Illinois State Geological Survey
Geologic Map Data Dictionary (GIS) - Version 20090212
Field Definitions - Abbreviated List
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Feature Class / Table	Field Name	Domain	Description
Cross_Section_Ln			
	CSID	CapitalLetters	The designation of the cross-section on the map, e.g. A, B, C.
	CSSymbolID	CrossSectionSymbol	The text name of the related symbol in the related cartographic style.
	CSTrend	TrendDirection	The general linear trend of the cross-section reported as one of 16 cardinal compass directions. Bearing in degrees in not used because it is too precise for lines that may be irregular in shape.
	CSUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. cross-section images.
	LastUpdate	ValidDates	Date of last update.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.
Field_Note_Pt			
	FNDesc	Free text	The legend text that appears on the map for the field note.
	FNLabel	Free text	The label used on the map.
	FNSymbolID	FieldNoteSymbol	The text name of the related symbol in the related cartographic style.
	FNSymRot	CircularDegrees	Value for cartographic rotation of map symbol in degrees, measured clockwise from north = 0.
	FNUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. field note details.
	LastUpdate	ValidDates	Date of last update.
	MapperID	Free text	The ID assigned by the mapper during data development. Can be API number or any value mapper wants to use.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.

Feature Class / Table	Field Name	Domain	Description
Geo_Structure_Ln			
	GSAttitude	Free text	Optional information about the relative movement or attitude of the structure.
	GSClass	StructureClass	The general classification, e.g. fault, fold, etc.
	GSDesc	Free text	The legend text that appears on the map for the structure.
	GSLabel	Free text	The label used on the map.
	GSName	Free text	The name of the structure, if any.
	GSSubClass	StructureSymbol	The specific classification, e.g. thrust fault, strike-slip fault, anticline, doubly plunging anticline, etc.
	GSSymbolID	StructureSymbol	The text name of the related symbol in the related cartographic style.
	GSUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. a lexicon of geologic structures.
	LastUpdate	ValidDates	Date of last update.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.
Geo_Structure_Pt			
	GSAttitude	Free text	Optional information about the relative movement or attitude of the structure.
	GSClass	StructureClass	The general classification, e.g. fault, fold, etc.
	GSDesc	Free text	The legend text that appears on the map for the structure.
	GSLabel	Free text	The label used on the map.
	GSName	Free text	The name of the structure, if any.
	GSSubClass	StructureSymbol	The specific classification, e.g. thrust fault, strike-slip fault, anticline, doubly plunging anticline, etc.
	GSSymbolID	StructureSymbol	The text name of the related symbol in the related cartographic style.
	GSUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. a lexicon of geologic structures.
	LastUpdate	ValidDates	Date of last update.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.

Feature Class / Table	Field Name	Domain	Description
Geo_Structure_Py			
	GSAttitude	Free text	Optional information about the relative movement or attitude of the structure.
	GSClass	StructureClass	The general classification, e.g. fault, fold, etc.
	GSDesc	Free text	The legend text that appears on the map for the structure.
	GSLabel	Free text	The label used on the map.
	GSName	Free text	The name of the structure, if any.
	GSSubClass	StructureSymbol	The specific classification, e.g. thrust fault, strike-slip fault, anticline, doubly plunging anticline, etc.
	GSSymbolID	StructureSymbol	The text name of the related symbol in the related cartographic style.
	GSUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. a lexicon of geologic structures.
	LastUpdate	ValidDates	Date of last update.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.
Geo_Unit_Contact_Ln			
	GCSymbolID	ContactSymbol	The text name of the related symbol in the related cartographic style.
	GCType	ContactSymbol	Designation of the contact type, for example, observed, inferred, buried, etc.
	LastUpdate	ValidDates	Date of last update.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.

Feature Class / Table	Field Name	Domain	Description
Geo_Unit_Legend_Tb			
	GUAbbrev	GeoUnitAbbrev	The abbreviation used on the map to indicate the geologic unit.
	GUAge	Free text	The qualitative geologic age of the geologic unit, using a term from a stratigraphic, geochronologic, diachronic (etc.) classification.
	GUInterp	Free text	Interpretation portion of legend.
	GUMatDesc	Free text	The material description portion of map legend for the geologic unit.
	GUMaxThick	PositiveIntegers	Maximum thickness value for range of unit thickness.
	GUMinThick	NonNegativeIntegers	Minimum thickness value for range of unit thickness.
	GUName	Free text	Unit name as it appears in map legend.
	GUSymbolID	GeoUnitSymbol	The text name of the related symbol in the related cartographic style.
	GUThckUnit	LinearUnits	The linear units in which thickness is measured, e.g. meter, foot.
	GUUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. the geologic unit legend table.
	LastUpdate	ValidDates	Date of last update.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.
Geo_Unit_Ln			
	GLSymbolID	GeoUnitLineSymbol	The text name of the related symbol in the related cartographic style.
	GUAbbrev	GeoUnitAbbrev	The abbreviation used on the map to indicate the geologic unit.
	GULabel	Free text	The abbreviation as shown on map to indicate the geologic unit.
	GUUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. the geologic unit legend table.
	LastUpdate	ValidDates	Date of last update.
	UpdatedBy	StaffName	Identity of last person to change the information.
Geo_Unit_Py			
	GUAbbrev	GeoUnitAbbrev	The abbreviation used on the map to indicate the geologic unit.
	GULabel	Free text	The abbreviation as shown on map to indicate the geologic unit.
	GUUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. the geologic unit legend table.
	LastUpdate	ValidDates	Date of last update.
	UpdatedBy	StaffName	Identity of last person to change the information.

