

GEOLOGICAL AND CLIMATIC SURVEY, CAMP BOWIE
MILITARY RESERVATION BROWNWOOD, TEXAS

SUPPLEMENT: DIGITAL LINE GRAPH DATA
WITH EXPLANATORY NOTES

by

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and

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CONTENTS

EXECUTIVE SUMMARY	1
INTRODUCTION	2
Data and Sources	2
Digitizing Equipment, Quality Control, and Editing	2
Data Transfer	4
DATA FILES	7
FINAL PREPARATION OF DATA FOR GIS USE	7
REFERENCES	8
APPENDIX	9

FIGURE

1. Location of Camp Bowie on U.S. Geological Survey 7.5-minute topographic map quadrangles	3
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TABLES

1. Contents of DOS-formatted 3.5-inch diskette	5
2. Contents of archive BOWIEDXF.EXE	6

PLATES (in separate map tube)

1. Roads, waterways, and miscellaneous
2. Hydrology
3. Topography
4. Geology
5. Generalized soil map

EXECUTIVE SUMMARY

This report describes basic digital line graph (DLG) data sets prepared for Camp Bowie Military Reservation, and is a supplement to the June 1993 Bureau of Economic Geology Contract Report to the Texas Adjutant General (Nance and Wermund, 1993). The data include more than 64,000 digitized points arranged in 21 computer files, and represent cultural features (roads, boundaries, utility lines, etc.), hydrology (streams, water bodies, drainage divides, well and windmill locations), topography (including spot elevations), geology (including well and test hole locations), and soils. The data files are supplied in compressed form in a self-extracting archive on a DOS-formatted, 3.5-inch diskette. The data are in DXF format.

INTRODUCTION

Data and Sources

Most of the data presented here were digitized from printed paper originals of the U.S. Geological Survey 1:24,000-scale, 7.5-minute topographic maps of the Brownwood and Indian Creek quadrangles (U.S. Geological Survey, 1979b, 1980) (fig. 1); a few stream segments and drainage divides were digitized from the adjoining Blanket Springs and Zephyr quadrangles to the east (U.S. Geological Survey, 1979b, 1979c) (fig. 1). Drainage divides were determined by examination of topographic contours. Geologic contacts were transferred from aerial photographs that were used in compilation of the Brownwood sheet of the Geologic Atlas of Texas (Kier and others, 1976). Generalized soil boundaries were digitized from enlargements of figure 14 in Nance and Wermund (1993).

Digitizing Equipment, Quality Control, and Editing

Maps were digitized using a Summagraphics ID-2 digitizer table and electronics, under the control of the program DIGIT, version 3.10, modified by the Bureau of Economic Geology from an earlier (1986-87) version originally supplied by the Radian Corporation. Each map was digitized during several separate sessions, and in some cases the map was removed from the table between sessions. Reference points (usually the map corners) were selected on each map and used to align data sets from different sessions and to join data sets at the edges of adjacent maps. The data were plotted using the software package CPS-1 (Radian, 1979a, 1979b).

The 7.5-minute topographic maps in this area are in a Lambert conformal conic projection, in the central zone of the Texas coordinate system. The data are supplied in relative Cartesian coordinates, in units of 1000 per map inch, with a resolution of 5 units or 0.005 inch (0.005 inch equals approximately 10 ft at the nominal map scale of 1:24,000). The (x,y) coordinates for each data set were translated so that the point representing longitude 98°52'30"W, 31°37'30"N would have the value (0,0) (see fig. 1). To compensate for slight

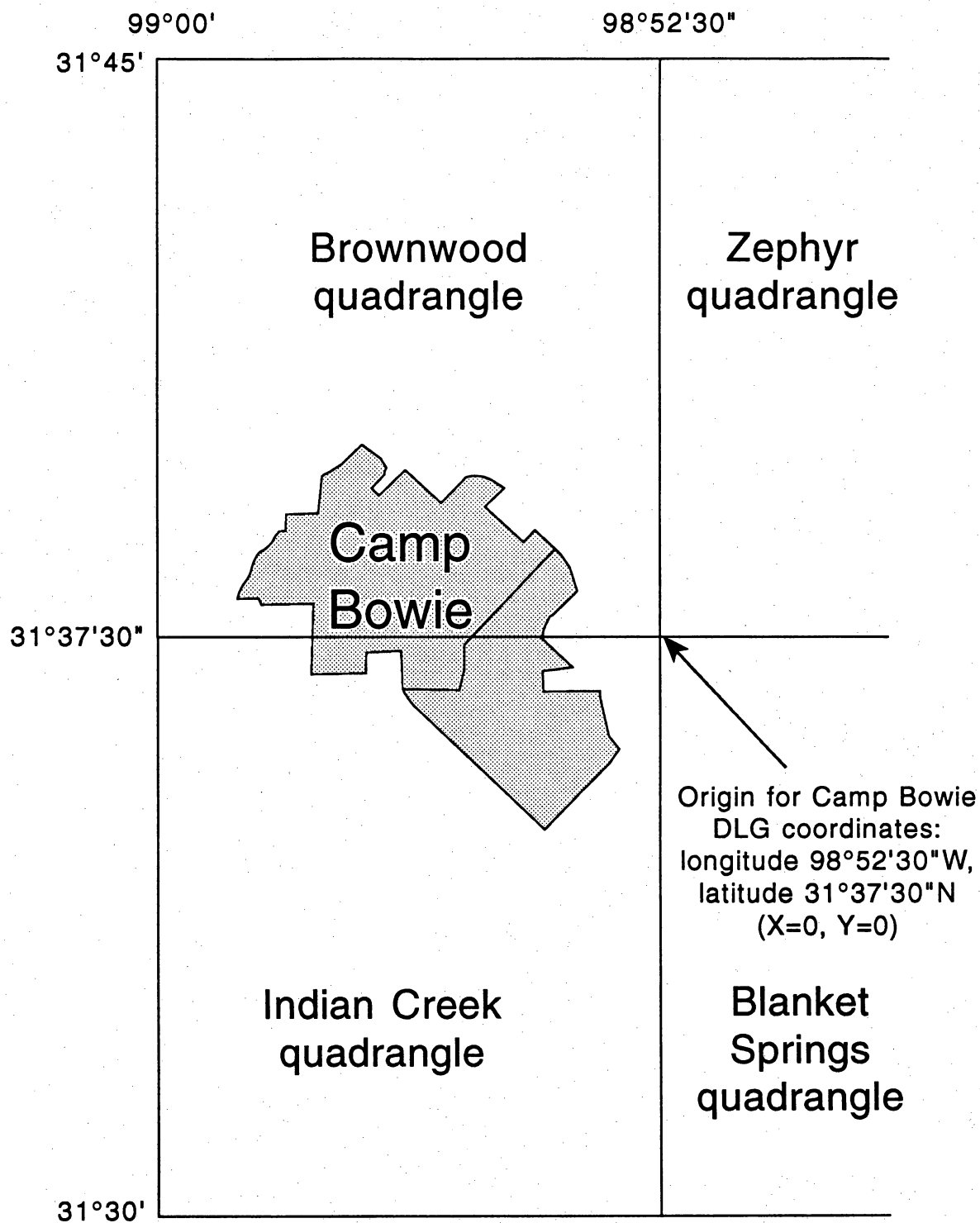


Figure 1. Location of Camp Bowie on U.S. Geological Survey 7.5-minute topographic map quadrangles. The (x,y) coordinates in the data files are relative to an origin placed at longitude 98°52'30"W (x=0) and latitude 31°37'30"N (y=0).

