AGS FORMAT 3RD EDITION

Appendix B

Guidance for use of AGS Format 3rd Edition

Pick Lists

Appendix B – Pick Lists

Pick Lists are provided in Appendix 1 of the AGS Format 3rd Edition. As stipulated, all codes used in any Groups must be defined in the ABBR or CODE Group (the latter for use with CNMT Group).

Additional standard abbreviation codes for use in Hong Kong are given for the headings: HOLE_LOCM, HOLE_TYPE and GEOL_LEG. It is recommended that Geotechnical practitioners in Hong Kong using the AGS format should adhere to the standard codes provided in the 3rd Edition document supplemented by these Hong Kong standard codes. If any users have established additional abbreviations, they are requested to send them to us for compilation so that we can share them with all AGS users in Hong Kong.

The Heading GEOL_LEG (Geological Legend) is intended as a special code to represent geology by graphical symbols (i.e. “material code”). It is widely used to portray geological material present in the legend area of the log . AGS (3rd Edition) does not specify any particular scheme - as this must be agreed between the data supplier and end-user, and will be specific to a particular software.

The codes listed in this document were originally derived to suit particular software (GCA's gINT program) that is widely used Hong Kong; the codes are applicable to other programs too. For soil legends based on particle size it is recommended that only two, or at most three, elements are represented in the legend graphic; the code then would similarly include no more than three constituents (e.g. sandy clay with gravel - CLAYSG). We are aware that some practitioners in Hong Kong use the Geological Legend to form an abbreviation of all the subsidiary elements in a soil layer. However, we consider that the resulting graphic symbols would be too complex to be distinct. Codes comprising four elements therefore are not recommended but can be used on an individual contract basis if agreed between the supplier and receiver of the data.

Group Name : ABBR - Abbreviations 'Pick' List		
ABBR_HDNG	ABBR_CODE	ABBR_DESC
HOLE_LOCM	dGPS	Differential GPS
HOLE_LOCM	GPS	GPS (Standard, non-differential)
HOLE_LOCM	LL	Line and Level
HOLE_LOCM	OS	Optic Surveying
HOLE_LOCM	PC	Pace and Compass
HOLE_TYPE	CO	Corehole
HOLE_TYPE	CPT	Cone Penetration Test
HOLE_TYPE	DH	Drillhole or Founding Prebore
HOLE_TYPE	UTP	Utility Trial Pit
GEOL_LEG	AGGLOM	Pyroclastic Breccia (volcanic ash, agglomerate)
GEOL_LEG	ASPHALT	Asphalt
GEOL_LEG	BASALT	Basalt
GEOL_LEG	BIOCLAST	Shells, Bioclastic Remains
GEOL_LEG	BLANK	No Pattern
GEOL_LEG	BLDRCBBL	Boulders and Cobbles
GEOL_LEG	BOULDERS	Boulders
GEOL_LEG	BRECCIA	Sedimentary Breccia
GEOL_LEG	CLAY	Clay
GEOL_LEG	CLAYG	Gravelly Clay
GEOL_LEG	CLAYO	Organic Clay
GEOL_LEG	CLAYS	Sandy Clay
GEOL_LEG	CLAYSG	Sandy Clay with gravel
GEOL_LEG	CLAYSO	Sandy Clay with organics
GEOL_LEG	CLAYSB	Sandy Clay with shells
GEOL_LEG	CLAYB	Shelly Clay
GEOL_LEG	CLAYZ	Silty Clay
GEOL_LEG	CLAYZG	Silty Clay with gravel
GEOL_LEG	CLAYZO	Silty Clay with organics
GEOL_LEG	CLAYZS	Sandy silty Clay
GEOL_LEG	CLAYZB	Silty Clay with shells
GEOL_LEG	CLAYSTON	Claystone
GEOL_LEG	COBBLES	Cobbles
GEOL_LEG	CONCRETE	Concrete
GEOL_LEG	CONGLOM	Conglomerate
GEOL_LEG	CORAL	Coral