Feature Class / Table	Field Name	Domain	Description
Geophys_Profile_Ln			
	GPDesc	Free text	The legend text that appears on the map for the geophysical profile line.
	GPID	Free text	The designation of the profile on the map if any, e.g. A, B, C.
	GPSymbolID	GeophysSymbol	The text name of the related symbol in the related cartographic style.
	GPTrend	TrendDirection	The general linear trend of the profile reported as one of 16 cardinal compass directions. Bearing in degrees in not used because it is too precise for lines that may be irregular in shape.
	GPUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. geophysical profiles.
	LastUpdate	ValidDates	Date of last update.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.
Landform_Ln			
	LastUpdate	ValidDates	Date of last update.
	LFDesc	Free text	The legend text that appears on the map for the land form.
	LFLabel	Free text	The label used on the map.
	LFSymbolID	LandformSymbol	The text name of the related symbol in the related cartographic style.
	LFUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. a lexicon of land forms.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.
Landform_Pt			
	LastUpdate	ValidDates	Date of last update.
	LFDesc	Free text	The legend text that appears on the map for the land form.
	LFLabel	Free text	The label used on the map.
	LFSymbolID	LandformSymbol	The text name of the related symbol in the related cartographic style.
	LFUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. a lexicon of land forms.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.

Feature Class / Table	Field Name	Domain	Description
Landform_Py			
	LastUpdate	ValidDates	Date of last update.
	LFDesc	Free text	The legend text that appears on the map for the land form.
	LFLabel	Free text	The label used on the map.
	LFSymbolID	LandformSymbol	The text name of the related symbol in the related cartographic style.
	LFUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. a lexicon of land forms.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.
Loess_Thickness_Ln			
	LastUpdate	ValidDates	Date of last update.
	LTSymbolID	LoessThicknessSymbol	The text name of the related symbol in the related cartographic style.
	LTThckUnit	LinearUnits	The linear units in which thickness is measured, e.g. meter, foot.
	LTThick	NonNegativeIntegers	The thickness value for a loess thickness contour.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.
Loess_Thickness_Py			
	LastUpdate	ValidDates	Date of last update.
	LTMaxThick	PositiveIntegers	The maximum thickness of a loess unit shown in polygon form.
	LTMinThick	NonNegativeIntegers	The minimum thickness of a loess unit shown in polygon form.
	LTSymbolID	LoessThicknessSymbol	The text name of the related symbol in the related cartographic style.
	LTThckUnit	LinearUnits	The linear units in which thickness is measured, e.g. meter, foot.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.

Feature Class / Table	Field Name	Domain	Description
Mine_Ln			
	LastUpdate	ValidDates	Date of last update.
	MapperID	Free text	The ID assigned by the mapper during data development. Can be API number or any value mapper wants to use.
	MIDesc	Free text	The legend text that appears on the map for the mine.
	MILabel	Free text	The label used on the map.
	MISymbolID	MineSymbol	The text name of the related symbol in the related cartographic style.
	MIUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. mine details.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.
Mine_Pt			
	LastUpdate	ValidDates	Date of last update.
	MapperID	Free text	The ID assigned by the mapper during data development. Can be API number or any value mapper wants to use.
	MIDesc	Free text	The legend text that appears on the map for the mine.
	MILabel	Free text	The label used on the map.
	MISymbolID	MineSymbol	The text name of the related symbol in the related cartographic style.
	MISymRot	CircularDegrees	Value for cartographic rotation of map symbol in degrees, measured clockwise from north = 0.
	MIUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. mine details.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.

Feature Class / Table	Field Name	Domain	Description
Mine_Py			
	LastUpdate	ValidDates	Date of last update.
	MapperID	Free text	The ID assigned by the mapper during data development. Can be API number or any value mapper wants to use.
	MIDesc	Free text	The legend text that appears on the map for the mine.
	MILabel	Free text	The label used on the map.
	MISymbolID	MineSymbol	The text name of the related symbol in the related cartographic style.
	MIUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. mine details.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.
Outcrop_Ln			
	LastUpdate	ValidDates	Date of last update.
	MapperID	Free text	The ID assigned by the mapper during data development. Can be API number or any value mapper wants to use.
	OCBedrock	Boolean	Indicates if the outcrop penetrates at least to the top of the bedrock surface. This field is primarily used for outcrops on surficial maps.
	OCDesc	Free text	The legend text that appears on the map for the outcrop.
	OCLabel	Free text	The label used on the map.
	OCSymbolID	OutcropSymbol	The text name of the related symbol in the related cartographic style.
	OCUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. outcrop details.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.

