BCSIS 2011

Database Entity Relationship Diagram

Version: Draft

Date: October 20, 2011

PK not Unique
And Poor Data

New Coordinates
Were Created

To Be Removed?

SOILS_PROJECT

PK	PRO_PROJECT_ID	C-Variable Length(25)
	PRO_PROJECT_COMMENT	C-Variable Length(800)
	DataGroup	C-Variable Length(50)
	DataSource	C-Variable Length(254)

SOILS_SITE

PK	SITE_ID	C-Variable Length(7)
	SIT_SERIES	C-Variable Length(2)
	SIT_FORM_NUM	C-Variable Length(5)
	SIT_DATE_CREATED_	T-Date & Time
	SIT_DATE_DELETED_	T-Date & Time
	SIT_DATE_UPDATED_	T-Date & Time
	SIT_DATE_LAST_MICRO_	T-Date & Time
	SIT_VALIDATION_STATUS_	C-Variable Length(1)
	SIT_DATE_VALIDATED_	T-Date & Time
	SIT_PROMOTION_STATUS_	C-Variable Length(1)
	SIT_PROMOTION_DATE_	T-Date & Time
	SIT_PREV_FORM_SERIES_	C-Variable Length(2)
	SIT_PREV_FORM_FORM_NUM_	C-Variable Length(5)
	SIT_NEXT_FORM_SERIES_	C-Variable Length(2)
	SIT_NEXT_FORM_FORM_NUM_	C-Variable Length(5)
	SIT_SITEFLAG_	C-Variable Length(1)
	SIT_SOILFLAG_	C-Variable Length(1)
	SIT_LABFLAG_	C-Variable Length(1)
	SIT_HISTFLAG_	C-Variable Length(1)
	SIT_OTHSGFLG_	C-Variable Length(6)
	SIT_STNTFLAG_	C-Variable Length(1)
	SIT_DATE_GATHERED	T-Date & Time
	SIT_NTS_SHEET	C-Variable Length(8)
	SIT_DDLAT_NAD83	N-Floating Point
	SIT_DDLAT_NAD27	N-Floating Point
	SIT_LAT_PREC	N-Signed Integer
	SIT_DDLONG_NAD83	N-Floating Point
	SIT_DDLONG_NAD27	N-Floating Point
	SIT_LONG_PREC_	N-Signed Integer
	SIT_FLIGHT_LINE	C-Variable Length(7)
	SIT_PHOTO_NUM	C-Variable Length(3)
	SIT_ASPECT	C-Variable Length(3)
	SIT_SLOPE	N-Floating Point
	SIT_ELEVATION	C-Variable Length(4)
	SIT_ELEVATION_PREC	C-Variable Length(3)
	SIT_TERRAIN_YEAR	C-Variable Length(2)
	SIT_TEXTURE_1_A	C-Variable Length(1)
	SIT_TEXTURE_1_B	C-Variable Length(1)
	SIT_GEN_MAT_1	C-Variable Length(1)
	SIT_QUAL_DESC_1_A	C-Variable Length(1)
	SIT_QUAL_DESC_1_B	C-Variable Length(1)
	SIT_SURF_EXP_1_A	C-Variable Length(1)
	SIT_SURF_EXP_1_B	C-Variable Length(1)
	SIT_SURF_EXP_1_C	C-Variable Length(1)
	SIT_MOD_PROC_1	C-Variable Length(1)
	SIT_QUAL_DESC_1_C	C-Variable Length(1)
	SIT_QUAL_DESC_1_D	C-Variable Length(1)
	SIT_TEXTURE_2_A	C-Variable Length(1)
	SIT_TEXTURE_2_B	C-Variable Length(1)
	SIT_GEN_MAT_2	C-Variable Length(1)
	SIT_QUAL_DESC_2_A	C-Variable Length(1)
	SIT_QUAL_DESC_2_B	C-Variable Length(1)
	SIT_SURF_EXP_2_A	C-Variable Length(1)
	SIT_SURF_EXP_2_B	C-Variable Length(1)
	SIT_SURF_EXP_2_C	C-Variable Length(1)
	SIT_MOD_PROC_2	C-Variable Length(1)
	SIT_QUAL_DESC_2_C	C-Variable Length(1)
	SIT_QUAL_DESC_2_D	C-Variable Length(1)
	SIT_TEXTURE_3_A	C-Variable Length(1)
	SIT_TEXTURE_3_B	C-Variable Length(1)
	SIT_GEN_MAT_3	C-Variable Length(1)
	SIT_QUAL_DESC_3_A	C-Variable Length(1)
	SIT_QUAL_DESC_3_B	C-Variable Length(1)
	SIT_SURF_EXP_3_A	C-Variable Length(1)
	SIT_SURF_EXP_3_B	C-Variable Length(1)
	SIT_SURF_EXP_3_C	C-Variable Length(1)
	SIT_MOD_PROC_3	C-Variable Length(1)
