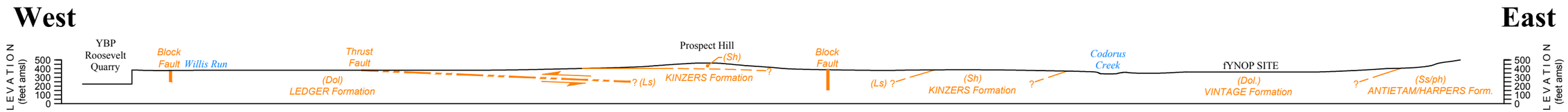
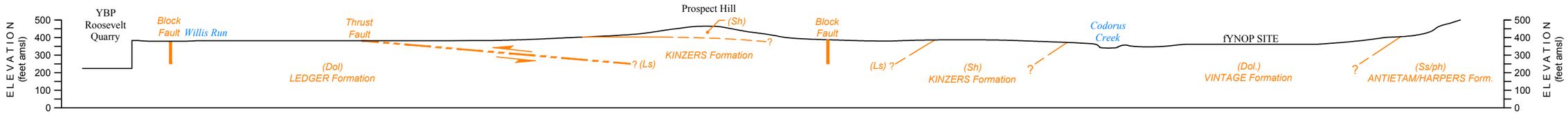
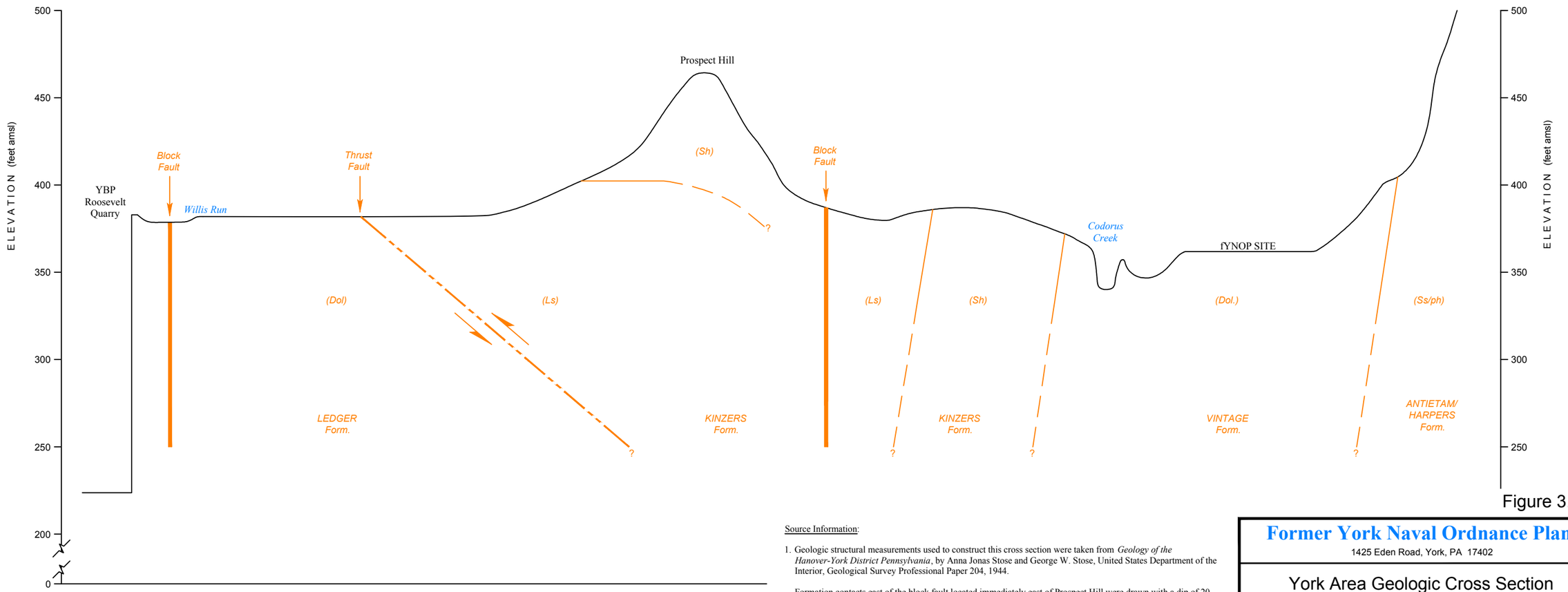




Vertical Exaggeration = 2x



Vertical Exaggeration = 20x

Figure 3.5-5

Source Information:

1. Geologic structural measurements used to construct this cross section were taken from *Geology of the Hanover-York District Pennsylvania*, by Anna Jonas Stose and George W. Stose, United States Department of the Interior, Geological Survey Professional Paper 204, 1944.

   Formation contacts east of the block fault located immediately east of Prospect Hill were drawn with a dip of 20 degrees west and obtained from Figure 4 of the referenced report. The contact between the limestone member and the shale member of the Kinzers Formation located between the thrust fault and Prospect Hill was drawn from dip measurements of 10 degrees south (projecting out of the cross section) and resulted in an apparent horizontal orientation. The dip measurements west of Prospect Hill were obtained from Figure 9 of the referenced report. Fault types were determined from Plate 1, entitled Geologic Map and Sections, of the referenced report.

2. Geologic contacts were taken from digital geologic mapping provided by the Pennsylvania Topographic and Geologic Survey, Harrisburg, PA. The Kinzers Formation was divided into members (shale and limestone) using the referenced Stose report.

Former York Naval Ordnance Plant

1425 Eden Road, York, PA 17402

York Area Geologic Cross Section
fYNOP Site to Roosevelt Quarry
(Various Vertical Exaggerations)

DRAWN BY: MM/JB	CHECKED & APPROVED BY: SMS	DATE: 8/16/2011

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