2) Map Projection

The map projection for the 1:100,000 scale data is well defined. The 1:100,000 scale data is presently stored in the following map projection:

PROJECTION UTM UNITS METERS SPHEROID CLARKE1880 YSHIFT 0.0000000000 XSHIFT 0.0000000000 PARAMETERS 15 00 00 -8 45 00

The spheroid keyword(Clark 1880) has the following value associations: Clarke 1880; Semi-Major: 6378249.145 Semi-Minor 6356514.86955 A national defined horizontal datum called "Camacupa" is written on all map sheets, however it has not been possible to obtain enough information to properly define this datum and use it within the GIS at this time. Additional assistance from the IGCA and also special queries on the internet to map-projection related sites have not produced the necessary information. At this time, it is the viewpoint of the Project Team that no horizontal datum be specified.

3) Workflow overview

The digitizing of the paper maps for the 1:100,000 scale data were carried out using two methods.

Initially, color copies of the original paper maps were made. These color copies were used for the checking base. Next the original paper maps were scanned to produce a color raster image. The scanned data were then displayed using in-house created software called VecEdit, which allowed new data to be traced or input on top of the scanned raster data. All of the contours, topographic and benchmark features, as specified in the database specifications, were digitized and coded using this manner. This finished data was then checked using the color copies of the original maps. Quality control and checking at this time was mainly concerned with feature coding and accuracy.

Features not collected from the scanned raster images where collected by traditional

digitizing methods, with the original paper map as the digitizing source. Here too, the same in-house software was used for data capture and coding. The finished data was also checked using the color copies of the original maps. Here too, quality control and checking was mainly concerned with feature coding and accuracy.

The digitized data were then converted into Arc/Info format. Here the specific data layers were assembled and the representative topologic structure created. Next the data was transformed and projected using the map-projection previous described. Check plots were again produced and a final check was made.

At this stage in the Project, no edge-matching of data has been done because all of these features will be subject to updating and revision during the next phase of the Project. Presently all defined feature capture, topological data structuring, and feature attribute coding have been completed and checked at this time.

4) Interim deliverables

The interim deliverable data products at 1:100 000 scale will be the ARC/INFO Rev 7.21 formatted data coverages for all collected data, and sample check plots of each sheet within the project area only. The digital data will be delivered on CDROM.

5.2.8. "SPOT" Data Acquisition

In order to make secular change of 1:100,000 scale digital maps covering 120,000 km² in the next year's stage, JICA ordered the acquisition of the new "SPOT" images to the agent this year.

The total scene number covering whole area was 75 with 60 km x 60 km covers each scene duplicating 10% each side. During July 1997 through August 1998, 66 scenes were completed the data acquisition and another 7 scenes with some clouds were accepted under the condition of the submission of archives. As for the remaining 2 scenes were difficult to get good data, therefore JICA decided to apply their latest archives (Figure 5.2.7 / Table 5.2.5).

5.2.9. Preparation for "SPOT" Image Interpretation

For preparing the interpretation key of "SPOT" imagery at the time of implementation of secure change, the Study team collected the photos which are cover the items of application map symbols from air by helicopter. These photos are compiled as interpretation keys together with corresponding existing aerial photos portion and that SPOT imagery.

Then these interpretation keys are to apply for compilation of secure change of 1:100,000 scale digital maps.

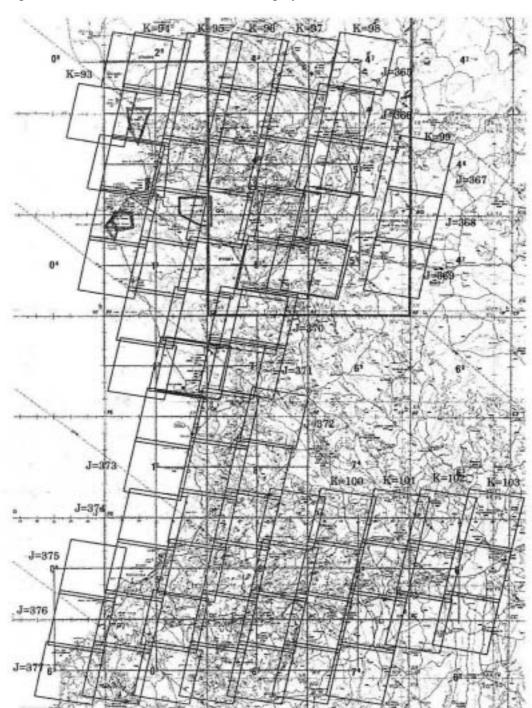


Figure 5.2.7 Index of "SPOT" Imagery

Table 5.2.5 - 1	Spot Imagery List (Image level; Panchromatic-1B)
-----------------	--

No.	Spot	K/J No.	Acquisition.	Incidence	Cloud Coverage	Image Quality
	No.	K / J	Date	Angle	C	
1	2	93/365	97/09/01	L13.4	Less than 10%	Excellent
2	2	93 / 366	97/09/01	L13.4		
3	4	94/365*	98/07/09	L0.86	More than 10%	
4	4	94/366	98/06/18	L0.90	Less than 10%	
5	4	94/367*	98/06/08	L9.00	More than 10%	
6	4	94/368	98/06/18	L09.0	Less than 10%	
7	4	94 / 369	98/06/18	L09.0		
8	4	95 / 365	98/06/13	L04.9		
9	4	95/366	98/06/13	L04.9		
10	4	95/367	98/06/13	L04.9		
11	4	95 / 368	98/06/13	L04.9		
12	4	95 / 369	98/06/13	L04.9		
13	4	95/370	98/06/13	L04.9		
14	3	95/371*	93/12/07	R3.21	More than 10%	
15	4	95/375	98/06/13	L04.9	Less than 10%	
16	2	95/376	97/09/07	R0.73		
17	2	95/377	97/09/22	L12.8		
18	4	96/365	98/06/13	L08.6		
19	4	96/366	98/06/13	L08.6		
20	4	96/367	98/06/13	L08.6		
21	4	96/368	98/06/13	L08.6		
22	4	96 / 369	97/09/07	R07.3		
23	4	96/370	98/06/13	L08.6		
24	4	96/371*	98/08/26	L8.64	More than 10%	
25	4	96/372	98/06/13	L08.3	Less than 10%	
26	4	96/373	98/06/13	L08.3		
27	2	96/374	97/09/07	R07.3		
28	2	96/375	97/09/07	R07.3		
29	2	96/376	97/09/07	R07.3		
30	2	96/377	97/09/07	R07.3		
31	2	97 / 365	98/05/30	L4.57		
32	2	97 / 366	98/05/25	R3.57		
33	2	97 / 367	98/05/30	R4.57		
34	4	97 / 368*	98/06/29	R3.21		
35	2	97 / 369	97/09/07	R03.6		
36	2	97 / 370	96/07/18	R2.20		
37	4	97/371*	98/08/25	L4.25		
38	4	97 / 372	98/06/13	L12.7		
39	4	97 / 373	98/06/13	L12.7		
40	4	97 / 374	98/06/13	L12.7		
41	2	97 / 375	97/10/24	R11.3		
42	2	97 / 376	97/09/07	R03.6		
43	2	97 / 377	97/07/22	L04.7		

Table 5.2.5 – 2	Tabl	le :	5.2	.5	_	2
-----------------	------	------	-----	----	---	---

Spot Imagery List (Image level; Panchromatic-1B)

