

Preliminary SPCS2022 parameters and projected coordinate bounds for statewide zone and one multiple-zone, along with UTM and SPCS 83 parameters and bounds for comparison. Projection axis is central parallel (origin latitude) of Lambert Conformal Conic (LCC) projections and central meridian of Transverse Mercator (TM) projections.

Zone type	Entire state		Multiple-zone (west central)		
System	SPCS2022	Existing UTM	SPCS2022 (alt 1)	SPCS2022 (alt 2)	Existing SPCS 83
Zone name	Statewide	13 North	West Central		West Central
Zone abbreviation	WY	UTM 13N	WY WC		WY WC
SPCS zone code	560001	n/a	561003		4903
Projection type	LCC	TM	TM	TM	TM
<i>Projection parameters</i>					
Origin latitude	43°06'N	0°00'	40°30'N	40°30'N	40°30'N
Central meridian (E)	252°30'E	255°00'E	251°00'E	250°51'E	251°15'E
Central meridian (W)	107°30'W	105°00'W	109°00'W	109°09'W	108°45'W
Projection axis scale	1	0.9996	1.00026	1.00025	0.9999375
False northing (m)	400,000	0	0	0	0
False easting (m)	500,000	500,000	300,000	300,000	600,000
<i>Approximate bounding coordinates of box enclosing zone (meters)</i>					
SW corner northing	172,496	4,555,905	57,337	57,051	57,844
SW corner easting	200,943	-9,230	127,122	139,749	406,142
NE corner northing	617,300	4,983,944	501,704	501,928	501,208
NE corner easting	771,839	574,635	418,108	429,936	698,361
<i>Approximate bounding coordinates of box enclosing zone (international feet)</i>					
SW corner northing	565,930	14,947,195	188,115	187,174	189,777
SW corner easting	659,261	-30,282	417,067	458,493	1,332,488
NE corner northing	2,025,264	16,351,524	1,646,009	1,646,746	1,644,383
NE corner easting	2,532,282	1,885,285	1,371,745	1,410,550	2,291,211