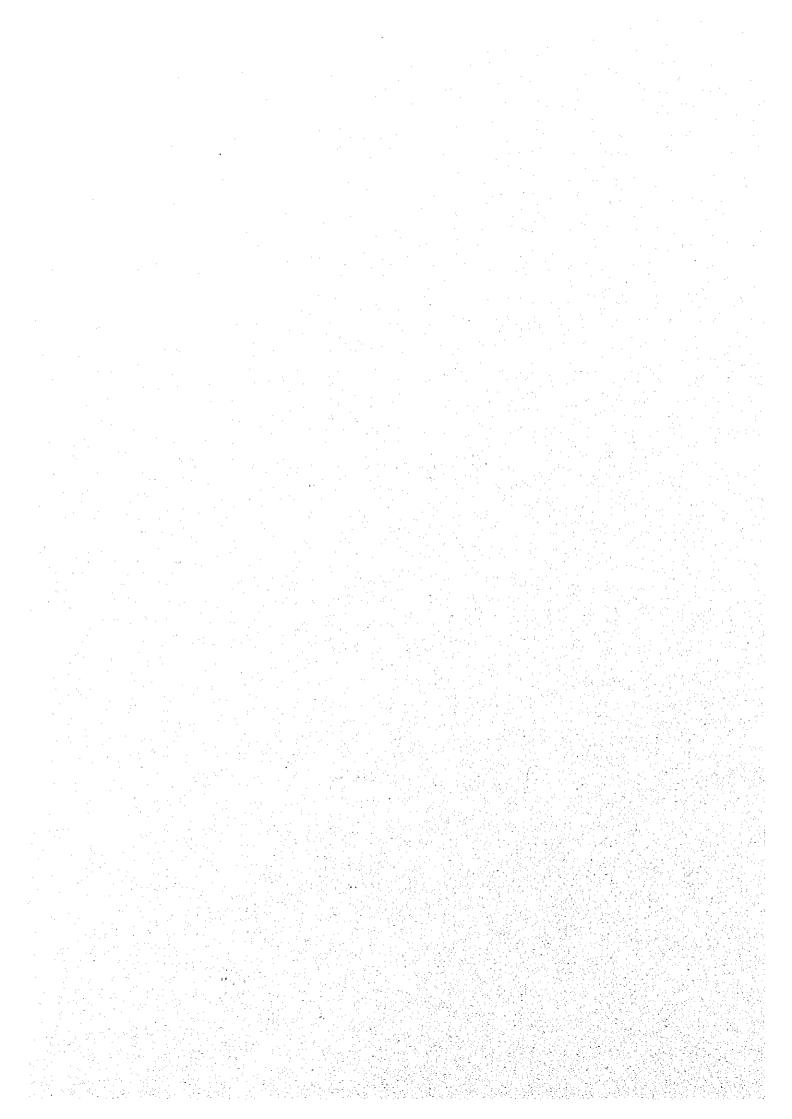
Appendix IV

Library Layers Other Data



LIBRARY LAYER: road lines

COVERAGE NAME

: rd_lin

PRECISION

: Double

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: LINE

DESCRIPTION

: Roads and road related line data

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIOTH	ITEM TYPE	ITEM DECIMAL PLACES
FNODE#	4	5	В	•
TNODE#	4	5	8	-
LPOLY#	4	5	8	-
RPOLY#	4	· 5	В	-
LENGTH	8	18	F	5
RD_LIN#	4	5	8	-
RD_LIN-ID	4	5	В	•
CODE	4	5	8	•

ITEM DEFINITION:

FNODE#

: From Node

TNODE#

: To Node

LPOLY# RPOLY# : Left Polygon#

LENGTH

: Right Polygon# : Lenght of the ARC

RD LIN# RD LIN-ID : Internal ID Numberl : User defined ID Number

CODE

: Code Number for each features

CODE	DESCRIPTION
1	All weather, hard surface road, two or more lanes wide
2	All weather, hard surface road, one lane wide
3	All weather, loose surface, two or more lanes wide
4	All weather, loose surface, one lane wide
5	Dry weather, loose surface
6	Cart track
7	Footpath
8	Streets in built-up areas
60	Ferry
61	Ford