No.	Spot	K/J No.	Acquisition.	Incidence	Cloud Coverage	Image Quality
	No.	K / J	Date	Angle		
44	2	98 / 365	97/07/17	L01.1	Less than 10%	Excellent
45	4	98/366*	98/06/29	L0.50	More than 10%	
46	4	98/367*	98/06/29	L0.50	More than 10%	
47	2	98 / 368	97/07/17	L01.1	Less than 10%	
48	2	98 / 369	97/07/17	L01.1		
49	4	98/372	98/06/24	R07.3		
50	2	98 / 373	97/07/17	L00.7		
51	2	98 / 374	97/07/17	L00.8		
52	2	98 / 375	97/07/17	L00.8		
53	2	98/376	97/07/17	L00.8		
54	2	98 / 377	97/07/17	L00.8		
55	2	99 / 367	97/08/07	R00.7		
56	2	99 / 368	97/08/07	R00.7		
57	2	99 / 369	97/08/07	R00.7		
58	2	99 / 374	97/07/17	R03.9		
59	2	99 / 375	97/09/02	R03.6		
60	2	99 / 376	97/09/02	R03.6		
61	2	99 / 377	97/09/02	R03.6		
62	2	100/374	97/08/07	L00.8		
63	2	100/375	97/08/07	L00.8		
64	2	100/376	97/08/07	L00.8		
65	2	100/377	97/08/07	L00.8		
66	2	101/374	97/08/07	L04.7		
67	2	101/375	97/08/07	L04.7		
68	2	101/376	97/08/07	L04.7		
69	2	101/377	97/08/07	L04.7		
70	4	102/374	98/06/19	L00.2		
71	4	102/375	98/06/19	L00.2		
72	2	102/376	97/09/23	L00.8		
73	2	103/374	97/07/28	R03.9		
74	2	103/375	97/07/28	R03.9		
75	2	103/376	97/07/28	R03.9		

There are another archive data for the * marks

5.2.10 Peripheral Maintenance for GIS Equipment

Peripheral maintenance for GIS equipment is to set up a engine generator and air-conditioners at the GIS Operation room in fourth floor of MINOPU.

At this first plan, the capacity of a engine generator was enough for to supply all electric instruments including two air-conditioners, computers and these peripheral instruments at same time. However, there was no space founded for the large capacity's engine generator in MINOPU. Finally, the engine generator was changed to a small capacity one, as a emergency power supply, which can keep the minimum power supply for the closing of working computers at the time of sudden public power cut.

Accordingly, during the third phase field survey, one set of DENYO/DCA-13SPK(11.5kVA) was installed at the terrace room on the fourth floor with the floor reinforcement and the exhaust outer pipe.

Simultaneously, two set of air conditioners were set up in the GIS operation room, then switch box and seven wall socket with appropriate cables for computers operation were set up and wired with the engine generator.

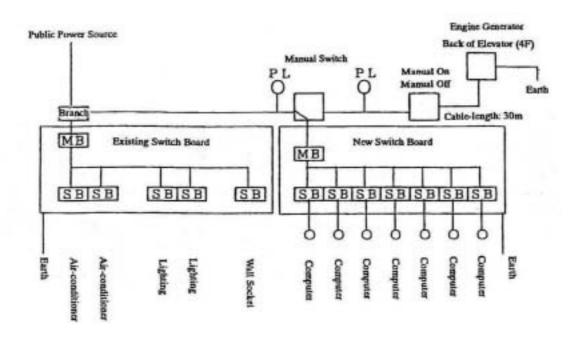


Figure 5.2.8 Electrical Design for GIS Room

In the case of operation, the public power supply circuit should be connected usually. At the time of public power cut, the manual switch of power supply should be change to the engine generator, then after this, the engine generator should be worked.

Conversely, in the case of public power restoration, stopping the engine generator, manual power supply switch should be changed to public power supply side.

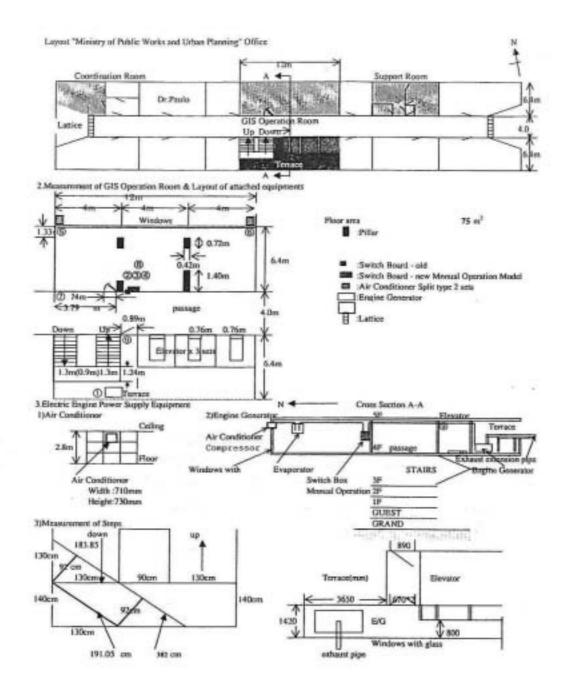




Illustration of GIS Room in MINOPU

5.3. The Third Year's Work (1999)

5.3.1. Draft Manual for Land-use Classification

Through this Study, the Land-use Maps of Luanda at a scale of 1:25,000 have to be prepared. Therefore, in this working period, the draft manual for land-use classification necessary for the successive fiscal year's fieldwork was prepared. The classification was classified in 28 items finally concerning the character of metropolitan area's land-use.

In future, if any city district redevelopment work for the urban area is implemented, it is necessary to correctly grasp the current circumstances of the city districts.

In this case, it will be important to investigate not only the natural conditions such as vegetation and the conditions of land utilization, but also the actual circumstances of buildings and public facilities used as the city functionality.

The 28 items in this classification were considered to serve as the basic materials for city redevelopment planning in the future.

Then this manual was prepared as a draft. Accordingly, before commencement the field work for land-use classification, this manual should be revised and agreed by Angolan side after the consultation with MINOPU.

5.3.2. Interpretation Keys for Satellite Images

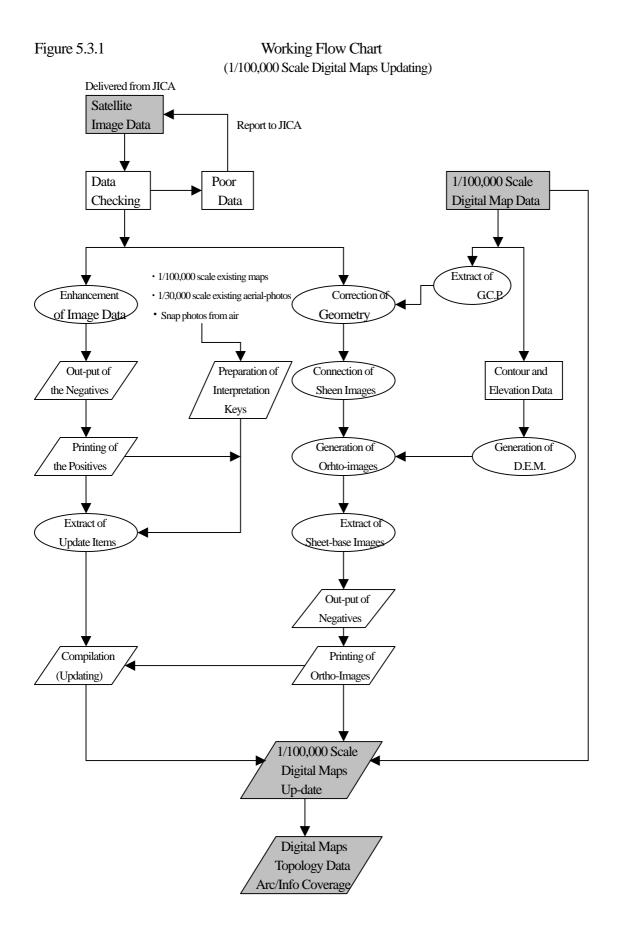
In the Study, existing 1:100,000 scale map's features such as roads, villages, vegetation and their topologies were interpreted on the recent satellite images ("SPOT").