	SIT_QUAL_DESC_3_C	C-Variable Length(1)
	SIT_QUAL_DESC_3_D	C-Variable Length(1)
	SIT_PHYS_SUB	C-Variable Length(4)
	SIT_CLS_SYSTEM	C-Variable Length(5)
	SIT_ZSFORREG	C-Variable Length(3)
	SIT_ZSFORSEC	C-Variable Length(2)
	SIT_ZSZONE	C-Variable Length(8)
	SIT_ZSSUBZ	C-Variable Length(2)
	SIT_ZSVAR	C-Variable Length(1)
	SIT_ZSPHASE	C-Variable Length(1)
	SIT_ECO_SYSTEM	C-Variable Length(5)
	SIT_ECO_ASSOC	C-Variable Length(2)
	SIT_ECO_SUBASSOC	C-Variable Length(1)
	SIT_ECO_TYPE	C-Variable Length(2)
	SIT_ECO_PHASE	C-Variable Length(1)
	SIT_VEG_SYSTEM	C-Variable Length(5)
	SIT_VEG_GENUS_1	C-Variable Length(4)
	SIT_VEG_SPECIES_1	C-Variable Length(3)
	SIT_VEG_VARIETY_1	C-Variable Length(1)
	SIT_VEG_GENUS_2	C-Variable Length(4)
	SIT_VEG_SPECIES_2	C-Variable Length(3)
	SIT_VEG_VARIETY_2	C-Variable Length(1)
	SIT_VEG_GENUS_3	C-Variable Length(4)
	SIT_VEG_SPECIES_3	C-Variable Length(3)
	SIT_VEG_VARIETY_3	C-Variable Length(1)
	SIT_VEG_GENUS_4	C-Variable Length(4)
	SIT_VEG_SPECIES_4	C-Variable Length(3)
	SIT_VEG_VARIETY_4	C-Variable Length(1)
	SIT_VEGCSYS_	C-Variable Length(5)
	SIT_SOIL_SYSTEM_YR	C-Variable Length(2)
	SIT_SOIL_CLASS	C-Variable Length(12)
	SIT_SOIL_PHASE_1	C-Variable Length(2)
	SIT_SOIL_PHASE_2	C-Variable Length(2)
	SIT_SOIL_PHASE_3	C-Variable Length(2)
	SIT_SOIL_PHASE_4	C-Variable Length(2)
	SIT_SOIL_FPS_1	C-Variable Length(3)
	SIT_SOIL_FPS_2	C-Variable Length(3)
	SIT_SITE_POS_MACRO	C-Variable Length(1)
	SIT_SITE_POS_MESO	C-Variable Length(1)
	SIT_SITE_SURF_SHAPE	C-Variable Length(1)
	SIT_MICRO_TOP	C-Variable Length(1)
	SIT_MESO_SLOPE_LEN	C-Variable Length(4)
	SIT_MESO_UPSLOPE_LEN	C-Variable Length(4)
	SIT_DIAGRAM_SERIES	C-Variable Length(2)
	SIT_DIAGRAM_FORM_NUM	C-Variable Length(5)
	SIT_DIAG_PHOTO_ROLL_NUM	C-Variable Length(2)
	SIT_DIAG_PHOTO_NUM	C-Variable Length(2)
	SIT_EXP_TYPE_1	C-Variable Length(1)
	SIT_EXP_TYPE_2	C-Variable Length(1)
	SIT_EXP_TYPE_3	C-Variable Length(1)
	SIT_ECO_MOIST_REGM	C-Variable Length(1)
	SIT_NUTRIENT_REGM	C-Variable Length(1)
	SIT_SOIL_TEMP_CLS	C-Variable Length(1)
	SIT_SOIL_MOIST_SUBCLS	C-Variable Length(1)
	SIT_SOIL_DRAINAGE	C-Variable Length(1)
	SIT_SOIL_PERV	C-Variable Length(1)
	SIT_FREE_WATER	C-Variable Length(1)
	SIT_FLOOD_HAZARD	C-Variable Length(1)
	SIT_DEPTH_WT	C-Variable Length(5)
	SIT_DEPTH_RE	C-Variable Length(4)
	SIT_DEPTH_RL	C-Variable Length(4)
	SIT_DEPTH_FL	C-Variable Length(5)
	SIT_DEPTH_BR	C-Variable Length(5)
	SIT_DEPTH_CB	C-Variable Length(4)
	SIT_DEPTH_SL	C-Variable Length(4)
	SIT_BEDROCK_TYPE_1	C-Variable Length(4)
	SIT_BEDROCK_TYPE_2	C-Variable Length(4)
	SIT_CRS_FRAG_LITH_1	C-Variable Length(4)
	SIT_CRS_FRAG_LITH_2	C-Variable Length(4)
	SIT_CRS_FRAG_LITH_3	C-Variable Length(4)
	SIT_CRS_FRAG_LITH_MX	C-Variable Length(1)
	SIT_SUCC_STAGE	C-Variable Length(3)
	SIT_RATE_SUCC	C-Variable Length(1)
	SIT_FISE_CODE_1	C-Variable Length(2)
