BDCP Environmental Surveys Team

GIS Data Management Plan

Appendix C

APPENDIX C: GIS DATA SCHEMA/DATA MODEL

DRAFT

Field Surveys Geodatabase Schema Diagrams: Domains 1 of 3

DRAFT

Shared

Coded value domain
GPSID
Description
Field type *Long integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
215598	215598
215599	215599
215600	215600
216001	216001
216002	216002
216003	216003
216004	216004
216005	216005
216006	216006
216007	216007
216008	216008
216010	216010
216011	216011
216012	216012
216009	216009
216285	216285
216286	216286
216287	216287
216288	216288
216289	216289
216290	216290
216291	216291
216292	216292
216293	216293
216294	216294
216295	216295
216296	216296
216297	216297
216298	219298
216299	216299

Range domain
Percent
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Minimum value	Maximum value
0	100

Coded value domain
SurveyType
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Bats
2	Herpetofauna
3	Birds
4	Botany
5	Invertebrates
6	Site Recon
7	Woodrats and Rabits

Coded value domain
Yes_No_Int
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
0	No
-1	Yes

Coded value domain
Temp_Units
Description
Field type *String*
Split policy *Default value*
Merge policy *Default value*

Code	Description
F	F
C	C

Avian

Coded value domain
BirdActivity
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Nesting
2	Perched

Coded value domain
AvianSpecies
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Bank Swallow-BANS
2	Black-crowned Night Heron-BCHE
3	Burrowing Owl-BUOW
4	California Black Rail-BLRA
5	Cooper's Hawk-COHA
6	Double-crested Cormorant-DCCO
7	Grasshopper Sparrow-GRSP
8	Great Blue Heron-GBHE
9	Great Egret-GREG
10	Least Bittern-LEBI
11	Loggerhead Shrike-LOSH
12	Northern Harrier-NOHA
13	Osprey-OSPR
14	Redhead-REDH
15	Sandhill Crane-SACR
16	Short-eared Owl-SEOW
17	Snowy Egret-SNEG
18	Song Sparrow-SOSP
19	Swainson's Hawk-SWHA
20	Tricolored Blackbird-TRBL
21	White-faced Ibis-WFIB
22	White-tailed Kite-WTKI
23	Yellow-headed Blackbird-YHBL
24	Yellow-billed Cuckoo-YBCU
25	Yellow-breasted Chat-YBCH

Coded value domain
AvianHabitat
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Riparian tree(s)
2	Non-riparian tree(s)
3	Riparian shrub-scrub
4	Non-riparian shrub-scrub
5	Marsh
6	Grassland
7	Cultivated ag-land
8	Fallow ag-land
9	Other-list in comments

Coded value domain
AvianWind
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	None/Light
2	Moderate
3	High/Affects Survey

Coded value domain
Bot_Determination
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Keyed from Jepson Manual
2	Compared with specimen
3	Compared with photo
4	ID'd by another person
5	Personal knowledge of species
6	Other

Botany

Coded value domain
Botany_Species
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Amsinckia lunaris
2	Astragalus tener var. ferrisiae
3	Astagalus tener var. tener
4	Atriplex cordulata
5	Atriplex coronata var. coronata
6	Atriplex depressa
7	Atriplex joaquiniana
8	Atriplex persistens
9	Blepharizonia plumosa
10	Calandrinia breweri
11	Calochortus pulchellus
12	Carex comosa
13	Carex vulpinoidea
14	Centromadia (=Hemizonia) parryi ssp. parryi
15	Centromadia (=Hemizonia) parryi ssp. rudis
16	Centromadia (=Hemizonia) parryi ssp. rudis
17	Cirsium crassicaule
18	Convolvulus simulans
19	Cordylanthus mollis ssp. hispidus
20	Cordylantus mollis ssp. mollis
21	Cordylanthus palmatus
22	Cryptantha hooveri
23	Delphinium rcurvatum
24	Downingia pusilla
25	Eleocharis parvula
26	Erodium macrophyllum
27	Eryngium racemosum
28	Erysimum capitatum ssp. angustatum
29	Eschscholzia rhombipetala
30	Fritillaria agrestis
31	Fritillaria liliacea
32	Gratiola heterosepala
33	Hesperevax caulescens
34	Hesperolinon breweri
35	Hibiscus lasiocarpus
36	Iris longipetala
37	Isocoma arguta
38	Lasthenia conjugens
39	Lasthenia ferrisiae
40	Lathyrus jepsonii var. jepsonii
41	Legenere limosa
42	Lepidium latipes var. heckardii
43	Lilaeopsis masonii
44	Limosella subulata
45	Madia radiata
46	Myosurus minimus ssp. apus
47	Navarretia cotulifolia
48	Navareetia leucocephala ssp. bakeri
49	Neostapfia colusana
50	Oenothera deltoides ssp. howellii
51	Perideridia gairdneri ssp. gairdneri
52	Plagiobothrys glaber
53	Plagiobothrys hystriculus
54	Potamogeton zosteriformis
55	Psilocarphus brevissimus var. multiflorus
56	Ranunculus lobbii
57	Sagittaria sanfordi
58	Scutellaria galericulata
59	Scutellaria lateriflora
60	Symphyotrichum lentum (Aster lentus)
61	Trichocoronis wrightii
62	Trifolium depauperatum var. hydrophilum
63	Tropidocarpum capparideum
64	Tuctoria mucronata
65	Unknown Rare Plant

Coded value domain
Bot_Hab_Quality
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Excellent
2	Good
3	Fair
4	Poor

Coded value domain
ElderberryHabitat
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Riparian
2	Ruderal
3	Riprap
4	Ditch

Coded value domain
ElderberrySize
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	A: 0-5 stems
2	B: 6-20 stems
3	C: > 20 stems
4	D: large clump

Coded value domain
Botany_Habitat_Type
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
2	Agriculture
3	Developed
4	Grassland
5	Grassland-Disturbed Vernal Pools
6	Inland Dune Scrub
7	Managed Wetland
8	Nontidal Freshwater Permanent Emergent Wetland
1	Alkali Natural Seasonal Wetland Complex
9	Nontidal Perennial Aquatic
10	Other Natural Seasonal Wetlands
11	Riparian Forest
12	Riparian Invasives
13	Riparian Scrub
14	Ruderal Grassland
15	Tidal Brackish Emergent Wetland
16	Tidal Freshwater Emergent Wetland
17	Tidal Perennial Aquatic
18	Upland Scrub
19	Vernal Pool Complex

Field Surveys Geodatabase Schema Diagrams: Domains 2 of 3

DRAFT

Mammals: Bats

Coded value domain
WindDirection
Description
Field type *Long integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	N
2	NE
3	E
4	SE
5	S
6	SW
7	W
8	NW

Coded value domain
SiteSuitability
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	No Potential Habitat
2	Foraging Habitat Present
3	Roosting Habitat Present
4	Roosting and Foraging Habitat Present

Coded value domain
RoostStructure
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Tree
2	Bridge
3	Building
4	Other

Coded value domain
EstimatedDBH
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	<10 cm
2	10-20 cm
3	>20 cm

Coded value domain
AR125ID
Description
Field type *Long integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
214245	214245
214247	214247
214236	214236
214238	214238

Coded value domain
Bat_Precip
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	None
2	Light Rain
3	Rain
4	Snow
5	Sleet
6	Hail
7	Fog
8	Smokey
9	Humid
10	Windy
11	Other

Coded value domain
CanopyDensity
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	High
2	Medium
3	Low

Coded value domain
Deciduous
Description
Field type *String*
Split policy *Default value*
Merge policy *Default value*

Code	Description
Deciduous	Deciduous
Non-Deciduous	Non-Deciduous

Coded value domain
RoostSize
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	1
2	<50
3	50-100
4	>100

Coded value domain
EstimatedHeight
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	<5 Feet
2	5-15 Feet
3	> 15 Feet

Coded value domain
FR125ID
Description
Field type *Long integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
214239	214239
214246	214246
214248	214248
214237	214237

Coded value domain
GuanoAmount
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Sparse (<50 Pieces)
2	Moderate (5-100 Pieces)
3	Not Fresh (> 100 Pieces)

Coded value domain
Bat_Activity
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	None
2	Low (<10 Passes)
3	Medium (11-20 Passes)
4	High (>20 Passes)

Coded value domain
Bat_Acoustic_Results
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
0	absent
-1	present
-2	potential
-3	data not collected/lost
-4	data not processed

Herpetofauna

Coded value domain
Herp_Weather
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	sunny/clear
2	cloud cover < 50%
3	cloud cover > 50%
4	light rain
5	heavy rain
6	haze/smoke
7	fog/overcast

Coded value domain
Herp_Activity
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
0	unknown
1	swimming
2	Land moving toward water
3	Land moving from water
4	Not moving
5	Courting/mating
6	Other (specify)

Coded value domain
Frog_Stream_Habitat_Non_Pool
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	run
2	riffle
3	glide
4	other

Range domain
FrogSurveyNum
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Minimum value	Maximum value
1	8

Coded value domain
Sex
Description
Field type *String*
Split policy *Default value*
Merge policy *Default value*

Code	Description
M	Male
F	Female

Coded value domain
SnakeCaptureType
Description
Field type *Long integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Passive
2	Active

Coded value domain
Herp_Habitat_Cap_sit
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	irrigation canal
2	slough or natural channel
3	freshwater marsh
4	edge of rice field
5	within rice field
6	upland/fallow field
7	other

Coded value domain
Herp_Habitat_Mod
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
0	unknown
1	aquatic vegetation present
2	aquatic vegetation absent
3	upland vegetation < 50%
4	upland vegetation > 50%
5	riprap/rocks
6	bare ground
7	other (specify)

Coded value domain
FrogSurveyType
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Day
2	Night

Coded value domain
FrogSurveyType2
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Breeding
2	Non-Breeding

Coded value domain
WaterType
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Vernal Pool
2	Seasonal Wetland
3	Artificial Impoundment
4	Other

Field Surveys Geodatabase Schema Diagrams: Domains 3 of 3

DRAFT

Herpetofauna

Coded value domain
Herp_Cover_Classes
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	0-5%
2	5-25%
3	25-50%
4	50-75%
5	75-100%
6	0%

Coded value domain
Herp_Distance_to_water
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	<1 m
2	1-3 m
3	3-10 m
4	10-20 m
5	>20 m
6	At margin
7	Impediment to H2O

Coded value domain
Herp_Habitat_Individual_Snake
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Bare ground
2	Rock/rip rap
3	Terrestrial veg
4	rice
5	litter
6	water
7	Submergent veg
8	Emergent veg
9	Other (specify)

Coded value domain
Herp_Veg_Height
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	<15 cm
2	15-50 cm
3	50-100 cm
4	> 100 cm

Coded value domain
Herp_Per_Snake_in_Sun
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
0	unknown
1	<10%
2	10-25%
3	25-50%
4	50-75%
5	75-100%
6	0%

Coded value domain
Herp_Snake_Position
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
0	unknown
1	coiled
2	Partly coiled
3	Stretched out
4	moving

Coded value domain
Herp_Species
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Thamnophis gigas
2	Thamnophis sirtalis
3	Thamnophis elegans
4	Thamnophis spp.
5	Pituophis catenifer
6	Lampropeltis getulus
7	Coluber constrictor
8	other

Coded value domain
Herp_Capture_Method
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Aquatic trap
2	Hand or snare from water
3	Hand or snare from dry land
4	telemetry
5	Sighting (no capture)
6	Other (specify)

Coded value domain
Herp_Substrate
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Bare ground
2	Veg/debris on ground/standing
3	Veg on/ over water
4	underground
5	Extending from burrow
6	On water surface
7	Below water surface
8	Rock/ rip rap
9	Other (specify)

Coded value domain
Herp_Veg
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	tules
2	cattails
3	grass
4	brush
5	rice
6	Weedy dicots
7	blackberry
8	primrose
9	Other (specify)

Coded value domain
Herp_Wind
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	0-5 mph
2	5-15 mph
3	> 15 mph

Coded value domain
amphibian_life_stages
Description
Field type *String*
Split policy *Default value*
Merge policy *Default value*

Code	Description
egg	egg
larvae	larvae
metamorph	metamorph
juvenile	juvenile
adult	adult

Coded value domain
amphibian_size_class
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Small
2	Medium
3	Large

Coded value domain
herp_amphibian_osberved_or_heard
Description
Field type *String*
Split policy *Default value*
Merge policy *Default value*

Code	Description
observed	observed
heard	heard

Coded value domain
herp_amphibian_species
Description
Field type *String*
Split policy *Default value*
Merge policy *Default value*

Code	Description
AMCA	AMCA
ANBO	ANBO
LICA	LICA
RADR	RADR
SPHA	SPHA
PSSI	PSSI

Coded value domain
herp_recon_species
Description
Field type *String*
Split policy *Default value*
Merge policy *Default value*

Code	Description
GGS	GGS
CTS	CTS
CRF	CRF

Site Reconnaissance

Coded value domain
Site_Recon_Storage_Location
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Below Ground
2	Above Ground

Coded value domain
Site_Recon_Waste_Water
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Discharge into drain
2	Discharge into ditch
3	Discharge into stream

Coded value domain
Site_Recon_Wells
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	Dry
2	Irrigation
3	Injection
4	Abandoned
5	Other

Invertebrates

Coded value domain
Magnitude
Description
Field type *Short integer*
Split policy *Default value*
Merge policy *Default value*

Code	Description
1	10s
2	100s
3	1000s
4	10000s
5	100000s
6	1000000s
7	10000000s
8	100000000s
9	1000000000s

Field Surveys Geodatabase Schema Diagrams: Avian Repository 1 of 2

DRAFT

Simple feature class
avian_point_offset

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
SPECIES	Short integer	Yes		AvianSpecies	5		
NUMBER_	Long integer	Yes			10		
ACTIVITY	Short integer	Yes		BirdActivity	5		
HABITAT	Short integer	Yes		AvianHabitat	5		
SURVEYOR1	String	Yes					50
SURVEYOR2	String	Yes					50
DATETIME_	Date	Yes			0	0	36
GPS_ID	Long integer	Yes		GPSID	10		
PARCELAPN	String	Yes					50
WEATHER	Short integer	Yes		Herp_Weather	5		
TEMPERATURE	String	Yes					25
COMMENTS	String	Yes					250
PHOTOS	String	Yes					250
FIELDFORMQC	Short integer	Yes		Yes_No_Int	5		
STARTTIME	String	Yes					10
STOPTIME	String	Yes					10
WIND	Short integer	Yes		AvianWind	5		
ACCURACY_METERS	Double	Yes			38	8	
X	Double	Yes			38	8	
Y	Double	Yes			38	8	
FOREIGNKEY	Long integer	Yes			10		
FROM_DATASHEETS	Short integer	Yes		Yes_No_Int	5		
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
SHAPE	Geometry	Yes					
GLOBALID	GUID	No			0	0	38
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36

Relationship class
avian_point_offset_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *AVIAN_PHOTOS_TABLE*
Backward label *avian_point_offset*

Origin feature class	Destination table
Name *avian_point_offset*	Name *AVIAN_PHOTOS_TABLE*
Primary key *GLOBALID*	
Foreign key *AVIAN_OFFSET*	

No relationship rules defined.