scale differences between adjacent map sheets, the data sets were also rotated and rescaled about the origin by very small amounts to bring into coincidence the selected reference points that were duplicated at the edges of adjacent maps. The relative positions of the data points have not been changed - they retain the original distribution of the Lambert conformal conic projection. It should be possible to exactly reproduce the original map upon replotting the data, however, there is typically some mismatch owing to several types of error: (1) distortion of the paper map originals due to changes in environment (the scale of one map may be slightly different than the scale of an adjacent map), (2) slight imperfections in the digitizing and plotting equipment, (3) slight shifting of the map original on the table during digitizing, and (4) incorrect placement of digitizer crosshair. These factors combine to produce small, but noticeable mismatch between the replotted map and the original. Small adjustments were made to individual data-point values using a text editor, and to larger blocks of data or whole files using simple FORTRAN programs. These processing steps improved the fit of the data to the original maps.

Data Transfer

The data are supplied in compressed form in the self-extracting archive named BOWIEDXF.EXE on the DOS-formatted, 3.5-inch diskette (see table 1) included at the back of this report. This file should be copied to a hard-drive on a IBM-compatible computer. The individual files (table 2) are extracted by entering the command 'BOWIEDXF'; the uncompressed files will require 4.11 megabytes of disk space. The data files are ASCII text files in DXF format. The free software program LHARC, used to compress the files, is also included on the diskette.

Table 1. Contents of DOS-formatted 3.5-inch diskette.

File Name	Size (bytes)	Creation		Description
		Date	Time	
BOWIEDXF.EXE	584961	12-23-93	9:45a	Self-extracting archive of Camp Bowie digital line graph files
BOWIEDXF.LIS	1933	12-23-93	9:41a	Listing of files in BOWIEDXF.EXE
LHARC.EXE	31256	05-31-89	11:38a	File compression (archiving) program
LHARC.MAN	40910	05-31-89	11:38a	Documentation for LHARC

Table 2. Contents of archive BOWIEDXF.EXE.

File Name	Size (bytes, uncompressed)	Data Type	Number of Records	Number of Line Segments	Description
CBBASINS.DXF	232100	Line	3675	28	Surface drainage divides
CBBOUND.DXF	20392	Line	316	9	Camp Bowie boundary
CBCONTRS.DXF	1177160	Line	18676	60	50-ft topographic contours
CBELEVRI.DXF	609	Point	5	-	Reservoir riser elevations
CBELEVSP.DXF	3771	Point	56	-	Spot elevations on maps
CBFENCE.DXF boundary)	7348	Line	104	11	Fence lines (excl.
CBGEOLOGY.DXF	839872	Line	13366	44	Geologic contacts
CBHIWAYS.DXF	14368	Line	214	8	Area highways
CBIMPRDS.DXF	43986	Line	683	14	Improved roads
CBPIPELN.DXF	3809	Line	55	1	Pipeline
CSPITS.DXF	835	Point	9	-	Gravel (caliche) pits
CBPOWRLN.DXF	10445	Line	157	5	Powerlines
CBSOILS.DXF	541369	Line	8675	105	Generalized soil boundaries
CBSTRCLG.DXF	3908	Line	47	9	"Large" structures
CBSTRCSM.DXF	1347	Point	17	-	"Small" structures
CBSTRCWM.DXF	3908	Point	12	-	Windmills
CBSTREAM.DXF	739637	Line	11689	148	Streams shown on maps
CBTICS.DXF	2602	Point	28	-	2 ¹ / ₂ -minute lat/long tics
CSUMPRDS.DXF	218681	Line	3389	84	Unimproved roads
CSWATBOD.DXF	246128	Line	3749	156	Water bodies
CBWELLS.DXF	596	Point	5	-	Wells
21 files	4109364		64927	682	

DATA FILES

The digital data represent (1) line segments, and (2) solitary points grouped in 21 separate files (table 2). Descriptive labels, keyed by point or line-segment identification number, are provided in the appendix to this report. Plots of the data files in various combinations are included with this document (plates 1-5).

FINAL PREPARATION OF DATA FOR GIS USE

The data as supplied are in the Lambert conformal conic projection of the digitized maps. The (x,y) coordinate values are relative to an origin ($x=0$, $y=0$) at longitude $98^{\circ}52'30''\text{W}$, latitude $31^{\circ}37'30''\text{N}$ fig. 1). The relative Cartesian coordinates for the 2.5-minute geographic tic reference marks are supplied in the file CBTICS.DXF (labels identifying the tics are in the appendix).

Final data preparation for GIS use should include additional editing to correct imperfections such as localized misalignments between streams and contours and drainage basin boundaries, random gaps, and irregularities that do not match lines on the original map. Also, junction points, or nodes where line segments are intended to meet, should be defined - at present, many of the lines that should meet do not share a common point. Similarly, polygons must be constructed from the line segments to enable area calculations, and other operations.

Most applications of digital geographic data require the ability to manipulate the data in various groups defined on the basis of one or more attributes. Simple attribute information in the form of descriptive labels is provided in the appendix. More detailed attributes may be assigned that will enable more precise retrieval than the existing record labels. Data which are not included here but might be considered for future digitizing include (1) outlines of individual soil mapping units, (2) outlines of vegetated areas, (3) historical sites, and (4) sites of special ecological importance.

REFERENCES

- Kier, R. S., Brown, L. F., Jr., and Harwood, P., 1976, Geologic Atlas of Texas - Brownwood sheet: The University of Texas at Austin, Bureau of Economic Geology, scale 1:250,000.
- Nance, H. S., and Wermund, E. G., 1993, Geological and climatic survey, Camp Bowie Military Reservation, Brownwood, Texas: The University of Texas at Austin, Bureau of Economic Geology Contract Report prepared for the Texas Adjutant General, under Interagency Contract Number IAC(92-93)1532, 52 p., 20 figs., 1 table, 4 plates.
- Radian Corporation, 1979a, CPS-1 user's manual - training documentation (volume 1): Austin, Texas, Radian Corporation, 187+ p.
- Radian Corporation, 1979b, CPS-1 user's manual - verb documentation (volume 2): Austin, Texas, Radian Corporation, variously paginated.
- U.S. Geological Survey, 1979a, Blanket Springs quadrangle, Texas - 7.5 minute series (topographic): U.S. Geological survey, scale 1:24,000.
- U.S. Geological Survey, 1979b, Indian Creek quadrangle, Texas - 7.5 minute series (topographic): U.S. Geological survey, scale 1:24,000.
- U.S. Geological Survey, 1979c, Zephyr quadrangle, Texas - 7.5 minute series (topographic): U.S. Geological survey, scale 1:24,000.
- U.S. Geological Survey, 1980 (photorevised 1987), Brownwood quadrangle, Texas - 7.5 minute series (topographic): U.S. Geological survey, scale 1:24,000.