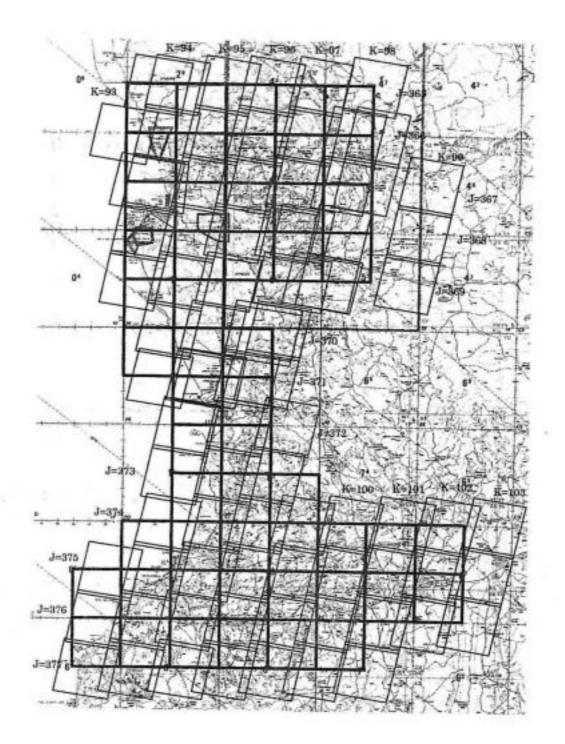
The keys necessary for the interpretation of satellite images for their up-data were sampled by comparing the existing maps of 1:100,000 scale and existing aerial photographs of 1:30,000 scale which were prepared pervious year and snap photos from air together with the satellite image data. For those places where interpretation was difficult or significant secular changes were observed. It was best to conduct the field verification. However, in the Study area at this time, it was impossible. If it was possible, there were some areas could not be approached for security reasons. These interpretation keys were collected and generated through the aerial verification using a air craft, and extract the typical areas using the "SPOT" satellite images within the Study area.

The interpretation keys prepared at this time were attached to the Progress Report 3.

5.3.3. Interpretation of Satellite Images

In order to check whether there is any problem on the "SPOT" images leased from JICA for the succeeding works in advance, attached information on the image acquisition (time the images were acquired, angle, and coverage) and the images were directly displayed on the computer using the quick look method. It was necessary to inspect the coverage state of the Study area and the tolerable amount of clouds and to confirm that there was no trouble for the succeeding study operations. If any serious problem exist, it was promptly reported to JICA and the measures were consulted with JICA.





The inspected and confirmed "SPOT" image data were processed for easy interpretation of vegetation and planimetric features such as by adjusting the luminance, density, and enhancement. Negatives were generated from the data using the film writing. From the generated negatives, enlarged images was generated for each scene with the scale of 1:100,000 for the preparation of interpretation keys and the site interpretation of update areas.

The topographic information and the information on planimetric features such as roads, canals, and small substances were comparatively interpreted with the existing topographic maps. The areas with secular changes were identified the images of these areas were interpreted based on the SPOT satellite images and the results of the interpretation keys, then classified, arranged, and recorded on the printed "SPOT" satellite images.

5.3.4. Preparation of Ortho-rectified Satellite Images

(1) Ortho-rectified image

Ortho-rectified images can be generated either by the same unit as the topographical maps (map-base ortho-rectification) or by the unit of the acquired scene of "SPOT" satellite images (scene-base ortho-rectification). In generating the ortho-rectified images for this time, the former map-base ortho was used. The reason was that, for extracting secular changes and digitizing the interpreted data on scene-base printed images, which are the main purpose of generating ortho-rectified images, generation of map-base ortho-rectification was more appropriate for the work because comparison with the existing topographic maps was easier.

(2) Generation of ortho-rectified imagery

1) Orientation work

An orientation element data of "SPOT" image is generated by selecting more than ten spots which are clear on the "SPOT" images, have no secular changes for each scene, and are the acquisition units of "SPOT" images, and by reading the coordinates of the selected spots on the existing maps, then the orientation work is conducted based on the orientation element data for each scene by giving the same ground coordinates of the target topographic maps to the "SPOT" image data.

2) Generation of digital altitude model

Digital terrain model (DTM) was generated by exacting and editing the areas (such as water surface) where the altitude is even) on the vector data of topographic data digitized by the digitization of existing maps and by inputting the altitude to the GIS software as the attribute data through the use of the conversion program.

In this case, for the purpose of preventing input errors or missing, each contour line was displayed on the screen for each color by paying sufficient consideration to the inconformity. In order check whether the DTM was correctly converted, extraction and correction of the locations with inconformity were conducted by generating contour lines from the DTM data and compare and inspect them.

Since the scenes covered by the existing maps and the "SPOT" scenes were not same, the a digital terrain model generated from the existing maps will be joined together to generate a joined digital altitude model covering the scenes of "SPOT" data. In this case, the input contour lines are joined together, but inconformity might occur when they are converted to the digital altitude model. Therefore, a digital terrain model covering the SPOT scenes must be generated by editing the digital terrain model while paying sufficient consideration to the inconformity.

5.3.5. Digitization of Update Date

The main process flow of this updating work involves displaying a section of the ortho-rectified image on the screen, overlaying that image with previously collected digital data (data created fiscal 1999) and then updating the existing digital data based on the change areas visible on the image.

Before beginning this work, the ortho-rectified images are cut into quarters so that their size is smaller. This allows for faster display (roaming and zooming operations) by the software. These quarter section images retain their geo-referenced qualities.

These images are then displayed using specialized software created in-house for such updating and editing work. The software, VecEdit, provides rich functionality within a graphic interface (GUI) for display, updating and verification of the digital data.

To assist with the updating, changed areas and features were indicated on miler film, one per map sheet. This cursory interpretation was carried out by expert trained in image interpretation and provides a visual aid for the data input technician while they are looking at the screen. This miler film, a check plot of the digital (GIS) data and the original base map are then examined in unison before the technician edits the existing data.

The GIS data for this project is grouped into related layers. These layers contain either points, lines, polygons or a combination of polygons and lines. However, during the input of all this data, a combined feature layer of polygons and lines was created to make the complex task of data creation more easy. This layer has been designated as the "working cover" (cover meaning GIS layer in software terminology). This "working cover" contains all vegetation, hydrology, road, rail and built-up area features.

The individual data layers are then made by automatically extracting a specific group of data,

based on a range of feature codes, from the working cover and then finalizing that layers structure with some additional processing commands within the GIS system.

The major importance of the "working cover" is to allow all of the dependent data features to exist within one common "cover" that can be easily edited and updated by the technician. This reduces the amount of time needed to update the features, but more importantly reduces or improperly structured data at the time of editing/updating and thus eliminates the task of editing each layer independently.

Working on a per/sheet basis, the new data features or changed areas are then edited using the VecEdit software. These new features are added directly into the "working cover" based on each feature's coding scheme. After completion of the initial updating for the sheet the data from the "working cover" are extracted and placed into their individual layers. This operation is performed by using the GIS software. Next, check plots of all the data for the sheet are made and feature checking and quality assurance is performed. Any mistakes or incorrect features are then re-edited and the layer extraction, check plot and feature checking are performed again. These tasks were performed for all of the sheets in the entire study area.