Simple feature class
avian_song_sparrow_offset

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
SURVEYOR1	String	Yes					50
SURVEYOR2	String	Yes					50
DATETIME_	Date	Yes			0	0	36
GPS_ID	Long integer	Yes		GPSID	10		
PARCELAPN	String	Yes					50
WEATHER	Short integer	Yes		Herp_Weather	5		
TEMPERATURE	String	Yes					25
COMMENTS	String	Yes					250
PHOTOS	String	Yes					250
FIELDFORMQC	Short integer	Yes		Yes_No_Int	5		
STARTTIME	String	Yes					10
STOPTIME	String	Yes					10
WIND	Short integer	Yes		AvianWind	5		
ACCURACY_METERS	Double	Yes			38	8	
X	Double	Yes			38	8	
Y	Double	Yes			38	8	
SPECIES	Short integer	Yes		AvianSpecies	5		
NUMBER_	Long integer	Yes			10		
FOREIGNKEY	Long integer	Yes			10		
ACTIVITY	Short integer	Yes		BirdActivity	5		
HABITAT	Short integer	Yes		AvianHabitat	5		
GLOBALID	GUID	No			0	0	38
FROM_DATASHEETS	Short integer	Yes		Yes_No_Int	5		
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
SHAPE	Geometry	Yes					
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36

Relationship class
avian_song_sparrow_offset_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *AVIAN_PHOTOS_TABLE*
Backward label *avian_song_sparrow_offset*

Origin feature class	Destination table
Name *avian_song_sparrow_offset*	Name *AVIAN_PHOTOS_TABLE*
Primary key *GLOBALID*	
Foreign key *AVIAN_SONG_SPARROW_OFFSET*	

No relationship rules defined.

Table
AVIAN_PHOTOS_TABLE

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
AVIAN_OFFSET	GUID	Yes			0	0	38
AVIAN_SONG_SPARROW_OFFSET	GUID	Yes			0	0	38
GLOBALID	GUID	No			0	0	38
PHOTO_SHOWS_BUILDINGS	Short integer	Yes		Yes_No_Int	5		
PHOTOS	Raster	Yes			0	0	4

DRAFT

Field Surveys Geodatabase Schema Diagrams: Avian Repository 2 of 2

Simple feature class
avian_point_ver2

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
SPECIES	Short integer	Yes		AvianSpecies	5		
NUMBER_	Long integer	Yes			10		
ACTIVITY	Short integer	Yes		BirdActivity	5		
HABITAT	Short integer	Yes		AvianHabitat	5		
PARCELAPN	String	Yes					50
WEATHER	Short integer	Yes		Herp_Weather	5		
TEMPERATURE	String	Yes					25
COMMENTS	String	Yes					250
PHOTOS	String	Yes					250
FIELDFORMQC	Short integer	Yes		Yes_No_Int	5		
STARTTIME	String	Yes					10
STOPTIME	String	Yes					10
WIND	Short integer	Yes		AvianWind	5		
SURVEYOR1	String	Yes					50
SURVEYOR2	String	Yes					50
DATETIME_	Date	Yes			0	0	36
GPS_ID	Long integer	Yes		GPSID	10		
ACCESS_ID	Long integer	Yes			10		
AV_TABLE_OBJECTID	Long integer	Yes			10		
OLD_OBJECTID	Long integer	Yes			10		
X	Double	Yes			38	8	
Y	Double	Yes			38	8	
EDIT_DESC	String	Yes					250
EDIT_SRC	String	Yes					25
FROM_DATASHEETS	Short integer	Yes		Yes_No_Int	5		
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
ACCURACY_METERS	Double	Yes			38	8	
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
SHAPE	Geometry	Yes					
NUMBER_TEXT	String	Yes					10
DISTANCE_TEXT	String	Yes					10
DIRECTION_TEXT	String	Yes					10
QUADRANT	Short integer	Yes			5		

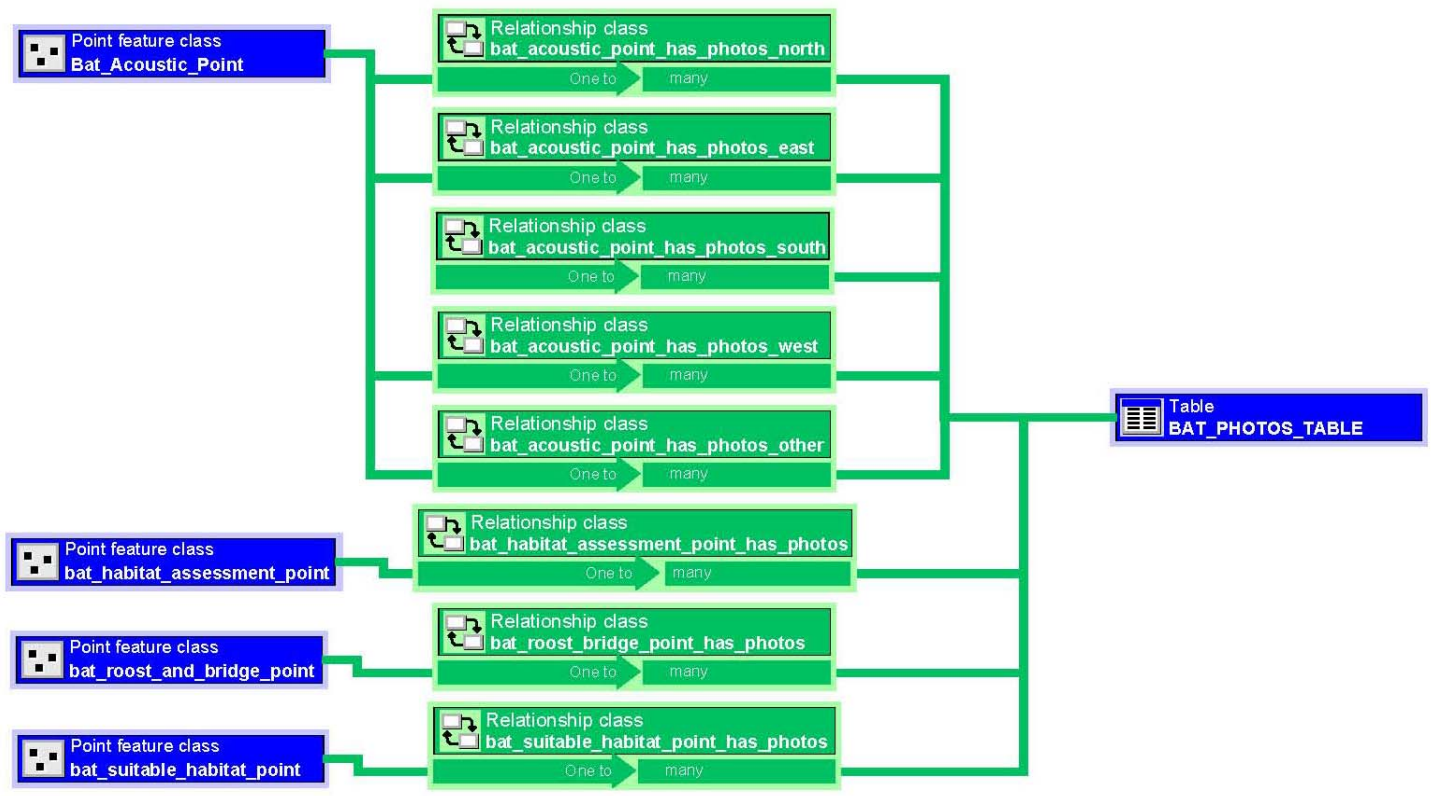
Simple feature class
avian_surveyed_parcels

Geometry *Polygon*
Contains M values *No*
Contains Z values *No*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
PARCELAPN	String	Yes					254
SHAPE	Geometry	Yes					
GLOBALID	GUID	No			0	0	38
SHAPE.AREA	Double	No			0	0	
SHAPE.LEN	Double	No			0	0	

Field Surveys Geodatabase Schema Diagrams: Bat Repository 1 of 5

DRAFT



Simple feature class
bat_suitable_habitat_point

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
GPS_ID	Long integer	Yes		GPSID	10		
SURVEYOR1	String	Yes					50
SURVEYOR2	String	Yes					50
MAP_ID	String	Yes					50
PARCEL_ID	String	Yes					50
CAMERA_ID	String	Yes					50
UTM_NORTHING	Double	Yes			38	8	
UTM_EASTING	Double	Yes			38	8	
PHOTOS	String	Yes					250
DATE_	Date	Yes			0	0	36
TIME_	String	Yes					50
ROOSTTREESTAND	Short integer	Yes		Yes_No_Int	5		
ROOSTTREESTANDEUC	Short integer	Yes		Yes_No_Int	5		
ROOSTTREESTANDOAK	Short integer	Yes		Yes_No_Int	5		
ROOSTTREESTANDWILLOW	Short integer	Yes		Yes_No_Int	5		
ROOSTTREESTANDCOTTON	Short integer	Yes		Yes_No_Int	5		
ROOSTTREESTANDORCHARD	Short integer	Yes		Yes_No_Int	5		
ROOSTTREESTANDOTHER	Short integer	Yes		Yes_No_Int	5		
ROOSTTREESTANDNOTES	Short integer	Yes		Yes_No_Int	5		
ROOSTBRIDGE	Short integer	Yes		Yes_No_Int	5		
ROOSTBUILDING	Short integer	Yes		Yes_No_Int	5		
ROOSTSINGLETREE	Short integer	Yes		Yes_No_Int	5		
ROOSTSINGLETREESNAG	Short integer	Yes		Yes_No_Int	5		
ROOSTSINGLETREELIVE	Short integer	Yes		Yes_No_Int	5		
ROOSTSINGLETREELARGE	Short integer	Yes		Yes_No_Int	5		
ROOSTOTHER	Short integer	Yes		Yes_No_Int	5		
ROOSTNOTES	String	Yes					250
FORAGEWATER	Short integer	Yes		Yes_No_Int	5		
FORAGEWATSHALLOW	Short integer	Yes		Yes_No_Int	5		
FORAGEWATSMFLCH	Short integer	Yes		Yes_No_Int	5		
FORAGEWATSMFLCHWRIVEG	Short integer	Yes		Yes_No_Int	5		
FORAGEWATLRGFLCH	Short integer	Yes		Yes_No_Int	5		
FORAGEWATLRGFLCHWRIVEG	Short integer	Yes		Yes_No_Int	5		
FORAGEWATSTAGNANT	Short integer	Yes		Yes_No_Int	5		
FORAGEOTHER	Short integer	Yes		Yes_No_Int	5		
FORAGEAG	Short integer	Yes		Yes_No_Int	5		
FORAGEORCHARD	Short integer	Yes		Yes_No_Int	5		
FORAGEOAK	Short integer	Yes		Yes_No_Int	5		
FORAGEOTHER_1	Short integer	Yes		Yes_No_Int	5		
FORAGENOTES	String	Yes					250
ELEVATION	Double	Yes			38	8	
FIELDFORMQC	Short integer	Yes		Yes_No_Int	5		
ACCURACY_METERS	Double	Yes			38	8	
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
PHOTOS_PATH	String	Yes					50
SHAPE	Geometry	Yes					
GLOBALID	GUID	No			0	0	38
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36

at_suitable_habitat_point_has_photos

Field Surveys Geodatabase Schema Diagrams: Bat Repository 2 of 5

DRAFT

Simple feature class
bat_habitat_assessment_point

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
SUITABILITY	Short integer	Yes		SiteSuitability	5		
GPS_ID	Long integer	Yes		GPSID	10		
SURVEYOR1	String	Yes					50
SURVEYOR2	String	Yes					50
DATE_	Date	Yes			0	0	36
MAP_ID	String	Yes					50
PARCEL_ID	String	Yes					50
UTM_NORTHING	Double	Yes			38	8	
UTM_EASTING	Double	Yes			38	8	
PHOTOS	String	Yes					250
CAMER_ID	String	Yes					50
ANNUALGRASSLAND	Short integer	Yes		Yes_No_Int	5		
VINEYARD	Short integer	Yes		Yes_No_Int	5		
COASTALSCRUB	Short integer	Yes		Yes_No_Int	5		
OAKWOODLAND	Short integer	Yes		Yes_No_Int	5		
URBANBARREN	Short integer	Yes		Yes_No_Int	5		
AGCROP	Short integer	Yes		Yes_No_Int	5		
GRAINCROP	Short integer	Yes		Yes_No_Int	5		
ROWCROP	Short integer	Yes		Yes_No_Int	5		
INUNDATEDCROP	Short integer	Yes		Yes_No_Int	5		
CORNCROP	Short integer	Yes		Yes_No_Int	5		
ORCHARD	Short integer	Yes		Yes_No_Int	5		
ORCHARDTYPE	String	Yes					50
ESTIMATEDDBH	Short integer	Yes			5		
ESTIMATEDHEIGHT	Short integer	Yes			5		
ORCHCANOPYDENSITY	Short integer	Yes			5		
ECUALYPTUS	Short integer	Yes		Yes_No_Int	5		
EUCCANOPYDENSITY	Short integer	Yes			5		
INTACTSTAND	Short integer	Yes		Yes_No_Int	5		
SOLITARY	Short integer	Yes		Yes_No_Int	5		
RIPARIANWETLAND	Short integer	Yes		Yes_No_Int	5		
SHALLOWWETLAND	Short integer	Yes		Yes_No_Int	5		
SMALLFLOWINGCHANNEL	Short integer	Yes		Yes_No_Int	5		
SMALLFLOWCHNRIPVEG	Short integer	Yes		Yes_No_Int	5		
LARGEFLOWINGCHANNEL	Short integer	Yes		Yes_No_Int	5		
LARGEFLOWCHNRIPVEG	Short integer	Yes		Yes_No_Int	5		
STAGNANTWATER	Short integer	Yes		Yes_No_Int	5		
OTHER	String	Yes					50
NOTES	String	Yes					250
NUMBRIDGES	Long integer	Yes			10		
BUILDINGS	Short integer	Yes			5		
NUMBLDGOCC	Long integer	Yes			10		
NUMBLDGABAND	Long integer	Yes			10		
TREE	Short integer	Yes		Yes_No_Int	5		
TREEINTACTSTAND	Short integer	Yes		Yes_No_Int	5		
TREESOLITARY	Short integer	Yes		Yes_No_Int	5		
LARGETREES	Short integer	Yes		Yes_No_Int	5		
TALLTREES	Short integer	Yes		Yes_No_Int	5		
ROOSTORCHARD	Short integer	Yes		Yes_No_Int	5		
ROOSTRIPWET	Short integer	Yes		Yes_No_Int	5		
ROOSTECUALYPTUS	Short integer	Yes		Yes_No_Int	5		
ROOSTOAK	Short integer	Yes		Yes_No_Int	5		
ROOSTTREETYPEOTHER	Short integer	Yes		Yes_No_Int	5		
ROOSTOTHER	String	Yes					50
ROOSTTYPE	String	Yes					50
ROOSTNOTES	String	Yes					250
WATER	Short integer	Yes		Yes_No_Int	5		
WATER_SHALLOW	Short integer	Yes		Yes_No_Int	5		
WATER_SMFLOWCHN	Short integer	Yes		Yes_No_Int	5		
WATER_SMFLCHNRIPVEG	Short integer	Yes		Yes_No_Int	5		
WATER_LGFLOWCHN	Short integer	Yes		Yes_No_Int	5		
WATER_LGFLCHNRIPVEG	Short integer	Yes		Yes_No_Int	5		
WATER_STAGNANT	Short integer	Yes		Yes_No_Int	5		
WATER_OTHER	String	Yes					50
FORAGE_AGRICULTURE	Short integer	Yes		Yes_No_Int	5		
FORAGE_ORCHARD	Short integer	Yes		Yes_No_Int	5		
FORAGE_OTHER	Short integer	Yes		Yes_No_Int	5		
FORAGINGHABITAT	String	Yes					50
FORAGE_NOTES	String	Yes					250
OTHERSPECIESOBSERVED	String	Yes					250
TIME_	String	Yes					50
ELEVATION	Double	Yes			38	8	
FIELDFORMQC	Short integer	Yes		Yes_No_Int	5		
ACCURACY_METERS	Double	Yes			38	8	
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
PHOTOS_PATH	String	Yes					50
SHAPE	Geometry	Yes					
GLOBALID	GUID	No			0	0	38
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36