APPENDIX

Labels for data file CBBASINS.DXF
(lines representing drainage divides
[/] between listed basins)

001: INDIAN / WILLIS CREEK SUB-BASINS *BQBASINS
002: WILLIS / LEWIS CREEK SUB-BASINS
003: WILLIS / NO NAME CREEK SUB-BASINS
004: LEWIS / NO NAME CREEK SUB-BASINS
005: LEWIS / PECAN SUB-BASINS
006: NORTH DEVILS / PECAN SUB-BASINS
007: LEWIS / NORTH DEVILS SUB-BASINS
008: LEWIS / MAIN DEVILS SUB-BASINS
009: NORTH / MAIN DEVILS SUB-BASINS
010: MAIN BRANCH DEVILS RIVER / PECAN BAYOU *BSQBASIN
011: MAIN BRANCH DEVILS RIVER / NORTH BRANCH MACKINALLY CREEK
012: NORTH BRANCH MACKINALLY CREEK / PECAN BAYOU
013: NORTH BRANCH / MAIN BRANCH MACKINALLY CREEK
014: MAIN BRANCH MACKINALLY CREEK / MARS BRANCH
015: MAIN MACKINALLY CREEK BRANCH - MARS BRANCH / PECAN BAYOU
016: MARS BRANCH MACKINALLY CREEK / INDIAN CREEK *IQBASINSEDT
017: MAIN BRANCH MACKINALLY CREEK / INDIAN CREEK
018: MAIN BRANCH DEVILS RIVER / INDIAN CREEK
019: LEWIS CREEK / INDIAN CREEK
020: WILLIS / INDIAN CREEK
021: WILLIS / LEWIS CREEK
022: MAIN BRANCH DEVILS RIVER / LEWIS CREEK
023: MAIN BRANCH DEVILS RIVER / MAIN BRANCH MACKINALLY CREEK
024: MAIN BRANCH DEVILS RIVER / NORTH BRANCH MACKINALLY CREEK
025: NORTH BRANCH / MAIN BRANCH MACKINALLY CREEK
026: MAIN BRANCH MACKINALLY CREEK / MARS BRANCH MACKINALLY CREEK
027: NORTH BRANCH DEVILS RIVER / PECAN BAYOU *ZQBASINS
028: NORTH BRANCH / MAIN BRANCH DEVILS RIVER

Labels for data file CBBOUND.DXF

001: BOUNDARY OF SECTION WEST OF STATE HWY 45 *BROWNWOOD QUAD
002: WESTERN BOUNDARY, ALONG STATE HWY 45
003: NORTHWESTERN BOUNDARY ALONG STATE HWY 2126
004: EASTERN BOUNDARY, BROWNWOOD QUAD
005: EASTERN BOUNDARY PROPOSED ACQUISITION, BROWNWOOD QUAD
006: SOUTHWESTERN BOUNDARY PROPOSED ACQUISITION *INDIAN CREEK QUAD
007: SOUTHERN BOUNDARY OF EXISTING BASE *INDIAN CREEK QUAD
008: SMALL TRIANGULAR AREA WEST OF STATE HWY 45, INDIAN CREEK QUAD
009: EASTERN BOUNDARY OF PROPOSED ACQUISITION, INDIAN CREEK QUAD

Labels for data file CBCONTRS.DXF

001: 1550-FT CONTOUR *BWQCONT2
002: 1550-FT CONTOUR
003: 1550-FT CONTOUR
004: 1550-FT CONTOUR
005: 1550-FT CONTOUR
006: 1550-FT CONTOUR
007: 1500-FT CONTOUR
008: 1500-FT CLOSED CONTOUR
009: 1400-FT CLOSED CONTOUR
010: 1450-FT CLOSED CONTOUR
011: 1500-FT CLOSED CONTOUR
012: 1500-FT CLOSED CONTOUR
013: 1500-FT CLOSED CONTOUR
014: 1550-FT CLOSED CONTOUR
015: 1450-FT CLOSED CONTOUR
016: 1550-FT CLOSED CONTOUR
017: 1450-FT CLOSED CONTOUR
018: 1550-FT CLOSED CONTOUR

019: 1350-FT CLOSED CONTOUR
 020: 1300-FT CLOSED CONTOUR
 021: 1300-FT CLOSED CONTOUR
 022: 1300-FT CLOSED CONTOUR
 023: 1450-FT CLOSED CONTOUR
 024: 1450-FT CLOSED CONTOUR
 025: 1450-FT CLOSED CONTOUR
 026: 1350-FT CLOSED CONTOUR
 027: 1400-FT CLOSED CONTOUR
 028: 1300-FT CONTOUR *BWQCONTO
 029: 1350-FT CONTOUR
 030: 1400-FT CONTOUR
 031: 1450-FT CONTOUR
 032: 1450-FT CONTOUR
 033: 1450-FT CONTOUR
 034: 1400-FT CONTOUR
 035: 1400-FT CONTOUR
 036: 1450-FT CONTOUR
 037: 1500-FT CONTOUR
 038: 1550-FT CONTOUR *ICQCONTO
 039: 1550-FT CONTOUR
 040: 1550-FT CONTOUR
 041: 1550-FT CONTOUR
 042: 1550-FT CONTOUR
 043: 1550-FT CONTOUR
 044: 1500-FT CONTOUR
 045: 1450-FT CONTOUR
 046: 1400-FT CONTOUR
 047: 1400-FT CONTOUR
 048: 1400-FT CONTOUR
 049: 1450-FT CONTOUR
 050: 1450-FT CONTOUR
 051: 1350-FT CONTOUR
 052: 1400-FT CLOSED CONTOUR
 053: 1450-FT CLOSED CONTOUR
 054: 1450-FT CLOSED CONTOUR
 055: 1450-FT CLOSED CONTOUR
 056: 1400-FT CLOSED CONTOUR
 057: 1450-FT CLOSED CONTOUR
 058: 1400-FT CLOSED CONTOUR
 059: 1450-FT CLOSED CONTOUR
 060: 1350-FT CONTOUR

Labels for data file CBELEVRI.DXF

001: 1453 FT, SPOT ELEVATION, RISER AT RESERVOIR *INDIAN CREEK QUAD
 002: 1465 FT, SPOT ELEVATION, RISER AT RESERVOIR *INDIAN CREEK QUAD
 003: 1453 FT, SPOT ELEVATION, RISER AT RESERVOIR *INDIAN CREEK QUAD
 004: 1427 FT, SPOT ELEVATION, RISER AT RESERVOIR *BROWNWOOD QUAD
 005: 1454 FT, SPOT ELEVATION, RISER AT RESERVOIR *BROWNWOOD QUAD