LIBRARY LAYER: road_points

COVERAGE NAME

: rd_pts

PRECISION

: DOUBLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POINT

DESCRIPTION

: Roads and Related Point Data

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	8	18	F	5
PERIMETER	8	18	F	5
RD_PTS#	4	5	В	-
RD_PTS-ID	4	5	В	-
CODE	4	5	В	•

ITEM DEFINITION:

AREA

: Area in Square Meter

PERIMETER : Perimeter in Meter RD_PTS# : Internal ID Number
RD_PTS-ID : User Defined ID Number
CODE : Code N

CODE

: Code Number

CODE	DESCRIPTION
12	Bridge
13	Footbridge
60 61	Ferry
61	Bridge Footbridge Ferry Ford

LIBRARY LAYER: road_carto

COVERAGE NAME

: rd_carto

PRECISION

: DOUBLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POINT

DESCRIPTION

: Road related cartographic point data

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	HEM OUTPUT	ITEM TYPE	ITEM DECIMAL PLACES
AREA	8	18	F	5
PERIMETER	8	18	F	5
RD PTS#	4	5	В	-
RD PTS-ID	4	5	В	•
CODE	4	5	8	-

ITEM DEFINITION:

AREA

: Area in Square Meter

PERIMETER : Perimeter in Meter RD_PTS# : Internal :
RD_PTS-ID : User Defined IC : Internal ID Number

: User Defined ID Number

CODE	DESCRIPTION
9	Rout Maker (National)
10	Rout Maker (Other National)
11	Traffic Circle

LIBRARY LAYER: rail_lines

COVERAGE NAME

: rr_lin

PRECISION

: DOUBLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: LINE

DESCRIPTION

: Railroads and rail line data

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
FNODE#	4	5	В	•
TNODE#	4	5	В	•
LPOLY#	4	5	В	-
RPOLY#	4	5	В	•
LENGTH	8	18	F	5
RR_LIN#	4	5	В	-
RR_LIN-ID	4	5	8	-
CODE	4	5	В	-

ITEM DEFINITION:

FNODE# : From Node TNODE# : To Node

LPOLY# : Left Polygon#
RPOLY# : Right Polygon#
LENGTH : Lenght of the ARC
RD_LIN# : Internal ID Numberl

RO_LIN-ID : User defined IO Number CODE : Code Number for each features

CODE	DESCRIPTION
16	Railroad Track

LIBRARY LAYER: rail_points

COVERAGE NAME

: rr_pts

PRECISION .

: DOUBLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POINT

DESCRIPTION

: Railroad related point data

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	8	18	F	5
PERIMETER	8	18	F	5
RR_PTS#	4	5	В	•
RR_PTS-ID	4	5	В	•
CODE	4	5	В	•

ITEM DEFINITION:

AREA

: Area in Square Meter

PERIMETER : Perimeter in Meter

RR PTS# RR_PTS-ID : Internal ID Number : User Defined ID Number

CODE

: Code Number

CODE	DESCRIPTION
17	Railroad Station
18	Railroad Bridge

infra_polys **LIBRARY LAYER:**

COVERAGE NAME

: pop_shp

PRECISION

: DOUBLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POLYGON

DESCRIPTION

: Polygons describing the extents of built-up areas, villages,

cemeteries, airfields or other special man-made features.

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIOTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	8	18	F	5
PERIMETER	8	18	F	5 ´
POP_SHP#	4	5	В	•
POP_SHP-ID	4	5	В	-
CODE	4	5	В	-

ITEM DEFINITION:

AREA

: Area in Square Meter

PERIMETER POP_SHP-ID CODE : Perimeter in Meter : Internal ID Number

: User Defined ID Number

: Code Number

CODE	DESCRIPTION
0	Holes or complex polygons within this data set (not drawn)
22	Built-up Area
23	Village (with a high density of structures)
24	Village (with a medium density of stretures)
25	Village (with a low density of structures)
36	Cemetary
39	Airfield
42	Floating Village (with a high density of structures)
43	Floating Village (with a medium to low density of structures
45	Dock or Pier
225	Large areas of numerous low density villages