To: bat_habitat_assessment_point_has_photos

Field Surveys Geodatabase Schema Diagrams: Bat Repository 3 of 5

DRAFT

Simple feature class
bat_roost_and_bridge_point

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
GPS_ID	Long integer	Yes		GPSID	10		
DATE_	Date	Yes			0	0	36
OBSERVER1	String	Yes					50
OBSERVER2	String	Yes					50
MAP_ID	String	Yes					50
PARCEL_ID	String	Yes					50
UTM_NORTHING	Double	Yes			38	8	
UTM_EASTING	Double	Yes			38	8	
BRIDGE_ID	String	Yes					50
BATSPRESENT	Short integer	Yes		Yes_No_Int	5		
POROOSTMATERNITY	Short integer	Yes		Yes_No_Int	5		
POROOSTDAY	Short integer	Yes		Yes_No_Int	5		
POROOSTNIGHT	Short integer	Yes		Yes_No_Int	5		
POROOSTSOLITARY	Short integer	Yes		Yes_No_Int	5		
POROOSTUNKNOWN	Short integer	Yes		Yes_No_Int	5		
LABL	Short integer	Yes		Yes_No_Int	5		
ANPA	Short integer	Yes		Yes_No_Int	5		
COTO	Short integer	Yes		Yes_No_Int	5		
EUPE	Short integer	Yes		Yes_No_Int	5		
LANO	Short integer	Yes		Yes_No_Int	5		
LACI	Short integer	Yes		Yes_No_Int	5		
EPFU	Short integer	Yes		Yes_No_Int	5		
MYCA	Short integer	Yes		Yes_No_Int	5		
MYCI	Short integer	Yes		Yes_No_Int	5		
MYEV	Short integer	Yes		Yes_No_Int	5		
MYLU	Short integer	Yes		Yes_No_Int	5		
MYTH	Short integer	Yes		Yes_No_Int	5		
MYVO	Short integer	Yes		Yes_No_Int	5		
MYYU	Short integer	Yes		Yes_No_Int	5		
PAHE	Short integer	Yes		Yes_No_Int	5		
TABR	Short integer	Yes		Yes_No_Int	5		
UNKNOWN_	Short integer	Yes		Yes_No_Int	5		
OTHER	String	Yes					50
ROOSTSIZE	Short integer	Yes		RoostSize	5		
ROOSTSTRUCTURE	Short integer	Yes		RoostStructure	5		
ROOSTTEMP	Long integer	Yes			10		
TIME_	String	Yes					50
PHOTOS	String	Yes					250
GUANOPRESENT	Short integer	Yes		Yes_No_Int	5		
GUAVERYFRESH	Short integer	Yes		Yes_No_Int	5		
NOTFRESH	Short integer	Yes		Yes_No_Int	5		
GUANOAMOUNT	Short integer	Yes		GuanoAmount	5		
STAININGPRESENT	Short integer	Yes		Yes_No_Int	5		
POROOSTNOPOTENTIAL	Short integer	Yes		Yes_No_Int	5		
TEMPUNITS	String	Yes		Temp_Units			1
HUMIDITYINROOST	Long integer	Yes			10		
SUITABLEFORAGING	Short integer	Yes		Yes_No_Int	5		
ELEVATION	Double	Yes			38	8	
ROOSTSTRUCTURENOTES	String	Yes					250
NEARFORWATER	Short integer	Yes		Yes_No_Int	5		
NEARFORSHALLOW	Short integer	Yes		Yes_No_Int	5		
NFSMFLCH	Short integer	Yes		Yes_No_Int	5		
NFSMFLCHW_RIPVEG	Short integer	Yes		Yes_No_Int	5		
NFLRGFLCH	Short integer	Yes		Yes_No_Int	5		
NFLRGFLOCHW_RIPVEG	Short integer	Yes		Yes_No_Int	5		
NFSTAGNANT	Short integer	Yes		Yes_No_Int	5		
NFORACHARD	Short integer	Yes		Yes_No_Int	5		
NFOAKWOOD	Short integer	Yes		Yes_No_Int	5		
NFAG	Short integer	Yes		Yes_No_Int	5		
NFOTHER	Short integer	Yes		Yes_No_Int	5		
FIELDFORMQC	Short integer	Yes		Yes_No_Int	5		
ACCURACY_METERS	Double	Yes			38	8	
EDITING_NOTES	String	Yes					250
OBJECT_ID_TXT	String	Yes					25
CALTRANS_Y	Double	Yes			38	8	
CALTRANS_X	Double	Yes			38	8	
PHOTONUMS	String	Yes					50
GLOBALID	GUID	No			0	0	38
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
SHAPE	Geometry	Yes					
CAM_ID	String	Yes					25
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36

To: bat_roost_bridge_point_has_photos

Field Surveys Geodatabase Schema Diagrams: Bat Repository 4 of 5

DRAFT

Simple feature class
bat_acoustic_point

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
LABL	Short integer	Yes		Bat_Acoustic_Results	5		
ANPA	Short integer	Yes		Bat_Acoustic_Results	5		
MYYU	Short integer	Yes		Bat_Acoustic_Results	5		
MYCA	Short integer	Yes		Bat_Acoustic_Results	5		
PAHE	Short integer	Yes		Bat_Acoustic_Results	5		
MYCI	Short integer	Yes		Bat_Acoustic_Results	5		
MYLU	Short integer	Yes		Bat_Acoustic_Results	5		
EPFU	Short integer	Yes		Bat_Acoustic_Results	5		
LANO	Short integer	Yes		Bat_Acoustic_Results	5		
LACI	Short integer	Yes		Bat_Acoustic_Results	5		
TABR	Short integer	Yes		Bat_Acoustic_Results	5		
DATE_	Date	Yes			0	0	36
OBSERVER1	String	Yes					50
OBSERVER2	String	Yes					50
PARCELID	String	Yes					50
SURVEY_PERIOD	String	Yes					25
MAPID	String	Yes					50
STATIONID	String	Yes					50
GPS_ID	Long integer	Yes		GPSID	10		
GPSNORTHING	Double	Yes			38	8	
GPSEASTING	Double	Yes			38	8	
FR125ID	Long integer	Yes			10		
AR125ID	Long integer	Yes			10		
CAMERAID	Long integer	Yes			10		
PHOTOS	String	Yes					250
PHOTOID_N	String	Yes					50
PHOTOID_S	String	Yes					50
PHOTOID_E	String	Yes					50
PHOTOID_W	String	Yes					50
OTHERPHOTO_IDS	String	Yes					50
BEGIN_AV_WIND	String	Yes					50
BEGIN_MAX_WIND	String	Yes					50
BEGIN_WIND_DIR	Long integer	Yes		WindDirection	10		
BEGIN_TEMP	String	Yes					20
END_AV_WIND	String	Yes					50
END_MAX_WIND	String	Yes					50
END_WIND_DIR	Long integer	Yes		WindDirection	10		
END_TEMP	String	Yes					20
WEATHER	Short integer	Yes		Bat_Precip	5		
FULL_MOON	Short integer	Yes		Yes_No_Int	5		
WEATHER_NOTES	String	Yes					250
COMMENTS	String	Yes					50
BATACTIVITY	Short integer	Yes			5		
ACTIVITY_15MIN	Short integer	Yes		Yes_No_Int	5		
TEMP_15MIN	String	Yes					20
WIND_15MIN	String	Yes					20
SMALL_15MIN	Short integer	Yes		Yes_No_Int	5		
MEDIUM_15MIN	Short integer	Yes		Yes_No_Int	5		
LARGE_15MIN	Short integer	Yes		Yes_No_Int	5		
UNK_SIZE_15MIN	Short integer	Yes		Yes_No_Int	5		
AUDITORY_15MIN	Short integer	Yes		Yes_No_Int	5		
ACTIVITY_30MIN	Short integer	Yes		Yes_No_Int	5		
TEMP_30MIN	String	Yes					20
WIND_30MIN	String	Yes					50
SMALL_30MIN	Short integer	Yes		Yes_No_Int	5		
MEDIUM_30MIN	Short integer	Yes		Yes_No_Int	5		
LARGE_30MIN	Short integer	Yes		Yes_No_Int	5		
UNK_SIZE_30MIN	Short integer	Yes		Yes_No_Int	5		
AUDITORY_30MIN	Short integer	Yes		Yes_No_Int	5		
ACTIVITY_60MIN	Short integer	Yes		Yes_No_Int	5		
TEMP_60MIN	String	Yes					20
WIND_60MIN	String	Yes					50
SMALL_60MIN	Short integer	Yes		Yes_No_Int	5		
MEDIUM_60MIN	Short integer	Yes		Yes_No_Int	5		
LARGE_60MIN	Short integer	Yes		Yes_No_Int	5		
UNK_SIZE_60MIN	Short integer	Yes		Yes_No_Int	5		
AUDITORY_60MIN	Short integer	Yes		Yes_No_Int	5		
ACTIVITY_SUNSET	Short integer	Yes		Yes_No_Int	5		
TEMP_SUNSET	String	Yes					20
WIND_SUNSET	String	Yes					50
SMALL_SUNSET	Short integer	Yes		Yes_No_Int	5		
MEDIUM_SUNSET	Short integer	Yes		Yes_No_Int	5		
LARGE_SUNSET	Short integer	Yes		Yes_No_Int	5		
AUDITORY_SUNSET	Short integer	Yes		Yes_No_Int	5		
ACTIVITY_75MIN	Short integer	Yes		Yes_No_Int	5		
TEMP_75MIN	String	Yes					20
WIND_75MIN	String	Yes					50
SMALL_75MIN	Short integer	Yes		Yes_No_Int	5		
MEDIUM_75MIN	Short integer	Yes		Yes_No_Int	5		
LARGE_75MIN	Short integer	Yes		Yes_No_Int	5		
UNK_SIZE_75MIN	Short integer	Yes		Yes_No_Int	5		
AUDITORY_75MIN	Short integer	Yes		Yes_No_Int	5		
ACTIVITY_90MIN	Short integer	Yes		Yes_No_Int	5		
TEMP_90MIN	String	Yes					20
WIND_90MIN	String	Yes					50
SMALL_90MIN	Short integer	Yes		Yes_No_Int	5		
MEDIUM_90MIN	Short integer	Yes		Yes_No_Int	5		
LARGE_90MIN	Short integer	Yes		Yes_No_Int	5		
UNK_SIZE_90MIN	Short integer	Yes		Yes_No_Int	5		
AUDITORY_90MIN	Short integer	Yes		Yes_No_Int	5		
ACT_SIZE_NOTES	String	Yes					250
FIELDFORMQC	Short integer	Yes		Yes_No_Int	5		
PER_RIP_FO	Short integer	Yes			5		
PER_WOODLA	Short integer	Yes			5		
PER_GRASS	Short integer	Yes			5		
PER_AG	Short integer	Yes			5		

