

1 **State of Arkansas**
2 **78th General Assembly**
3 **Regular Session, 1991**
4 **By: Representative J. Miller**

A BILL ACT 861 OF 1991
HOUSE BILL 1146

For An Act To Be Entitled

8 "AN ACT TO DESCRIBE, DEFINE AND OFFICIALLY ADOPT A SYSTEM
9 OF COORDINATES FOR DESIGNATING THE POSITION OF POINTS ON
10 THE SURFACE OF THE EARTH, WITHIN THE STATE OF ARKANSAS
11 USING NORTH AMERICAN DATUM 1983; AND FOR OTHER PURPOSES."

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13 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF ARKANSAS:

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15 SECTION 1. (a) The system of plane coordinates which has been
16 established by the United States National Geodetic Survey for defining and
17 stating the positions or locations of points on the surface of the earth
18 within the State of Arkansas is to be known and designated as the "Arkansas
19 Coordinate System 1983."

20 (b) For the purpose of the use of this system the state is divided into
21 a "North Zone" and a "South Zone."

22 (c) The area now included in the following counties shall constitute
23 the North Zone: Baxter, Benton, Boone, Carroll, Clay, Cleburne, Conway,
24 Craighead, Crawford, Crittenden, Cross, Faulkner, Franklin, Fulton, Greene,
25 Independence, Izard, Jackson, Johnson, Lawrence, Logan, Madison, Marion,
26 Mississippi, Newton, Perry, Poinsett, Pope, Randolph, Scott, Searcy,
27 Sebastian, Sharp, St. Francis, Stone, Van Buren, Washington, White, Woodruff,
28 *Pulaski and Yell.*

29 (d) The area now included in the following counties shall constitute
30 the South Zone: Arkansas, Ashley, Bradley, Calhoun, Chicot, Clark, Cleveland,
31 Columbia, Dallas, Desha, Drew, Garland, Grant, Hempstead, Hot Spring, Howard,
32 Jefferson, Lafayette, Lee, Lincoln, Little River, Lonoke, Miller, Monroe,
33 Montgomery, Nevada, Ouachita, Phillips, Pike, Polk, Prairie, Saline, Sevier
34 and Union.

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36 SECTION 2. (a) As established for use in the North Zone, the Arkansas

1 Coordinate System 1983 shall be named, and in any land description in which it
2 is used shall be designated, the "Arkansas Coordinate System 1983, North
3 Zone."

4 (b) As established for use in the South Zone, the Arkansas Coordinate
5 System 1983 shall be named, and in any land description in which it is used it
6 shall be designated, the "Arkansas Coordinate System 1983, South Zone."

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8 SECTION 3. The Plane coordinates of a point on the earth's surface, to
9 be used in expressing the position or location of such point in the
10 appropriate zone of this system, shall consist of two distances, expressed in
11 meters and decimals of a meter. One of these distances, to be known as the
12 "east(x)-coordinate," shall give the position in the east-and-west direction;
13 and the other, to be known as the "north(y)-coordinate," shall give the
14 position in a north-and-south direction. These coordinates shall be made to
15 depend upon and conform to the coordinates, on the Arkansas Coordinate System
16 1983, of the triangulation and traverse stations of the United States National
17 Geodetic Survey within the State of Arkansas, as those coordinates have been
18 determined by the said Survey. One foot shall equal 0.3048 meters.

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20 SECTION 4. When any tract of land to be defined by a single description
21 extends from one into the other of the above coordinate zones, the positions
22 of all points on its boundaries may be referred to either of the two zones,
23 the zone which is used being specifically named in the description.

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25 SECTION 5. (a) For purposes of more precisely defining the Arkansas
26 Coordinate System 1983, the following definition by the United States National
27 Geodetic Survey is adopted:

28 (1) The Arkansas Coordinate System 1983, North Zone, is a Lambert
29 conformal projection of the North American Datum of 1983 (NAD83), having
30 standard parallels at north latitudes of 34 degrees 56 minutes and 36 degrees
31 14 minutes, along which parallels the scale shall be exact.

32 (2) The origin of coordinates is at the intersection of the
33 meridian 92 degrees 00 minutes west of Greenwich and the parallel 34 degrees
34 20 minutes north latitude. This origin is given the coordinates: East equals
35 400,000 meters and North equals 0.0 meters.

36 (3) The Arkansas Coordinate System 1983, South Zone, is a Lambert

1 conformal projection of the North American Datum of 1983 (NAD83), having
2 standard parallels at north latitudes of 33 degrees 18 minutes and 34 degrees
3 40 minutes, along which parallels the scale shall be exact. The origin of
4 coordinates is at the intersection of the meridian 92 degrees 00 minutes west
5 of Greenwich and the parallel 32 degrees 40 minutes north latitude. This
6 origin is given the coordinates: East equals 400,000 meters and North equals
7 400,000 meters.

8 (b) The position of Arkansas Coordinate System 1983 shall be marked on
9 the ground by triangulation or traverse stations established in conformity
10 with standards adopted by the United States National Geodetic Survey for
11 first-order and second-order work, whose geodetic positions have been rigidly
12 adjusted on the North American Datum of 1983, and whose coordinates have been
13 computed on the system herein defined. Any such station may be used for
14 establishing a survey connection with the Arkansas Coordinate System 1983.
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16 SECTION 6. No coordinates based on the Arkansas Coordinate System 1983,
17 purporting to define the position of a point on a land boundary shall be
18 presented to be recorded in any public land records or deed records unless
19 such point is within fifteen miles of a triangulation or traverse station
20 established in conformity with the standards prescribed in Section 5 of this
21 act; provided that said fifteen mile limitation may be modified by a duly
22 authorized state agency to meet local conditions.
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24 SECTION 7. The use of the term "Arkansas Coordinate System 1983" on any
25 map, report of survey, or other document, shall be limited to coordinates
26 based on the Arkansas Coordinate System 1983 as defined in this act.
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28 SECTION 8. Wherever coordinates based on the Arkansas Coordinate System
29 1983 are used to describe any tract of land which in the same document is also
30 described by reference to any subdivision, line, or other corner of the United
31 States public land surveys, the description by the coordinates shall be
32 construed as supplemental to the basic description of such subdivision, line,
33 or corner contained in the official plats and field notes filed of record, and
34 in the event of any conflict the description by reference to the subdivision,
35 line, or corner of the United States public land surveys shall prevail over
36 the description by coordinates.

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SECTION 9. Nothing contained in this act shall require any purchaser or mortgagee to rely on the description, any part of which depends exclusively upon the Arkansas Coordinate System 1983.

SECTION 10. All provisions of this act of a general and permanent nature are amendatory to the Arkansas Code of 1987 Annotated and the Arkansas Code Revision Commission shall incorporate the same in the Code.

SECTION 11. If any provision of this act or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications of the act which can be given effect without the invalid provision or application, and to this end the provisions of this act are declared to be severable.

SECTION 12. All laws and parts of laws in conflict with this act are hereby repealed.

/s/ John Miller

APPROVED: 3/29/91