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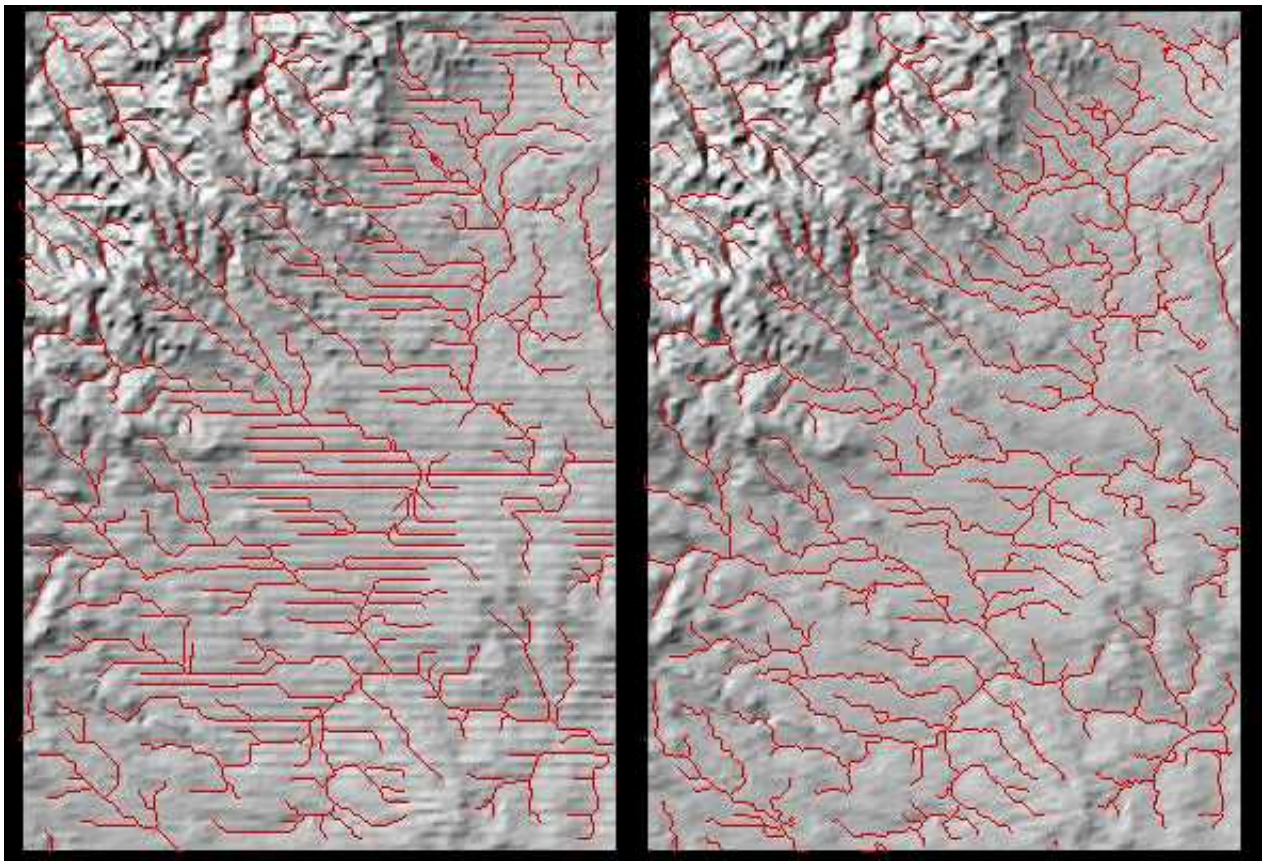
NED Product Specifications

The Enhanced Digital Elevation Models is a new raster product assembled by the U.S. Geological Survey (USGS). It was designed to provide national elevation data in a seamless form with a consistent datum, elevation unit, and projection. Data corrections were made in the assembly process to minimize artifacts, permit edge matching, and fill sliver areas of missing data.

Elevation data are an essential part of many earth science applications. They are used for such diverse purposes as providing shaded-relief backgrounds, establishing stratification in land cover classification, doing geometric and radiometric correction of remotely sensed data, indicating landform characteristics such as slope and aspect, and analyzing synthetic drainage networks and watershed delineations through



A shaded-relief representation of the Rockypoint, Wyoming 7.5-minute DEM is shown above on the left. The same area is shown on the right after artifact filtering has been performed. The super-imposed red lines are

- **60 Gigabyte dataset delivered via hard drive**
- **Entire USA data bundle Includes HI, AK, and Puerto Rico**
- **Delivered in ESRI ArcGrid, .bil, or .dem formats. Call DDS for other special format requests**
- **Each ArcGrid raster (DEM) is a 1x1 degree**
- **Each *AREA* size is approximately 6x2 degrees. Alaska *AREAS* are ordered in 6x7 degree blocks.**
- **Resolution is one arc-second (approximately 30 meters) for the conterminous United States, Hawaii, and Puerto Rico and a resolution of two arc-seconds for Alaska.**

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