
- 3 to 4 feet
- 4 to 6 feet
- 6 to 8 feet
- 8+ feet

TIME: 3:20 AM

Water surface
elevation : 1837'

Total Rise : 15 feet



Flood Water Depth

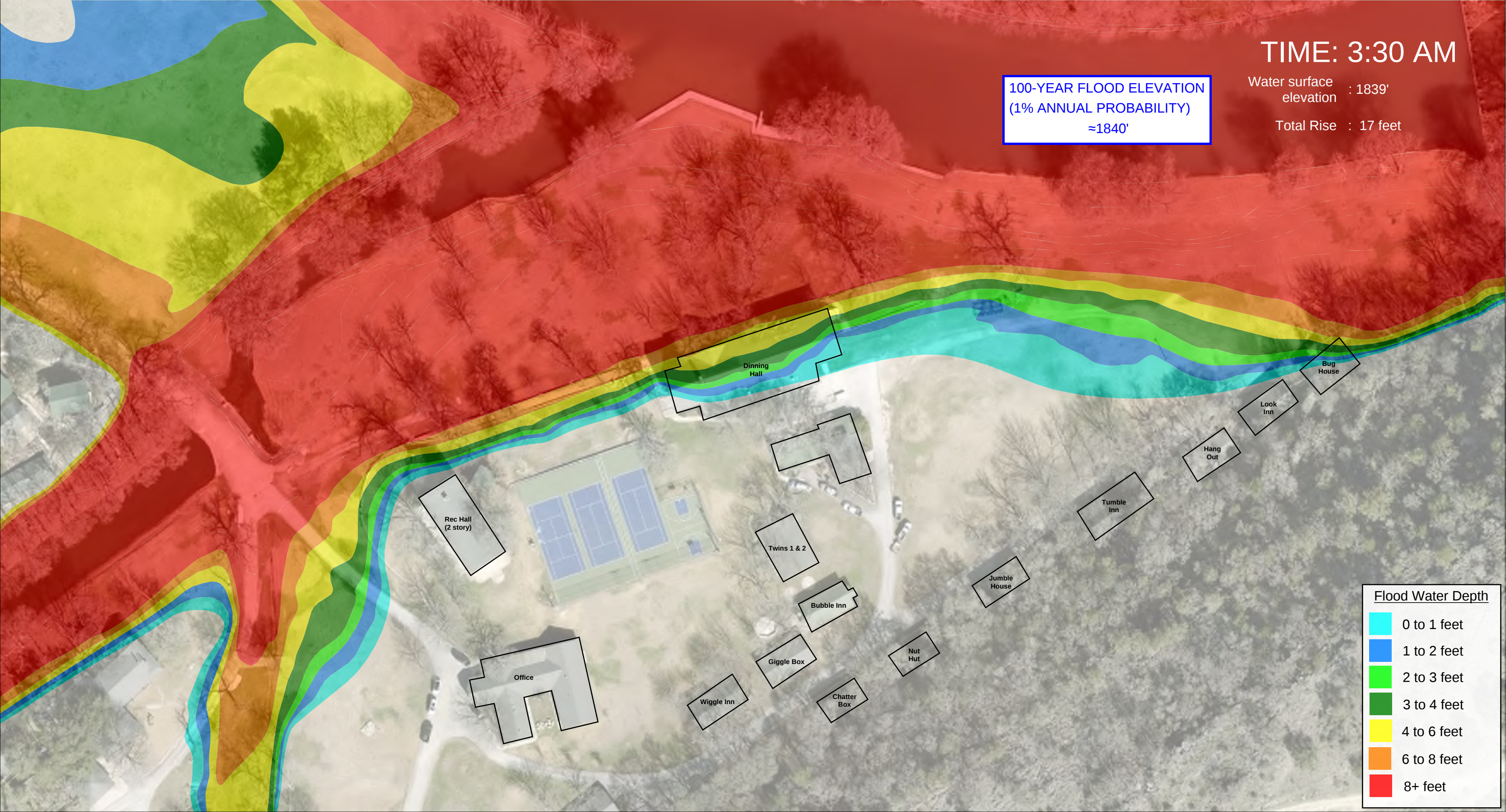
- 0 to 1 feet
- 1 to 2 feet
- 2 to 3 feet
- 3 to 4 feet
- 4 to 6 feet
- 6 to 8 feet
- 8+ feet

TIME: 3:30 AM

Water surface
elevation : 1839'