The study team identified that the most significant areas of change between the original base maps and the ortho-rectified image data was in Luanda and the surrounding areas. Since there was such a significant amount of change, it was decided that the updates for Luanda and surrounding sheets be based on data collected during the air-photo part of this project. Thus, 1:25,000 scale vector data of Luanda was generalized and used as a new base to update the 1:100,000 scale map sheet. Vegetation and features for the surrounding area of Luanda were extracted from the ortho-rectified imagery.

5.3.6. Generation of the Topology Data for 1:100,000 Scale Digital Maps

This section will describe how the topological data for the 1:100,000 scale maps has been generated.

As described in section 5.3.5, much of the data preparation has taken place in the "working cover." The GIS data for this project is grouped into various related layers. These layers contain either points, lines, polygons or a combination of polygons and lines. However, during the input of all this data, a combined feature layer of polygons and lines was created to make the complex task of data creation more easy. This layer has been designated as the "working cover" (cover meaning GIS layer in software terminology).

This "working cover" contains all vegetation, hydrology, roads, rail and built-up area features. The individual data layers are then made by automatically extracting a specific group of data, based on a range of feature codes, from the working cover and then finalizing that layers structure with some additional processing commands found within the GIS system. The major importance of the "working cover" is to allow all of the dependent data features to exist within one common "cover" that can be easily edited and updated by the technician. This reduces the amount of time needed to update the features, but more importantly reduces incorrect or improperly structured data at the time of editing/updating and thus eliminates the task of editing each layer independently.

The working cover is made up of points and arcs. Each of these points and arcs have specific codes as defined in the database schema. After editing of the "working cover" is complete, data is extracted from the "working cover" to form some of the other individual map data layers. For example, road data is extracted, by code, from the "working cover" in the form of arcs (lines), and then processed within the GIS and topological road layer data is created. In another example, hydrology data is in the form of both polygons and lines is created by extracting arcs and points from the working cover. The points are then processed in the GIS to become the "label points" or "centroids" of polygon water features. Where there are no points, the arcs that make up single line water features (small rivers and streams) remain. Uncoded polygons which may be formed inside the outline of the sheet are coded automatically to zero (0) because there was no initial label points extracted from the "working cover" for those areas.

Other data layers which are not inter-related to those features in the "working cover" are created separately. Examples of such layers may be independent point (symbol) features, or special text label points. These layers are still checked using the same rigorous quality control procedures as the other data layers, yet because these features are not part of the "working cover" their creation and management is considerably more simple.

Edge-matching of the data is performed on line and polygon layers. The majority of edge-matching work takes place in the "working cover" because of the number of layers present. Edge-matching work is normally carried out after edited features have been finished and verified. To facilitate edge-matching map sheets are merged into blocks of a manageable size, either 2×2 or 3×3 . Edgematching is then performed manually by the technician between the previous sheet boundaries, within these new blocks. After edge-matching and polygon verification is complete, the blocks are split into their respective single sheets.

The structure of the final deliverable data will be in the form of a "map library." This "map library" form is specific for the GIS software used in this project [Arc/Info Rev.7.x by ESRI Inc. (Redlands CA, USA)]. The concept behind the "map library" is to allow large amounts of tile based data to be more easily managed, viewed, plotted and queried. The data is only put into the "map library" once all of the edge-matching, checking and quality assurance tests have been completed. The map library uses a similar grouping found in the database to manage the different layers of data. The "working cover" is not inserted into the "map library", but is provided in the final delivery as a starting point where future updates to the data can made.

While it is possible to edit data within the environment of the "map library" within certain software packages, it is usually easier and more robust to extract data from the "map library" make edits and updates, then process and re-insert the data back into the library. The functions for this set of procedures is contained within the "library management module" of the GIS software.

5.3.7. Map Data Composition on 1:100,000 Scale Digital Maps

Table 5.3.1, 5.3.2. provides a brief description of the contents of each of the data layers in the GIS database. This brief description will serve to highlight the various types of data for each layer. In the table, the "layer description" shows the main layer group description and also provides information on the type of data, being points, lines, shapes, complex (lines and shapes), and text data, etc. In the center of the table is the coverage name for the represented group. This is the official named datafile within the GIS database. Finally, the "data contents" section serves as a listing of the major types of feature data found within the representative layer group. References or notes describe any special characteristics or requirements of the data features within the respective layer.

A more comprehensive description of the entire GIS database can be found in Table 5.3.3 ~5.3.5 and additional Abbreviation Codes, Table 5.3.6 ~ 5.3.8.

5.3.8. Preparation of Draft Operation Manual for GIS

Draft operation manual for GIS was prepared for use in "Learning Arc/Info" as a part of Technology Transfer. This manual will briefly explain conceptual background, as well as the usage of project specific functions of GIS-Software Arc/Info. The data compiled in previous phase at a scale of 1:1,000,000 covering the whole country were used for exercises. The training data and this manual will be available for the counterpart agency for use in their "self-study".

This operation manual was prepared as draft, therefore should be revised and added additional items at the final stage.

Layer Description	Cover Name	Data Contents
Administration (Cartographic - Lines)	po_81_a	broken symbolized lines shown on the maps delineating admin boundaries, and national parks.
Administration (Shapes)	po_80_s	data from po_81_a will be made into polygons with the help and advising of the Counterpart agency. this data in polygon from does not yet exist in the GIS database.
Benchmarks and Elevation Points	bm_72_p	contains points with elevation data and additional geodetic control information if present.
Cities, Villages and Farms (Points)	pp_10_p	point features containing the names, number of houses, and other admin. related information as shown on the base maps.
Contours	ct_71_a	contour lines captured as shown on the base maps. Sometimes broken or incomplete in small instances, no additional editing was done to close or interpolate between or within areas not covered.
n este en la servicione d'actories		The second s
General Annotations (as codes)	an_90_p	a point with a numeric value that is linked by that value into the annotation table. Used to plot identical annotation abbreviation codes for point symbols.
General Annotations (as strings)	an_95_t	a point with a string value used to plot a unique annotation string at the specified point. A numeric anno_code value is also used for additional data clarification, but not usually plotted.
Hydrology (Annotation Labels)	dn_53_t	unique text strings and/or anno_code values
Hydrology (cartographic - lines)	dn_54_a	small line features on the map which serve only as cartographic symbology (rapids or waterfall) and should not be part of the GIS data
Hydrology (cartographic - points)	dn_54_p	small point features on the map which serve only as cartographic symbology (river heads, small rocks) and should not be part of the GIS data
Hydrology (cartographic shapes)	dn_56_s	larger area features on the map which serve only as cartographic symbology (sandbank symbols) and should not be part of the GIS data
Hydrology (complex)	dn_51_c	main water data, polygons and lines, all rivers, lakes.
Hydrology (points)	dn_52_p	primary water point features, wells, tanks, etc.

