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A digital dataset of the linear features of the
surficial geologic map of the Bare Mountain Nevada, quadrangle

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1. Denver, Colorado.

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This dataset consists of linear features (geologic contacts and faults) from the surficial geologic map (1:48000 scale) of the Bare Mountain quadrangle Nye county, Nevada (figure 1) (Swadley and Parrish, 1988). The KORK digital mapping system (KDMS) (KORK, 1988), running on a MicroVAX under the VMS operating system, was used to digitize each linear feature. Continuous points were collected to digitize these features. Points were collected using filters that stored a point for a movement of the digitizing puck that was moved 12 ground feet (0.012 map inches) or greater than a five degree deviance from a straight line connecting any previous two digitized points.

Linear features have not been edited to create polygons. Points were collected with values from the Nevada state plane coordinate system. Control points are included in the file and their values are shown in figure 1. Separate digitizing codes for dotted, dashed and solid faults, bedrock-alluvium contacts, and geologic contacts are maintained as layers in the translation.

KDMS produces four files with extensions .MAP, .CHR, .STR, and .CEN. These files have been converted to an ASCII file with the extension .DXF and finally archived with LHA (Yoshizaki, 1991) data compression software on PC-compatible 3.5 inch, 1.44 Mb floppy diskettes.

To use the compressed file (swadpar.exe), copy the file from the floppy disk onto a hard disk with 7.8 Mb of free disk space and type the name of the file. The file will decompress and may be imported to the platform of choice.
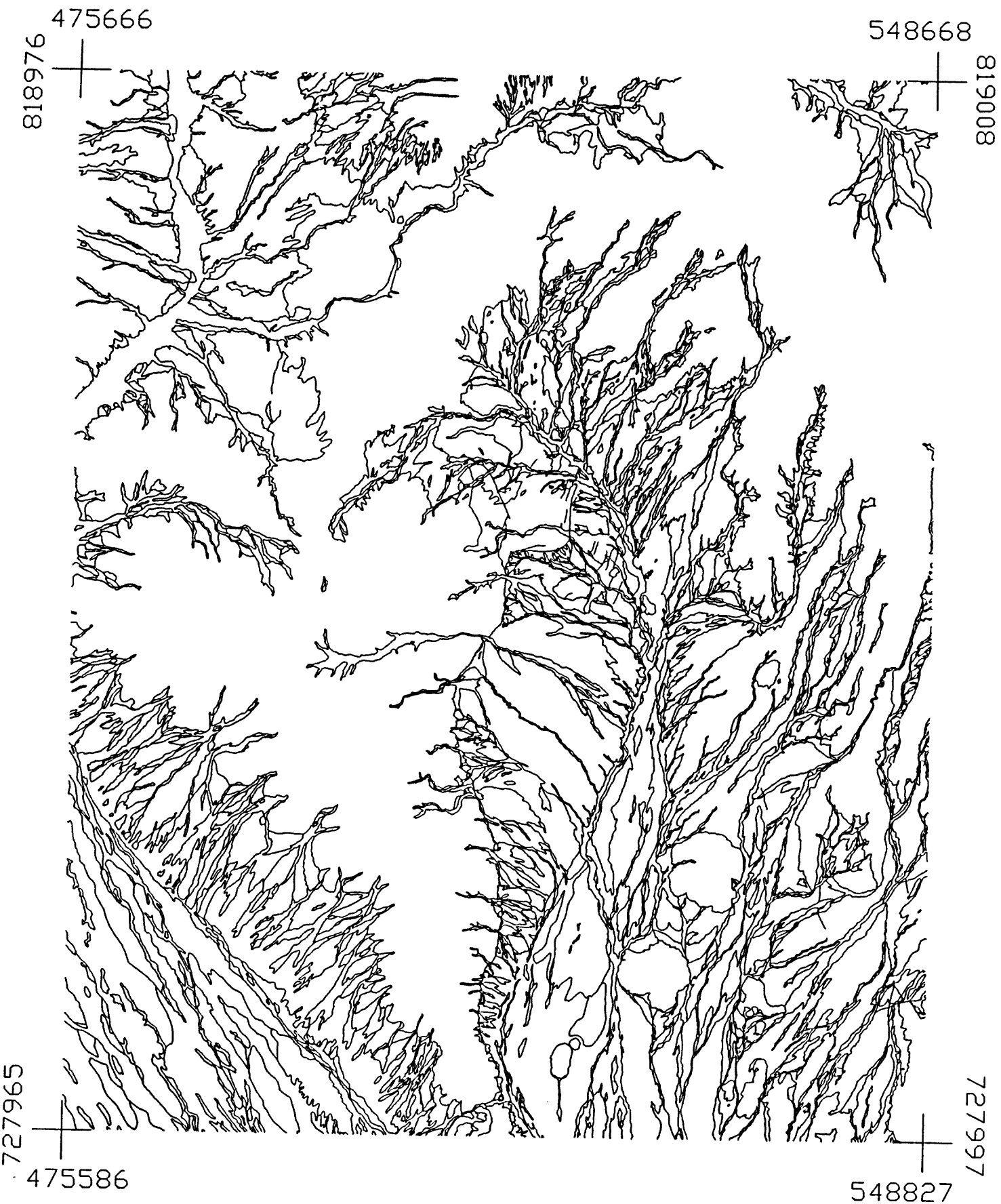
Figure 1.--Printout of data file for surficial geologic map of Bare Mountain.

REFERENCES CITED

KORK Systems, Inc., 1988, KORK Geographic Information System User's Manual: KORK Systems, Inc., Bangor, Maine.

Swadley, W C and Parrish, L. D., 198-, Surficial Geologic Map of the Bare Mountain Quadrangle Nye County, Nevada: U.S. Geological Survey Map I-1826, scale 1:48,000.

Yoshizaki, Haruyasu, 1991, LHA public domain software, version 2.13.