Labels for data file CBELEVSP.DXF

001: 1523 FT, SPOT ELEVATION, WINDMILL 3 (ALSO IN CBSTRCWM) *INDIAN CREEK QUAD
 002: 1480 FT, SPOT ELEVATION, WINDMILL 8 (ALSO IN CBSTRCWM) *INDIAN CREEK QUAD
 003: 1447 FT, SPOT ELEVATION, WINDMILL 12 (ALSO IN CBSTRCWM) *INDIAN CREEK QUAD
 004: 1443 FT, SPOT ELEVATION, SPILLWAY OF RESERVOIR *BROWNWOOD QUAD
 005: 1439 FT, SPOT ELEVATION, SPILLWAY OF RESERVOIR *INDIAN CREEK QUAD
 006: 1403 FT, SPOT ELEVATION, SPILLWAY OF RESERVOIR *INDIAN CREEK QUAD
 007: 1539 FT, SPOT ELEVATION, BENCH MARK *INDIAN CREEK QUAD
 008: 1426 FT, SPOT ELEVATION, BENCH MARK *INDIAN CREEK QUAD
 009: 1588 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 010: 1553 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 011: 1503 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 012: 1565 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 013: 1515 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 014: 1442 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 015: 1367 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 016: 1401 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 017: 1474 FT, SPOT ELEVATION *INDIAN CREEK QUAD

018: 1562 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 019: 1526 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 020: 1398 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 021: 1534 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 022: 1460 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 023: 1372 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 024: 1326 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 025: 1439 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 026: 1423 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 027: 1431 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 028: 1432 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 029: 1481 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 030: 1514 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 031: 1487 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 032: 1442 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 033: 1526 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 034: 1452 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 035: 1433 FT, SPOT ELEVATION *INDIAN CREEK QUAD
 036: 1555 FT, SPOT ELEVATION *BROWNWOOD QUAD
 037: 1558 FT, SPOT ELEVATION *BROWNWOOD QUAD
 038: 1593 FT, SPOT ELEVATION *BROWNWOOD QUAD
 039: 1562 FT, SPOT ELEVATION *BROWNWOOD QUAD
 040: 1311 FT, SPOT ELEVATION *BROWNWOOD QUAD
 041: 1451 FT, SPOT ELEVATION *BROWNWOOD QUAD
 042: 1515 FT, SPOT ELEVATION *BROWNWOOD QUAD
 043: 1477 FT, SPOT ELEVATION *BROWNWOOD QUAD
 044: 1557 FT, SPOT ELEVATION *BROWNWOOD QUAD
 045: 1381 FT, SPOT ELEVATION *BROWNWOOD QUAD
 046: 1296 FT, SPOT ELEVATION *BROWNWOOD QUAD
 047: 1442 FT, SPOT ELEVATION *BROWNWOOD QUAD
 048: 1301 FT, SPOT ELEVATION *BROWNWOOD QUAD
 049: 1461 FT, SPOT ELEVATION *BROWNWOOD QUAD
 050: 1378 FT, SPOT ELEVATION *BROWNWOOD QUAD
 051: 1350 FT, SPOT ELEVATION *BROWNWOOD QUAD
 052: 1384 FT, SPOT ELEVATION *BROWNWOOD QUAD
 053: 1584 FT, SPOT ELEVATION *BROWNWOOD QUAD
 054: 1596 FT, SPOT ELEVATION *BROWNWOOD QUAD
 055: 1523 FT, SPOT ELEVATION *BROWNWOOD QUAD
 056: 1485 FT, SPOT ELEVATION *BROWNWOOD QUAD

Labels for data file CBFENCE.DXF

001: FENCE LINE *BROWNWOOD QUAD
 002: FENCE LINE
 003: FENCE LINE
 004: FENCE LINE
 005: FENCE LINE
 006: FENCE LINE
 007: FENCE LINE *INDIAN CREEK QUAD
 008: FENCE LINE
 009: FENCE LINE
 010: FENCE LINE
 011: FENCE LINE

Labels for data file CBCONTRS.DXF

(lines representing contacts [/]
 between listed geologic units)
 QAL - QUATERNARY ALLUVIUM
 QU - QUATERNARY SURFICIAL DEPOSITS, UNDIVIDED
 KTP - CRETACEOUS TRAVIS PEAK FORMATION
 PST - PENNSYLVANIAN STRAWN GROUP UNDIVIDED
 PC - CAPPS LIMESTONE (STRAWN GROUP)
 PST-SS32 - SANDSTONE 32 (STRAWN GROUP)
 PST-SS31 - SANDSTONE 31 (STRAWN GROUP)
 PRS - RICKER STATION LIMESTONE (STRAWN GROUP)
 PST-SS29 - SANDSTONE 29 (STRAWN GROUP)

001: PST / PC *FILE BEGINS
 002: PST / KTP
 003: PC / PST

004: KTP / PC
 005: KTP / PST
 006: PC / PST
 007: PST / PCB / PST (THIN BED OF PC WITHIN PST)
 008: PST / PCB / PST (CONTINUED)
 009: PST / PST-SS32
 010: PST-SS32 / PC
 011: PST / PST-SS31
 012: PST / QAL
 013: QAL / PST-SS31
 014: QAL / PST
 015: PST / QAL
 016: PST / PST-SS31
 017: PST / PRSB / PST (THIN BED OF PRS WITHIN PST)
 018: PST / PST-SS31
 019: KTP / PST
 020: PST-SS31 / PST
 021: KTP / PST-SS31
 022: KTP / PST
 023: PST / KTP
 024: QU / PST
 025: QU / KTP
 026: KTP / QU
 027: QU / KTP
 028: QAL / PST *FILE BEGINS
 029: QU / PST
 030: QAL / PST
 031: QU / PST
 032: QU / PST
 033: QU / PST
 034: QU / PST
 035: QAL / PST
 036: PST / PST-SS29
 037: QU / PST
 038: QU / PST-SS29
 039: PST / QAL
 040: QAL / PST
 041: PST / QU
 042: QU / QAL
 043: QU / PST
 044: KTP / QU

Labels for data file CBHIWAYS.DXF

001: HIGHWAY (STATE ROUTE 2524) *BROWNWOOD QUAD
 002: HIGHWAY (STATE ROUTE 2126)
 003: HIGHWAY (STATE ROUTE 45/2126)
 004: HIGHWAY (STATE ROUTE 45)
 005: HIGHWAY (STATE ROUTE 45/2126)
 006: HIGHWAY (STATE ROUTE 45 EAST-WEST)
 007: HIGHWAY (STATE ROUTE 45 NORTH-SOUTH)
 008: HIGHWAY (STATE ROUTE 45 NORTH-SOUTH) *INDIAN CREEK QUAD

Labels for data file CBIMPRDS.DXF

001: LIGHT-DUTY IMPROVED *BROWNWOOD QUAD
 002: LIGHT-DUTY IMPROVED
 003: LIGHT-DUTY IMPROVED
 004: LIGHT-DUTY IMPROVED
 005: LIGHT-DUTY IMPROVED
 006: LIGHT-DUTY IMPROVED
 007: LIGHT DUTY IMPROVED
 008: LIGHT-DUTY IMPROVED
 009: LIGHT-DUTY IMPROVED
 010: LIGHT-DUTY IMPROVED *INDIAN CREEK QUAD
 011: LIGHT-DUTY IMPROVED
 012: LIGHT-DUTY IMPROVED
 013: LIGHT-DUTY IMPROVED
 014: LIGHT-DUTY IMPROVED