Layer Description	Cover Name	Data Contents
Infrastructure (Points)	if_30_p	main man-made structures usually represented by point features on the map. An anno_code is present if annotation abbreviation exists.
Infrastructure (Shapes)	if_31_s	main urban areas, airports, large ruins and cemeteries.
Railway (Lines)	п_23_а	rail road lines, sidings, and other track related features
Railway Facilities (Points)	n_23_p	rail road point features include stations, loading docks, etc. (shown as small square point features on the maps)
Roads and Paths	rd 21_a	major road and transport linear data features
Road Facilities (Lines)	rd_22_a	road related features symbolized as lines; embankments and bridges over 100 meters
Road Facilities (Points)	rd_22_p	road related features symbolized as points; medium to small sized bridges, and culverts
Topographic Symbols (complex)	tp_73_c	cartographically symbolized area and line features, having no elevation data; dry river beds, geologic dikes, large rock slide areas.
Topographic Symbols (points)	tp_74_p	cartographically symbolized point features, having no elevation data; rock outcrops, sinks, peaks, caves.
Topography (Annotation Labels)	tp_75_t	unique text strings and/or anno_codes values
Utilities (Lines)	ut_35_a	power and energy related line features, oil pipelines, electric power lines, telephone lines.
Utilities (Points)	ut_35_p	power and energy related point features, oil and gas wells, electric power sub-stations
Vegetation Cover (cartographic - lines)	vg_64_a	cartographically symbolized features as a tree line or wind break, in a linear pattern
Vegetation Cover (complex)	vg_63_c	main vegetation polygon data
Vegetation Cover (Points)	vg_62_p	descriptive vegetation symbols showing canopy information, vegetation type, density, etc. (taken directly from the basemaps; not field verified)
Vegetation Cover (cartographic shapes)	vg_65_s	cartographically symbolized polygon features used to show marshes and swamps.

Technol gener point Audies Generate Print Autoromical Point Learling Devi	222	55888 55888 55888	8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						1000 UNIO
	<u> 22222222222</u>		<u> 222222222222222</u>	Peri Mal 1 Peri Mal 1	Language and the second				
More Class Proc Laters Address Annu And Farry Polit Laters Antonio Chan Proc Laters Antonio Chan Dan Antonio Contens Dan Antonio Contens Dan Antonio Contens Dan Antonio Contens Dan Antonio Contens Dan Antonio Chana Dan Antonio Chan Antonio Chana Dan Antonio Chana Dan Antonio Chana		100 100 100 100 100 100 100 100 100 100		Read (1,2,1 Read (1,2,1 Read (1,2,1) Read (1,6,2,2) Read (1,6,6,2) Read (1,6,6,2) Read (1,6,6,2) Read (1,6,6,2) Read (1,6,6,2) Read (1,6,6,2)	Model (20.11.C)	Centul Model (A 5 B)	Contract Con	Areko CODE (4,5,4) 19,4,5,1 10,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,	1684 1686 1986 1969
preval accitation / Accession (ac color) preval accitation / Accession (ac color) preval accession / Accession (ac color) preval accession / Accession (ac color) preval for a resolution (ac color) accession (ac ac color) control (ac ac color) control (ac color	1111 1111 1111 1111 1111 1111 1111 1111 1111	6 1 1 1 1 1 1 1 1 1 1 1 1 1	800 800 800 800 800 800 800 800 800 800	ANNO CODE IA ANI ANNO CODE IA ANI ANNO CODE IA ANI TECT 2011 BOOKCI TECT 2011 BOOKCI ANNO CODE ANI ANNO CODE ANI ANNO CODE ANI ANNO CODE ANI	APPEND 2002 (4.6.9) additional farms 2 APPEND 2002 (4.6.9) APPEND 2002 (4.6.9) APPEND 2002 (4.6.9) APPEND 2002 (4.6.9) APPEND 2002 (4.6.9) APPEND 2002 (4.5.9) APPEND 2002 (4.5.9)	TZKI FOHT MIT	TEAT Electronic Electronic	A soldbook litera f	(G.C.A. Number 128 138 138 138 138 138 138 138 138 138 13
Americania Americania	***********			TYPE (4.5.0) TYPE		AMAN CODE (14.1) AMAN C			5 8897758879885788 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8

ð I	ANNO COOP IA CON	1	1	1	I	ł	Į	Ľ	Ł	NUM CODE IN A CODE IN A CODE IN A CODE	L	L		L	3111 ANNO CODE (4.5.B)	2112 ANNO COCE M.2.B		2119 ANNO_CODE (4.6.9)	2116 ANNO_CCCCE[4.5.0]	21/20 MMM2 CODE (4.5.8)	1000	THE CONTRACTOR OF A	1126	and a	terre D CODE	200 7495 11.1	2200 TYPE H.2.1 COMPRIMENTO I2 3.1	2201 TYPE 11.2.1 COMPRIMENTO [2.3.1]	2000 Tring P.2.1 COMPRIMENTO (2.3.1)	2101 TYPE 11.2.1 PMV LARGURA 12.2.0	2101 TTTC [1.2.] Prov. LAPSURA [2.2.] EST LAPSURA 5.2.5	A TO A DESCRIPTION OF A	STOR THERE IS A DEVICED BALLED BALLED	2104 TYPE 11.2.1 PAUL LANGURA (2.3.1	2106 TYPE (1.2.0 PAV. LANGUMA (2.2.0	2110 TYPE(1,2) PAV LAPSURA (2.3.1)	2115 TYPE [1,2,1 PAV LANS, RA [2,2,1]	144	7100	7160	2014	1012	Ł	7106 JAND CODE (45.0)	Ŀ			1960 TEAT STR 190,40 CI	Compared and Com	Ł	11		T245 TEAT STR (00/00/51	1	TOTA THE ROOM C	TOTAL TARY STR MOREC	The second
Large haves Large human Large Large Cone IN		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-							-	6				1 21 1 1 21.0	1 H 1 CHU	1 1 1 1 1	1 121	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					Lover Name Lawer Mandeer Laner Topic Cover M	and the second se	2	9	a	-			21	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1 21 10 121 A	1 21 10 12 10 12 0	-		115	T 173 1 1 1 1 1 1 2 2 5	A + 61	I		14 10			121 B	e						15			
in [hat - at and block circles]	Personan and forth willing and	F SCHOOL BY THE YES AND RECEIPTING		TOWNY AND CANADIANTS	International and a second sec	Successed to and the set of	Chand	Directo Traver Line Constructions	Industry Christian Annual Annual Annual	Carvager, and as a point funder	Party, as a print heat.re	Norwall	Meether Sellon	Built as areas, major cities	Buill up around a durthan	Built up when, runk and other	Mapori	Augort Human or Tarnas	Certelery, es a shupe	Plaine, large areas	and the second se	Instant Arrists they	Patrice Salary Success	I radio from and Pathons	Evelation and and and and and and and and and an	andersonands and cuts (her roads)			n, and Cuhrets or Chamage Pipes	first order roads	der construction)		Language rails of the second second rails of the second second rails	path for cart	fixed path.	Pighasis 5	SIDE IN DAMINE ADDR	dy frequences	0 1001		pering c divel	Plat (Merselan)	India function	o entreroni		as points of reference		oper raner-		Parvaca corcer haves	tells oproce renew		19741	Top -proper_name		Dev Block hard strender America	the first set of the set of the set of the
Leyer Description hstructure (Points)	80	CONTRACTOR OF STATES	61	And a second sec	A sub-set of decision	A sub- where a strike			scheeters as (Science)	Intractucture (Form)	Intraduction of Page 14	Infrastructure (Points)	Inheatrocker (Points)	Infrastructure [Shapes]	Infrastructure [Ehaces]	Infrastructure [Shapses]	Infrastructure [Shapare]	wheels where [Shapper]	Interiouthers [Present]	ritrathucture (Shapee)	and the second se	Party June 1	Subset Facilities (Polyne)	Suburst Pacifican (Postant)	Lever Description	tool Facilitat (Lines)	Road Facilities (Lines)	Road Facilities (Points)	Number Presidence (Projecta)	Aceds and Petha	toads and Paths	CORR AND THEN	Contra and Paths	toota and Patta	Icada and Patha	HOMOR AND FRITS	these and fails	December Service	Incomprise Services	Incorrectic Egration	Topographic Rymbola	OPPORTUNITY STREET	Toeorgene Bantole	Toporative Syndrem	Trengmetric Serbole	Treographic Agnetice	Transmitty (Armitelian Labels)	Topognatry (Annatation Laberty)	Trecomptive (Arrentation Labora)	Topography (Averation Laters)	Transmotis (Acministran Labela)	Topognaphy (Annualism Labela)	Decomposity (Acrosofter) (urbein)	Tecoprofity (Acresie)on Lebels	Department (Arrighter) Laboration	Transmission (According to Acc	Texture of the second second second