Group Name : ABBR - Abbreviations 'Pick' List		
ABBR_HDNG	ABBR_CODE	ABBR_DESC
GEOL_LEG	DACITE	Dacite, Latite, Andesite, Trachyte, Trachyandesite
GEOL_LEG	DOLERITE	Dolerite
GEOL_LEG	DOLOMITE	Dolomitic Limestone
GEOL_LEG	EVAPORIT	Gypsum, Rocksalt, etc
GEOL_LEG	FAULT	Fault Breccia
GEOL_LEG	FILL	Artificial Fill; includes landfill, rock fill
GEOL_LEG	FISSIN	Fissure Infill
GEOL_LEG	GABBRO	Gabbro, Lamprophyre
GEOL_LEG	GNEISS	Gneiss, Coarse-grained metamorphic rock
GEOL_LEG	GRANITE	Granite, Coarse-grained Acid Igneous Rock
GEOL_LEG	GRAVCOBB	Gravel and Cobbles
GEOL_LEG	GRAV	Gravel
GEOL_LEG	GRAVC	Clayey Gravel
GEOL_LEG	GRAVO	Peaty Gravel
GEOL_LEG	GRAVS	Sandy Gravel
GEOL_LEG	GRAVZ	Silty Gravel
GEOL_LEG	GRAVSB	Sandy Gravel with shells
GEOL_LEG	GRAVZS	Silty Sandy Gravel
GEOL_LEG	LIMESTON	Limestone
GEOL_LEG	LSTSLT	Interbedded Limestone and Siltstone
GEOL_LEG	MARBLE	Yuen Long Marble
GEOL_LEG	METACON	Contact Metamorphic Rock
GEOL_LEG	METAREG	Regional Metamorphic Rock
GEOL_LEG	MUDSTONE	Mudstone
GEOL_LEG	PEAT	Peat
GEOL_LEG	PEATC	Clayey Peat
GEOL_LEG	PEATG	Gravelly Peat
GEOL_LEG	PEATS	Sandy Peat
GEOL_LEG	PEATZ	Silty Peat
GEOL_LEG	PEGMTITE	Very Coarse-grained Igneous Rock
GEOL_LEG	PHYLLITE	Phyllite, Mylonite (fine grained metamorphic rock)
GEOL_LEG	QUARTZIT	Quartzite, Coarse-grained Metamorphic Rock
GEOL_LEG	RHYOLITE	Rhyolite, Aplite, fine grained acid igneous rock
GEOL_LEG	SAND	Sand

Group Name : ABBR - Abbreviations 'Pick' List		
ABBR_HDNG	ABBR_CODE	ABBR_DESC
GEOL_LEG	SANDC	Clayey Sand
GEOL_LEG	SANDCG	Clayey Sand with gravel
GEOL_LEG	SANDCO	Clayey Sand with organics
GEOL_LEG	SANDG	Gravelly Sand
GEOL_LEG	SANDGB	Shelly gravelly Sand
GEOL_LEG	SANDO	Peaty Sand
GEOL_LEG	SANDB	Shelly Sand
GEOL_LEG	SANDZ	Silty Sand
GEOL_LEG	SANDCZ	Silty Clayey Sand
GEOL_LEG	SANDZG	Silty Sand with gravel
GEOL_LEG	SANDZO	Silty Sand with organics
GEOL_LEG	SANDZS	Silty Sand with shells
GEOL_LEG	SANDSTON	Sandstone
GEOL_LEG	SCHIST	Schist (Medium grained Metamorphic Rock)
GEOL_LEG	SHALE	Shale, Fissile Mudstone
GEOL_LEG	SILT	Silt
GEOL_LEG	SILTC	Clayey Silt
GEOL_LEG	SILTCG	Clayey Silt with gravel
GEOL_LEG	SILTCO	Clayey Silt with organics
GEOL_LEG	SILTCS	Sandy clayey Silt
GEOL_LEG	SILTCB	Clayey Silt with shells
GEOL_LEG	SILTG	Gravelly Silt
GEOL_LEG	SILTO	Organic Silt
GEOL_LEG	SILTS	Sandy Silt
GEOL_LEG	SILTSG	Sandy Silt with gravel
GEOL_LEG	SILTB	Shelly Silt
GEOL_LEG	SILTSTON	Siltstone
GEOL_LEG	SYENITE	Granodiorite, Syenite, Quartz Syenite, Monzonite
GEOL_LEG	TOPSOIL	Topsoil
GEOL_LEG	TUFF	Coarse Ash Tuff, Lapilli Tuff, Eutaxite
GEOL_LEG	TUFFFINE	Fine Ash Tuff