by: Rob Farnsworth

**Geospatial Science** 

Missouri State University

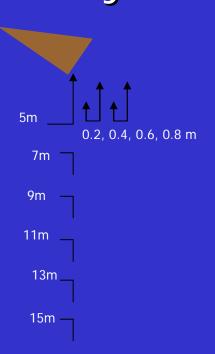
#### Has this been done before?

- History of Anaglyphs-1853- W. Rollman publicly illustrates the anaglyph principle
- 1893- W. Freise-Green creates the first 3D anaglyphic motion picture (34 years before television was created, 1927 Philo T. Farnsworth)
- 1990s- Magic Eye craze

#### Goal & Objectives

- How to create Amateur Anaglyphs using Adobe Photoshop 7.0
- Kodak z740 Anaglyph Separation Distance

Study Area





# Amateur Anaglyphs Methodology

Collect Digital Photographs
5m buffer, 1m distance, 0.2m increment

L

Insert both images into new window (as separate layers)



Import Digital Photographs into Adobe Photoshop 7.0



Adjust blending mode to "Screen" settings



Adjust "Master Saturation" in all images



Remove "Red channel" from the right image



Remove "Green channel" and "Blue channel" from the left image



Move left image to match the placement of linear features



Crop the new image, excluding the area with 2 images overlapping



Save the new anaglyph

## Amateur Anaglyphs Collected Data



#### **Collected Data**



Distance away	(meters)	<u>Se</u>
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**Separation (meters)** 

5 to 9

0.2

■ 10 to 14

0.4

■ 15 plus

0.6

#### General Rule of Thumb

- Object less than 9m (29.52ft), then shift body weight to the other foot
- If object is 10- 15m (up to 49.21ft) away, then side-step







## Amateur Anaglyphs \*\*Untitled-1 @ 33.3% (Layer 2, RGB)



Anaglyph Data



Anaglyph Data



15\_meters\_away\_0.0... 15\_meters\_away\_0.0... 15\_meters\_away\_0.0... 15\_meters\_away\_0.0... 15\_meters\_away\_0.0...

Parallel focal points?



Parallel focal pointsSolution



Are there any Questions?