Table 5.3,4

Large Understand	La Ba	LANK NAME LANK NAMES		Layer Tage Lover N	100.00	C NORTHNEE THE P	T BLAN WROADS	1 NO.6 OK 19409 1	NOTIONAL PROPERTY.	additional listen 1	LOCA NUMBER
as (Lines)	Teleprone-Teleprech Lines	35	-	M 25 *	2022	AMMAD CODE (45.0)					N.
Time [[J/rast]	Prover Transmission Low	14 25		wi 28. s	-	AMMO CODE MORE					48 49
the Duranti	Address growned pagestrines	14 25		N. 36. W	1990	MAND, CODE (4.6.00)					1
es (Ures)	Underground poenses	52 M	-	N.16.4	N.M.	AMAGE CODE (4.5.85					
test (Pointed)	Gan and Polynican Burring Toware	14 35		1 N 1	実施	AMMO CODE N S DI					-
A [Public]	One and Permeun Weils	10 20		a 102 100	98	AMMO CODE MARK					3
en (Pointe)	Gast and Fuel Disruge Areas	14 15		A DO A	1900	AMAD CODE JUAN					14
las (Polyto)	Filling Barlani Gas Bland	35	-	a M M a	14	ABBO CODE AS M					ą
A (Partici)	Prove Station, France Generating Station	10 10		N 26.2	19.00	AMAD CODE (4.5.00					-
a (Painto)	Prover State-Stations and Transformers	14 25		N 20.9	Lange	AMMO CODE (4.5.00					4
en (Pario)	Redo and Teerings Broeksetting Stations	R 1	4	1.16.14	appe	MAND CODE (KAM					8
Des (Public)	Placto and Television Transmission Tower	4 25	-	at 16 a	1981	AMMAG CODM (14.5.00)					IN
Test (Purcha)	Telectors and Takepack Office	14 26	-	a 10 m	1000	AMAD CODC 45.0					2
gent on Corer (certagraphic - knee)	Plantact Tree Line (which bread)	10		10 BL .	1040						08
cention Cover (complex)	Megelation and sol bounday	100 00		10 M	1548						180
getation Core (complex)	Sandy or learner areas	10 00		1 10 20	1000						
Part Ian Corer (complex)	Faret	20 E		10.0	0.00						
mitm Cover (complex)	Pers Moade		-	100	1100						
ation Control (controller)	Bhock with a minister of pitters	14		5 (0 S	10-1						
ation Corer (pompted)	(Deserved)			1001	1010						
et lan Corer Jopmoles	Greekend with a mjohan of abrub			10.014	1010						
watter Count (murphy)	Greenword with a ministry of these		-	S (0.2	100						
ottian Corer (porgend	Chessiand with a resture of shick and here.			10.01 1	100						
ent an Corer (pomples)	CARVANCE Land			100 00	10.00						162
And have Counter Congregation	Collection with a minimum of plane.			5 00 c	1000						
elle to Corer (complex)	Coffee Partecian			10.51.5	1000						200 elbist
operating of cover (complex)	Bugar Care Planarian		-	203	1001		and the second se			Contraction of the local distribution of the	290
estima Corel (particular)	Outwel			103	1000						121
William Couler (Includies)	CRH Farmin		-	10.01	u:u						
and an Over (months)	Margane.		-	202	100						120
Million Cover Dovergined	Marth or Some (narrosomia)			10 Cl C	1010						877
William Cover Dootsplant	Hurst of Service (accession)			10 M 1	1110						101
relation Coner (conscient)	2			1000	1000						120
Marris Cover (prompter)	Carl Marth Carl Part (Boyareastrict		-	12 60 C	0048						120
(all series (Prevale)	Pares Construction and internations			10.02	1000	Trightin	ALTURA JULI	ENVIRENCE ALCORD	DRIT BATHS 22.5.5		212,212
Million Coner (perturphism anapes)	March of Swarpy Jaconsection	-		16 M. 0	6136						177
ation Cover (nethorachie shapes)	Sait Warth/Sait Pan (accessible)		-	1 10 10	10013						1000

Anno_code	Anno_str	Anno_desc_port	Anno_desc_eng
9999	NA	NA	see an_90_p (used as a check flag)
9590	NA		National Park <proper name=""></proper>
9591	NA		dry lake name with black text color
9592	NA		marsh, or tidal swamp name
9596	NA		used as check flag for Bridge name
9597	NA		All CAPS unknown text string
9598	NA		CAP/small unknown text string
8210	Parg. Nac.	Parque Nacional (nome proprio)	National Park <proper name=""></proper>
8887	aband.	Abandonado	abandoned
8888	avar.	Avarido	damaged
8889	destr.	Destruido(s)	destroyed
PERINANE	STATISTICS.	A MANUAL MANUAL PROPERTY AND A MANUAL PROPERTY OF A MANUAL PROPERTY	the second second states and s
5122	sal.	Agua salobre (nos rios lagos e nascentes)	salty water
5205	tang.	Tanque	tank
5501	nasc.	Nascente	river head IGCA 145 a
5502	nasc.	Nascente	river head IGCA 145 b
5503	Pace	Poco	well
5504	poco seco	Poco seco	dry well
5520	alc.	Fonte alcalina	alkaline spring
5522	term.	Fonte de aguas termais	thermal spring
5530	abuf	Abufeira	lagoon
5535	rap.	Rapido (sem nome proprio)	rapids
5540	prof.	Profundidade	depth
5550	ancor.	Ancoradouro	anchorage
5551	hang, barc.	Hangar para barcos	boat house
5552	jang.	Jangada	roped raft across river
5553	porto	Porto	port
5554	trav.	Travessia a barco	boat crossing
5555	VBU	Vau	ford-river crossing
5556	repr.	Repressa	dam
5560	D D	Pedra (leito do rio pedregoso)	stony river bed
dn 51 a	Canal	Canal (nome proprio)	Canal <pre>comper name></pre>
dn 51 a	Rio	Rivers (nome proprio)	all Rivers <proper name=""></proper>
dn 51 a	Raicho	Raicho (nome proprio)	all streams or brooks <proper name=""></proper>
5300	Baia	Bala (nome proprio)	Bay <proper name=""></proper>
5300	Costa	Costa (nome proprio)	
5300	Gol.	Golfo (nome proprio)	Coast < proper name> Gulf <proper name=""></proper>
5301	Rio	Rio (nome proprio)	
5305		Lagoa (nome proprio)	River (as a shape) <proper name=""></proper>
5306	Lag.		Lake «proper name»
5309	Lag.	Lagoa (nome proprio)	Lake <proper name=""> (black text color)</proper>
5313	Lag. Qued.	Quedo (como presido)	Temporary Lake <proper name=""></proper>
and the second second	and the second s	Queda (nome proprio)	waterfall <proper name=""></proper>
5315	Farol	Farol (nome proprio)	Lighthouse <proper name=""></proper>
5317	Enseada	Enseada (nome proprio)	Cove - Inlet <proper name=""></proper>
5319	Pant.	Pantano (nome proprio)	marsh - swamp <proper name=""></proper>
5320	Pantano	Pantano (nome proprio)	marsh swamp <proper name=""> (black text color)</proper>

