

Nevada Coordinate Reference System (NCRS) Specifications

Datum

North American Datum of 1983 (NAD 83)

GRS 80 Ellipsoid

Parameters: $a = 6378137$ (exact)
 $1/f = 298.25722210088$

Low-distortion Projections (LDP's)

Las Vegas Zone (NCRS, Las Vegas Zone)

Transverse Mercator Projection

Standard Parallel & Grid Origin: $36^{\circ}15'00''$ N
Central Meridian: $114^{\circ}58'00''$ W
False northing: 200,000 m
656,166.6667 feet (US)
False easting: 100,000 m
328,083.3333 feet (US)
Standard Parallel Scale: 1.0001 (exact)

Las Vegas High Elevation Zone (NCRS, LV High Elev Zone)

Transverse Mercator Projection

Standard Parallel & Grid Origin: $36^{\circ}15'00''$ N
Central Meridian: $114^{\circ}58'00''$ W
False northing: 400,000 m
1,312,333.3333 feet (US)
False easting: 300,000 m
984,250.0000 feet (US)
Standard Parallel Scale: 1.000135 (exact)