Feature Class / Table	Field Name	Domain	Description
Outcrop_Pt			
	LastUpdate	ValidDates	Date of last update.
	MapperID	Free text	The ID assigned by the mapper during data development. Can be API number or any value mapper wants to use.
	OCBedrock	Boolean	Indicates if the outcrop penetrates at least to the top of the bedrock surface. This field is primarily used for outcrops on surficial maps.
	OCDesc	Free text	The legend text that appears on the map for the outcrop.
	OCLabel	Free text	The label used on the map.
	OCSymbolID	OutcropSymbol	The text name of the related symbol in the related cartographic style.
	OCSymRot	CircularDegrees	Value for cartographic rotation of map symbol in degrees, measured clockwise from north = 0.
	OCUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. outcrop details.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.
Outcrop_Py			
	LastUpdate	ValidDates	Date of last update.
	MapperID	Free text	The ID assigned by the mapper during data development. Can be API number or any value mapper wants to use.
	OCBedrock	Boolean	Indicates if the outcrop penetrates at least to the top of the bedrock surface. This field is primarily used for outcrops on surficial maps.
	OCDesc	Free text	The legend text that appears on the map for the outcrop.
	OCLabel	Free text	The label used on the map.
	OCSymbolID	OutcropSymbol	The text name of the related symbol in the related cartographic style.
	OCUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. outcrop details.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.

Feature Class / Table	Field Name	Domain	Description
Structure_Attitude_Pt			
	LastUpdate	ValidDates	Date of last update.
	MapperID	Free text	The ID assigned by the mapper during data development. Can be API number or any value mapper wants to use.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	SAAzimuth	CircularDegrees	Azimuth in degrees of the linear aspect of the structure, measured clockwise from north = 0.
	SADesc	Free text	The legend text that appears on the map for the structural attitude feature.
	SADip	RightAngleDegrees	Dip value in degrees
	SADipDir	CircularDegrees	Azimuth of the dip direction in degrees, measured clockwise from north = 0.
	SALabel	Free text	The label used on the map.
	SANotation	Letters N, S, E, W, digits 0-9, and one space	Traditional notation of the measurement.
	SASymbolID	StructureAttitudeSymbol	The text name of the related symbol in the related cartographic style.
	SASymRot	CircularDegrees	Value for cartographic rotation of map symbol in degrees, measured clockwise from north = 0.
	SAUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. other structural attitude measurements.
	UpdatedBy	StaffName	Identity of last person to change the information.
Structure_Contour_Ln			
	LastUpdate	ValidDates	Date of last update.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	SCElev	Whole numbers	The elevation value for a structure surface contour.
	SCElevUnit	LinearUnits	The linear units in which elevation is measured, e.g. meter, foot.
	SCSurface	GeoUnitSurface	Indicates which surface of a geologic unit was contoured, i.e. top or bottom.
	SCSymbolID	ContourSymbol	The text name of the related symbol in the related cartographic style.
	SCUnit	Free text	The name of the geologic unit to which the structural contours apply.
	UpdatedBy	StaffName	Identity of last person to change the information.

Feature Class / Table	Field Name	Domain	Description
Well_Boring_Pt			
	LastUpdate	ValidDates	Date of last update.
	MapperID	Free text	The ID assigned by the mapper during data development. Can be API number or any value mapper wants to use.
	PubID	Letters and digits only, underscore if needed.	The exact catalog designation of the publication as determined by the ISGS Library, for example IPGMAntiochSG or IGQSpringBaySG or OFS2005_14.
	UpdatedBy	StaffName	Identity of last person to change the information.
	WBAcc100	Boolean	Indicates if the location of the boring as shown on the map is accurate to within 100 feet.
	WBBedrock	Boolean	Indicates if the boring penetrates at least to the top of the bedrock surface.
	WBCSG	CSGDesignation	Indicates if the boring has related cores, samples and geophysical logs.
	WBDesc	Free text	The legend text that appears on the map for the boring data point.
	WBDpthUnit	LinearUnits	The linear units in which depth is measured, e.g. meter, foot.
	WBLabelLL	Free text	The label used on the map to the lower left of the point.
	WBLabelLR	Free text	The label used on the map to the lower right of the point.
	WBLabelUL	Free text	The label used on the map to the upper left of the point.
	WBLabelUR	Free text	The label used on the map to the upper right of the point.
	WBSymbolID	WellBoringSymbol	The text name of the related symbol in the related cartographic style.
	WBSymRot	CircularDegrees	Value for cartographic rotation of map symbol in degrees, measured clockwise from north = 0.
	WBTotDepth	PositiveIntegers	Total depth of the boring.
	WBUID	Hexidecimal 26-character GUID	The unique ID for database relationships, e.g. boring details.

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