LIBRARY LAYER: infra_points

COVERAGE NAME : pop_pts

PRECISION : DOUBLE

PROJECTION: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE : POINT

DESCRIPTION: Infrastructure point features

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIOTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	8	18	F	5
PERIMETER	8	18	F	5
POP PTS#	4	5	8	-
POP_PTS-ID	4	5	8	-
CODE	4	5	В	•

ITEM DEFINITION:

AREA : Area in Square Meter
PERIMETER : Perimeter in Meter
POP_SHP# : Internal ID Number
POP_SHP-ID : User Defined ID Number

CODE : Code Number

CODE	DESCRIPTION
21	Buildings
26	Khet Office and Krong Office
27	Srok Office and Khan Office
28	Khum Office
29	Temple
30	School
31	Church
32	Mosque
33	Stupa
34	Post Office
35	Hospital
37	Historical Site
38	Light House
40	Mine
41	Port

LIBRARY LAYER: infra_carto

COVERAGE NAME

: pop_cart

PRECISION

: DOUBLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POINT

DESCRIPTION

: Infrastructure cartographic point features

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	8	18	F	5
PERIMETER	8	18	F	5
POP_PTS#	4	5	8	-
POP_PTS-ID	4	5	8	•
CODE	4	5	8	•

ITEM DEFINITION:

AREA

: Area in Square Meter

PERIMETER

: Perimeter in Meter : Internal ID Number

POP_SHP# POP_SHP-ID

: User Defined ID Number

CODE

: Code Number

CODE	DESCRIPTION
44	Grounds/Playgrounds/Stadiums

LIBRARY LAYER: hydrology_polys

COVERAGE NAME

: dn_pol

PRECISION

: DOUBLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POLYGON

DESCRIPTION

: Water and water related polygon features

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	8	18	F	5
PERIMETER	8	18	F	5
DN_NET#	4	5	В	-
DN_NET-ID	4	5	8	-
CODE	4	5	В	-

ITEM DEFINITION:

AREA

: Area in Square Meter

PERIMETER DN NET#

: Perimeter in Meter : Internal ID Number

ON_NET-ID

: User Defined ID Number

CODE

: Code Number

CODE	DESCRIPTION
0	Holes or Complex Poloygons within this data set (not drawn)
51	River/Stream (perennial or permanent water)
52	Intermittent River/Stream (temporal or intermittent water)
53	Lake or Pond (perennial)
54	Lake or Pond (temporal)
55	Salt Evaporator

hydrology_lines LIBRARY LAYER:

COVERAGE NAME

: da_lin

PRECISION

: DOUBLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: LINE

DESCRIPTION

: Water and water related line features

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ПЕМ ТҮРЕ	ITEM DECIMAL PLACES
FNODE#	4	5	8	•
TNODE#	4	5	В	-
LPOLY#	4	- 5	В	-
RPOLY#	4	5	В	-
LENGTH	8	18	F	5
DN_NET#	4	5	В	-
DN_NET-ID	4	5	В	-
CODE	4	5	В	-

ITEM DEFINITION:

FNODE# TNODE# : From Node

LPOLY#

: To Node : Left Polygon#

RPOLY# LENGTH

: Right Polygon# : Lenght of the ARC

DN NET#

: Internal ID Numberl

DN_NET-ID

: User defined ID Number

CODE

: Code Number for each features

CODE	DESCRIPTION
51	River/Stream (permanent water)
52	Intermint River/Stream (temporal or intermittent water)
53	Arcs from polygon features (not drawn)
54	Arcs from polygon features (not drawn)
55	Arcs from polygon features (not drawn)
56	Canal Small
57	Canal Large
64	Levee
65	Concrete of Stone Revetment
69	Abondoned Canal

hydrology_points LIBRARY LAYER:

COVERAGE

: dn_pts

PRECISION

: DOUBLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POINT

DESCRIPTION

: Water related point features

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	8	18	F	5
PERIMETER	8	18	F	5
DN_PTS#	4	5	8	•
DN_PTS-ID	4	5	В	•
CODE	4	5	В	•