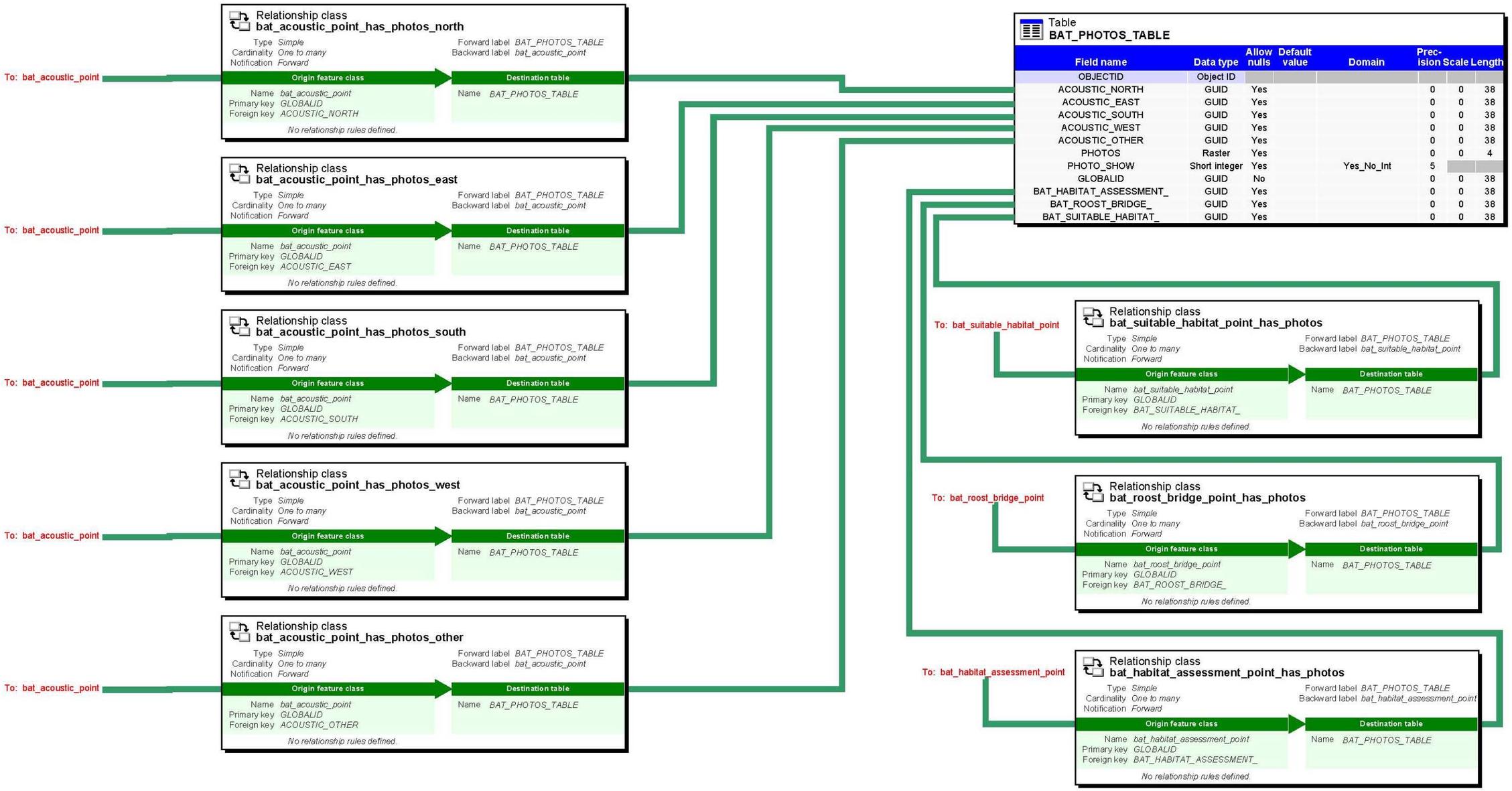
CONTINUATION OF BAT_ACOUSTIC_POINT

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
PER_ORCH	Short integer	Yes			5		
PER_VINE	Short integer	Yes			5		
PER_MARSH	Short integer	Yes			5		
PER_OTHER	Short integer	Yes			5		
OTHER	String	Yes					75
HAB_NOTES	String	Yes					250
F_O_HAB_TY	String	Yes					75
F_O_DBH	Short integer	Yes		EstimatedDBH	5		
F_O_CAN_H	Short integer	Yes		EstimatedHeight	5		
F_O_CAN_CO	Short integer	Yes			5		
AG_GRAIN	Short integer	Yes		Yes_No_Int	5		
AG_ROW_CRO	Short integer	Yes		Yes_No_Int	5		
AG_INNUDAT	Short integer	Yes		Yes_No_Int	5		
AG_CORN	Short integer	Yes		Yes_No_Int	5		
AG_CROP_TY	String	Yes					50
ROOST_BLDG	Short integer	Yes		Yes_No_Int	5		
ROOST_BRDG	Short integer	Yes		Yes_No_Int	5		
RO_SING_TR	Short integer	Yes		Yes_No_Int	5		
ROOST_STAN	Short integer	Yes		Yes_No_Int	5		
ROO_LRG_TR	Short integer	Yes		Yes_No_Int	5		
ROOST_SNAG	Short integer	Yes		Yes_No_Int	5		
ROOST_OTHE	Short integer	Yes		Yes_No_Int	5		
SH_OP_WET	Short integer	Yes		Yes_No_Int	5		
SLOU_CH	Short integer	Yes		Yes_No_Int	5		
STAGNANT	Short integer	Yes		Yes_No_Int	5		
FOR_OTHER	Short integer	Yes		Yes_No_Int	5		
RIP_FOR	Short integer	Yes		Yes_No_Int	5		
MAR_WET	Short integer	Yes		Yes_No_Int	5		
SLOU_CHAN	Short integer	Yes		Yes_No_Int	5		
FRO_WOOD	Short integer	Yes		Yes_No_Int	5		
FRO_AN_GRA	Short integer	Yes		Yes_No_Int	5		
FRO_AG	Short integer	Yes		Yes_No_Int	5		
FRO_ORCH	Short integer	Yes		Yes_No_Int	5		
FRO_VINE	Short integer	Yes		Yes_No_Int	5		
FRO_OTHER	Short integer	Yes		Yes_No_Int	5		
BE_RI_FOR	Short integer	Yes		Yes_No_Int	5		
BE_MAR_WET	Short integer	Yes		Yes_No_Int	5		
BE_SL_CH	Short integer	Yes		Yes_No_Int	5		
BE_WOOD	Short integer	Yes		Yes_No_Int	5		
BE_AN_GRAS	Short integer	Yes		Yes_No_Int	5		
BE_AG	Short integer	Yes		Yes_No_Int	5		
BE_ORCH	Short integer	Yes		Yes_No_Int	5		
BE_VINE	Short integer	Yes		Yes_No_Int	5		
BE_OTHER	Short integer	Yes		Yes_No_Int	5		
ROO_BLDG	Short integer	Yes		Yes_No_Int	5		
ROO_BRDG	Short integer	Yes		Yes_No_Int	5		
ROO_SOLI	Short integer	Yes		Yes_No_Int	5		
ROO_INTCT_	Short integer	Yes		Yes_No_Int	5		
LRG_TREES	Short integer	Yes		Yes_No_Int	5		
SNAGS	Short integer	Yes		Yes_No_Int	5		
OTHER_2	Short integer	Yes		Yes_No_Int	5		
FOR_SHALL_	Short integer	Yes		Yes_No_Int	5		
FOR_SLOU	Short integer	Yes		Yes_No_Int	5		
FOR_STAG	Short integer	Yes		Yes_No_Int	5		
FOR_OTH_30_100	Short integer	Yes		Yes_No_Int	5		
ELEVATION	Double	Yes			38	8	
ACCURACY_METERS	Double	Yes			38	8	
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
PHOTO_PATH	String	Yes					100
SHAPE	Geometry	Yes					
GLOBALID	GUID	No			0	0	38
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36

To: bat_acoustic_point_has_photos_north
bat_acoustic_point_has_photos_east
bat_acoustic_point_has_photos_south
bat_acoustic_point_has_photos_west
bat_acoustic_point_has_photos_other

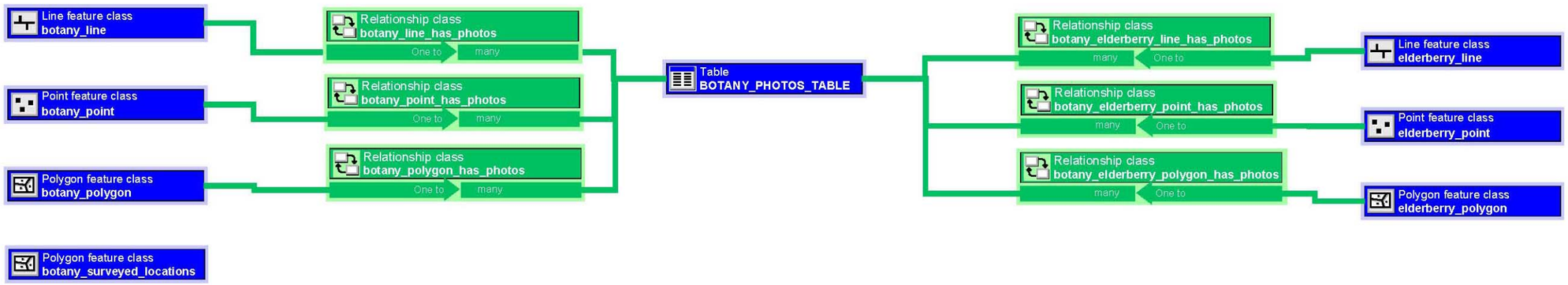
Field Surveys Geodatabase Schema Diagrams: Bat Repository 5 of 5

DRAFT



Field Surveys Geodatabase Schema Diagrams: Botany Repository 1 of 3

DRAFT



Simple feature class
botany_line

Geometry *Polyline*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
DATE_	Date	Yes			0	0	36
TIME_	String	Yes					50
OBSERVER1	String	Yes					50
OBSERVER2	String	Yes					50
SCIENTIFICNAME	Short integer	Yes		Botany_Species	5		
SURROUNDINGLANDUSE	String	Yes					250
VISIBLEDISTURBANCES	String	Yes					50
THREATS	String	Yes					50
DETERMINATION	Short integer	Yes		Bot_Determination	5		
PHOTOPLANT	Short integer	Yes		Yes_No_Int	5		
PHOTOHABITAT	Short integer	Yes		Yes_No_Int	5		
PHOTODIAGNOSTIC	Short integer	Yes		Yes_No_Int	5		
COMMENTS	String	Yes					250
ELEVATION	Double	Yes			38	8	
NUMINDIVIDUALS	Long integer	Yes			10		
PERCPHENVEGETATIVE	Short integer	Yes		Percent	5		
PERCPHENFLOWERING	Short integer	Yes		Percent	5		
PERCPHENFRUITING	Short integer	Yes		Percent	5		
EXISTINGCNDDB_OCC	Short integer	Yes		Yes_No_Int	5		
HABITATDESCRIPTION	String	Yes					250
SITEOCCQUALITY	Short integer	Yes		Bot_Hab_Quality	5		
PHOTOS	String	Yes					250
GPS_ID	Long integer	Yes		GPSID	10		
QC_DONE	Short integer	Yes		Yes_No_Int	5		
ACCURACY_METERS	Double	Yes			38	8	
EDIT_DESC	String	Yes					250
EDIT_METH	String	Yes					250
GLOBALID	GUID	No			0	0	38
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
SHAPE	Geometry	Yes					
NUM_INDIVIDUALS_TEXT	String	Yes					10
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
HABITAT_TYPE	Short integer	Yes		Botany_Habitat_Type	5		
SHAPE.LEN	Double	No			0	0	

To: botany_line_has_photos

Simple feature class
botany_point

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
DATE_	Date	Yes			0	0	36
TIME_	String	Yes					50
OBSERVER1	String	Yes					50
OBSERVER2	String	Yes					50
SCIENTIFICNAME	Short integer	Yes		Botany_Species	5		
SURROUNDINGLANDUSE	String	Yes					250
VISIBLEDISTURBANCES	String	Yes					50
THREATS	String	Yes					50
DETERMINATION	Short integer	Yes		Bot_Determination	5		
PHOTOPLANT	Short integer	Yes		Yes_No_Int	5		
PHOTOHABITAT	Short integer	Yes		Yes_No_Int	5		
PHOTODIAGNOSTIC	Short integer	Yes		Yes_No_Int	5		
COMMENTS	String	Yes					250
ELEVATION	Double	Yes			38	8	
NUMINDIVIDUALS	Long integer	Yes			10		
PERCPHENVEGETATIVE	Short integer	Yes		Percent	5		
PERCPHENFLOWERING	Short integer	Yes		Percent	5		
PERCPHENFRUITING	Short integer	Yes		Percent	5		
EXISTINGCNDDB_OCC	Short integer	Yes		Yes_No_Int	5		
HABITATDESCRIPTION	String	Yes					250
SITEOCCQUALITY	Short integer	Yes		Bot_Hab_Quality	5		
PHOTOS	String	Yes					250
GPS_ID	Long integer	Yes		GPSID	10		
QC_DONE	Short integer	Yes		Yes_No_Int	5		
ACCURACY_METERS	Double	Yes			38	8	
EDIT_METH	String	Yes					15
EDIT_DESC	String	Yes					75
EDIT_SRC	String	Yes					25
GLOBALID	GUID	No			0	0	38
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
SHAPE	Geometry	Yes					
NUM_INDIVIDUALS_TEXT	String	Yes					10
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
HABITAT_TYPE	Short integer	Yes		Botany_Habitat_Type	5		

To: botany_point_has_photos

Field Surveys Geodatabase Schema Diagrams: Botany Repository 2 of 3

DRAFT

Simple feature class
botany_polygon

Geometry *Polygon*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
DATE_	Date	Yes			0	0	36
TIME_	String	Yes					50
OBSERVER1	String	Yes					50
OBSERVER2	String	Yes					50
SCIENTIFICNAME	Short integer	Yes		Botany_Species	5		
SURROUNDINGLANDUSE	String	Yes					250
VISIBLEDISTURBANCES	String	Yes					50
THREATS	String	Yes					50
DETERMINATION	Short integer	Yes		Bot_Determination	5		
PHOTOPLANT	Short integer	Yes		Yes_No_Int	5		
PHOTOHABITAT	Short integer	Yes		Yes_No_Int	5		
PHOTODIAGNOSTIC	Short integer	Yes		Yes_No_Int	5		
COMMENTS	String	Yes					250
ELEVATION	Double	Yes			38	8	
NUMINDIVIDUALS	Long integer	Yes			10		
PERCPHENVEGETATIVE	Short integer	Yes		Percent	5		
PERCPHENFLOWERING	Short integer	Yes		Percent	5		
PERCPHENFRUITING	Short integer	Yes		Percent	5		
EXISTINGCNDDB_OCC	Short integer	Yes		Yes_No_Int	5		
HABITATDESCRIPTION	String	Yes					250
SITEOCCQUALITY	Short integer	Yes		Bot_Hab_Quality	5		
PHOTOS	String	Yes					250
GPS_ID	Long integer	Yes		GPSID	10		
QC_DONE	Short integer	Yes		Yes_No_Int	5		
ACCURACY_METERS	Double	Yes			38	8	
EDIT_METH	String	Yes					250
EDIT_DESC	String	Yes					250
EDIT_SRC	String	Yes					250
GLOBALID	GUID	No			0	0	38
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
SHAPE	Geometry	Yes					
NUM_INDIVIDUALS_TEXT	String	Yes					10
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
HABITAT_TYPE	Short integer	Yes		Botany_Habitat_Type	5		
SHAPE.AREA	Double	No			0	0	
SHAPE.LEN	Double	No			0	0	

To: botany_polygon_has_photos

Simple feature class
botany_elderberry_line

Geometry *Polyline*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
OBSERVER1	String	Yes					50
OBSERVER2	String	Yes					50
FEATURETYPE	String	Yes	Point				50
SIZECATEGORY	Short integer	Yes		ElderberrySize	5		
HABITAT	Short integer	Yes		ElderberryHabitat	5		
ELEVATION	Double	Yes			38	8	
GPS_ID	Long integer	Yes		GPSID	10		
DATE_TIME_	Date	Yes			0	0	36
FIELDFORMQC	Short integer	Yes		Yes_No_Int	5		
NOTES	String	Yes					250
ACCURACY_METERS	Double	Yes			38	8	
GLOBALID	GUID	No			0	0	38
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
SHAPE	Geometry	Yes					
PHOTOS	String	Yes					50
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
SHAPE.LEN	Double	No			0	0	

To: botany_elderberry_line_has_photos

Simple feature class
botany_surveyed_locations

Geometry *Polygon*
Contains M values *No*
Contains Z values *No*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID_1	Object ID						
OBJECTID	Long integer	Yes			9		
COUNTY	String	Yes					50
APN_FORMAT	String	Yes					50
DESCRIPTIO	String	Yes					50
BLOCK2	String	Yes					10
SHAPE	Geometry	Yes					
GLOBALID	GUID	No			0	0	38
SHAPE.AREA	Double	No			0	0	
SHAPE.LEN	Double	No			0	0	

Simple feature class
botany_elderberry_point

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
OBSERVER1	String	Yes					50
OBSERVER2	String	Yes					50
FEATURETYPE	String	Yes	Point				50
SIZECATEGORY	Short integer	Yes		ElderberrySize	5		
HABITAT	Short integer	Yes		ElderberryHabitat	5		
ELEVATION	Double	Yes			38	8	
GPS_ID	Long integer	Yes		GPSID	10		
DATE_TIME_	Date	Yes			0	0	36
FIELDFORMQC	Short integer	Yes		Yes_No_Int	5		
NOTES	String	Yes					250
ACCURACY_METERS	Double	Yes			38	8	
GLOBALID	GUID	No			0	0	38
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
SHAPE	Geometry	Yes					
PHOTOS	String	Yes					50
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36

To: botany_elderberry_point_has_photos

Field Surveys Geodatabase Schema Diagrams: Botany Repository 3 of 3

DRAFT

To: botany_elderberry_line

Relationship class
botany_elderberry_line_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *BAT_PHOTOS_TABLE*
Backward label *botany_elderberry_line*

Origin feature class	Destination table
Name *botany_elderberry_line*	Name *BOTANY_PHOTOS_TABLE*
Primary key *GLOBALID*	
Foreign key *ELDERBERRY_LINE_*	

No relationship rules defined.

To: botany_elderberry_point

Relationship class
botany_elderberry_point_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *BOTANY_PHOTOS_TABLE*
Backward label *botany_elderberry_point*

Origin feature class	Destination table
Name *botany_elderberry_point*	Name *BOTANY_PHOTOS_TABLE*
Primary key *GLOBALID*	
Foreign key *ELDERBERRY_POINT_*	

No relationship rules defined.

Relationship class
botany_elderberry_polygon_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *BOTANY_PHOTOS_TABLE*
Backward label *botany_elderberry_polygon*

Origin feature class	Destination table
Name *botany_elderberry_polygon*	Name *BOTANY_PHOTOS_TABLE*
Primary key *GLOBALID*	
Foreign key *ELDERBERRY_POLYGON_*	

No relationship rules defined.

Relationship class
botany_line_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *BOTANY_PHOTOS_TABLE*
Backward label *botany_line*

Origin feature class	Destination table
Name *botany_line*	Name *BOTANY_PHOTOS_TABLE*
Primary key *GLOBALID*	
Foreign key *BOTANY_LINE_*	

No relationship rules defined.

Relationship class
botany_point_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *BOTANY_PHOTOS_TABLE*
Backward label *botany_point*

Origin feature class	Destination table
Name *botany_point*	Name *BOTANY_PHOTOS_TABLE*
Primary key *GLOBALID*	
Foreign key *BOTANY_POINT_*	

No relationship rules defined.

To: botany_line

To: botany_point

To: botany_polygon

Relationship class
botany_polygon_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *BOTANY_PHOTOS_TABLE*
Backward label *botany_polygon*

Origin feature class	Destination table
Name *botany_polygon*	Name *BOTANY_PHOTOS_TABLE*
Primary key *GLOBALID*	
Foreign key *BOTANY_POLYGON_*	

No relationship rules defined.