Label for data file CBPIPELN.DXF

001: EAST-WEST PIPELINE *BROWNWOOD QUAD

Labels for data file CBPITS.DXF

001: GRAVEL PIT 1 *BROWNWOOD QUAD
002: GRAVEL PIT 2A
003: GRAVEL PIT 2B
004: GRAVEL PIT 3
005: GRAVEL PIT 4
006: GRAVEL PIT 5
007: GRAVEL PIT 1 *INDIAN CREEK QUAD
008: GRAVEL PIT 2
009: GRAVEL PIT 3

Labels for data file CBPOWRLN.DXF

001: NORTHEAST-TRENDING POWERLINE, EAST-CENTRAL *BROWNWOOD QUAD
002: POWER SUBSTATION BETWEEN POWERLINES, *BROWNWOOD QUAD
003: NORTH-SOUTH POWERLINE, SOUTH-CENTRAL *BROWNWOOD QUAD
004: EAST-WEST POWERLINE, SOUTHERN 1/3 *BROWNWOOD QUAD
005: NORTHWEST-SOUTHEAST POWERLINE, CENTRAL *BROWNWOOD QUAD

Labels for data file CBSOILS.DXF

(lines representing boundaries
[/] between listed soil units)
A - High-moderate permeability, 0-5% slope
B - Moderate permeability, >=5% slope
C - Low permeability, 0-5% slope
D - Low permeability, >=5% slope
E - Modern floodplain, 0-3% slope
R - Reservoir

001: C/A *BROWNWOOD QUAD
002: C/A
003: B/A
004: C/A
005: B/A
006: B/C
007: C/B
008: E/B
009: E/C
010: A/E
011: A/C
012: A/D
013: E/C
014: R/C
015: E/C
016: R/E
017: C/D
018: C/A
019: B/A
020: D/A
021: D/C
022: A/B
023: A/C
024: A/D
025: A/E
026: A/C
027: A/E
028: A/B
029: C/E
030: D/E
031: C/E
032: R/E
033: R/C
034: C/E

035: E/C
036: E/D
037: E/B
038: C/D
039: C/D
040: B/D
041: A/C
042: A/D
043: A/C
044: A/D
045: A/B
046: A/D
047: A/B
048: A/D
049: D/C
050: B/D
051: B/D
052: D/C
053: E/C
054: C/D
055: C/A *INDIAN CREEK QUAD
056: C/E
057: E/D
058: C/D
059: C/D
060: A/B
061: A/B
062: A/B
063: A/B
064: B/A
065: B/D
066: B/E
067: B/E
068: B/D
069: B/A
070: C/A
071: C/A
072: A/D
073: A/R
074: A/E
075: A/R
076: A/D
077: C/A
078: C/D
079: C/D
080: R/E
081: R/D
082: R/E
083: R/D
084: E/D
085: E/C
086: E/D
087: D/C
088: C/D
089: E/D
090: E/C
091: E/D
092: E/C
093: A/D
094: A/B
095: B/D
096: E/D
097: E/C
098: D/C
099: D/E
100: D/C
101: D/C
102: C/D
103: C/D
104: C/D
105: C/D

Labels for data file CBSTRCLG.DXF

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001: ON-BASE STRUCTURE 3 (LARGE), OUTLINE SYMBOL *BROWNWOOD QUAD
002: ON-BASE STRUCTURE 6 (LARGE), SOLID SYMBOL
003: ON-BASE STRUCTURE 1 (LARGE), OUTLINE SYMBOL *INDIAN CREEK QUAD
004: ON-BASE STRUCTURE 2 (LARGE), OUTLINE SYMBOL
005: ON-BASE STRUCTURE 4 (LARGE), OUTLINE SYMBOL
006: ON-BASE STRUCTURE 5 (LARGE), OUTLINE SYMBOL
007: OFF-BASE STRUCTURE 4 (LARGE), SOLID SYMBOL
008: OFF-BASE STRUCTURE 8 (LARGE), OUTLINE SYMBOL
009: OFF-BASE STRUCTURE 15 (LARGE), OUTLINE SYMBOL

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Labels for data file CBSTRCSM.DXF

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001: ON-BASE STRUCTURE
002: ON-BASE STRUCTURE
003: ON-BASE STRUCTURE
004: ON-BASE STRUCTURE
005: ON-BASE STRUCTURE
006: OFF-BASE STRUCTURE 1 (SMALL), SOLID SYMBOL
007: OFF-BASE STRUCTURE 2 (SMALL), SOLID SYMBOL
008: OFF-BASE STRUCTURE 3 (SMALL), SOLID SYMBOL
009: OFF-BASE STRUCTURE 5 (SMALL), SOLID SYMBOL
010: OFF-BASE STRUCTURE 6 (SMALL), SOLID SYMBOL
011: OFF-BASE STRUCTURE 7 (SMALL), SOLID SYMBOL
012: OFF-BASE STRUCTURE 9 (SMALL), SOLID SYMBOL
013: OFF-BASE STRUCTURE 10 (SMALL), OUTLINE SYMBOL
014: OFF-BASE STRUCTURE 11 (SMALL), OUTLINE SYMBOL
015: OFF-BASE STRUCTURE 12 (SMALL), OUTLINE SYMBOL
016: OFF-BASE STRUCTURE 13 (SMALL), OUTLINE SYMBOL
017: OFF-BASE STRUCTURE 14 (SMALL), OUTLINE SYMBOL

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Labels for data file CBSTRCWM.DXF

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001: WINDMILL 1 (OFF BASE) *INDIAN CREEK QUAD
002: WINDMILL 2 (OFF BASE)
003: WINDMILL 3 (OFF BASE) (ALSO IN CBELEVSP FILE)
004: WINDMILL 4 (OFF BASE)
005: WINDMILL 5 (OFF BASE)
006: WINDMILL 6 (OFF BASE)
007: WINDMILL 7 (OFF BASE)
008: WINDMILL 8 (OFF BASE) (ALSO IN CBELEVSP FILE)
009: WINDMILL 9 (OFF BASE)
010: WINDMILL 10 (OFF BASE)
011: WINDMILL 11 (OFF BASE)
012: WINDMILL 12 (OFF BASE) (ALSO IN CBELEVSP FILE)

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Labels for data file CBSTREAM.DXF

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001: MAIN BRANCH DEVILS RIVER *BROWNWOOD QUAD
002: MAIN BRANCH DEVILS RIVER
003: PECAN BAYOU
004: PECAN BAYOU
005: NORTH BRANCH DEVILS RIVER
006: NORTH BRANCH DEVILS RIVER
007: NORTH BRANCH DEVILS RIVER
008: NORTH BRANCH DEVILS RIVER
009: NORTH BRANCH DEVILS RIVER
010: NORTH BRANCH DEVILS RIVER
011: NORTH BRANCH DEVILS RIVER
012: NORTH BRANCH DEVILS RIVER
013: NORTH BRANCH DEVILS RIVER
014: NORTH BRANCH DEVILS RIVER
015: NORTH BRANCH DEVILS RIVER
016: NORTH BRANCH DEVILS RIVER
017: PECAN BAYOU
018: PECAN BAYOU
019: PECAN BAYOU RIVERFRONT TRIBUTARY