	SIT_FISE_CODE_2	C-Variable Length(2)
	SIT_FISE_CODE_3	C-Variable Length(2)
	SIT_FISE_CODE_4	C-Variable Length(2)
	SIT_VEG_PLOT_AREA	N-Floating Point
	SIT_VEG_PLOT_SHAPE	C-Variable Length(1)
	SIT_VEG_PLOT_NUM_SP	C-Variable Length(2)
	SIT_VEG_PLOT_DIM_X	N-Floating Point
	SIT_VEG_PLOT_DIM_Y	N-Floating Point
	SIT_HUMUS_MOR_DESC_1	C-Variable Length(1)
	SIT_HUMUS_MOR_DESC_2	C-Variable Length(1)
	SIT_HUMUS_SUBGROUP	C-Variable Length(2)
	SIT_HUMUS_GREATGROUP	C-Variable Length(2)
	SIT_HUMUS_VARIANT_1	C-Variable Length(2)
	SIT_HUMUS_VARIANT_2	C-Variable Length(2)
	SIT_HUMUS_VARIANT_3	C-Variable Length(2)
	SIT_HUMUS_VARIANT_4	C-Variable Length(2)
	SIT_SURFACE_SUB_1	N-Floating Point
	SIT_SURFACE_SUB_2	N-Floating Point
	SIT_SURFACE_SUB_3	N-Floating Point
	SIT_SURFACE_SUB_4	N-Floating Point
	SIT_SURFACE_SUB_5	N-Floating Point
	SIT_SURFACE_SUB_6	N-Floating Point
	SIT_SURFACE_SUB_7	N-Floating Point
	SIT_PROFILE_STATUS	C-Variable Length(1)
	SIT_PROFILE_DEV_1	C-Variable Length(1)
	SIT_PROFILE_DEV_2	C-Variable Length(1)
	SIT_PROFILE_DEV_3	C-Variable Length(1)
	SIT_SOIL_MAP_UNIT	C-Variable Length(1)
	SIT_PROFILE_NUMBER	C-Variable Length(2)
	SIT_AGENCY_1	C-Variable Length(4)
	SIT_AGENCY_2	C-Variable Length(4)
	SIT_TYPE_SAMPLE	C-Variable Length(2)
	SIT_VSAMPCOD_	C-Variable Length(3)
	SIT_CLMSTNRL_	C-Variable Length(1)
	SIT_SLPTYP_	C-Variable Length(1)
	SIT_SLPCLASS_	C-Variable Length(1)
	SIT_SRFORCOM_	C-Variable Length(2)
	SIT_SRFMNCOM_	C-Variable Length(2)
	SIT_REACTCLS_	C-Variable Length(1)
	SIT_LIMNCLS_	C-Variable Length(1)
	SIT_PSTERRIC_	C-Variable Length(1)
	SIT_PERMEAB_	C-Variable Length(1)
	SIT_FLDINFIL_	C-Variable Length(1)
	SIT_ASSSOILT_	C-Variable Length(1)
	SIT_FLDSAMP_	C-Variable Length(1)
	SIT_LBSAMPPR_	C-Variable Length(1)
	SIT_SIZFRAC_	C-Variable Length(2)
	SIT_PROJECT_ID	C-Variable Length(25)
	SIT_PLOT_NUM	C-Variable Length(15)
	SIT_LOCATION	C-Variable Length(80)
	SIT_VEGCLASS_	C-Variable Length(80)
	SIT_SOIL_PHASE_OTH_1	C-Variable Length(20)
	SIT_SOIL_PHASE_OTH_2	C-Variable Length(20)
	SIT_SOIL_PHASE_OTH_3	C-Variable Length(20)
	SIT_EXP_OTHER	C-Variable Length(20)
	SIT_EXP_COMMENTS	C-Variable Length(50)
	SIT_PLOT_REP	C-Variable Length(150)
	SIT_BEDROCK_STRUC_1	C-Variable Length(35)
	SIT_BEDROCK_STRUC_2	C-Variable Length(35)
	SIT_SUCC_CLIMAX	C-Variable Length(30)
	SIT_FISE_CODE_FREE_1	C-Variable Length(40)
	SIT_FISE_CODE_FREE_2	C-Variable Length(40)
	SIT_PROFILE_DEV_OTHER	C-Variable Length(20)
	SIT_SOIL_NAME	C-Variable Length(20)
	SIT_ASSOC_SOIL_NAME	C-Variable Length(24)
	SIT_PROJECT_COORD	C-Variable Length(20)
	SIT_SURVEYOR	C-Variable Length(25)
	SIT_VEG_SAMP_TECHNQ	C-Variable Length(50)
	SIT_SITE_NOTE	C-Variable Length(600)
	SIT_CLMSTNNM_	C-Variable Length(16)
	SIT_MAPPOLY_	C-Variable Length(50)
	DataGroup	C-Variable Length(50)
	DataSource	C-Variable Length(254)
	QC_Corrections	C-Variable Length(500)