Total Rise : 17 feet

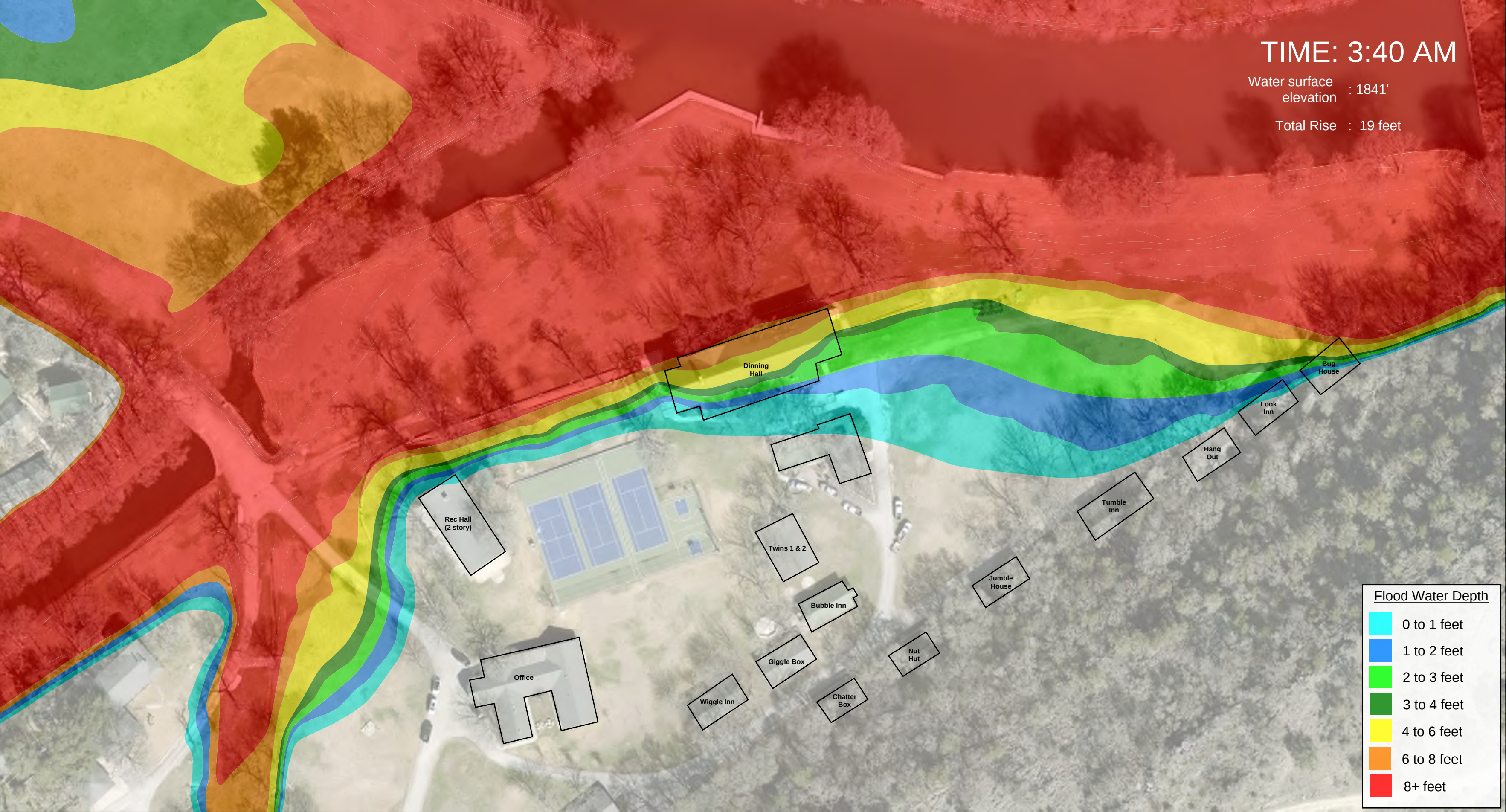
100-YEAR FLOOD ELEVATION
(1% ANNUAL PROBABILITY)
≈1840'



TIME: 3:40 AM

Water surface
elevation : 1841'

Total Rise : 19 feet



Flood Water Depth

- 0 to 1 feet
- 1 to 2 feet
- 2 to 3 feet
- 3 to 4 feet
- 4 to 6 feet
- 6 to 8 feet
- 8+ feet

TIME: 3:50 AM

Water surface
elevation : 1844'

Total Rise : 22 feet



Flood Water Depth

- 0 to 1 feet
- 1 to 2 feet
- 2 to 3 feet
- 3 to 4 feet
- 4 to 6 feet
- 6 to 8 feet
- 8+ feet

