

City of Dubuque, Iowa

07/11/2020

Units: US Survey Feet

Point ID: 111

Stamping on Disk: GPS 111

NAD 83(NA2011) Latitude: **N42°29'53.98381"** Longitude: **W90°39'28.21261"**

NAVD 88 Ortho Height: **605.969sft** Ellip. Ht: **499.033sft** Geoid18(Conus)

Horizontal Datum: NAD 83(NA2011) - Vertical Datum: NAVD 1988

Iowa North Zone (1401) Northing: **3657529.294sft** Easting: **5687565.626sft**

Mapping Angle: **1°55'34.5"** Combination Scale Factor: **0.9999258609**

Iowa Regional Coordinate System, Zone 5, Waterloo LCC

IaRCS Zone 5 Northing: **8419277.487sft** Easting: **21466421.935sft**

Mapping Angle: **-0°05'02.8"** Combination Scale Factor: **1.0000044330**

GPS #111 REFERENCE TIES	
GPS #111, PLACED 5/8" X 16'0" ALUMINUM ROD WITH ALUMINUM CAP, STAMPED "GPS 111", AND ACCESS COVER, 7" DEEP, MON. 7" BELOW ACCESS COVER.	
ELEV. = 606.215 NAVD-88	
N. 3657529.1036 E. 5687566.0616 U.S. SURVEY FEET NAD-83 (1991)	
SCALE FACTOR	0.9999249714
CONVERGENCE	01°55'34.54"