SOILS_SOIL

PK	SOIL_ID	C-Variable Length(7)
	SOI_SERIES	C-Variable Length(2)
	SOI_FORM_NUM	C-Variable Length(5)
	SOI_TEMP_DEPTH_1	N-Signed Integer
	SOI_TEMP_VALUE_1	N-Floating Point
	SOI_TEMP_DEPTH_2	N-Signed Integer
	SOI_TEMP_VALUE_2	N-Floating Point
	SOI_TEMP_DEPTH_3	N-Signed Integer
	SOI_TEMP_VALUE_3	N-Floating Point
	SOI_TEMP_DEPTH_4	N-Signed Integer
	SOI_TEMP_VALUE_4	N-Floating Point
	SOI_TEMP_DEPTH_5	N-Signed Integer
	SOI_TEMP_VALUE_5	N-Floating Point
	SOI_TEMP_DEPTH_6	N-Signed Integer
	SOI_TEMP_VALUE_6	N-Floating Point
	SOI_TEMP_DEPTH_7	N-Signed Integer
	SOI_TEMP_VALUE_7	N-Floating Point
	SOI_TEMP_DEPTH_8	N-Signed Integer
	SOI_TEMP_VALUE_8	N-Floating Point
	SOI_SOIL_COMMENT	C-Variable Length(600)
	DataGroup	C-Variable Length(50)
	DataSource	C-Variable Length(254)

