		Properties							Suitable Extent						Location or Shape						General Purpose					
Projection Name	**Type**	Conformal	Equal Area	Equidistant*	True Direction*	Perspective	Compromise	Straight Rhumbs	World	Hemisphere	Continent/Ocean	Region/Sea	Medium Scale	Large Scale	North/South	East/West	Oblique	Equatorial	Midlatitude	Polar/Circular	Topographic	Geologic	Thematic	Presentation	Navigation	USGS
Aitoff	Modified Azimuthal	~	~				✓		✓															✓		
Alaska Series E	Pseudocylindrical												✓								✓					✓
Modified Stereographic Conformal	Modified Planar	✓											✓													✓
Albers Equal Area Conic	Conic		✓								✓	✓	✓			✓			✓				✓	✓		✓
Azimuthal Equidistant	Planar			✓	✓				~	✓	✓	✓		~				✓	✓	✓	✓				✓	✓
Behrmann Equal Area Cylindrical	Cylindrical		✓						✓															✓		
Bipolar Oblique Conformal Conic	Conic (Oblique)	✓									✓											✓		✓		✓
Bonne	Pseudoconic		✓								✓				~											
Cassini-Soldner	Cylindrical													✓	✓						✓					
Chamberlin Trimetric	Modified Planar			~							✓															
Craster Parabolic	Pseudocylindrical		✓						✓																	
Cylindrical Equal Area	Cylindrical		✓		✓											✓		✓						✓		
Double Stereographic	Planar	✓			✓	✓				✓	✓	✓						✓	✓	✓		✓			✓	✓
Eckert I	Pseudocylindrical																									
Eckert II	Pseudocylindrical		✓																							
Eckert III	Pseudocylindrical								✓														✓			
Eckert IV	Pseudocylindrical		✓						✓														✓			
Eckert V	Pseudocylindrical								✓														✓			
Eckert VI	Pseudocylindrical		✓						✓														✓			
Equidistant Conic	Conic			✓							~	✓				✓			✓					✓		
Equirectangular	Cylindrical			✓										✓												✓
Gall's Stereographic	Cylindrical					✓			~															✓		
Gauss-Kruger	Cylindrical (Transverse)	✓									✓	✓	✓	✓	✓			✓	✓		✓	✓				✓
Geocentric	Spherical												✓	✓												
Geographic	Spherical	✓	✓	✓	✓				✓														✓	✓		
Gnomonic	Planar				✓	✓						~						✓	✓	✓				✓	✓	
Great Britain National Grid	Cylindrical	✓										✓	✓	✓	✓						✓	✓				
Hammer-Aitoff	Modified Planar		✓						✓														✓	✓		
Hotine Oblique Mercator	Cylindrical (Oblique)	✓									✓	✓	✓	✓			✓				✓					✓
Krovak	Conic	✓			~						✓	✓	✓	✓			✓				✓	✓		✓	✓	
Laborde	Cylindrical (Oblique)	✓									✓	✓	✓	✓			✓				✓					
Lambert Azimuthal Equal Area	Planar		✓		✓					✓	✓	✓						✓	✓	✓			✓	✓	✓	✓
Lambert Conformal Conic	Conic	✓			~						✓	✓	✓	✓		✓			✓		✓	✓		✓	✓	✓
Lambert Conformal Conic (Oblique)	Conic	✓			~						✓	✓	✓	✓			✓				✓	✓		✓	✓	
Local Cartesian System	Planar													✓												
Loximuthal	Pseudocylindrical							✓																	✓	
McBryde-Thomas Flat Polar Quartic	Pseudocylindrical		✓						✓																	
Mercator	Cylindrical	✓						✓	~			✓	✓	✓		✓		✓			✓	✓			✓	✓
Miller Cylindrical	Cylindrical						✓		✓														✓			✓
Mollweide	Pseudocylindrical		✓						✓														✓			
New Zealand Grid	Modified Cylindrical	✓											✓	✓			✓				✓	✓				
Oblique Mercator	Cylindrical (Oblique)	✓									✓	✓	✓	✓			✓				✓					✓
Orthographic	Planar				✓	✓				✓	✓							✓	✓	✓				✓		✓
Plate-Carée	Cylindrical			✓										✓												✓
Polar Stereographic	Planar	✓			✓	~				✓	✓		✓							✓	✓			✓		✓
Polyconic	Conic			~			✓						~	~	✓						✓					✓
Quartic Authalic	Pseudocylindrical		✓						✓														✓			
Robinson	Pseudocylindrical						✓		✓														✓	✓		
Rectified Skew Orthomorphic	Cylindrical (Oblique)	✓											✓	✓			✓				✓					
Simple Conic	Conic			✓							~	✓				✓			✓					✓		
Sinusoidal	Pseudocylindrical		✓	~					✓		✓				✓			✓					✓			✓
Space Oblique Mercator	Modified Cylindrical	~												✓							✓					✓
State Plane **		✓											✓	✓							✓	✓		✓		✓
Stereographic	Planar	✓			✓	✓				✓	✓	✓						✓	✓	✓		✓			✓	✓
Times	Pseudocylindrical						✓		✓														✓	✓		
Transverse Mercator	Cylindrical (Transverse)	✓									✓	✓	✓	✓	✓			✓	✓		✓	✓				✓
Two Point Equidistant	Modified Planar			✓					~		✓	✓					✓						✓		~	
Universal Polar Stereographic	Planar	✓			✓	~					✓	✓	✓	✓						✓	✓	✓		✓		✓
Universal Transverse Mercator	Cylindrical (Transverse)	✓										✓	✓	✓	✓			✓	✓		✓					✓
Van der Grinten I	Circular						✓		~															✓		✓
Vertical Near-side Perspective	Planar				✓	✓					✓	✓						✓	✓	✓				✓		
Winkel I	Pseudocylindrical								✓																	
Winkel II	Pseudocylindrical								✓																	
Winkel Tripel	Modified Planar						✓		✓														✓			

✓= Minimal Distortion
~ = Distortion is moderate for most of the area
* = Distortion is minimal in certain directions or at particular points
**= See Lambert Conformal Conic, Transverse Mercator, and Hotine Oblique Mercator

Adapted from *Map Projections,* a USGS poster.