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020: PECAN BAYOU RIVERFRONT TRIBUTARY
021: LEWIS CREEK
022: LEWIS CREEK
023: LEWIS CREEK
024: LEWIS CREEK
025: LEWIS CREEK
026: LEWIS CREEK
027: LEWIS CREEK
028: LEWIS CREEK
029: LEWIS CREEK
030: LEWIS CREEK
031: LEWIS CREEK
032: LEWIS CREEK
033: LEWIS CREEK
034: LEWIS CREEK
035: LEWIS CREEK
036: LEWIS CREEK
037: LEWIS CREEK
038: LEWIS CREEK
039: LEWIS CREEK
040: LEWIS CREEK
041: LEWIS CREEK
042: LEWIS CREEK
043: LEWIS CREEK
044: LEWIS CREEK
045: PECAN BAYOU
046: PECAN BAYOU RIVERFRONT TRIBUTARY
047: PECAN BAYOU
048: WILLIS CREEK
049: WILLIS CREEK
050: WILLIS CREEK
051: WILLIS CREEK
052: WILLIS CREEK
053: WILLIS CREEK
054: WILLIS CREEK
055: WILLIS CREEK
056: WILLIS CREEK
057: WILLIS CREEK
058: WILLIS CREEK
059: WILLIS CREEK
060: WILLIS CREEK
061: WILLIS CREEK
062: WILLIS CREEK
063: WILLIS CREEK
064: WILLIS CREEK
065: WILLIS CREEK
066: WILLIS CREEK
067: WILLIS CREEK
068: WILLIS CREEK
069: NORTH BRANCH DEVILS RIVER
070: LEWIS CREEK
071: LEWIS CREEK
072: WILLIS CREEK
073: WILLIS CREEK
074: WILLIS CREEK
075: WILLIS CREEK
076: WILLIS CREEK
077: LEWIS CREEK
078: PECAN BAYOU *BLANKET SPRINGS QUAD
079: MAIN BRANCH DEVILS RIVER
080: MAIN BRANCH DEVILS RIVER
081: MAIN BRANCH DEVILS RIVER
082: MAIN BRANCH MACKINALLY CREEK
083: NORTH BRANCH MACKINALLY CREEK
084: NORTH BRANCH MACKINALLY CREEK
085: NORTH BRANCH MACKINALLY CREEK
086: NORTH BRANCH MACKINALLY CREEK
087: NORTH BRANCH MACKINALLY CREEK
088: MAIN BRANCH DEVILS RIVER *INDIAN CREEK QUAD
089: MAIN BRANCH DEVILS RIVER
090: MAIN BRANCH DEVILS RIVER
091: MAIN BRANCH DEVILS RIVER

092: MAIN BRANCH DEVILS RIVER
 093: MAIN BRANCH DEVILS RIVER
 094: MAIN BRANCH DEVILS RIVER
 095: NORTH BRANCH MACKINALLY CREEK
 096: NORTH BRANCH MACKINALLY CREEK
 097: NORTH BRANCH MACKINALLY CREEK
 098: NORTH BRANCH MACKINALLY CREEK
 099: NORTH BRANCH MACKINALLY CREEK
 100: NORTH BRANCH MACKINALLY CREEK
 101: NORTH BRANCH MACKINALLY CREEK
 102: NORTH BRANCH MACKINALLY CREEK
 103: NORTH BRANCH MACKINALLY CREEK
 104: NORTH BRANCH MACKINALLY CREEK
 105: NORTH BRANCH MACKINALLY CREEK
 106: NORTH BRANCH MACKINALLY CREEK
 107: NORTH BRANCH MACKINALLY CREEK
 108: NORTH BRANCH MACKINALLY CREEK
 109: NORTH BRANCH MACKINALLY CREEK
 110: MAIN BRANCH MACKINALLY CREEK
 111: MAIN BRANCH MACKINALLY CREEK
 112: MAIN BRANCH MACKINALLY CREEK
 113: MAIN BRANCH MACKINALLY CREEK
 114: MAIN BRANCH MACKINALLY CREEK
 115: MAIN BRANCH MACKINALLY CREEK
 116: MAIN BRANCH MACKINALLY CREEK
 117: MAIN BRANCH MACKINALLY CREEK
 118: MAIN BRANCH MACKINALLY CREEK
 119: MAIN BRANCH MACKINALLY CREEK
 120: MAIN BRANCH MACKINALLY CREEK
 121: LEWIS CREEK
 122: MAIN BRANCH DEVILS RIVER
 123: MAIN BRANCH DEVILS RIVER
 124: MAIN BRANCH DEVILS RIVER
 125: MAIN BRANCH DEVILS RIVER
 126: MAIN BRANCH DEVILS RIVER
 127: MAIN BRANCH DEVILS RIVER
 128: MAIN BRANCH DEVILS RIVER
 129: MAIN BRANCH DEVILS RIVER
 130: MAIN BRANCH DEVILS RIVER
 131: MAIN BRANCH DEVILS RIVER
 132: MAIN BRANCH DEVILS RIVER
 133: MAIN BRANCH DEVILS RIVER
 134: MAIN BRANCH DEVILS RIVER
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 136: MAIN BRANCH DEVILS RIVER
 137: MAIN BRANCH DEVILS RIVER
 138: MAIN BRANCH DEVILS RIVER
 139: MAIN BRANCH DEVILS RIVER
 140: MAIN BRANCH DEVILS RIVER
 141: MAIN BRANCH DEVILS RIVER
 142: MAIN BRANCH DEVILS RIVER
 143: MAIN BRANCH DEVILS RIVER
 144: MAIN BRANCH DEVILS RIVER
 145: MAIN BRANCH DEVILS RIVER
 146: MAIN BRANCH DEVILS RIVER
 147: PECAN BAYOU *ZEPHYR QUAD
 148: NORTH BRANCH DEVILS RIVER

Labels for data file CBTICS.DXF

001: 99 00 00, 31 45 00
 002: 98 57 30, 31 45 00
 003: 98 55 00, 31 45 00
 004: 98 52 30, 31 45 00
 005: 99 00 00, 31 42 30
 006: 98 57 30, 31 42 30 98-57.5
 007: 98 55 00, 31 42 30
 008: 98 52 30, 31 42 30 98-52.5, 31-42.5
 009: 99 00 00, 31 40 00
 010: 98 57 30, 31 40 00
 011: 98 55 00, 31 40 00

012: 98 52 30, 31 40 00
013: 99 00 00, 31 37 30
014: 98 57 30, 31 37 30
015: 98 55 00, 31 37 30
016: 98 52 30, 31 37 30
017: 99 00 00, 31 35 00
018: 98 57 30, 31 35 00
019: 98 55 00, 31 35 00
020: 98 52 30, 31 35 00
021: 99 00 00, 31 32 30
022: 98 57 30, 31 32 30
023: 98 55 00, 31 32 30
024: 98 52 30, 31 32 30
025: 99 00 00, 31 30 00
026: 98 57 30, 31 30 00
027: 98 55 00, 31 30 00
028: 98 52 30, 31 30 00