ITEM DEFINITION:

AREA

: Area in Square Meter PERIMETER : Perimeter in Meter : Internal ID Number

DN PTS# DN_PTS-ID

: User Defined ID Number

CODE

: Code Number

CODE	DESCRIPTION
63	Eathern Dam
67	Water Tower/Tank

LIBRARY LAYER: topographic_pts

COVERAGE NAME

: topo_pts

PRECISION

: DOUBLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POINT

DESCRIPTION

: Topographic features described as points

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	8	18	F	5
PERIMETER	8	18	F	5
TOPO_PTS#	4	5	В	-
TOPO_PTS-ID	4	5	В	-
CODE	4	5	В	•

ITEM DEFINITION:

AREA

: Area in Square Meter PERIMETER : Perimeter in Meter

TOPO_PTS# : Internal ID Number TOPO_PTS-ID : User Defined ID Number

CODE

: Code Number

CODE	DESCRIPTION
94	Small Hill

LIBRARY LAYER: benchmarks

COVERAGE NAME

: cont_pts

PRECISION

: DOUBLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POINT

DESCRIPTION

: Control Points, Benchmarks, and Spot Elevations

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	8	18	F	5
PERIMETER	8	18	F	5
CONT_PTS#	4	5	В	•
CONT_PTS-ID	4	5	В	•
CODE	4	5	8	-
SPOT	4	5	В	•

ITEM DEFINITION:

AREA

; Area in Square Meter

PERIMETER

: Perimeter in Meter : Internal ID Number

TOPO_PTS#

TOPO_PTS-ID : User Defined ID Number

CODE

: Code Number

SPOT

: Spot Elevation in Meter

CODE	DESCRIPTION
101	Horizontal Control Point (established after 1990)
102	Horizontal Control Point (established before 1990)
103	Bench Mark (established before 1990)
104	Spot Elevation in Meter
106	Bench Mark (established after 1990)

LIBRARY LAYER: contours

COVERAGE NAME

: cont_lin

PRECISION

: DOUBLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: LINE

DESCRIPTION

: Contour Lines

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
FNODE#	4	5	8	-
TNODE#	4	5	8	•
LPOLY#	4	5	8	•
RPOLY#	4	5	₿	•
LENGTH	8	18	F	5
CONT_LIN#	4	5	8	-
CONT_LIN-	4	5	8	-
ID				
CODE	4	5	8	-
SPOT	4	5	8	•

ITEM DEFINITION:

FNODE# : From Node
TNODE# : To Node
LPOLY# : Left Polygon#

RPOLY# : Right Polygon#
LENGTH : Lenght of the ARC
CONT-LIN# : Internal ID Numberl
CONT-LIN-ID : User defined ID Number

CODE : Code Number for each features

SPOT : Contour value in Meter

CODE	DESCRIPTION
112	Index Contour
113	Intermediate Contour
114	Suppementary Contour
115	Depression Contour

landuse LIBRARY LAYER:

COVERAGE NAME

: landuse

PRECISION

: DOUBLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POLYGON

DESCRIPTION

: Landuse data as interpreted from LandSAT TM imagery

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	8	18	F	5
PERIMETER	8	18	F	5
LANDUSE#	4	5	В	-
LANDUSE-ID	4	5	В	-
LU CODE	4	5	В	-
TOPO_CODE	4	5	В	•

ITEM DEFINITION:

AREA PERIMETER LANDUSE#

: Area in Square Meter : Perimeter in Meter : Internal ID Number : User Defined ID Number

LANDUSE-ID LU CODE TOPO_CODE

: Landuse Code Number : Topographic Map Landuse Code Number (see TOPO_LANDUSE

entry)

RELATED DATA FILE : LANDUSE_TEXT

RELATED ITEM

: LU_CODE

RELATED DATA FILE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPU WIDTH	T ITEM TYPE	ITEM DECIMAL PLACES
LU CODE	4	5	8	-
CLASSIFICATION	5	5	С	-
CATEGORY	40	49	C	-
NAME	80	80	C	•

