



# CSI of Girl Encased in Concrete

Presented to: American Concrete Institute  
Las Vegas, Nevada  
Fall 2018 Convention

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OCTOBER 14, 2018

The Concrete Convention  
and Exposition

# Las Vegas Homicide Investigation

## March 2004





Lieutenant  
Tom Monahan









Higher water content in this area.

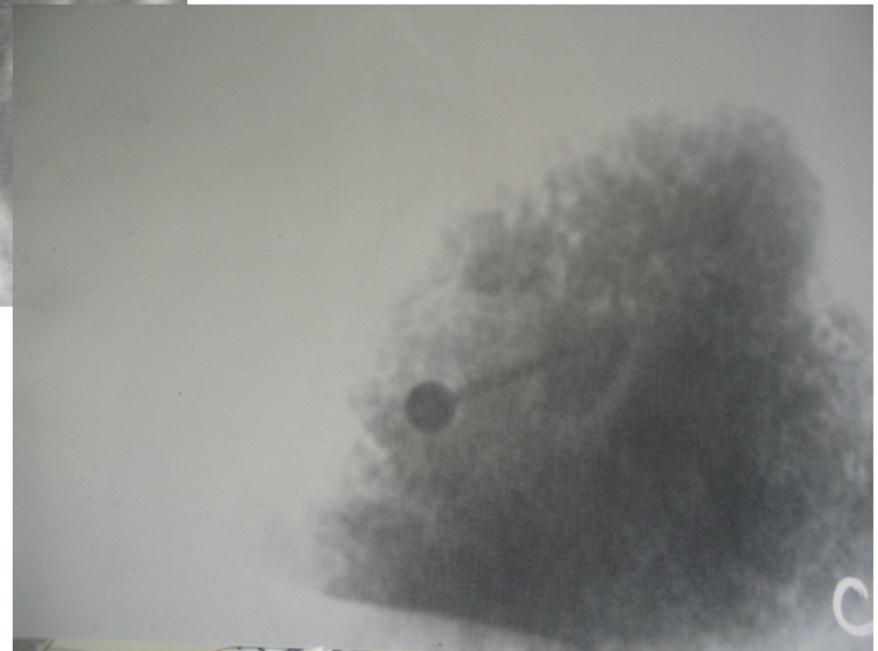
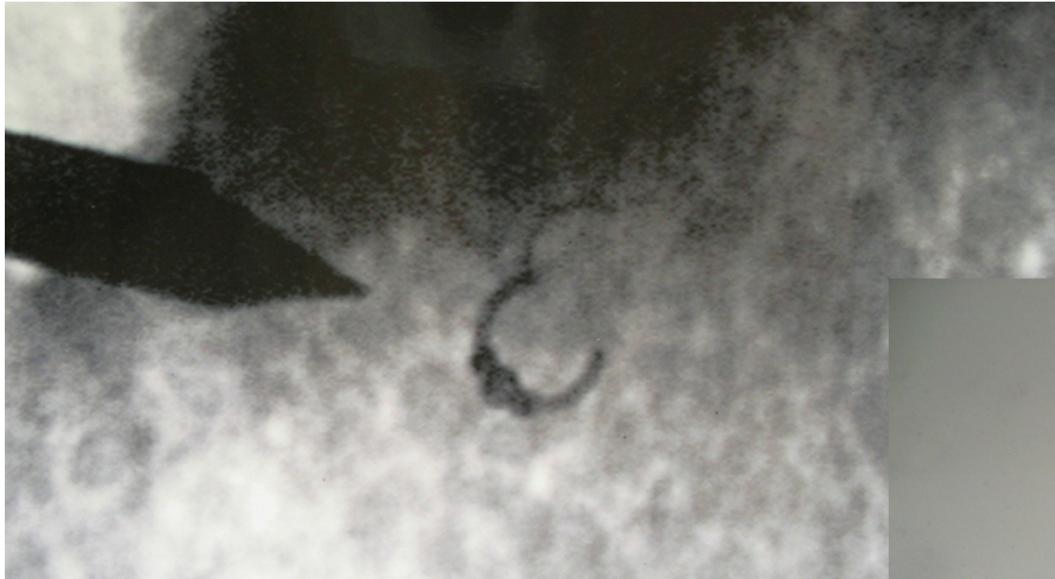
Lower water content in this area.