	Anno_str	Contraction of the second seco	Anno_desc_eng
3005	oub.	Cubeta(s)	hut
3007	casa(s)	Casa(s)	home(s)
3008	isol.	lisolada (casa)	isolated house
3020	mina	Mna	mine
3027	Inuin	Ruina	nuins
3029	mon.	Monumento	monument
	Contractor Street Street, Stre	A CONTRACT OF A	The second s
3031	est. met.	Estaco meterologica	weather station
3032	esc.	Escola	school
3033	inst.	Instituto	institute
3034	aerod.	Aerodromo	airfield
3035	aerop.	Aeroporto	airport
3036	aviac.	Aviaco	aviation - flying??
THE R. LEWIS CO., LANSING MICH.	the state of the second se		
3037	hang	Hangar	hanger – airplane hanger
3040	bombeir.	Bombeiros	fire station
3041	clin.	Clinica	dinia
3042	hosp.	Hospital	hospital
3043	hot.	Hotel	hatel
3044	ort.	Orfanato	The second se
the second second second	A CONTRACTOR OF THE OWNER OWNER OF THE OWNER OWNE OWNER OWNE		orphanage
3045	sanat.	Sanatorio	sanitarium
3046	conv.	Convento	convent
3047	cemit.	Cemiterio	cemetery - graveyard
3048	V. COM.	Vala comum	paupers grave (unmarked cemetery)
3049	fum.	Turnulo	tomb
3050	acuc.	Fabrica de acucar	sugar factory
3051	arroz	Cultura de arroz - Fabrica de descasque	rice field - rice milling factory
3052	cafe	Fabrica de cafe	coffee factory
3053	confec.	Fabrica de confeccoes	clothes factory
3054	cons.	Fabrica de conserva	storage warehouse
3055	CONTRACTOR OF STREET		
the second se	dep. cer.	Deposito de cereais	cereal or grain storage facility
3056	est. merc.	Estaco de mercadoria	commodity station??
3057	fibroc.	Fabrica de fibrocimento	reinforced concrete factory
3058	g88	Fabrica de gas	gas factory
3059	ol	Fabrica de oleos	oil factory
3060	pap.	Industrial de papel	paper industry
	and the second second		
3061	pesc.	Pescaria (sem nome proprio)	fish market (no name)
3062	raco	Fabrica de raco	food factory
3063	text.	Fabrica Textil	textile factory
3064	trat. agua	Estaco de tratamento de agua	water treatment facility
3065	alp.	Alpendre	shed
3066	const.	Construco	building
and the local sectors.	Contract of the state of the state		
3067	depos.	Deposito	storage
3068	edif	Edificio(s)	building/structure
3069	viv.	Viveiro	nursery, fish farm
3072	sond.	Torre de sondagem	sounding tower (loadspeaker tower?)
3073	observ.	Observatorio	observatory – astronomical
3075	THE REPORT OF THE PARTY OF		
A DOM TO REAL AND	autod.	Autodromo	race track
3076	desp	Campo de desportos	sports camp
3077	estad.	Estadio	stadium
3078	pisc.	Piscina	swimming pool
3060	aviar.	Aviarios	henhouse
a set of a set of the set of the set	the day of the late in the day of the late		
3081	leit.	Granja leiteira	dairy farm
3082	quint.	Quintal ou quinta	place for drying tea leaves
3083	lact.	Fabrica de lacticinios	dairy production factory
3084	silo	Silo	silo
3085	sigua	Torre elevada	elevated water towar
3086	a. Protection and the second	Apeadeiro	THE PART OF AN ADDRESS OF AN ADDRESS OF A DRESS OF A DR
and in the set of the set of	apead.		railroad station / dock
3087	est fer.	Estaco ferroviaria	raikoad station
3088	tun.	Tunel	tunnel
3089	viad.	Viaduto	viaduct
3094	marm.	Marmore (material de extracco)	marble quarry
3301			TTO PARADO DE A VIOLE E E E E E E E E E E E E E E E E E E
and some state of the state	acamp.	Acampamento	military camp
3302	bomb.	matabomba.	munitions storage
3303	com. front.	Sede de comando de fronteira	border command station
3304	esti, nav	Estaleiro Naval	navy shipyard
or show the second second	n.	Forte	Fort
1306		I VIVE	IT STL
3305 3306	g. flor.	Casa guarda florestal	forest guard house

Anno_code	Anno_str	Anno_desc_port	Anno_desc_eng
3308	quart.	Quartel	barracks
3233	Fortal	Fortaleza (nome proprio)	Fortress - Fort <proper name=""></proper>
3205	S.to	Santo(a) (nome proprio)	(holy sacred) religious name
3210	cais	Cais	platform <rail maritime="" or=""></rail>
3212	Cruz.	Cruzeiro (name proprio)	monument (religious) <proper name=""></proper>
3214	Pesc.	Pescaria (nome proprio)	fish market <proper name=""></proper>
7140	ast.	Ponto astronomico	astronomical point (observation point)
7141	cav.	Cavema	cavern - cave
7142	gruta	Gruta	grotto
7143	leito	Leito seco	dry riverbed
7144	rocha(s)	Rocha(s)	Rock
7145	Ter.	Terra (dique)	earthen dam - dike
7146	vale	Vale	valey
7147	D	Duro (leito do rio)	dry riverbed
7148	L.	Lodoso (terreno)	muddy terrain
7501	liha(s)	Aha(s) (nome proprio)	island <proper name=""></proper>
7503	m.	Monte - morro - montanha	hill or mountain <proper name=""></proper>
7505	Montel.	Monticulo (nome proprio)	hill < proper name>
7507	Out.	Outeiro (nome proprio)	hill <proper name=""></proper>
7509	Pen.	Peninsula (nome proprio)	Peninsula <proper name=""></proper>
7511	Pico	Pico (nome proprio)	peak <proper name=""></proper>
7513	Ponta	Ponta (nome proprio)	Point < proper name>
7515	serra	Serra (nome proprio)	Mountain Range «proper name»
7517	Cima	Cima (nome proprio)	top «proper_name»
7519	vale	Vale (nome proprio)	valley <proper_name></proper_name>
1010	C.C.	Comissariado Comunal	Communal Commissioner
1020	C.M.	Comissariado Municipal	Municipal Commissioner
3092	CHE	Central Hidroelectria	hydro electric power station
3095	combust.	Deposito de combustiveis e lubrificantes	Fuel and Lubricant Storage
3096	petrol.	Torre - poco de petroleo - rifinaria	oil refinery
3097	of, auto	Oficina de reparaco de automoveis e tractores	car and tractor repair
3546	cent, el.	Central electrica	electric power station
3547	c.tr.	Cabine de transformaco	electrical transformer cabin??
3550	emos.	Emissora de radio	radio transmitter
3551	rad.	Montagem de radio	radio tower