SOILS_SOIL_HORIZON

PK	HORIZON_ID	C-Variable Length(8)
	SOIL_ID	C-Variable Length(7)
	SOH_SERIES	C-Variable Length(2)
	SOH_FORM_NUM	C-Variable Length(5)
	SOH_HORIZON	C-Variable Length(1)
	SOH_DISCONTINUITY	C-Variable Length(4)
	SOH_DESIGNATION	C-Variable Length(3)
	SOH_SUFFIX_1	C-Variable Length(2)
	SOH_SUFFIX_2	C-Variable Length(2)
	SOH_SUFFIX_3	C-Variable Length(2)
	SOH_SUFFIX_4	C-Variable Length(2)
	SOH_SUBDIVISION	C-Variable Length(1)
	SOH_DEPTH_UPPER	N-Floating Point
	SOH_DEPTH_LOWER	N-Floating Point
	SOH_THICKNESS_MIN	N-Signed Integer
	SOH_THICKNESS_MAX	N-Signed Integer
	SOH_BOUNDARY_DIST	C-Variable Length(1)
	SOH_BOUNDARY_FORM	C-Variable Length(1)
	SOH_CF_PERCENT_VOL	N-Signed Integer
	SOH_CF_PERCENT_GRAVEL	N-Signed Integer
	SOH_CF_GRAVEL_TYPE	C-Variable Length(1)
	SOH_CF_PERCENT_COBBLES	N-Signed Integer
	SOH_CF_COBBLES_TYPE	C-Variable Length(1)
	SOH_CF_PERCENT_STONES	N-Signed Integer
	SOH_CF_STONES_TYPE	C-Variable Length(1)
	SOH_SOIL_TEXTURE	C-Variable Length(4)
	SOH_FLDTEXMD_	C-Variable Length(1)
	SOH_STRUC_GRADE_1	C-Variable Length(2)
	SOH_STRUC_CLASS_1	C-Variable Length(3)
	SOH_STRUC_KIND_1	C-Variable Length(3)
	SOH_STRUC_KIND_MOD_1	C-Variable Length(2)
	SOH_STRUC_GRADE_2	C-Variable Length(2)
	SOH_STRUC_CLASS_2	C-Variable Length(3)
	SOH_STRUC_KIND_2	C-Variable Length(3)
	SOH_STRUC_KIND_MOD_2	C-Variable Length(2)
	SOH_MOISTURE	C-Variable Length(1)
	SOH_CONSIST_DRY	C-Variable Length(1)
	SOH_CONSIST_MOIST	C-Variable Length(1)
	SOH_CONSIST_WET	C-Variable Length(1)
	SOH_CONSIST_PLAST	C-Variable Length(1)
	SOH_LABNUM1_	C-Variable Length(8)
	SOH_LABNUM2_	C-Variable Length(8)
	SOH_COLOUR_ASPECT_1	C-Variable Length(2)
	SOH_COLOUR_HUE_NUM_1	N-Floating Point
	SOH_COLOUR_HUE_CODE_1	C-Variable Length(2)
	SOH_COLOUR_VALUE_1	N-Floating Point
	SOH_COLOUR_CHROMA_1	N-Floating Point
	SOH_COLOUR_ASPECT_2	C-Variable Length(2)
	SOH_COLOUR_HUE_NUM_2	N-Floating Point
	SOH_COLOUR_HUE_CODE_2	C-Variable Length(2)
	SOH_COLOUR_VALUE_2	N-Floating Point
	SOH_COLOUR_CHROMA_2	N-Floating Point
	SOH_MOTTLES_ABUN	C-Variable Length(1)
	SOH_MOTTLES_SIZE	C-Variable Length(1)
	SOH_MOTTLES_CONT	C-Variable Length(1)
	SOH_MOTTLES_ASPECT	C-Variable Length(2)
	SOH_MOTTLES_HUE_NUM	N-Floating Point
	SOH_MOTTLES_HUE_CODE	C-Variable Length(2)
	SOH_MOTTLES_VALUE	N-Floating Point
	SOH_MOTTLES_CHROMA	N-Floating Point
	SOH_MOTTLES_BOUND_DIST	C-Variable Length(1)
	SOH_MOTABUN2_	C-Variable Length(1)
	SOH_MOTSIZE2_	C-Variable Length(1)
	SOH_MOTCON2_	C-Variable Length(1)
	SOH_MOTCLAS2_	C-Variable Length(2)
	SOH_MOTCLHN2	N-Floating Point
	SOH_MOTCLHA2_	C-Variable Length(2)
	SOH_MOTCLVL2_	N-Floating Point
	SOH_MOTCLCH2_	N-Floating Point
	SOH_MOTBND2_	C-Variable Length(1)
	SOH_ROOTS_ABUN_1	C-Variable Length(1)
	SOH_ROOTS_SIZE_1	C-Variable Length(1)
	SOH_ROOTS_ORIENT_1	C-Variable Length(1)
	SOH_ROOTS_DIST_1	C-Variable Length(2)
	SOH_ROOTS_ABUN_2	C-Variable Length(1)
	SOH_ROOTS_SIZE_2	C-Variable Length(1)
	SOH_ROOTS_ORIENT_2	C-Variable Length(1)
	SOH_ROOTS_DIST_2	C-Variable Length(2)
	SOH_PH_VALUE	N-Floating Point
