



# NAF El Centro Bomb Ranges





# NAF El Centro Bomb Range Information

## WELCOME

The U. S. Navy's policy is to inform the general public about the hazards associated with a bomb range and the safety measures it has implemented to prevent personal injury while safeguarding current and potential operational capabilities of these ranges. This website is intended for the educational, instructional and informational purposes only.



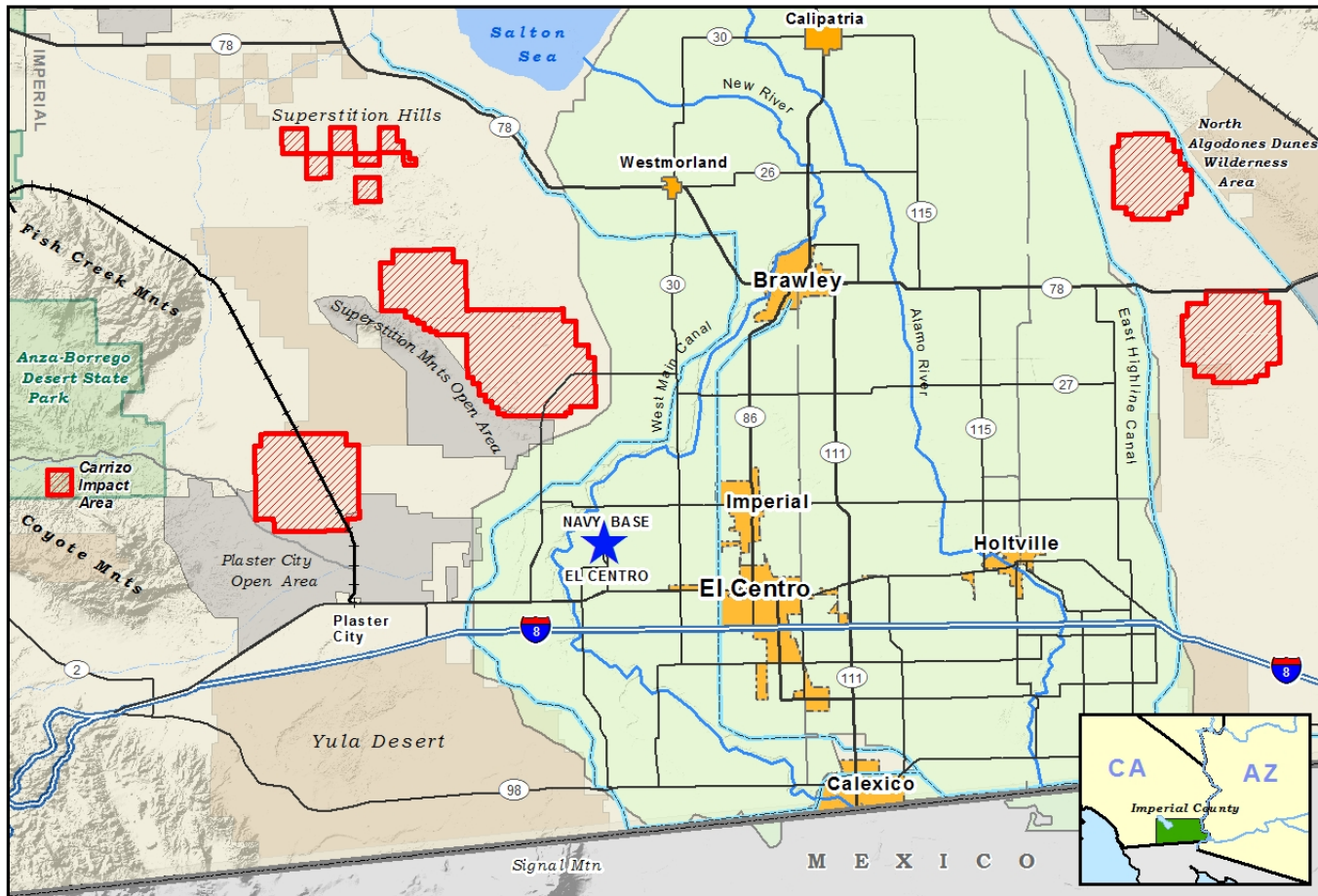
**TRAVEL ONTO BOMB RANGES IS INHERENTLY DANGEROUS**

**FOR YOUR SAFETY REMAIN OUTSIDE OF ALL POSTED BOMB RANGE WARNING SIGNS**





# NAF El Centro Bomb Range Information



**NAVY EL CENTRO**  
BOMB RANGES



0 5 10 Kilometers  
0 5 10 Miles  
Map Scale: 1:325,000

## Legend

- Bomb Range Locations
- BLM OHV Areas
- Area of Critical Environmental Concern



# NAF El Centro Bomb Range Information

## Unexploded Ordnance (UXO)

El Centro ranges are littered with practice *bombs*, *rockets*, *missiles*, and *bullets*.

Some of these munitions may have malfunctioned into what is known as unexploded ordnance (**UXO**).

The U.S. Navy is committed to characterizing and remediating these sites to a condition consistent with their intended use.



Ft McCoy UXO Briefing

**WARNING:** Disturbing a UXO (touched, picked up, kicked, thrown, etc) may **EXPLODE** without warning, making it potentially hazardous even life threatening!!!



