Differences between USGS OFR2010-1335 NCGMP definition with AZGS implementation in ncgmp-wgs84.gdb; also compare DGM72 ArmentaWell.mdb

# Feature dataset

OFR2010-1335 has a single feature dataset for all Geologic data related to the map; AZGS scheme puts station-related data in a separate feature dataset. This should have no significant impact?

# Mandatory Tables and feature classes:

MapUnitPolys: RuleID and Override not included in AZGS implementation ("If Cartographic Representations are used, this field is required; otherwise it is not included in the table" OFR2010-1335, p. 109)

ContactsAndFaults: 'Symbol', implemented as Long Integer and functions as RuleID in ESRI geodatabase; ContactAndFaults table in OFR2010-1335 does not specify a data type for the Symbol field, so it defaults to type=string (OFR2010-1335, p. 103). RuleID field not included in AZGS implementation; IsConcealed should be a text field with domain {'N', 'Y'}, it is implemented as a short integer with an ESRI domain that maps 0='No', 1='Yes'.

DataSourcePoly: no differences.

DescriptionOfMapUnits: GeneralLithology is named GeneralLithologyTerm; Change name to GeneralLithology. Symbol field is absent; add Symbol field (text)

DataSources: no differences

Glossary—no differences

# AS NEEDED Tables and feature classes

CartographicLines: no RuleID, override;

Point feature class properties:

* Samples: **add** MapUnit field; **add** LocationSourceID in addition to DataSourceID; no sample fields included (FieldSampleID, AlternateSampleID, MaterialAnalyzed)
* OrientationPoints: **add** MapUnit; **add** LocationSourceID in addition to DataSourceID; Symbol is implemented as Long integer and used as the RuleID for ESRI Geodatabase; **change** Symbol to string and add RuleID if necessary.
* Stations table **add** MapUnit property; ObservedMapUnit is not in table but is nilable; **add** LocationSourceID in addition to DataSourceID; change PK field name from StationPoint\_ID to 'Stations\_ID'.

GeologicLines: renamed OtherLines in AZGS, **change** to GeologicLines ; missing IsConcealed; RuleID is renamed Symbol. Add IsConcealed, RuleID; change Symbol to text field.

OtherPolys: AZGS name is OverlayPolys, **change** name to OtherPolys; Primary key **change** from OverlayPoly\_ID to OtherPolys\_ID. Change **MapUnit** to Type; **add** RuleID and Override. Add Type, RuleID, Override