Simple feature class
botany_elderberry_polygon

Geometry *Polygon*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
OBSERVER1	String	Yes					50
OBSERVER2	String	Yes					50
FEATURETYPE	String	Yes	Point				50
SIZECATEGORY	Short integer	Yes		ElderberrySize	5		
HABITAT	Short integer	Yes		ElderberryHabitat	5		
ELEVATION	Double	Yes			38	8	
GPS_ID	Long integer	Yes		GPSID	10		
DATE_TIME_	Date	Yes			0	0	36
FIELDFORMQC	Short integer	Yes		Yes_No_Int	5		
NOTES	String	Yes					250
ACCURACY_METERS	Double	Yes			38	8	
GLOBALID	GUID	No			0	0	38
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
SHAPE	Geometry	Yes					
PHOTOS	String	Yes					50
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
SHAPE.AREA	Double	No			0	0	
SHAPE.LEN	Double	No			0	0	

Table
BOTANY_PHOTOS_TABLE

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
PHOTOS	Raster	Yes			0	0	4
GLOBALID	GUID	No			0	0	38
ELDERBERRY_LINE_	GUID	Yes			0	0	38
ELDERBERRY_POINT_	GUID	Yes			0	0	38
ELDERBERRY_POLYGON_	GUID	Yes			0	0	38
BOTANY_LINE_	GUID	Yes			0	0	38
BOTANY_POINT_	GUID	Yes			0	0	38
BOTANY_POLYGON_	GUID	Yes			0	0	38
PHOTO_SHOWS_BUILDINGS	Short integer	Yes		Yes_No_Int	5		

Field Surveys Geodatabase Schema Diagrams: Cultural

DRAFT

Line feature class
cultural_line

Point feature class
cultural_point

Polygon feature class
cultural_polygon

Simple feature class
cultural_line

Geometry *Polyline*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
SHAPE	Geometry	Yes					
Date_Time	Date	Yes			0	0	8
Observer1	String	Yes					50
Observer2	String	Yes					50
GPS_ID	Long integer	Yes		GPSID	0		
Description	String	Yes					250
ResourceAttributes	String	Yes					250
Resource_Building	Short integer	Yes		Yes_No_Int	0		
Resource_Structure	Short integer	Yes		Yes_No_Int	0		
Resource_Object	Short integer	Yes		Yes_No_Int	0		
Resource_Site	Short integer	Yes		Yes_No_Int	0		
Resource_District	Short integer	Yes		Yes_No_Int	0		
Resource_Element_District	Short integer	Yes		Yes_No_Int	0		
Resource_Other	Short integer	Yes		Yes_No_Int	0		
Describe_Other	String	Yes					250
Photos	String	Yes					250
Description_Photos	String	Yes					250
Historic	Short integer	Yes		Yes_No_Int	0		
Prehistoric	Short integer	Yes		Yes_No_Int	0		
Owner	String	Yes					50
OwnerAddress	String	Yes					75
Observer_Affiliate	String	Yes					50
Survey_Type	String	Yes					250
Field_Form_QC	Short integer	Yes		Yes_No_Int	0		
Accuracy_Meters	Double	Yes			0	0	
SHAPE_Length	Double	Yes			0	0	

Simple feature class
cultural_point

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
SHAPE	Geometry	Yes					
Date_Time	Date	Yes			0	0	8
Observer1	String	Yes					50
Observer2	String	Yes					50
GPS_ID	Long integer	Yes		GPSID	0		
Description	String	Yes					250
ResourceAttributes	String	Yes					250
Resource_Building	Short integer	Yes		Yes_No_Int	0		
Resource_Structure	Short integer	Yes		Yes_No_Int	0		
Resource_Object	Short integer	Yes		Yes_No_Int	0		
Resource_Site	Short integer	Yes		Yes_No_Int	0		
Resource_District	Short integer	Yes		Yes_No_Int	0		
Resource_Element_District	Short integer	Yes		Yes_No_Int	0		
Resource_Other	Short integer	Yes		Yes_No_Int	0		
Describe_Other	String	Yes					250
Photos	String	Yes					250
Description_Photos	String	Yes					250
Historic	Short integer	Yes		Yes_No_Int	0		
Prehistoric	Short integer	Yes		Yes_No_Int	0		
Owner	String	Yes					50
OwnerAddress	String	Yes					75
Observer_Affiliate	String	Yes					50
Survey_Type	String	Yes					250
Field_Form_QC	Short integer	Yes		Yes_No_Int	0		
Accuracy_Meters	Double	Yes			0	0	

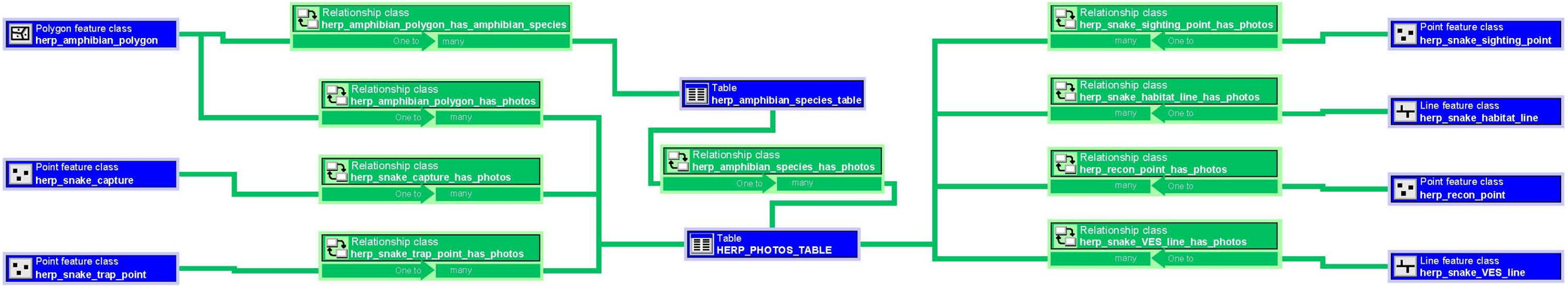
Simple feature class
cultural_polygon

Geometry *Polygon*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
SHAPE	Geometry	Yes					
Date_Time	Date	Yes			0	0	8
Observer1	String	Yes					50
Observer2	String	Yes					50
GPS_ID	Long integer	Yes		GPSID	0		
Description	String	Yes					250
ResourceAttributes	String	Yes					250
Resource_Building	Short integer	Yes		Yes_No_Int	0		
Resource_Structure	Short integer	Yes		Yes_No_Int	0		
Resource_Object	Short integer	Yes		Yes_No_Int	0		
Resource_Site	Short integer	Yes		Yes_No_Int	0		
Resource_District	Short integer	Yes		Yes_No_Int	0		
Resource_Element_District	Short integer	Yes		Yes_No_Int	0		
Resource_Other	Short integer	Yes		Yes_No_Int	0		
Describe_Other	String	Yes					250
Photos	String	Yes					250
Description_Photos	String	Yes					250
Historic	Short integer	Yes		Yes_No_Int	0		
Prehistoric	Short integer	Yes		Yes_No_Int	0		
Owner	String	Yes					50
OwnerAddress	String	Yes					75
Observer_Affiliate	String	Yes					50
Survey_Type	String	Yes					250
Field_Form_QC	Short integer	Yes		Yes_No_Int	0		
Accuracy_Meters	Double	Yes			0	0	
SHAPE_Length	Double	Yes			0	0	
SHAPE_Area	Double	Yes			0	0	

Field Surveys Geodatabase Schema Diagrams: Herpetofauna 1 of 4

DRAFT



Simple feature class
herp_recon_point

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

To: herp_recon_point_has_photos

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
SURVEYOR1	String	Yes					50
SURVEYOR2	String	Yes					50
GPS_ID	Long integer	Yes		GPSID	10		
DATE_TIME_	Date	Yes			0	0	36
SPECIES	String	Yes		herp_recon_species			50
PHOTOS	String	Yes					50
NOTES	String	Yes					250
FIELDFORMQC	Short integer	Yes		Yes_No_Int	5		
SHAPE	Geometry	Yes					
GLOBALID	GUID	No			0	0	38
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
YEAR	Long integer	Yes			10		

Simple feature class
herp_snake_sighting_point

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

To: herp_snake_sighting_point_has_photos

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
SURVEYOR1	String	Yes					50
SHAPE	Geometry	Yes					
SURVEYOR2	String	Yes					50
GPS_ID	Long integer	Yes		GPSID	10		
DATE_TIME_	Date	Yes			0	0	36
SPECIES	Short integer	Yes		Herp_Species	5		
AIR_TEMPERATURE	Double	Yes			38	8	
WATER_TEMPERATURE	Double	Yes			38	8	
GROUND_TEMPERATURE	Double	Yes			38	8	
WIND_SPEED	Double	Yes			38	8	
PHOTOS	String	Yes					50
NOTES	String	Yes					250
GLOBALID	GUID	No			0	0	38
FIELD_FORM_QC	Short integer	Yes		Yes_No_Int	5		
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
YEAR	Long integer	Yes			10		

Field Surveys Geodatabase Schema Diagrams: Herpetofauna 2 of 4

DRAFT

To: herp_amphibian_polygon_has_amphibian_species

Simple feature class
herp_amphibian_polygon

Geometry *Polygon*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
WATER_FEATURE_ID	String	Yes					50
SURVEYOR1	String	Yes					50
SURVEYOR2	String	Yes					50
DATE_TIME_	Date	Yes			0	0	36
GPS_ID	Long integer	Yes		GPSID	10		
CURRENT_HISTORIC_RANGE	Short integer	Yes		Yes_No_Int	5		
MILE_OF_KNOWN_SITES	Short integer	Yes		Yes_No_Int	5		
PARCEL_APN	String	Yes					50
WATER_BODY_TYPE	Short integer	Yes		WaterType	5		
OTHER_TYPE	String	Yes					250
WATER_BODY_DIMENSIONS	String	Yes					50
WATER_BODY_MAX_DEPTH	Double	Yes			38	8	
WATER_BODY_TEMP	Double	Yes			38	8	
WATER_BODY_TURBIDITY	String	Yes					50
WATER_BODY_SALINITY	Double	Yes			38	8	
WATER_BODY_EPHEMERAL	Short integer	Yes		Yes_No_Int	5		
WATER_BODY_PERENNIAL	Short integer	Yes		Yes_No_Int	5		
WATER_BODY_EPHEMERAL_DATE	String	Yes					25
SUBMERGENT_EMERGENT_VEG	String	Yes					250
DOMINANT_INVERTS_VERTS	String	Yes					250
PREDATORS_THREATS	String	Yes					250
STREAM_FULL_WIDTH	Double	Yes			38	8	
STREAM_MAX_DEPTH	Double	Yes			38	8	
STREAM_GRADIENT	Double	Yes			38	8	
POOLS_WITHIN_STREAM	Short integer	Yes		Yes_No_Int	5		
POOL_IN_STREAM_SIZE	String	Yes					50
POOL_IN_STREAM_MAX_DEPTH	Double	Yes			38	8	
STREAM_NON_POOL_HABITAT	Short integer	Yes		Frog_Stream_Habitat_Non_Pool	5		
OTHER_STREAM_NON_POOL_HABITAT	String	Yes					250
STREAM_DOMINANT_VEGETATION	String	Yes					75
STREAM_SUBSTRATE	String	Yes					50
STREAM_BANK_DESCRIPTION	String	Yes					250
STREAM_PERENNIAL	Short integer	Yes		Yes_No_Int	5		
STREAM_EPHEMERAL	Short integer	Yes		Yes_No_Int	5		
STREAM_EPHEMERAL_DATE	String	Yes					50
FIELDFORMQC	Short integer	Yes		Yes_No_Int	5		
SHAPE	Geometry	Yes					
GLOBALID	GUID	No			0	0	38
COMMENTS	String	Yes					250
PHOTOS	String	Yes					75
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
YEAR	Long integer	Yes			10		
SHAPE.AREA	Double	No			0	0	
SHAPE.LEN	Double	No			0	0	

To: herp_amphibian_polygon_has_photos

Simple feature class
herp_snake_capture

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
GPS_ID	Long integer	Yes		GPSID	10		
DATETIME_	Date	Yes			0	0	36
UTMNORTHING	Double	Yes			38	8	
UTMEASTING	Double	Yes			38	8	
OBSERVER1	String	Yes					20
OBSERVER2	String	Yes					20
PIT_NUM	String	Yes					50
SITE	String	Yes					20
TRAP_NUM	Long integer	Yes			10		
DNA_COLLECTED	Short integer	Yes		Yes_No_Int	5		
SEX	String	Yes		Sex			5
SUPRALABIALS_L	Long integer	Yes			10		
SUPRALABIALS_R	Long integer	Yes			10		
SUPRALABIALS_TOTAL	Long integer	Yes			10		
INFRALABIALS_L	Long integer	Yes			10		
INFRALABIALS_R	Long integer	Yes			10		
INFRALABIALS_TOTAL	Long integer	Yes			10		
PREOCULARS_L	Long integer	Yes			10		
PREOCULARS_R	Long integer	Yes			10		
PREOCULARS_TOTAL	Long integer	Yes			10		
POSTOCULARS_L	Long integer	Yes			10		
POSTOCULARS_R	Long integer	Yes			10		
POSTOCULARS_TOTAL	Long integer	Yes			10		
DORSAL_SCALE_ROWS	Short integer	Yes			5		
SUBCAUDAL_COUNT	Short integer	Yes			5		
INR	Double	Yes			38	8	
NR	Double	Yes			38	8	
W_OF_S6	String	Yes					25
W_OF_S7	String	Yes					25
CAPTURE_TYPE	Long integer	Yes		SnakeCaptureType	10		
RECAPTURE	Short integer	Yes		Yes_No_Int	5		
RECAPTURE_NUM	Short integer	Yes			5		
NOTES	String	Yes					250
PHOTOS	String	Yes					100
QA_QC	Short integer	Yes		Yes_No_Int	5		
MASS_G	Double	Yes			38	8	
VTL_MM	Double	Yes			38	8	
SVL_MM	Double	Yes			38	8	
ACCURACY_METERS	Double	Yes			38	8	
SPECIES	Short integer	Yes		Herp_Species	5		
VENTRALSCUTECODE	String	Yes					50
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
SHAPE	Geometry	Yes					
GLOBALID	GUID	No			0	0	38
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36

To: herp_snake_capture_has_photos

Field Surveys Geodatabase Schema Diagrams: Herpetofauna 3 of 4

DRAFT

To: herp_snake_trap_point_has_photos

Simple feature class
herp_snake_trap_point

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
GPS_ID	Long integer	Yes		GPSID	10		
OBSERVER1	String	Yes					25
OBSERVER2	String	Yes					25
UTM_NORTHING	Double	Yes			38	8	
UTM_EASTING	Double	Yes			38	8	
DATETIME_	Date	Yes			0	0	36
SITE	String	Yes					50
TRAP_NUM	Long integer	Yes			10		
STARTDATE	String	Yes					25
ENDDATE	String	Yes					25
HABITAT	Short integer	Yes		Herp_Habitat_Cap_sit	5		
HABITAT_MOD	Short integer	Yes		Herp_Habitat_Mod	5		
DOMINANT_AQU_VEG	String	Yes					50
DOM_AQU_VEG_PER_COV	Short integer	Yes			5		
DOMINANT_TER_VEG	String	Yes					50
DOM_TER_VEG_PER_COV	Short integer	Yes			5		
ADJACENT_LAND_USE	String	Yes					250
NOTES	String	Yes					250
PHOTOS	String	Yes					100
QA_QC	Short integer	Yes		Yes_No_Int	5		
ACCURACY_METERS	Double	Yes			38	8	
LINE_NUM	Short integer	Yes			5		
EDIT_DESC	String	Yes					75
EDIT_SRC	String	Yes					25
GLOBALID	GUID	No			0	0	38
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
SHAPE	Geometry	Yes					
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
TRAP_NUM_TEXT	String	Yes					20