# NAF El Centro Bomb Range Information

## UXO Characteristics:

- Different shapes and sizes
- Look New, Old, or Rusty
- Look like Bullets or Bombs
- Look like pointed metal pipes, soda cans, small balls, or even an old car muffler
- Clearly visible or partially or completely hidden
- Virtually impossible to recognize as a military munition

***THESE MAY NOT LOOK DANGEROUS  
BUT THEY ARE!!!***





# NAF El Centro Bomb Range Information

## What to do if something looks like a UXO?

**RECOGNIZE ! ! !** – Remember: Color, Size, Shape

**RETREAT ! ! !** – Exit the Way you Arrived

**REPORT ! ! !** – *Notify Range Operations (760) 339-2616*







# NAF El Centro Bomb Range Information

**NEW - OLD - CLEAN - DIRTY**



**ALL UXOs ARE DANGEROUS !!!**



# NAF El Centro Bomb Range Information

**NEW - OLD - CLEAN - DIRTY**



**ALL UXOs  
are  
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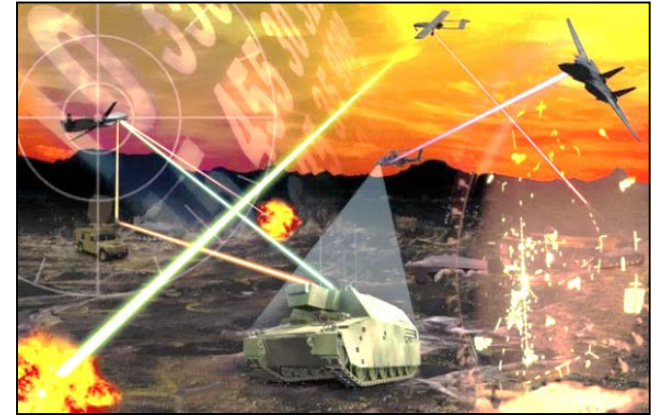




# NAF El Centro Bomb Range Information

## Laser Safety is **EVERYONE'S** Concern!

A laser is as safe or as hazardous as the user. The military's knowledge and skill are paramount in ensuring laser training is safely managed.



[http://3.bp.blogspot.com/-\\_coaJgOYZV0/VV7rjR4xogl/AAAAAAAA-Sw/jqEFB8slgSE/s640/lasers.jpg](http://3.bp.blogspot.com/-_coaJgOYZV0/VV7rjR4xogl/AAAAAAAA-Sw/jqEFB8slgSE/s640/lasers.jpg)

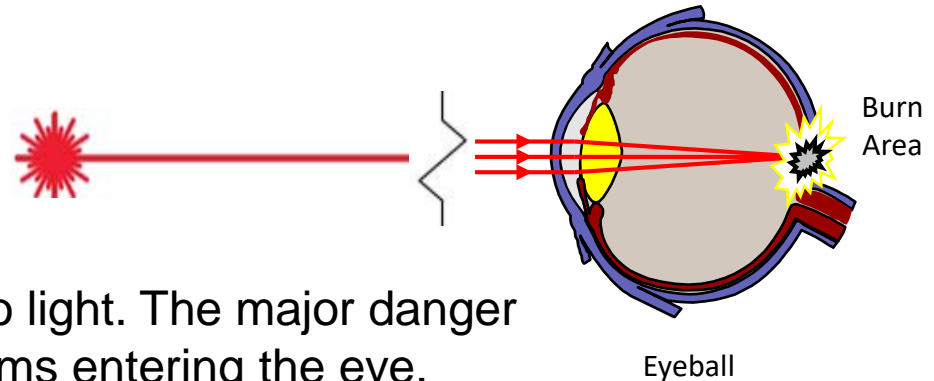
**WARNING:** Military training with lasers is certified safe *only* outside designated range boundaries.



# NAF El Centro Bomb Range Information

## Eye Injury Hazards

The eye is the most sensitive organ to light. The major danger of laser radiation is hazards from beams entering the eye.



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**Blinking (aversion response)** - is the eye's self-defense mechanism. However, it is not fast enough to prevent damage to the eye from military high powered lasers which can damage an eye in less than a  $\frac{1}{4}$  of a second.



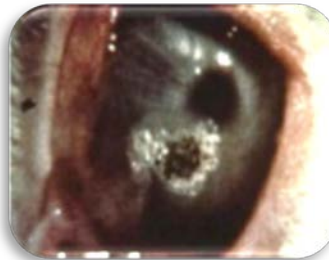
# NAF El Centro Bomb Range Information



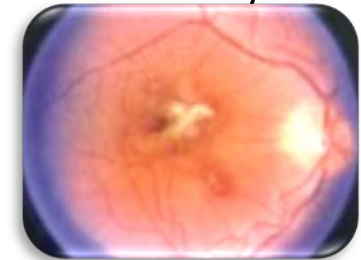
## Laser Eye Injury Hazards



Cornea Damage



Back of the Eye Burns



Source; NSWC Dahlgren

### Other Eye Injury Symptoms:

- Headache shortly after exposure
- Excessive watering of the eyes
- Sudden appearance of tiny spots or threads that drift in your field of vision.





# NAF El Centro Bomb Range Information



## Other Laser Hazards

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**WARNING:** High-powered military lasers will set clothes on fire, burn exposed skin, and potentially melt metal and plastic products.



Source: Lockheed Martin  
<http://www.lockheedmartin.com/us/news/press-releases/2015/march/ssc-space-athena-laser.html>



# NAF El Centro Bomb Range Information

## Comply with all WARNING SIGNS

The Navy is  
committed to  
safety on all its  
ranges





# NAF El Centro Bomb Range Information

## Navy Range Operations Numbers:

- (760) 339-2616
- (760) 339-2672
- (760) 339-2238