Labels for data file CBUMPRDS.DXF

001: UNIMPROVED *BROWNWOOD QUAD
002: UNIMPROVED
003: UNIMPROVED
004: UNIMPROVED
005: UNIMPROVED
006: UNIMPROVED
007: UNIMPROVED
008: UNIMPROVED
009: UNIMPROVED
010: UNIMPROVED
011: UNIMPROVED
012: UNIMPROVED
013: UNIMPROVED
014: UNIMPROVED
015: UNIMPROVED
016: UNIMPROVED
017: UNIMPROVED
018: UNIMPROVED
019: UNIMPROVED
020: UNIMPROVED
021: UNIMPROVED
022: UNIMPROVED
023: UNIMPROVED
024: UNIMPROVED
025: UNIMPROVED
026: UNIMPROVED
027: UNIMPROVED
028: UNIMPROVED
029: UNIMPROVED
030: UNIMPROVED
031: UNIMPROVED
032: UNIMPROVED
033: UNIMPROVED
034: UNIMPROVED
035: UNIMPROVED
036: UNIMPROVED
037: UNIMPROVED
038: UNIMPROVED
039: UNIMPROVED
040: UNIMPROVED
041: UNIMPROVED
042: UNIMPROVED
043: UNIMPROVED
044: UNIMPROVED
045: UNIMPROVED
046: UNIMPROVED
047: UNIMPROVED
048: UNIMPROVED
049: UNIMPROVED *INDIAN CREEK QUAD
050: UNIMPROVED
051: UNIMPROVED

052: UNIMPROVED
 053: UNIMPROVED
 054: UNIMPROVED
 055: UNIMPROVED
 056: UNIMPROVED
 057: UNIMPROVED
 058: UNIMPROVED
 059: UNIMPROVED
 060: UNIMPROVED
 061: UNIMPROVED
 062: UNIMPROVED
 063: UNIMPROVED
 064: UNIMPROVED
 065: UNIMPROVED
 066: UNIMPROVED
 067: UNIMPROVED
 068: UNIMPROVED
 069: UNIMPROVED
 070: UNIMPROVED
 071: UNIMPROVED
 072: UNIMPROVED
 073: UNIMPROVED
 074: UNIMPROVED
 075: UNIMPROVED
 076: UNIMPROVED
 077: UNIMPROVED
 078: UNIMPROVED
 079: UNIMPROVED
 080: UNIMPROVED
 081: UNIMPROVED
 082: UNIMPROVED
 083: UNIMPROVED
 084: UNIMPROVED

Labels for data file CBWATBOD.DXF

001: 1 SEASONAL, N BRANCH MACKINALLY CK BASIN *BLANKET SPRINGS QUAD
 002: 2 SEASONAL, N BRANCH MACKINALLY CK BASIN
 003: 3 SEASONAL, N BRANCH MACKINALLY CK BASIN
 004: 4 SEASONAL, N BRANCH MACKINALLY CK BASIN
 005: 5 SEASONAL, N BRANCH MACKINALLY CK BASIN
 006: 6 SEASONAL, N BRANCH MACKINALLY CK BASIN
 007: 7 SEASONAL, N BRANCH MACKINALLY CK BASIN
 008: 8 SEASONAL, N BRANCH MACKINALLY CK BASIN
 009: 9 SEASONAL, N BRANCH MACKINALLY CK BASIN
 010: 10 SEASONAL, N BRANCH MACKINALLY CK BASIN
 011: 11 SEASONAL, N BRANCH MACKINALLY CK BASIN
 012: 1 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN *BROWNWOOD QUAD
 013: 2 PERENNIAL, LEWIS CK BASIN
 014: 3 PERENNIAL, LEWIS CK BASIN
 015: 4 PERENNIAL, N BRANCH DEVILS RIVER BASIN
 016: 5 PERENNIAL, N BRANCH DEVILS RIVER BASIN
 017: 6 PERENNIAL, N BRANCH DEVILS RIVER BASIN
 018: 7 PERENNIAL, N BRANCH DEVILS RIVER BASIN
 019: 8 PERENNIAL, N BRANCH DEVILS RIVER BASIN
 020: 9 PERENNIAL, N BRANCH DEVILS RIVER BASIN
 021: 10 PERENNIAL, LEWIS CK BASIN
 022: 11 PERENNIAL, LEWIS CK BASIN
 023: 12 PERENNIAL, LEWIS CK BASIN
 024: 13 SEASONAL, WILLIS CK BASIN
 025: 14 PERENNIAL, WILLIS CK BASIN
 026: 15 PERENNIAL, N BRANCH DEVILS RIVER BASIN
 027: 16 SEASONAL, N BRANCH DEVILS RIVER BASIN
 028: 17 SEASONAL, N BRANCH DEVILS RIVER BASIN
 029: 18 SEASONAL, N BRANCH DEVILS RIVER BASIN
 030: 19 SEASONAL, N BRANCH DEVILS RIVER BASIN
 031: 20 SEASONAL, N BRANCH DEVILS RIVER BASIN
 032: 21 PERENNIAL, N BRANCH DEVILS RIVER BASIN
 033: 22 SEASONAL, N BRANCH DEVILS RIVER BASIN
 034: 23 PERENNIAL, N BRANCH DEVILS RIVER BASIN
 035: 24 SEASONAL, LEWIS CK BASIN