LIBRARY LAYER: landuse

U_CODE	CLASSIFICATION	CATEGORY	NAME
1	U	Urban, Built-up Areas	Settlement
2	1	Urban, Built-up Areas	Infrastructure (Airfield, factory, etc.)
3	Ar	Agricultural lands	Paddy field
4	Al	Agricultural lands	Receding and Floating rice fields
5	Au	Agricultural lands	Field crop
6	As	Agricultural lands	Swidden agriculture (Slash and burn)
7	Ao	Agricultural lands	Orchard
8	Ар	Agricultural lands	Plantation (Rubber plantation)
9	Av	Agricultural lands	Village garden crop
10	Ag	Agricultural lands	Garden crop
11	Arv	Agricultural lands	Paddy field with villages
12	G	Grasslands	Grassland (undifferentiated)
13	Ga	Grasslands	Abandoned field covered by grass
14	Gf	Grasslands	Flooded grassland
15	Gs	Grassiands	Grass Savannah
16	Gm	Grasslands	Grass with termite mounds
17	Ms	Grasslands	Marsh and swamp
18	S	Shrublands	Shrubland (undifferentiated)
19	Sa	Shrublands	Abandoned field covered by shrub
20	Sf	Shrublands	Flooded shrub
21	St	Shrublands	Woodland and scattered trees (C < 10%)
22	Fe .	Forest covers	Evergreen broad leafed forest
23	Fc	Forest covers	Coniferous forest
24	Fd	Forest covers	Deciduous forest
25	Fdo	Forest covers	Dry Deciduous (Open) forest
26	Fx	Forest covers	Mixed forest from evergreen and deciduous species
27	Fr	Forest covers	Riparian forest
28	Fs	Forest covers	Bamboo and Secondary forests
29	Ef	Forest covers	Flooded forest
30	Fm	Forest covers	Mangrove forest
31	Fmd	Forest covers	Degraded mangove forest
32	Fρ	Forest covers	Forest plantation
33	WI	Water Features	Lakes (>8 ha)
34	Wp	Water Features	Lakes (<8 ha)
35	Wr	Water Features	Reservoir
36	Ws	Water Features	Shrimp/Fish farming and Salt pan
37	Wo	Water Features	Others (Sea, Bay, etc.)
38	8	Soils and Rocks	Barren land
39	8s	Soils and Rocks	Sand bank
40	Br	Soils and Rocks	Rock outcrop

topo_landuse LIBRARY LAYER:

COVERAGE NAME

: lu_topo

PRECISION

: DOUBLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POLYGON

DESCRIPTION

: Landuse grouped and dissolved for topographic maps

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	8	18	F	5
PERIMETER	8	18	F	5
LANDUSE#	4	5	8	•
LANDUSE-ID	4	5	8	-
TOPO_CODE	4	5	8	-

ITEM DEFINITION:

AREA

: Area in Square Meter PERIMETER : Perimeter in Meter

LANDUSE#

: Internal ID Number

LANDUSE-ID

: User Defined ID Number TOPO_CODE : Topographic Map Landuse Code Number

LIBRARY LAYER:

topo_landuse

TOPO_CODE DESCRIPTION:

TOPO_CODE	DESCRIPTION
53	Lake or Pond
55	Salt Evaporator
51	Open Water (oceans, large lakes and rivers)
91	Rock Outcrops
96	Sand Terrain
98	Barren Land
151	Dense Frest or Jngle
152	Clear Forest
153	Shrubland
155	Plantation
156	Flooded Grassland
157	Flooded Shrub
158	Flooded Forest
159	Marsh or Swamp
160	Rice Field
161	Mangrove
162	Field Crops
163	Swidden Agriculture
164	Grassland
165	Orchards
166	Village Garden Crops
167	Receding Rice Fields and Floating Rice Fields
169	Urban, and Built-up Areas

Other Data:

geology

COVERAGE NAME

: geology

PRECISION

: DOUBLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POLYGON

DESCRIPTION

: Geology/Landforms

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIOTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	8	18	F	5
PERIMETER	8	18	F	5
GEOLOGY#	4	5	В	-
GEOLOGY-ID	4	5	В	-
GEO100K	4	4	i	•
GEO500K	4	. 4	ŀ	-