To: herp_snake_habitat_line_has_photos

Simple feature class
herp_snake_habitat_line

Geometry *Polyline*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
SITE_NAME	String	Yes					75
LINE_ID	Short integer	Yes			5		
PARCEL_NUM	String	Yes					50
HABITAT_TYPE	String	Yes					30
SURVEYOR1	String	Yes					50
SURVEYOR2	String	Yes					50
GPS_ID	Long integer	Yes		GPSID	10		
SURVEY_DATES	String	Yes					25
EVALUATION_DATE_	Date	Yes			0	0	36
PHOTOS	String	Yes					250
ONE_A	Short integer	Yes			5		
ONE_B	Short integer	Yes			5		
ONE_C	Short integer	Yes			5		
TWO_A	Short integer	Yes			5		
TWO_B	Short integer	Yes			5		
THREE_A	Short integer	Yes			5		
THREE_B	Short integer	Yes			5		
FOUR	Short integer	Yes			5		
FIVE	Short integer	Yes			5		
SIX_SCORE	Short integer	Yes			5		
SIX_TEXT_	String	Yes					100
SEVEN_A_SCORE	Short integer	Yes			5		
SEVEN_A_TEXT_	String	Yes					100
SEVEN_B_SCORE	Short integer	Yes			5		
SEVEN_B_TEXT_	String	Yes					100
EIGHT_A	Short integer	Yes			5		
EIGHT_B	Short integer	Yes			5		
NINE	Short integer	Yes			5		
TEN	Short integer	Yes			5		
ELEVEN	Short integer	Yes			5		
TWELVE	Short integer	Yes			5		
THIRTEEN_A	Short integer	Yes			5		
THIRTEEN_B	Short integer	Yes			5		
THIRTEEN_C	Short integer	Yes			5		
THIRTEEN_D	Short integer	Yes			5		
FOURTEEN	Short integer	Yes			5		
FIFTEEN	Short integer	Yes			5		
TOTAL_SCORE	Short integer	Yes			5		
HABITAT_VALUE	String	Yes					10
NOTES	String	Yes					250
EDITOR_NAME	String	Yes					25
FIELD_FORM_QC	Short integer	Yes		Yes_No_Int	5		
SHAPE	Geometry	Yes					
EDIT_DATE	Date	Yes			0	0	36
TEMP	Long integer	Yes			10		
GLOBALID	GUID	No			0	0	38
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
YEAR	Long integer	Yes			10		
SHAPE.LEN	Double	No			0	0	

To: herp_snake_VES_line_has_photos

Simple feature class
herp_snake_VES_line

Geometry *Polyline*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
GPS_ID	Long integer	Yes		GPSID	10		
DATETIME_	Date	Yes			0	0	36
OBSERVER1	String	Yes					50
OBSERVER2	String	Yes					50
SITE	String	Yes					75
SURVEYORAFFIL	String	Yes					100
STARTTIME	String	Yes					50
ENDTIME	String	Yes					50
TOTALTIME	String	Yes					50
STARTAIRTEMP_F	Short integer	Yes			5		
ENDAIRTEMP_F	Short integer	Yes			5		
WATERTEMP_F	Short integer	Yes			5		
STARTGROUNDTEMP_F	Short integer	Yes			5		
ENDGROUNDTEMP_F	Short integer	Yes			5		
PERCCLOUDCOVER	Short integer	Yes			5		
WINDSPEED	Short integer	Yes			5		
WINDDIRECTION	Long integer	Yes		WindDirection	10		
NUMCAPTUREDGGS	Short integer	Yes			5		
NUMOTHERCAPTUREDGS	Short integer	Yes			5		
PHOTOSTAKEN	Short integer	Yes		Yes_No_Int	5		
DISTANCESURVEYED	String	Yes					25
OTHEROBSERVATIONS	String	Yes					250
PHOTOS	String	Yes					250
FIELDFORMQC	Short integer	Yes		Yes_No_Int	5		
NOTES	String	Yes					250
ACCURACY_METERS	Double	Yes			38	8	
GLOBALID	GUID	No			0	0	38
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
SHAPE	Geometry	Yes					
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
SHAPE.LEN	Double	No			0	0	

Field Surveys Geodatabase Schema Diagrams: Herpetofauna 4 of 4

DRAFT

To: herp_amphibian_polygon

Relationship class
herp_amphibian_polygon_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *HERP_PHOTOS_TABLE*
Backward label *herp_amphibian_polygon*

Origin feature class	Destination table
Name *herp_amphibian_polygon*	Name *HERP_PHOTOS_TABLE*
Primary key *WATER_FEATURE_ID*	
Foreign key *AMPHIBIAN_POLYGON*	

No relationship rules defined.

To: herp_snake_habitat_line

Relationship class
herp_snake_habitat_line_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *HERP_PHOTOS_TABLE*
Backward label *herp_snake_habitat_line*

Origin feature class	Destination table
Name *herp_snake_habitat_line*	Name *HERP_PHOTOS_TABLE*
Primary key *GLOBALID*	
Foreign key *SNAKE_HABITAT_LINE*	

No relationship rules defined.

To: herp_snake_capture

Relationship class
herp_snake_capture_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *HERP_PHOTOS_TABLE*
Backward label *herp_snake_capture*

Origin feature class	Destination table
Name *herp_snake_capture*	Name *HERP_PHOTOS_TABLE*
Primary key *GLOBALID*	
Foreign key *SNAKE_CAPTURE_*	

No relationship rules defined.

To: herp_snake_trap_point

Relationship class
herp_snake_trap_point_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *HERP_PHOTOS_TABLE*
Backward label *herp_snake_trap_point*

Origin feature class	Destination table
Name *herp_snake_trap_point*	Name *HERP_PHOTOS_TABLE*
Primary key *GLOBALID*	
Foreign key *SNAKE_TRAP_*	

No relationship rules defined.

Table
herp_amphibian_species_table

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
SURVEYOR1	String	Yes					50
SURVEYOR2	String	Yes					50
GPS_ID	Long integer	Yes		GPSID	10		
SURVEYTYPE1	Short integer	Yes		FrogSurveyType	5		
SURVEYTYPE2	Short integer	Yes		FrogSurveyType2	5		
NUM_SURVEY_VISITS	Short integer	Yes			5		
PHOTOS	String	Yes					150
SPECIES	String	Yes		herp_amphibian_specie s			50
NUM_INDIVIDUALS	Long integer	Yes			10		
OBSERVED_OR_HEARD	String	Yes		herp_amphibian_osberv ed_or_heard			50
LIFE_STAGE	String	Yes		amphibian_life_stages			50
SIZE_CLASS	Short integer	Yes		amphibian_size_class	5		
ID_CERTAINTY	String	Yes					50
BEGIN_TIME	String	Yes					20
END_TIME	String	Yes					20
CLOUD_COVER	String	Yes					25
PRECIPITATION	String	Yes					25
AIR_TEMPERATURE	Double	Yes			38	8	
WIND_SPEED	Double	Yes			38	8	
VISIBILITY	String	Yes					50
MOON_PHASE	String	Yes					50
HUMIDITY	Double	Yes			38	8	
WEATHER_DESCRIPTION	String	Yes					250
LIGHT_BRAND_NAME_MODEL	String	Yes					100
BINOCULAR_USED	Short integer	Yes		Yes_No_Int	5		
BINOCULAR_BRAND_NAME_MODEL	String	Yes					150
BINOCULAR_POWER	String	Yes					30
WATER_DIMENSIONS	String	Yes					50
WATER_MAX_DEPTH	Double	Yes			38	8	
WATER_TEMPERATURE	Double	Yes			38	8	
WATER_TURBIDITY	String	Yes					50
WATER_SALINITY	Double	Yes			38	8	
DATE_TIME_	Date	Yes			0	0	36
WATER_FEATURE_ID	String	Yes					50
GLOBALID	GUID	No			0	0	38
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
YEAR	Long integer	Yes			10		

Table
HERP_PHOTOS_TABLE

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
PHOTO	Raster	Yes			0	0	4
GLOBALID	GUID	No			0	0	38
AMPHIBIAN_POLYGON	String	Yes					50
SNAKE_HABITAT_LINE_	GUID	Yes			0	0	38
SNAKE_CAPTURE_	GUID	Yes			0	0	38
SNAKE_TRAP_	GUID	Yes			0	0	38
SNAKE_VES_LINE_	GUID	Yes			0	0	38
RECON_POINT_	GUID	Yes			0	0	38
SNAKE_SIGHTING_POINT_	GUID	Yes			0	0	38
AMPHIBIAN_SPECIES_TABLE_	GUID	Yes			0	0	38
PHOTO_SHOWS_BUILDINGS	Short integer	Yes		Yes_No_Int	5		

To: herp_amphibian_polygon

Relationship class
herp_amphibian_polygon_has_amphibian_species

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *herp_amphibian_species_table*
Backward label *herp_amphibian_polygon*

Destination table	Origin feature class
Name *herp_amphibian_species_table*	Name *herp_amphibian_polygon*
	Primary key *WATER_FEATURE_ID*
	Foreign key *WATER_FEATURE_ID*

No relationship rules defined.

To: herp_snake_VES_line

Relationship class
herp_snake_VES_line_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *HERP_PHOTOS_TABLE*
Backward label *herp_snake_VES_line*

Destination table	Origin feature class
Name *HERP_PHOTOS_TABLE*	Name *herp_snake_VES_line*
	Primary key *GLOBALID*
	Foreign key *SNAKE_VES_LINE_*

No relationship rules defined.

Relationship class
herp_amphibian_species_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *HERP_PHOTOS_TABLE*
Backward label *herp_amphibian_species_table*

Origin feature class	Destination table
Name *herp_amphibian_species_table*	Name *HERP_PHOTOS_TABLE*
Primary key *GLOBALID*	
Foreign key *AMPHIBIAN_SPECIES_TABLE_*	

No relationship rules defined.

To: herp_recon_point

Relationship class
herp_recon_point_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *HERP_PHOTOS_TABLE*
Backward label *herp_recon_point*

Destination table	Origin feature class
Name *HERP_PHOTOS_TABLE*	Name *herp_recon_point*
	Primary key *GLOBALID*
	Foreign key *RECON_POINT_*

No relationship rules defined.

To: herp_snake_sighting_point

Relationship class
herp_snake_sighting_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *HERP_PHOTOS_TABLE*
Backward label *herp_snake_sighting_point*

Destination table	Origin feature class
Name *HERP_PHOTOS_TABLE*	Name *herp_snake_sighting_point*
	Primary key *GLOBALID*
	Foreign key *SNAKE_SIGHTING_POINT_*

No relationship rules defined.

Field Surveys Geodatabase Schema Diagrams: Incidental Observations

DRAFT

Simple feature class
incidental_observation_point

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
HAB_STOCKPONDS	Short integer	Yes		Yes_No_Int	5		
HAB_VERNALPOOLS	Short integer	Yes		Yes_No_Int	5		
HAB_SANDYDUNES	Short integer	Yes		Yes_No_Int	5		
HAB_MARSH	Short integer	Yes		Yes_No_Int	5		
HAB_RIPARIANWOODLAND	Short integer	Yes		Yes_No_Int	5		
HAB_GRASSLAND	Short integer	Yes		Yes_No_Int	5		
HAB_OTHER	String	Yes					20
BIRD_CRANESGEESE	Short integer	Yes		Yes_No_Int	5		
BIRD_IBISNEST	Short integer	Yes		Yes_No_Int	5		
BIRD_ROOKERYHERONRY	Short integer	Yes		Yes_No_Int	5		
BIRD_BURROWINGOWL	Short integer	Yes		Yes_No_Int	5		
BIRD_OWLNEST	Short integer	Yes		Yes_No_Int	5		
BIRD_BLACKBIRDNEST	Short integer	Yes		Yes_No_Int	5		
BIRD_SONGBIRDNEST	Short integer	Yes		Yes_No_Int	5		
BIRD_RAPTORNEST	Short integer	Yes		Yes_No_Int	5		
BIRD_COMMENTS	String	Yes					250
MAM_BATSTRUCTURES	Short integer	Yes		Yes_No_Int	5		
MAM_SMALLRABBITS	Short integer	Yes		Yes_No_Int	5		
MAM_GROUNDSQUIRREL	Short integer	Yes		Yes_No_Int	5		
MAM_COMMENTS	String	Yes					250
INV_ELDERBERRY	Short integer	Yes		Yes_No_Int	5		
INV_VPSHRIMP	Short integer	Yes		Yes_No_Int	5		
INV_COMMENTS	String	Yes					250
REP_BURROWSVPGRASSLAND	Short integer	Yes		Yes_No_Int	5		
REP_SLOWSTREAMDITCH	Short integer	Yes		Yes_No_Int	5		
REP_COMMENTS	String	Yes					250
PLANT_COMMENTS	String	Yes					250
CULT_PREHISTORIC	Short integer	Yes		Yes_No_Int	5		
CULT_HISTORIC	Short integer	Yes		Yes_No_Int	5		
CULT_BUILDINGS	Short integer	Yes		Yes_No_Int	5		
CULT_COMMENTS	String	Yes					250
SITE_WELLS	Short integer	Yes		Yes_No_Int	5		
SITE_FUELTANKS	Short integer	Yes		Yes_No_Int	5		
SITE_PITSSUMPS	Short integer	Yes		Yes_No_Int	5		
SITE_DRUMS	Short integer	Yes		Yes_No_Int	5		
SITE_CHEMICALSTORAGE	Short integer	Yes		Yes_No_Int	5		
SITE_CHEMICALSPILL	Short integer	Yes		Yes_No_Int	5		
SITE_LEAKINGCONTAINERS	Short integer	Yes		Yes_No_Int	5		
SITE_TRANSFORMERS	Short integer	Yes		Yes_No_Int	5		
SITE_SEPTICTANK	Short integer	Yes		Yes_No_Int	5		
SITE_LANDFILL	Short integer	Yes		Yes_No_Int	5		
SITE_INDUSTRIAL	Short integer	Yes		Yes_No_Int	5		
SITE_COMMENTS	String	Yes					250
REC_COMMENTS	String	Yes					250
OBSERVER1	String	Yes					50
OBSERVER2	String	Yes					50
DATE_	Date	Yes			0	0	36
TIME_	String	Yes					50
ELEVATION	Double	Yes			38	8	
PHOTOS	String	Yes					250
GPS_ID	Long integer	Yes		GPSID	10		
FIELDFORMQC	Short integer	Yes		Yes_No_Int	5		
INV_FISH_N_VP	Short integer	Yes		Yes_No_Int	5		
INV_VP_ENDEMICPLANTS	Short integer	Yes		Yes_No_Int	5		
REP_TADPOLES	Short integer	Yes		Yes_No_Int	5		
ACCURACY_METERS	Double	Yes			38	8	
GLOBALID	GUID	No			0	0	38
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
SHAPE	Geometry	Yes					
RAPTOR_NEST_GROUND	Short integer	Yes		Yes_No_Int	5		
BIRDS_CRANE_GEESE	Short integer	Yes		Yes_No_Int	5		
PARCEL_APN	String	Yes					30

Relationship class
incidental_observations_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*

Forward label *INCIDENTAL_PHOTOS_TABLE*
Backward label *incidental_observation_point*

Origin feature class
Name *incidental_observation_point*
Primary key *GLOBALID*
Foreign key *FOREIGNKEY*

Destination table
Name *INCIDENTAL_PHOTOS_TABLE*

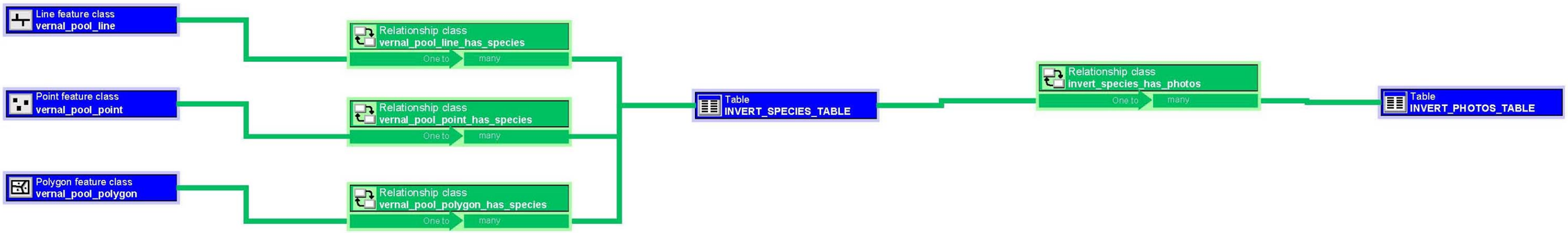
No relationship rules defined.