NATIONAL WEATHER STATION

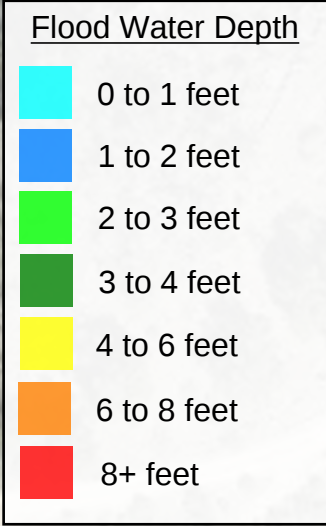
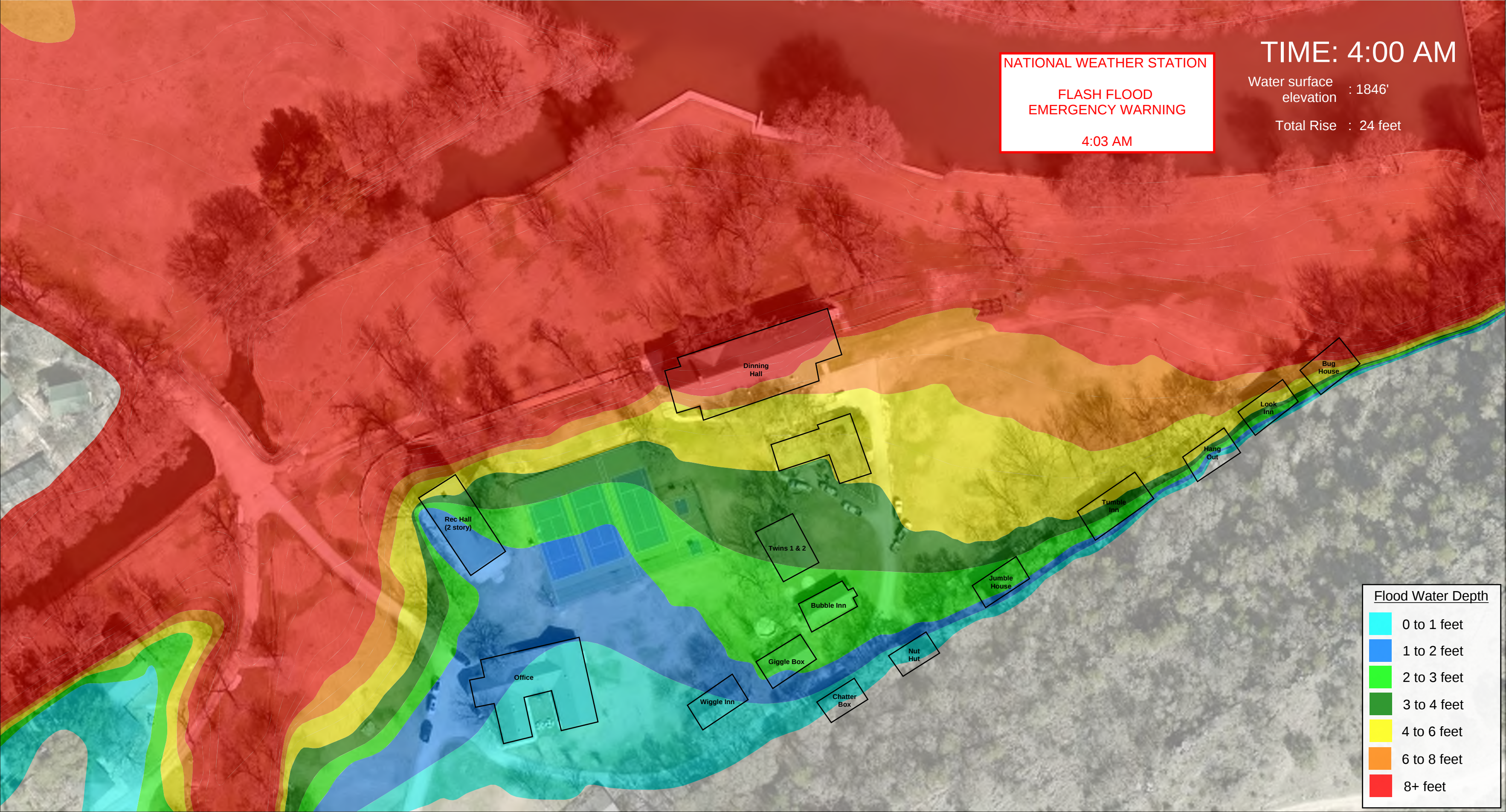
FLASH FLOOD
EMERGENCY WARNING

4:03 AM

TIME: 4:00 AM

Water surface
elevation : 1846'

Total Rise : 24 feet



TIME: 4:10 AM

500-YEAR FLOOD ELEVATION
(0.2% ANNUAL PROBABILITY)
≈1850'

Water surface elevation : 1849'
Total Rise : 27 feet



Flood Water Depth

- 0 to 1 feet
- 1 to 2 feet
- 2 to 3 feet
- 3 to 4 feet
- 4 to 6 feet
- 6 to 8 feet
- 8+ feet

TIME: 4:20 AM

Water surface
elevation : 1851'

Total Rise : 29 feet



Flood Water Depth

- 0 to 1 feet
- 1 to 2 feet
- 2 to 3 feet
- 3 to 4 feet
- 4 to 6 feet
- 6 to 8 feet
- 8+ feet