

**Hardin County, Iowa**  
 Horizontal Datum: **NAD 83(NA2011)** - Vertical Datum: **NAVD 1988**  
 Iowa State Plane North Zone (1401)  
 Iowa Regional Coordinate System, Zone 4, Sioux City-Iowa Falls LCC  
 US Survey Feet  
**9/30/18**

Point Name: **8047**

**Designation:** 862113 2 (Set by Deni Associates in 1998)

NAD 83(NA2011) Latitude: **N42°15'08.96581"** Longitude: **W93°14'28.62383"**  
 NAVD 88 Ortho Height: **1150.970sft** Ellip. Ht: **1050.536sft** Geoid**12B**

**Iowa North Zone (1401)** Northing: **3555164.764sft** Easting: **4991293.159sft**  
 Mapping Angle: **0°10'31"** Combination Scale Factor: **0.9999212481**

**IaRCS Zone 4** Northing: **8501693.628sft** Easting: **14931034.252sft**  
 Mapping Angle: **1°04'35"** Combination Scale Factor: **1.0000067315**

**Monument Type:** 3-1/4" aluminum disk set in the top of a 12" dia. poured-in-place concrete monument.