036: 25 PERENNIAL, LEWIS CK BASIN
 037: 26 PERENNIAL, LEWIS CK BASIN
 038: 27 PERENNIAL, LEWIS CK BASIN
 039: 28 PERENNIAL, LEWIS CK BASIN
 040: 29 PERENNIAL, LEWIS CK BASIN
 041: 30 PERENNIAL, LEWIS CK BASIN
 042: 31 PERENNIAL, LEWIS CK BASIN
 043: 32 PERENNIAL, LEWIS CK BASIN
 044: 33 PERENNIAL, LEWIS CK BASIN
 045: 34 PERENNIAL, LEWIS CK BASIN
 046: 35 SEASONAL, LEWIS CK BASIN
 047: 36 PERENNIAL, WILLIS CK BASIN
 048: 37 PERENNIAL, WILLIS CK BASIN
 049: 38 PERENNIAL, WILLIS CK BASIN
 050: 39 PERENNIAL, WILLIS CK BASIN
 051: 40 PERENNIAL, WILLIS CK BASIN
 052: 41 PERENNIAL, N BRANCH DEVILS RIVER BASIN
 053: 42 SEASONAL, N BRANCH DEVILS RIVER BASIN
 054: 43 PERENNIAL, LEWIS CK BASIN
 055: 44 SEASONAL, LEWIS CK BASIN
 056: 45 SEASONAL, LEWIS CK BASIN
 057: 46 PERENNIAL, LEWIS CK BASIN
 058: 47 PERENNIAL, LEWIS CK BASIN
 059: 48 PERENNIAL, LEWIS CK BASIN
 060: 49 PERENNIAL, LEWIS CK BASIN
 061: 50 SEASONAL, WILLIS CK BASIN
 062: 51 PERENNIAL, N BRANCH DEVILS RIVER BASIN
 063: 52 PERENNIAL, LEWIS CK BASIN
 064: 53 SEASONAL LEWIS CK BASIN
 065: 54 SEASONAL LEWIS CK BASIN
 066: 55 PERENNIAL, LEWIS CK BASIN
 067: 56 SEASONAL LEWIS CK BASIN
 068: 57 PERENNIAL, LEWIS CK BASIN
 069: 58 PERENNIAL, WILLIS CK BASIN
 070: 59 PERENNIAL, WILLIS CK BASIN
 071: 60 SEASONAL, WILLIS CK BASIN
 072: 1 SEASONAL, LEWIS CK BASIN *INDIAN CREEK QUAD (PART 1 OF 2)
 073: 2 PERENNIAL, LEWIS CK BASIN
 074: 3 SEASONAL, MAIN BRANCH DEVILS RIVER BASIN
 075: 4 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 076: 5 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 077: 6 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 078: 7 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 079: 8 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 080: 9 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 081: 10 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 082: 11 SEASONAL, MAIN BRANCH DEVILS RIVER BASIN
 083: 12 SEASONAL, MAIN BRANCH DEVILS RIVER BASIN
 084: 13 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 085: 14 SEASONAL, MAIN BRANCH DEVILS RIVER BASIN
 086: 15 SEASONAL, MAIN BRANCH DEVILS RIVER BASIN
 087: 16 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN *INDIAN CREEK QUAD (PART 2 OF 2)
 088: 17 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 089: 18 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 090: 19 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 091: 20 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 092: 21 SEASONAL, MAIN BRANCH DEVILS RIVER BASIN
 093: 22 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 094: 23 SEASONAL, MAIN BRANCH DEVILS RIVER BASIN
 095: 24 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 096: 25 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 097: 26 SEASONAL, MAIN BRANCH DEVILS RIVER BASIN
 098: 27 SEASONAL, MAIN BRANCH DEVILS RIVER BASIN
 099: 28 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 100: 29 SEASONAL, MAIN BRANCH DEVILS RIVER BASIN
 101: 30 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 102: 31 SEASONAL, N BRANCH MACKINALLY CK BASIN
 103: 32 SEASONAL, N BRANCH MACKINALLY CK BASIN
 104: 33 SEASONAL, MAIN BRANCH DEVILS RIVER BASIN
 105: 34 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 106: 35 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 107: 36 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN

108: 37 PERENNIAL, N BRANCH MACKINALLY CK BASIN
 109: 38 PERENNIAL, MAIN BRANCH DEVILS RIVER BASIN
 110: 39 PERENNIAL, N BRANCH MACKINALLY CK BASIN
 111: 40 PERENNIAL, N BRANCH MACKINALLY CK BASIN
 112: 41 SEASONAL, N BRANCH MACKINALLY CK BASIN
 113: 42 SEASONAL, N BRANCH MACKINALLY CK BASIN
 114: 43 SEASONAL, N BRANCH MACKINALLY CK BASIN
 115: 44 SEASONAL, N BRANCH MACKINALLY CK BASIN
 116: 45 PERENNIAL, N BRANCH MACKINALLY CK BASIN
 117: 46 PERENNIAL, N BRANCH MACKINALLY CK BASIN
 118: 47 SEASONAL, N BRANCH MACKINALLY CK BASIN
 119: 48 SEASONAL, N BRANCH MACKINALLY CK BASIN
 120: 49 PERENNIAL, N BRANCH MACKINALLY CK BASIN
 121: 50 PERENNIAL, N BRANCH MACKINALLY CK BASIN
 122: 51 PERENNIAL, N BRANCH MACKINALLY CK BASIN
 123: 52 SEASONAL, N BRANCH MACKINALLY CK BASIN
 124: 53 PERENNIAL, N BRANCH MACKINALLY CK BASIN
 125: 54 PERENNIAL, MAIN BRANCH MACKINALLY CK BASIN
 126: 55 SEASONAL, MAIN BRANCH MACKINALLY CK BASIN
 127: 56 SEASONAL, MAIN BRANCH MACKINALLY CK BASIN
 128: 57 SEASONAL, MAIN BRANCH MACKINALLY CK BASIN
 129: 58 SEASONAL, MAIN BRANCH MACKINALLY CK BASIN
 130: 59 PERENNIAL, MAIN BRANCH MACKINALLY CK BASIN
 131: 60 SEASONAL, N BRANCH MACKINALLY CK BASIN
 132: 61 PERENNIAL, N BRANCH MACKINALLY CK BASIN
 133: 62 PERENNIAL, N BRANCH MACKINALLY CK BASIN
 134: 63 PERENNIAL, MAIN BRANCH MACKINALLY CK BASIN
 135: 64 PERENNIAL, MAIN BRANCH MACKINALLY CK BASIN
 136: 65 PERENNIAL, MAIN BRANCH MACKINALLY CK BASIN
 137: 66 PERENNIAL, N BRANCH MACKINALLY CK BASIN
 138: 67 SEASONAL, N BRANCH MACKINALLY CK BASIN
 139: 68 SEASONAL, MAIN BRANCH MACKINALLY CK BASIN
 140: 69 SEASONAL, MAIN BRANCH MACKINALLY CK BASIN
 141: 70 PERENNIAL, MAIN BRANCH MACKINALLY CK BASIN
 142: 71 SEASONAL, MAIN BRANCH MACKINALLY CK BASIN
 143: 72 SEASONAL, MAIN BRANCH MACKINALLY CK BASIN
 144: 73 SEASONAL, MAIN BRANCH MACKINALLY CK BASIN
 145: 74 PERENNIAL, MAIN BRANCH MACKINALLY CK BASIN
 146: 75 SEASONAL, MAIN BRANCH MACKINALLY CK BASIN
 147: 76 SEASONAL, MAIN BRANCH MACKINALLY CK BASIN
 148: 77 PERENNIAL, MAIN BRANCH MACKINALLY CK BASIN
 149: 78 PERENNIAL, MAIN BRANCH MACKINALLY CK BASIN
 150: 79 PERENNIAL, MAIN BRANCH MACKINALLY CK BASIN
 151: 80 PERENNIAL, MAIN BRANCH MACKINALLY CK BASIN
 152: 81 PERENNIAL, MAIN BRANCH MACKINALLY CK BASIN
 153: 82 PERENNIAL, MAIN BRANCH MACKINALLY CK BASIN
 154: 83 SEASONAL, MAIN BRANCH MACKINALLY CK BASIN
 155: 84 SEASONAL, MAIN BRANCH MACKINALLY CK BASIN
 156: 85 PERENNIAL, MAIN BRANCH MACKINALLY CK BASIN

Labels for data file CBWELLS.DXF

001: WELL 1 *INDIAN CREEK QUAD
 002: WELL 2 *INDIAN CREEK QUAD
 003: WELL 1 *BROWNWOOD QUAD
 004: WELL 2 *BROWNWOOD QUAD
 005: WELL 3 *BROWNWOOD QUAD