ITEM DEFINITION:

AREA

: Area in Square Meter PERIMETER : Perimeter in Meter

GEOLOGY#

: Internal ID Number GEOLOGY-ID : User Defined ID Number

GEO100K GEO500K

: Codes for 1:100,000 Scale Data : Codes for 1:500,000 Scale Data

RELATED DATA FILE : GEOLOGY.LEG

RELATED ITEM

: GEO500K

ITEM NAME	ITEM WIDTH	ITEM OUTPU WIDTH	T ITEM TYPE	ITEM DECIMAL PLACES
GEO500K	4	5	В	-
LEGEND_CODE	40	40	C	-
CATEGORY	60	60	C	•
LEGEND_EG	100	100	C	-

Other Data:

geology

GEO500K DESCRIPTION:

GEO500K	LEGEND_CODE	CATEGORY	LEGEND_EG
1	W	l.andform	Water
2	Fр	Cenozoic	Floodplains
3	Af	Cenozoic	Alluvial fans
4	Co	Cenozoic	Colluvial (Tallus conces)
5	Pd	Cenozoic	Pediments
6	Lb	Cenozoic	Lakebeds
7	DЬ	Cenozoic	deltaic deposits
9	Br	Cenozoic	levees
10	Sw	Cenozoic	Organic deposits (swamps)
12	Ар	Cenozoic	Alluvial plains
14	Ta	Cenozoic	Terrace allivial
105	Jac	Mesozoic	claystone
106	JCg	Mesozoic	sandstone
107	JCcg	Mesozoic	conglomerates
108	j	Mesozoic	sandstone
109	J1-2	Mesozoic	Red Terrane (reddish brown sandstone, siltstone and marl
111	Tg	Mesozoic	formation (sandstone and micro-breccias)
112	₹x	Mesozoic	formation (siltstone, schists and marl)
115	CP	Pareozoic	limestone
116	DC	Pareozoic	Black shists, phtanites, sandstone
117	DHj	Pareozoic	Phtanites
118	DHx	Pareozoic	Shists and sandstone
123	CS2q	Pareozoic	quartzites
124	Csq	Pareozoic	quartzites
125	CSx	Pareozoic	schists
126	CScg	Pareozoic	metaconglomerates
201	С	Unknown Geologic Era	
303	p2/p2b	Volcanic Rocks	rhyolites and rhyodacites
305	b	Volcanic Rocks	dacites
306	p1	Volcanic Rocks	rhyolites
307	ρ	Volcanic Rocks	rhyolites
308	α1	Volcanic Rocks	trachyte, andesites, andestes and tuffs
309	α	Volcanic Rocks	andesites, andesitic breccias and tuffs
310	r2t	Volcanic Rocks	Volucano-sedimentary breccias and acidic tuffs
311	r1t	Volcanic Rocks	acid tuffs
401	g4	Pultonic Rocks	high alumina granite
402	g3	Pultonic Rocks	granite or g3-4 coarse grainded granites
404	g3-2	Pultonic Rocks	fine grained granites
407	g2	Pultonic Rocks	granite
409	gʻo	Pultonic Rocks	granodiorite
999	NC	No Classified Rocks	No Classified Rocks

Other Data: khet50

COVERAGE NAME

: khet50

PRECISION

: SINGLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POLYGON

DESCRIPTION

: Khet political boundaries

SOURCE

: Geographic Survey Institute of Cambodia

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	TEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	4	12	F	3
PERIMETER	4	12	F	3
KHET50#	4	5	8	•
KHET50-ID	4	5	В	•
CODEKHET	2	2	ł	-
KHET_CODE	4	5	В	3

ITEM DEFINITION:

AREA PERIMETER : Area

KHET50#

: Perimeter : Internal ID Number

KHET50-ID

: User defined ID Number

: Khet ID Code

CODE KHET KHET CODE

: Khet ID Code

RELATED DATA FILE : KHET50.DAT

RELATED ITEM

: KHET_CODE

ITEM NAME	ITEM WIDTH	ITEM OUTPU	TO ITEM TYPE	ITEM DECIMAL PLACES
KHET CODE	4	5	В	•
UTMX	8	12	F	3
UTMY	8	12	F	3
KHMER NAME	60	60	C	•
ROMAN NAME	60	60	С	•
ROMAN_NAME_CAPS	60	60	C	•