Table
INCIDENTAL_PHOTOS_TABLE

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
FOREIGNKEY	GUID	Yes			0	0	38
PHOTO_CONTAINS_BUILDING	Short integer	Yes		Yes_No_Int	5		
PHOTO	Raster	Yes			0	0	4

Field Surveys Geodatabase Schema Diagrams: Vernal Pool Invertebrates 1 of 2

DRAFT



Simple feature class
vernal_pool_line

Geometry *Polyline*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
POOL_ID	String	Yes					20
SURVEYOR1	String	Yes					25
SURVEYOR2	String	Yes					25
GPS_ID	Long integer	Yes			10		
PARCEL_APN	String	Yes					50
DATE_TIME_	Date	Yes			0	0	36
SITE	String	Yes					50
MAX_DEPTH_IN	Double	Yes			38	8	
SURFACE_AREA_M	String	Yes					20
WATER_TEMP_C	Double	Yes			38	8	
NOTES	String	Yes					250
VP	String	Yes					50
ACCURACY_METERS	Double	Yes			38	8	
FIELD_FORM_QC	Short integer	Yes		Yes_No_Int	5		
QC_BY	String	Yes					15
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
YEAR	Long integer	Yes			10		
SHAPE	Geometry	Yes					
GLOBALID	GUID	No			0	0	38
SHAPE.LEN	Double	No			0	0	

Relationship class
vernal_pool_line_has_species

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *INVERT_SPECIES_TABLE*
Backward label *vernal_pool_line*

Origin feature class
Name *vernal_pool_line*
Primary key *POOL_ID*
Foreign key *VP_LINE*

Destination table
Name *INVERT_SPECIES_TABLE*

No relationship rules defined.

To: INVERT_SPECIES_TABLE

Simple feature class
vernal_pool_point

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
POOL_ID	String	Yes					20
SURVEYOR1	String	Yes					25
SURVEYOR2	String	Yes					25
GPS_ID	Long integer	Yes			10		
PARCEL_APN	String	Yes					50
DATE_TIME_	Date	Yes			0	0	36
SITE	String	Yes					50
MAX_DEPTH_IN	Double	Yes			38	8	
SURFACE_AREA_M	String	Yes					20
WATER_TEMP_C	Double	Yes			38	8	
NOTES	String	Yes					250
VP	String	Yes					50
ACCURACY_METERS	Double	Yes			38	8	
FIELD_FORM_QC	Short integer	Yes		Yes_No_Int	5		
QC_BY	String	Yes					15
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
YEAR	Long integer	Yes			10		
SHAPE	Geometry	Yes					
GLOBALID	GUID	No			0	0	38

Relationship class
vernal_pool_point_has_species

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *INVERT_SPECIES_TABLE*
Backward label *vernal_pool_point*

Origin feature class
Name *vernal_pool_point*
Primary key *POOL_ID*
Foreign key *VP_POINT*

Destination table
Name *INVERT_SPECIES_TABLE*

No relationship rules defined.

To: INVERT_SPECIES_TABLE

Simple feature class
vernal_pool_polygon

Geometry *Polygon*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
POOL_ID	String	Yes					20
SURVEYOR1	String	Yes					25
SURVEYOR2	String	Yes					25
GPS_ID	Long integer	Yes			10		
PARCEL_APN	String	Yes					50
DATE_TIME_	Date	Yes			0	0	36
SITE	String	Yes					50
MAX_DEPTH_IN	Double	Yes			38	8	
SURFACE_AREA_M	String	Yes					20
WATER_TEMP_C	Double	Yes			38	8	
NOTES	String	Yes					250
VP	String	Yes					50
ACCURACY_METERS	Double	Yes			38	8	
FIELD_FORM_QC	Short integer	Yes		Yes_No_Int	5		
QC_BY	String	Yes					15
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
YEAR	Long integer	Yes			10		
SHAPE	Geometry	Yes					
GLOBALID	GUID	No			0	0	38
SHAPE.AREA	Double	No			0	0	
SHAPE.LEN	Double	No			0	0	

Relationship class
vernal_pool_polygon_has_species

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *INVERT_SPECIES_TABLE*
Backward label *vernal_pool_polygon*

Origin feature class
Name *vernal_pool_polygon*
Primary key *POOL_ID*
Foreign key *VP_POLYGON*

Destination table
Name *INVERT_SPECIES_TABLE*

No relationship rules defined.

To: INVERT_SPECIES_TABLE

Field Surveys Geodatabase Schema Diagrams: Vernal Pool Invertebrates 2 of 2

DRAFT

To: vernal_pool_polygon_has_species

To: vernal_pool_line_has_species

To: vernal_pool_point_has_species

Table
INVERT_SPECIES_TABLE

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
SURVEYOR1	String	Yes					50
SURVEYOR2	String	Yes					25
DATE_TIME	Date	Yes			0	0	36
WEATHER	String	Yes					75
START_TIME	String	Yes					50
END_TIME	String	Yes					50
PHOTOS	String	Yes					150
MAX_DEPTH_IN	Double	Yes			38	8	
SUFACE_AREA_M	String	Yes					20
WATER_TEMP_C	Double	Yes			38	8	
BRLY	Short integer	Yes		Magnitude	5		
BRLI	Short integer	Yes		Magnitude	5		
BRSP	Short integer	Yes		Magnitude	5		
LEPA	Short integer	Yes		Magnitude	5		
LIOC	Short integer	Yes		Magnitude	5		
BRCO	Short integer	Yes		Magnitude	5		
BRLO	Short integer	Yes		Magnitude	5		
BRMA	Short integer	Yes		Magnitude	5		
BRME	Short integer	Yes		Magnitude	5		
CYCA	Short integer	Yes		Magnitude	5		
AMPHIPODA	Short integer	Yes	0	Yes_No_Int	5		
ANISOPTERA	Short integer	Yes	0	Yes_No_Int	5		
BELOSTOMATIDAE	Short integer	Yes	0	Yes_No_Int	5		
CERATOPOGONIDAE	Short integer	Yes	0	Yes_No_Int	5		
CHIRONOMIDAE	Short integer	Yes	0	Yes_No_Int	5		
CLADOCERA	Short integer	Yes	0	Yes_No_Int	5		
COPEPODS	Short integer	Yes	0	Yes_No_Int	5		
CORIXIDAE	Short integer	Yes	0	Yes_No_Int	5		
CULICIDAE	Short integer	Yes	0	Yes_No_Int	5		
DYTISCIDAE	Short integer	Yes	0	Yes_No_Int	5		
EPHYDRIDAE	Short integer	Yes	0	Yes_No_Int	5		
GASTROPODAE	Short integer	Yes	0	Yes_No_Int	5		
HYDRACARINA	Short integer	Yes	0	Yes_No_Int	5		
HYDROPHILIDAE	Short integer	Yes	0	Yes_No_Int	5		
MICROTURBELLARIA	Short integer	Yes	0	Yes_No_Int	5		
NOTONECTIDAE	Short integer	Yes	0	Yes_No_Int	5		
OSTRACODS	Short integer	Yes	0	Yes_No_Int	5		
SYRPHIDAE	Short integer	Yes	0	Yes_No_Int	5		
ZYGOPTERA	Short integer	Yes	0	Yes_No_Int	5		
AMPHIBIANS	Short integer	Yes	0	Yes_No_Int	5		
AMPHIBIAN_SPECIES	String	Yes					100
OTHER	String	Yes					100
NOTES	String	Yes					250
VP_POINT	String	Yes					25
VP_LINE	String	Yes					25
VP_POLYGON	String	Yes					25
QC_BY	String	Yes					15
EDITOR_NAME	String	Yes					25
EDIT_DATE	Date	Yes			0	0	36
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
YEAR	Long integer	Yes			10		
GLOBALID_1	GUID	No			0	0	38

Relationship class
invert_species_has_photos

Type *Simple*
Cardinality *One to many*
Notification *Forward*

Forward label *INVERT_PHOTOS_TABLE*
Backward label *INVERT_SPECIES_TABLE*

Origin feature class
Name *INVERT_SPECIES_TABLE*
Primary key *GLOBALID_1*
Foreign key *FOREIGNKEY_*

Destination table
Name *INVERT_PHOTOS_TABLE*

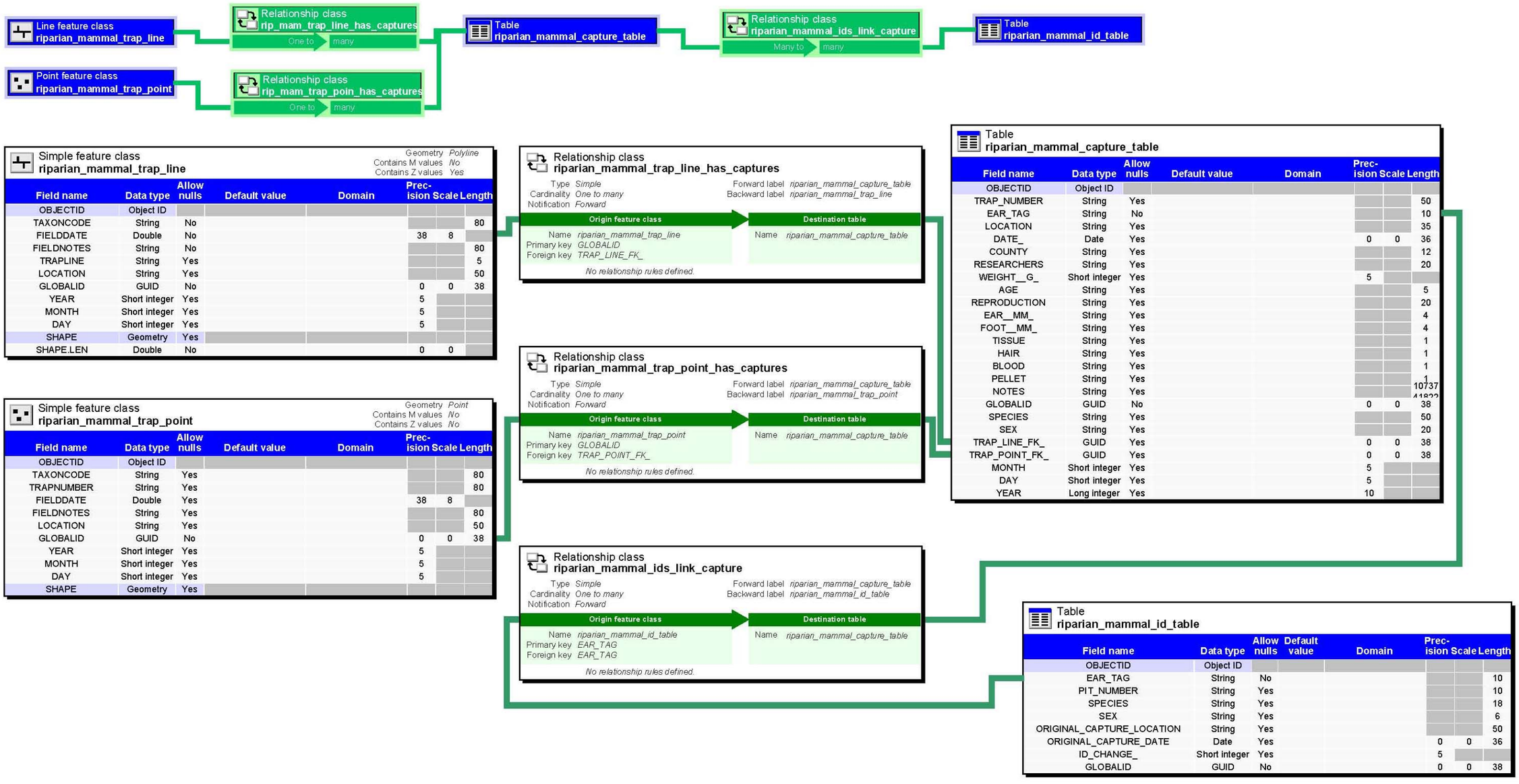
No relationship rules defined.

Table
INVERT_PHOTOS_TABLE

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
PHOTO	Raster	Yes			0	0	4
GLOBALID	GUID	No			0	0	38
FOREIGNKEY_	GUID	Yes			0	0	38
PHOTO_SHOWS_BUILDINGS	Short integer	Yes		Yes_No_Int	5		

Field Surveys Geodatabase Schema Diagrams: Riparian Mammals

DRAFT



Simple feature class: riparian_mammal_trap_line

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
TAXONCODE	String	No					80
FIELDDATE	Double	No			38	8	
FIELDNOTES	String	No					80
TRAPLINE	String	Yes					5
LOCATION	String	Yes					50
GLOBALID	GUID	No			0	0	38
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
SHAPE	Geometry	Yes					
SHAPE.LEN	Double	No			0	0	

Simple feature class: riparian_mammal_trap_point

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
TAXONCODE	String	Yes					80
TRAPNUMBER	String	Yes					80
FIELDDATE	Double	Yes			38	8	
FIELDNOTES	String	Yes					80
LOCATION	String	Yes					50
GLOBALID	GUID	No			0	0	38
YEAR	Short integer	Yes			5		
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
SHAPE	Geometry	Yes					

Table: riparian_mammal_capture_table

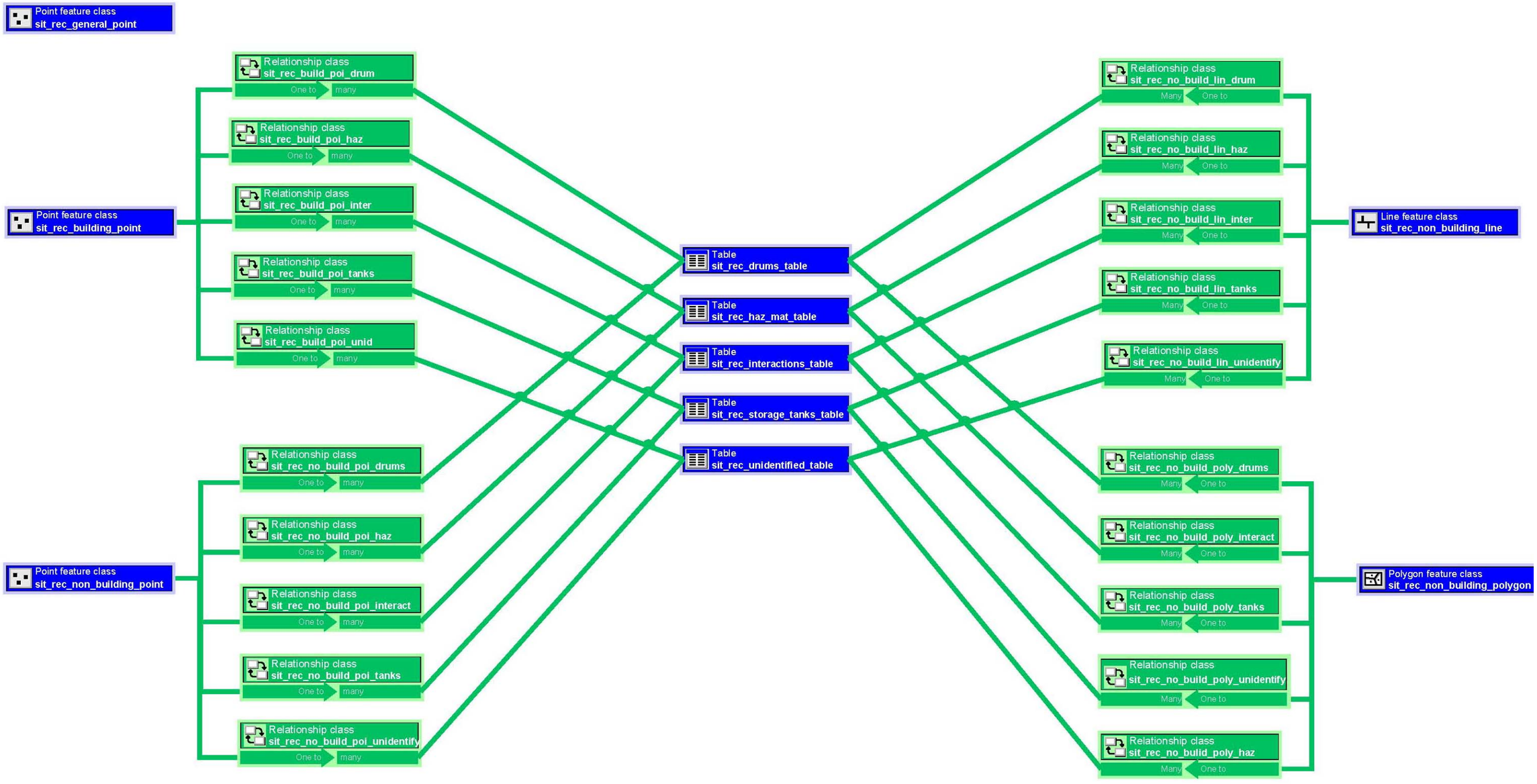
Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
TRAP_NUMBER	String	Yes					50
EAR_TAG	String	No					10
LOCATION	String	Yes					35
DATE_	Date	Yes			0	0	36
COUNTY	String	Yes					12
RESEARCHERS	String	Yes					20
WEIGHT__G_	Short integer	Yes			5		
AGE	String	Yes					5
REPRODUCTION	String	Yes					20
EAR__MM_	String	Yes					4
FOOT__MM_	String	Yes					4
TISSUE	String	Yes					1
HAIR	String	Yes					1
BLOOD	String	Yes					1
PELLET	String	Yes					1
NOTES	String	Yes					10737
GLOBALID	GUID	No			0	0	38
SPECIES	String	Yes					50
SEX	String	Yes					20
TRAP_LINE_FK_	GUID	Yes			0	0	38
TRAP_POINT_FK_	GUID	Yes			0	0	38
MONTH	Short integer	Yes			5		
DAY	Short integer	Yes			5		
YEAR	Long integer	Yes			10		