# Detail of Skin in Achilles/Heel



# Concrete X-Rays





Mold of face





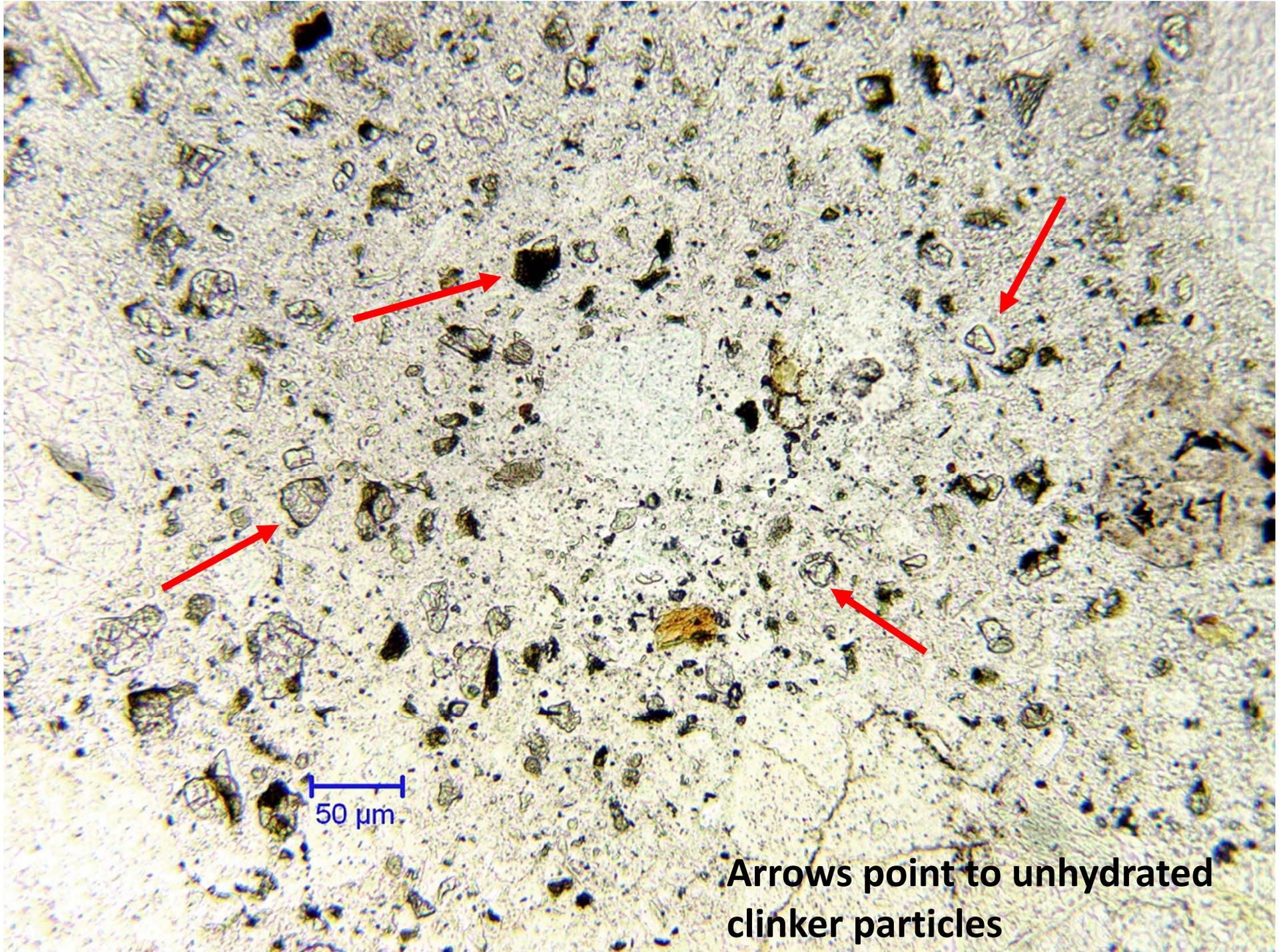
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# Carbonation



# Thin Sections





**Arrows point to unhydrated clinker particles**

# Conclusions

- ❑ Concrete was placed in three lifts
- ❑ Excellent preservation of the body (skin, wounds, etc.)
- ❑ Based on carbonation and relative hydration of the cement grains, the concrete was estimated at between 1 to 3 years of age (time of death).



# September 8, 2014

- ❑ Sketch made from a mold of face
- ❑ Aired on "America's Most Wanted"
- ❑ Caller identified Jane Doe
- ❑ Dental records matched
- ❑ 17 year-old female with a history of running away
- ❑ Reported missing in May of 2002



# Jamie Sheldon

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