Quick Notes on Map Projections in ArcGIS					Properties								Exte	nt	
 Minimal Distortion Distortion is moderate for most of the area Distortion is minimal in certain directions or at particular points 						nc*	mbs		entire world			Continent/Ocean			
Adapted from USGS Map Projections poster.	△ TUE	a l	ea	nise	ınt*	iğ.	Rhu	pe			ere	140	ea	e	-
November 2019	esri THE SCIENCE OF WHERE		Equal Area	Compromise	Equidistant*	True Direction*	Straight Rhumbs	Interrupted	Shows the	þ	Hemisphere	tinen	Region/Sea	Large Scale	
Projection	Туре	Conformal	Equ?	Com	Equi	True	Strai	Intel	Sho	World	Herr	Cont	Regi	Larg	
Adams square II	Modified azimuthal	•					0,		•	•					t
Aitoff	Modified azimuthal			•					•	•					T
Albers equal area conic	Conic		•						•			•	•	•	t
Aspect-adaptive cylindrical	Cylindrical			•					•	•			Т		T
Azimuthal equidistant	Azimuthal				•	•			•	0	•	•	•	•	t
Behrmann equal area cylindrical	Cylindrical		•						•	•			Т		T
Berghaus Star	Faceted					0		•	•	•					t
Bonne	Pseudoconic		•						•			•	•		T
Cassini	Cylindrical (transverse)				•									•	t
Compact Miller	Cylindrical			•					•	•					T
Craster parabolic	Pseudocylindrical		•						•						t
Cube	Faceted							•	•	0			T		t
Cylindrical equal area	Cylindrical		•						•				•	•	t
Double stereographic	Azimuthal	•				•						•	•	•	T
Eckert I	Pseudocylindrical			•					•	0					t
Eckert II	Pseudocylindrical		•						•	0					t
Eckert III	Pseudocylindrical			•					•	•					t
Eckert IV	Pseudocylindrical		•						•	•					t
Eckert V	Pseudocylindrical			•					•	0					t
Eckert VI	Pseudocylindrical		•						•	0			1		T
Eckert-Greifendorff	Modified azimuthal		•						•	0					t
Equal Earth	Pseudocylindrical		•						•	•					t
Equidistant conic	Conic				•				•			0	•	•	t
Equidistant cylindrical	Cylindrical				•				•						t
Fuller	Faceted				Ť			•		0			Ť	Ť	t
Gall's stereographic	Cylindrical			•						0					t
Gauss-Krüger	Cylindrical (transverse)			Ť					Ť	H					t
Geostationary satellite	Azimuthal										•	•			t
Gnomonic	Azimuthal					•					j		0	0	t
Goode homolosine	Pseudocylindrical		•					•	•	0			Ť	Ť	t
Hammer	Modified azimuthal									•					+
Hotine oblique Mercator	Cylindrical (oblique)	•													t
GAC Plano Cartesiano	Modified azimuthal												Ť		+
(rovak	Conic (oblique)	•													+
aborde oblique Mercator	Cylindrical (oblique)														+
ambert azimuthal equal area	Azimuthal		•			•			•			•			+
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ocal Cartesian	Azimuthal	•											Ť		+
ocai Cartesian oximuthal				_										Ļ	ł
	Pseudocylindrical									_					+
AcBryde-Thomas flat-polar quartic	·		•			_				0			-		+
Mercator	Cylindrical	•				•	•						+	\vdash	4
Ailler cylindrical	Cylindrical			•					lacksquare	0	<u> </u>	Щ		Щ	⊥