Table: riparian_mammal_id_table

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
EAR_TAG	String	No					10
PIT_NUMBER	String	Yes					10
SPECIES	String	Yes					18
SEX	String	Yes					6
ORIGINAL_CAPTURE_LOCATION	String	Yes					50
ORIGINAL_CAPTURE_DATE	Date	Yes			0	0	36
ID_CHANGE_	Short integer	Yes			5		
GLOBALID	GUID	No			0	0	38

Field Surveys Geodatabase Schema Diagrams: Site Reconnaissance 1 of 4

DRAFT



Field Surveys Geodatabase Schema Diagrams: Site Reconnaissance 2 of 4

DRAFT

Simple feature class
site_recon_general_point

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Prec-ision	Scale	Length
OBJECTID	Object ID						
SHAPE	Geometry	Yes					
DateTime_	Date	Yes			0	0	8
Observer1	String	Yes					50
Observer2	String	Yes					50
GPS_ID	Long integer	Yes		GPSID	0		
CurrentUses	String	Yes					250
TreatHazMat	Short integer	Yes		Yes_No_Int	0		
StoreHazMat	Short integer	Yes		Yes_No_Int	0		
DisposeHazMat	Short integer	Yes		Yes_No_Int	0		
GenerateHazMat	Short integer	Yes		Yes_No_Int	0		
PastUses	String	Yes					250
AdjoiningPropertyUses	String	Yes					250
SurroundingAreaUses	String	Yes					250
SurroundingAreaResidential	Short integer	Yes		Yes_No_Int	0		
SurroundingAreaCommercial	Short integer	Yes		Yes_No_Int	0		
SurroundingAreaIndustrial	Short integer	Yes		Yes_No_Int	0		
Topography	String	Yes					250
Structures	String	Yes					250
NumOfStructures	Short integer	Yes			0		
NumOfStories	Short integer	Yes			0		
StructuresAge	Short integer	Yes			0		
Roads	String	Yes					250
PublicThoroughfares	Short integer	Yes		Yes_No_Int	0		
AdjoiningPropRoads	Short integer	Yes		Yes_No_Int	0		
Streets	Short integer	Yes		Yes_No_Int	0		
ParkingFacilities	Short integer	Yes		Yes_No_Int	0		
PotableWaterSource	String	Yes					250
SewageDisposalSource	String	Yes					250
AgeOfSewageDisposalSource	Short integer	Yes			0		
FormQ_C	Short integer	Yes		Yes_No_Int	0		
Photos	String	Yes					250
Average_Accuracy_Meters	Double	Yes			0	0	

Field Surveys Geodatabase Schema Diagrams: Site Reconnaissance 3 of 4

Simple feature class
site_recon_building_point

Geometry *Point*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
SHAPE	Geometry	Yes					
Date_Time	Date	Yes			0	0	8
Observer1	String	Yes					50
Observer2	String	Yes					50
GPS_ID	Long integer	Yes		GPSID	0		
CurrentUse	String	Yes					250
PastUse	String	Yes					250
OdorsDescribe	String	Yes					250
OdorsSource	String	Yes					50
PoolsOfLiquid	String	Yes					250
PCB	String	Yes					250
HeatingCooling	String	Yes					250
StainsCorrosion	String	Yes					250
DrainsSumps	String	Yes					250
Pictures	String	Yes					250
Average_Accuracy_Meters	Double	Yes			0	0	
Data_Form_Q_C	Short integer	Yes		Yes_No_Int	0		

Relationship class
sit_rec_build_poi_drum

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *site_recon_drums_table*
Backward label *site_recon_building_point*

Origin feature class: Name *sit_rec_building_point*, Primary key *OBJECTID*, Foreign key *ForeignKey*
Destination table: Name *sit_rec_drums_table*

No relationship rules defined.

To sit_rec_no_build_poi_drum
To sit_rec_no_build_lin_drum
To sit_rec_no_build_poly_drum

Table
sit_rec_drums_table

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
QUANTITY	Long integer	Yes			0		
CONTENT	String	Yes					50
LEAKING	Short integer	Yes		Yes_No_Int	0		
FOREIGNKEY	Long integer	Yes			0		
FK_NON_BUILDING_POINT	Long integer	Yes			0		
FK_NON_BUILDING_LINE	Long integer	Yes			0		
FK_NON_BUILDING_POLYGON	Long integer	Yes			0		

Relationship class
sit_rec_build_poi_haz

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *site_recon_haz_mat_table*
Backward label *site_recon_building_point*

Origin feature class: Name *sit_rec_building_point*, Primary key *OBJECTID*, Foreign key *ForeignKey*
Destination table: Name *sit_rec_haz_mat_table*

No relationship rules defined.

To sit_rec_no_build_poi_haz
To sit_rec_no_build_lin_haz
To sit_rec_no_build_poly_haz

Table
sit_rec_haz_mat_table

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
ID	String	Yes					50
QUANTITY	Long integer	Yes			0		
CONTAINERTYPE	String	Yes					50
STORAGECONDITION	String	Yes					50
FOREIGNKEY	Long integer	Yes			0		
FK_NON_BUILDING_POINT	Long integer	Yes			0		
FK_NON_BUILDING_LINE	Long integer	Yes			0		
FK_NON_BUILDING_POLYGON	Long integer	Yes			0		

Relationship class
sit_rec_build_poi_inter

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *site_recon_interactions_table*
Backward label *site_recon_building_point*

Origin feature class: Name *sit_rec_building_point*, Primary key *OBJECTID*, Foreign key *ForeignKey*
Destination table: Name *sit_rec_interactions_table*

No relationship rules defined.

To sit_rec_no_build_poi_inter
To sit_rec_no_build_lin_inter
To sit_rec_no_build_poly_inter

Table
sit_rec_interactions_table

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
CHEMICAL	String	Yes					50
QUANTITY	String	Yes					50
CONTAINERTYPE	String	Yes					50
STORAGECONDITIONS	String	Yes					50
EXTENTOFCONTAMINATION	String	Yes					50
FOREIGNKEY	Long integer	Yes			0		
FK_NON_BUILDING_POINT	Long integer	Yes			0		
FK_NON_BUILDING_LINE	Long integer	Yes			0		
FK_NON_BUILDING_POLYGON	Long integer	Yes			0		

Relationship class
sit_rec_build_poi_tanks

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *site_recon_storage_tanks_table*
Backward label *site_recon_building_point*

Origin feature class: Name *sit_rec_building_point*, Primary key *OBJECTID*, Foreign key *ForeignKey*
Destination table: Name *sit_rec_storage_tanks_table*

No relationship rules defined.

To sit_rec_no_build_poi_tanks
To sit_rec_no_build_lin_tanks
To sit_rec_no_build_poly_tanks

Table
sit_rec_storage_tanks_table

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
LOCATION	Short integer	Yes		Site_Recon_Storage_Location	0		
VENT_PIPES	Short integer	Yes		Yes_No_Int	0		
FILL_PIPES	Short integer	Yes		Yes_No_Int	0		
ACCESS_WAYS	Short integer	Yes		Yes_No_Int	0		
CONTENT	String	Yes					50
CAPACITY	String	Yes					50
AGE	String	Yes					25
FOREIGNKEY	Long integer	Yes			0		
FK_NON_BUILDING_POINT	Long integer	Yes			0		
FK_NON_BUILDING_LINE	Long integer	Yes			0		
FK_NON_BUILDING_POLYGON	Long integer	Yes			0		

Relationship class
sit_rec_build_poi_unid

Type *Simple*
Cardinality *One to many*
Notification *Forward*
Forward label *site_recon_unidentified_table*
Backward label *site_recon_building_point*

Origin feature class: Name *sit_rec_building_point*, Primary key *OBJECTID*, Foreign key *ForeignKey*
Destination table: Name *sit_rec_unidentified_table*

No relationship rules defined.

To sit_rec_no_build_poi_unidentify
To sit_rec_no_build_lin_unidentify
To sit_rec_no_build_poly_unidentify

Table
sit_rec_unidentified_table

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
QUANTITY	Long integer	Yes			0		
CONTAINERTYPE	String	Yes					50
STORAGECONDITION	String	Yes					50
FOREIGNKEY	Long integer	Yes			0		
FK_BUILDING_POINT	Long integer	Yes			0		
FK_NON_BUILDING_POINT	Long integer	Yes			0		
FK_NON_BUILDING_LINE	Long integer	Yes			0		
FK_NON_BUILDING_POLYGON	Long integer	Yes			0		

DRAFT

Field Surveys Geodatabase Schema Diagrams: Site Reconnaissance 4 of 4

DRAFT

The Relationship classes associated with the feature classes shown on this page are formated the same way as the relationship classes shown on the previous page. The tables associated with the feature classes shown on this page are shown on the previous page.

Simple feature class
site_recon_non_building_point

Geometry
Contains M values
Contains Z values Yes

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
SHAPE	Geometry	Yes					
DateTime_	Date	Yes			0	0	8
Observer1	String	Yes					50
Observer2	String	Yes					50
GPS_ID	Long integer	Yes		GPSID	0		
WastePitPondLagoon	Short integer	Yes		Yes_No_Int	0		
StainedSoil	Short integer	Yes		Yes_No_Int	0		
StressedVegetation	Short integer	Yes		Yes_No_Int	0		
SolidWaster	Short integer	Yes		Yes_No_Int	0		
WasteWater	Short integer	Yes		Yes_No_Int	0		
WastWaterDrainage	Short integer	Yes		Site_Recon_Waste_Water	0		
Well	Short integer	Yes		Yes_No_Int	0		
WellType	Short integer	Yes		Site_Recon_Wells	0		
SepticSystem	Short integer	Yes		Yes_No_Int	0		
Form_Q_C	Short integer	Yes		Yes_No_Int	0		
Pictures	String	Yes					250
Average_Accuracy_Meters	Double	Yes			0	0	
Odors	Short integer	Yes		Yes_No_Int	0		
PoolsOfLiquid	Short integer	Yes		Yes_No_Int	0		
PCB	Short integer	Yes		Yes_No_Int	0		
Comments	String	Yes					250

To:
sit_rec_no_build_poi_drums,
sit_rec_no_build_poi_haz,
sit_rec_no_build_poi_inter,
sit_rec_no_build_poi_tanks,
sit_rec_no_build_poi_unidentify

Simple feature class
site_recon_non_building_line

Geometry *Polyline*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
SHAPE	Geometry	Yes					
DateTime_	Date	Yes			0	0	8
Observer1	String	Yes					50
Observer2	String	Yes					50
GPS_ID	Long integer	Yes		GPSID	0		
WastePitPondLagoon	Short integer	Yes		Yes_No_Int	0		
StainedSoil	Short integer	Yes		Yes_No_Int	0		
StressedVegetation	Short integer	Yes		Yes_No_Int	0		
SolidWaster	Short integer	Yes		Yes_No_Int	0		
WasteWater	Short integer	Yes		Yes_No_Int	0		
WastWaterDrainage	Short integer	Yes		Site_Recon_Waste_Water	0		
Well	Short integer	Yes		Yes_No_Int	0		
WellType	Short integer	Yes		Site_Recon_Wells	0		
SepticSystem	Short integer	Yes		Yes_No_Int	0		
Form_Q_C	Short integer	Yes		Yes_No_Int	0		
Pictures	String	Yes					250
Average_Accuracy_Meters	Double	Yes			0	0	
Odors	Short integer	Yes		Yes_No_Int	0		
PoolsOfLiquid	Short integer	Yes		Yes_No_Int	0		
PCB	Short integer	Yes		Yes_No_Int	0		
Comments	String	Yes					250
SHAPE_Length	Double	Yes			0	0	

To:
sit_rec_no_build_lin_drums,
sit_rec_no_build_lin_haz,
sit_rec_no_build_lin_inter,
sit_rec_no_build_lin_tanks,
sit_rec_no_build_lin_unidentify

Simple feature class
sit_rec_non_building_polygon

Geometry *Polygon*
Contains M values *No*
Contains Z values *Yes*

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
DATETIME_	Date	Yes			0	0	8
OBSERVER1	String	Yes					50
OBSERVER2	String	Yes					50
GPS_ID	Long integer	Yes		GPSID	0		
WASTEPITPONDLAGOON	Short integer	Yes		Yes_No_Int	0		
STAINEDSOIL	Short integer	Yes		Yes_No_Int	0		
STRESSEDVEGETATION	Short integer	Yes		Yes_No_Int	0		
SOLIDWASTER	Short integer	Yes		Yes_No_Int	0		
WASTEWATER	Short integer	Yes		Yes_No_Int	0		
WASTWATERDRAINAGE	Short integer	Yes		Site_Recon_Waste_Water	0		
WELL	Short integer	Yes		Yes_No_Int	0		
WELLTYPE	Short integer	Yes		Site_Recon_Wells	0		
SEPTICSYSTEM	Short integer	Yes		Yes_No_Int	0		
FORM_Q_C	Short integer	Yes		Yes_No_Int	0		
PICTURES	String	Yes					250
AVERAGE_ACCURACY_METERS	Double	Yes			0	0	
ODORS	Short integer	Yes		Yes_No_Int	0		
POOLSOFLIQUID	Short integer	Yes		Yes_No_Int	0		
PCB	Short integer	Yes		Yes_No_Int	0		
COMMENTS	String	Yes					250
SHAPE	Geometry	Yes					
SHAPE_Length	Double	Yes			0	0	
SHAPE_Area	Double	Yes			0	0	

To:
sit_rec_no_build_poly_drums,
sit_rec_no_build_poly_haz,
sit_rec_no_build_poly_inter,
sit_rec_no_build_poly_tanks,
sit_rec_no_build_poly_unidentify