Other Data: srok50

COVERAGE NAME : srok50

PRECISION : SINGLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POLYGON

DESCRIPTION

: Srok political boundaries

SOURCE

: Geographic Survey Institute of Cambodia

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	4	12	F	3
PERIMETER	4	12	F	3
SROK50#	4	5	В	•
SROK50-ID	4	5	8	-
CODESROK	2	. 2	I	-
SROK_CODE	4	5	8	3

ITEM DEFINITION:

AREA : Area PERIMETER : Perimeter

SROK50# : Internal ID Number SROK50-ID : User defined ID Number

CODESROK : Srok ID Code SROK_CODE : Srok ID Code

RELATED DATA FILE : SROK50.DAT

RELATED ITEM : SROK_CODE

ITEM NAME	ITEM WIDTH	ITEM OUTPU	T ITEM TYPE	ITEM DECIMAL PLACES
SROK CODE	4	5	В	•
UTMX_	8	12	F	3
UTMY	8	12	F	3
KHMER NAME	60	60	С	-
ROMAN NAME	60	60	С	-
ROMAN_NAME_CAPS	60	60	C -	•

Other Data: khum50

COVERAGE NAME

: khum50

PRECISION

: SINGLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POLYGON

DESCRIPTION

: Khum political boundaries

SOURCE

: Geographic Survey Institute of Cambodia

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	TEM OUTPUT	ITEM TYPE	ITEM DECIMAL PLACES
AREA	4	12	F	3
PERIMETER	4	12	F	3
KHUM50#	4	5	В	-
KHUM50-ID	4	5	В	-
CODEKHUM	2	2	i	-
KHUM_CODE	4	5	8	3

ITEM DEFINITION:

AREA PERIMETER : Area

KHUM50#

; Perimeter

KHUM50-ID

: Internal ID Number : User defined ID Number

CODEKHUM

: Khum ID Code

KHUM_CODE

: Khum ID Code

RELATED DATA FILE: NEWKHUM50.DAT

RELATED ITEM

: KHUM_CODE

ITEM NAME	ITEM WIDTH ITEM OUTPUT ITEM TYPE ITEM DECIMAL WIDTH PLACES				
KHUM_CODE	4	5	B	-	
UTMX	8	12	F	3	
UTMY	8	12	F	3	
KHMER NAME	60	60	С	•	
ROMAN_NAME	60	60	C	-	
ROMAN_NAME_CAPS	60	60	С	•	

Other Data: annotation

COVERAGE NAME

: annotation

PRECISION

: SINGLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POINT

DESCRIPTION

: Annotation Label Points

SOURCE

: Geographic Survey Institute of Cambodia

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	4	5	В	3
PERIMETER	4	5	В	3
ANNOTATION#	4	5	8	-
GI-NOITATONNA	4	5	8	-
ANNO CODE	4	5	8	•
UTMX_	8	12	F	3
UTMY	8	12	F	3
KHMER_NAME	60	60	С	-
ROMAN_NAME	60	60	С	
MAP SHEET	8	8	С	
ROMAN_NAME_CAPS	60	60	С	-

ITEM DEFINITION:

AREA

: Area

PERIMETER

: Perimeter

ANNOTATION#

: Internal ID Number

ANNOTATION-ID

: User defined ID Number

ANNO CODE UTMX

: Annotation CODE Value

: UTM X value

UTMY

: UTM Y value

KHMER_NAME

: Khmer character Name : Roman character Name

ROMAN_NAME MAP_SHEET

: Map Sheet Number

ROMAN_NAME_CAPS : Uppercase version of Roman Name

Other Data:

annotation

CODE	DESCRIPTION
15	Lake or Pond
16	River canal or stream, less than 18m wide

50	River canal or stream, more than 18m wide
51	Lake or pond (having no water during the dry season)
52	Canalor stream (having no water during the dry season)
401	Additional Annotation Strings
500	Additional Annotation Strings
600	Mountain
601	Additional Annotation Strings
602	Additional Annotation Strings
700	Island
701	Additional Annotation Strings

gps_points

COVERAGE NAME

: gps_points -

PRECISION

: SINGLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POINT

DESCRIPTION

: additional benchmark related data

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	4	12	F	3
PERIMETER	4	12	F	3
GPS_POINTS#	4	5	8	-
GPS_POINTS-ID	4	5	8	-
CODE	8	8	l	-
TYPE	4	5	В	=
LONG1	5	5	C	-
LONG2	5	5	C	-
LAT1	5	5	C	-
LAT2	5	5	C	•
UTM-X	8	15	F	3
UTM-Y	8	15	F	3
HEIGHT	8	9	F	3

ITEM DEFINITION:

AREA : Area

PERIMETER : Perimeter
GPS_POINTS# : Internal ID Numberl GPS POINTS-ID: User defined ID Number : Unique Feature ID CODE

: Type as Defined by Benchmark Layer TYPE

LONG1 : Longitude Minutes : Longitude Seconds LONG2 LATI : Latitude Minutes LAT2 : Latitude Seconds UTM-X : UTM Easting

UTM-Y : UTM Northing

HEIGHT : Elevation (if known) of the point

gps_points

TYPE DESCRIPTION:

TYPE	DESCRIPTION
102	Horizontal Control Point (established before 1990)
103	Bench Mark (established before 1990)
104	Spot Elevation in Meter
106	Bench Mark (established after 1990)
107	Unknown

hist_sties

COVERAGE NAME

: hist_sites

PRECISION

: SINGLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POINT

DESCRIPTION

: Additional Historical Sites

DATABASE SCHEMA DEFINITION:

ITEM NAME	ITEM WIDTH	ITEM OUTPUT WIDTH	ITEM TYPE	ITEM DECIMAL PLACES
AREA	4	12	F	3
PERIMETER	4	12	F	3
HIST_SITES#	4	5	8	-
HIST_SITES:ID	4	5	8	-
CODE	8	8	1	-
NAME	60	60	C	-
UTM-X	8	15	F	3
UTM-Y	8	15	F	3

ITEM DEFINITION:

AREA

: Агеа

PERIMETER : Perimeter

HIST SITES# : Internal ID Number

HIST_SITES-ID : User defined ID Number CODE

: Unique Feature ID (concatination with sheet number)

NAME

: Name of the site in Roman Characters

UTM-X

: UTM Easting

UTM-Y

: UTM Northing

TYPE DESCRIPTION:

CODE	DESCRIPTION
NA	Bascially a unique indentifer, not useful as a CODE

rd_direction

COVERAGE NAME

: rd_direction

PRECISION

: SINGLE

PROJECTION

: UTM, Meters, Zn: 48, Sph.: Everest 1830, Dat.: Indian 1954

FEATURE TYPE

: POINT

DESCRIPTION

: points for road direction arrows along map sheet

boundaries

DATABASE SCHEMA DEFINITION:

ITEM NAME	TEM WIDTH	ITEM OUTPUT WIDTH		ITEM DECIMAL PLACES
AREA	4	12	F	3
PERIMETER	4	12	F	3
RO_DIRECTION#	4	5	В	-
REC_NO	4	5	В	-
SHEET_NUMBER	4	. 5	l	•
COUNT	3	3	t	•
X POS	8	15	F	3
Y POS	8	15	F	3
KHMER STR	60	60	С	
ROMAN_STR	60	60	С	

ITEM DEFINITION:

AREA

: Area

PERIMETER

: Perimeter

HIST_SITES# : Internal ID Number

REC_NO

: User Defined Record Number

SHEET_NUMBER

: Map Sheet Number

COUNT : Point number per sheet

X POS

: UTM Easting

Y POS

: UTM Northing

KHMER STR : Khmer Text String

ROMAN_STR : Roman Text String

TYPE DESCRIPTION:

	DESCRIPTION
NA	No unique indentifer, not useful as a CODE