	SOH_PH_METHOD	C-Variable Length(2)
	SOH_FPHREAC_	C-Variable Length(1)
	SOH_PORES_ABUN	C-Variable Length(1)
	SOH_PORES_SIZE	C-Variable Length(1)
	SOH_PORES_ORIENT	C-Variable Length(1)
	SOH_PORES_DIST	C-Variable Length(2)
	SOH_PORES_CONT	C-Variable Length(2)
	SOH_PORES_MORPH	C-Variable Length(1)
	SOH_PORES_TYPE	C-Variable Length(1)
	SOH_PORESAB2_	C-Variable Length(1)
	SOH_PORESSZ2_	C-Variable Length(1)
	SOH_PORESOR2_	C-Variable Length(1)
	SOH_PORESOS2_	C-Variable Length(2)
	SOH_PORESCN2_	C-Variable Length(2)
	SOH_PORESMO2_	C-Variable Length(1)
	SOH_PORESTY2_	C-Variable Length(1)
	SOH_HORIZON_POROSITY	C-Variable Length(1)
	SOH_CLAY_FILM_FREQ	C-Variable Length(2)
	SOH_CLAY_FILM_THICK	C-Variable Length(3)
	SOH_CLAY_FILM_LOC	C-Variable Length(1)
	SOH_CLFLFRQ2_	C-Variable Length(2)
	SOH_CLFLTHK2_	C-Variable Length(3)
	SOH_CLFLLOC2_	C-Variable Length(1)
	SOH_EFFERVESCENCE	C-Variable Length(2)
	SOH_EFFMETH_	C-Variable Length(1)
	SOH_SCD_CONTINUITY	C-Variable Length(1)
	SOH_SCD_ABUNDANCE	C-Variable Length(1)
	SOH_SCD_SIZE	C-Variable Length(1)
	SOH_SCD_SHAPE_STREAKED	C-Variable Length(1)
	SOH_SCD_SHAPE_SPOTTED	C-Variable Length(1)
	SOH_SCD_CONS_MOIST	C-Variable Length(1)
	SOH_SCD_CONS_DRY	C-Variable Length(1)
	SOH_SALINITY	C-Variable Length(1)
	SOH_CONC_KIND	C-Variable Length(2)
	SOH_CONC_ABUN	C-Variable Length(1)
	SOH_CONC_SIZE	C-Variable Length(1)
	SOH_CONC_LOC	C-Variable Length(1)
	SOH_CONC_SHAPE	C-Variable Length(1)
	SOH_CONC_ASPECT	C-Variable Length(2)
	SOH_CONC_HUE_NUM	N-Floating Point
	SOH_CONC_HUE_CODE	C-Variable Length(2)
	SOH_CONC_VALUE	N-Floating Point
	SOH_CONC_CHROMA	N-Floating Point
	SOH_CNCKIND2_	C-Variable Length(2)
	SOH_CNCABUN2_	C-Variable Length(1)
	SOH_CNCSIZE2_	C-Variable Length(1)
	SOH_CNCLOC2_	C-Variable Length(1)
	SOH_CNCSHAP2_	C-Variable Length(1)
	SOH_CNCCLAS2_	C-Variable Length(2)
	SOH_CNCCLHN2_	N-Floating Point
	SOH_CNCCLHA2_	C-Variable Length(2)
	SOH_CNCCLVL2_	N-Floating Point
	SOH_CNCCLCH2_	N-Floating Point
	SOH_CEMENT_AGENT	C-Variable Length(1)
	SOH_CEMENT_DEGREE	C-Variable Length(1)
	SOH_CEMENT_EXTENT	C-Variable Length(1)
	SOH_ORGANIC_KIND_1	C-Variable Length(1)
	SOH_ORGANIC_KIND_2	C-Variable Length(1)
	SOH_ORGANIC_DECOMP	C-Variable Length(1)
	SOH_ORGANIC_WOOD_HARD	C-Variable Length(2)
	SOH_ORGANIC_WOOD_VOLUME	C-Variable Length(1)
	SOH_ORGANIC_PYRO_INDEX	N-Floating Point
	SOH_ORGANIC_VON_POST	C-Variable Length(2)
	SOH_SECCLAS1_	C-Variable Length(2)
	SOH_SECCLHN1_	N-Floating Point
	SOH_SECCLHA1_	C-Variable Length(2)
	SOH_SECCLVL1_	N-Floating Point
	SOH_SECCLCH1_	N-Floating Point
	SOH_SECCLAS2_	C-Variable Length(2)
	SOH_SECCLHN2_	N-Floating Point
	SOH_SECCLHA2_	C-Variable Length(2)
	SOH_SECCLVL2_	N-Floating Point
	SOH_SECCLCH2_	N-Floating Point
	SOH_PFRICE_	C-Variable Length(2)
	SOH_PFRCLS_	C-Variable Length(3)
	SOH_PFRCLSGR_	C-Variable Length(1)
	SOH_PFRCLSSG_	C-Variable Length(1)
	SOH_PFRCLSMD_	C-Variable Length(1)
	SOH_HORIZON_NOTES	C-Variable Length(50)
	DataGroup	C-Variable Length(50)
	DataSource	C-Variable Length(254)

SOILS_LAB_RESULT

	LAB_RESULT_ID	C-Variable Length(11)
	HORIZON_ID	C-Variable Length(8)
	LAR_SERIES	C-Variable Length(2)
	LAR_FORM_NUM	C-Variable Length(5)
	LAR_HORIZON	C-Variable Length(1)
	LAR_PARM_CODE	C-Variable Length(3)
	LAR_PREP_CODE	C-Variable Length(2)
	LAR_METH_CODE	C-Variable Length(2)
	LAR_TEST_VALUE	C-Variable Length(15)
	DataGroup	C-Variable Length(50)
	DataSource	C-Variable Length(254)
	QC_Corrections	C-Variable Length(500)

SOILS_LAB_TEST

PK	LTT_PARM_CODE	C-Variable Length(3)
	LTT_EXPERIMENT	C-Variable Length(10)
	LTT_UNITS	C-Variable Length(10)
	LTT_HEADER1	C-Variable Length(10)
	LTT_HEADER2	C-Variable Length(10)

SOILS_LAB

PK	LAB_ID	C-Variable Length(7)
	LAB_SERIES	C-Variable Length(2)
	LAB_FORM_NUM	C-Variable Length(5)
	LAB_FIELD_SAMP	N-Signed Integer
	LAB_LAB_PREP	N-Signed Integer
	LAB_SIZE_FRACTION	N-Signed Integer
	LAB_LAB_CODE	C-Variable Length(2)
	DataGroup	C-Variable Length(50)
	DataSource	C-Variable Length(254)

SOILS_PROJECT_VID_ARCHIVE

	PRO_PROJECT_ID	C-Variable Length(25)
	PRO_PROJECT_COMMENT	C-Variable Length(800)
	DataGroup	C-Variable Length(50)
	DataSource	C-Variable Length(254)

Notes

- No relationships have been created as there are many data cleanup issues still to be resolved. Lines have been included on this diagram for clarity.
- The old date fields (6 digit ISO format) have been restructured to proper date time. All year only codes were assigned to January 1st of the appropriate year (i.e.: “590000” became “590101” or January 1st, 1959.
- Site coordinates were created from the old Degrees/Minutes/Seconds formats (assumed NAD27) to Decimal Degrees in both NAD27 and NAD83.
- New fields for corrections show where the original data was modified to fit the new schema, or obvious corrections were made (like the date issues noted above).
- The old LAB_EXPERIEMNT, LAB_HEADER, LAB_TEST_TYPE, and LAB_UNITS tables have been combined into the new LAB_TEST table.

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