Laper Description		11		ter Creeks	*** 10_5008	Addined here	and the second	ADDRESS TANK 1	Additional Design of	Adding to the A	IGEA Nue
Interior (Chapter)	Processing Insurgeries	88	22	1 1 1 1	žŧ	PEOVERDA_STR. (60.60.0)	1000001315_3355180				ň
Incomments and Emergics Parts Descriments and Emergics Parts Descriments and Readon Parts	Marcel (Serie Mar Sociosofia Sectores	5.5.5	PPP	TIL M	KE S	E restutes	Distanti and and the provident of the pr	POINT TRAT STREAMED INF 5-461-11 POINT TRAT STREAMED INF 5-461-14 POINT TRAT STREAMED INF 5-461-141	NU PAGE AND		
Constant Con	Open (Conje) Piscal orbital II.n Memeliki patian II.n Memeliki patian II.n Batanesi Analan		EFEEEE	222222	852281		Downel and Jose Jose Downel and Jose Downel and Jose Downel and Jose Downel and Jose Downel and Jose	Der TAAGNAN Ber FAALDAN Der PAALDAN Der PAALDAN Der PAALDAN Der PAALDAN			
Other Transmotts Linker Freeders Other Transmotts Linker Freeders Other Transmotts Linker Freeders Other Transmotts Linker Freeders Dire Transmotts Linker Freeders	Den Frakerberts Colts meanments Manas Dian		peper		92222						
All Parks in the	Colors for Dry Reen and Andrea Provident Dry Ritsens Bracker Dry Brannes Dry Reent and Transme		pere	1000 1000 1000 1000 1000 1000 1000 100	E C C C C C C C C C C C C C C C C C C C						-
Noriella (menito enti 100000 paratto enti 100000 paratto enti 100000 paratto enti 100000 paratto enti	Create Broading March Harr March Harr March Harr March Thomas Char March Thomas Char March Thomas Char March Thomas Char March Thomas Char	*****			<u>a filiata</u>						882288
Notification (constraints) and the second second and the second second and the second second and the second second second and the second second second second and the second second second second second and the second sec	Looke Terrerar live Looke Lan Law and Dr via active Law and Dr via Law and Dr via Law Anter John John John Law Anter John John John Law Anter Law Law Anter John		*******		eccures						S SALAN
	Come Maneary New Disease Come Come New Dawn New Dawn	6 6665	2 2222		. 932						8 882
Unadore Visional Disease Unadore Visional Disease Unadore Visional Disease Unadore Visional Disease Unadore Visional Disease	Personal Web Rose Constanti John Sona Canada web) John web Lanteren Lanteren	20120 S			iiie j						
	Even Tayl Decision (no. 2015) No. content. Traver			-	A A A A A						-
rtathoden Konst Internation Poens Internation Poens Internation Poens Internation Poens Mathioden Poens	stylet Re two Re two Re two See State See Add Batton See Add Batton Learn a		-		II A X A X A X A X A X A X A X A X A X A						
See Parts See Parts	Market Ballen Market Ballen March Some	-	RRS	-	233						Nat 1

New Test Ween Test Ministration Ministration Ministration Minist	Lager Description	Ergten	April 1991	1	Cover Name	D. CODE	Addennel James 1	additional farms 2	odd/bred have 2	widthew/here 4	additional larve 8	LD.C.A.Monther
	officiality influence (Theology)	Γ	L	ľ	1 20 4				l			L
	of saturations (Points)	Water Towar	Ļ	+-	1 20 0	1200						2
	officiality of the Portage	Listenaia	Ļ	۰	. 8 .	E						3
	STREET ATTACK REGISTERS (TREETERS)	Coan Areas in the direct contracts	ł	÷		L	AMAND CODE M S.M.					3
	of sole when the fighters (Toleves)	Then Balant	÷	÷	. 0	ŀ	AMART COOP M F. BT					
Manufacture Manufac	official article (haliding) (Principal)	Factories all Crockelants	÷	⊢	. 22 4	L	AMAND COOP MARK					
	advantage of an Buddhove (Dollarson)	New Addiest	ł	÷	- 0. 4	L	AUGO CTOPICA A R					
	structure distance (released)	Rea dar Dathers	÷	÷	- 12	Ŀ	ANNU CODE A S.BI					N
Michael Michael <t< td=""><td>Pault action Buildings Probably</td><td>Control of the local division of the local d</td><td>÷</td><td>۰</td><td></td><td>Ŀ</td><td>ANNO COCE N.S.BI</td><td></td><td></td><td></td><td></td><td>3</td></t<>	Pault action Buildings Probably	Control of the local division of the local d	÷	۰		Ŀ	ANNO COCE N.S.BI					3
Option Manual Manual Manual I N <td>Waghter Buildings (Principal)</td> <td>Patter</td> <td></td> <td>÷</td> <td>- 10</td> <td>Ŀ</td> <td>ANNO COCE N.S.B.</td> <td>the second s</td> <td></td> <td></td> <td></td> <td>3</td>	Waghter Buildings (Principal)	Patter		÷	- 10	Ŀ	ANNO COCE N.S.B.	the second s				3
Monte State	Infrastracture Buildings (Policyces)	Prost/Mentured Publicings		+	r 20 a	Ľ	ANNO CODE N.S.R.					3
	Infrastructure Sublings (Tologora)	Weether Station	1 1	+	* 20 ×		ANNO CODE MULTIN					2
Matrix Matrix	infrastructure (fullifings (Polygorst)	School		н	F 22. s		ANNO CODE M.O.R.					R.
	stastructure Subtings (Polygons)	Neuchal		-	F 32 a		ANNO CODE MAKE					
MDERUTION MDERUTION I	stheartucken Buildings (Polygone)	Hotel		H	1 22.4	Н	ANNO_CODE M.S.IT					2
March March 1 2 1 2 3 1 2 3 1 2 3 1 2 3 1 1 3 1 1 3 1 1 3 1 1 3 1 1 3 1 1 3 1 1 3 1 1 3 1	Internation Buildings (Notestan)	Status	-	L	# 20 a	Ŀ	ANNO CODE M S.R.					2
Transing Internation I (2)	effectively as Buildhess (Polycons)	Annel	⊢	⊢	1 20 a	L	AMAND CODE M M RI					
Option Material length (1 (2) (1 (2) (1 (2) (1 (2)	all and the full from (Delever)	[] weight]	┝	÷-	- 01.4	F	AMAIN COOP IS A REAL					
Markament 1	Contraction of the local day of the loca	the stress (borner)	ļ	÷		Ī	IN THE PARTY OF TH	and the second se				2
Marka manana I 1 <th1< th=""> 1 1 <th< td=""><td>The state of the same and the same</td><td></td><td></td><td>÷</td><td>-</td><td>I</td><td>THEORY MANY COLUMN</td><td></td><td></td><td></td><td></td><td></td></th<></th1<>	The state of the same and the same			÷	-	I	THEORY MANY COLUMN					
Market in the state of the state o	And and the last second	And in case with the		ŀ	- 14 1	1110						
Answer Stress 1 <th1< th=""> 1 1 <!--</td--><td>A NEW ADDRESS IN A DESCRIPTION OF A DESC</td><td>The second second second second</td><td>ł</td><td>÷</td><td>- 10 -</td><td>1111</td><td></td><td></td><td></td><td></td><td></td><td></td></th1<>	A NEW ADDRESS IN A DESCRIPTION OF A DESC	The second second second second	ł	÷	- 10 -	1111						
Constration 1 <th1< th=""> 1 <th1< th=""> 1 <th1< th=""> <th1< <="" td=""><td>And a state of the state of the</td><td>Above Distance on Taxan</td><td>ł</td><td>ł</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th1<></th1<></th1<></th1<>	And a state of the	Above Distance on Taxan	ł	ł								
Marken and all 1 <th1< th=""> 1 1 <</th1<>	territoria averagence	THE REAL PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPE	÷	ł	-	1			and the second se			-
Sector 1 <td>International Conditional</td> <td>A PARTY, BI B MARKED</td> <td>+</td> <td>+</td> <td>1.2.1</td> <td>2002</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	International Conditional	A PARTY, BI B MARKED	+	+	1.2.1	2002						
Sport Ormsta I 1 <t< td=""><td>CONTRACTOR OF DESCRIPTION</td><td>Martin</td><td>+</td><td>+</td><td>8 12 A</td><td>1994</td><td></td><td></td><td></td><td></td><td></td><td>-</td></t<>	CONTRACTOR OF DESCRIPTION	Martin	+	+	8 12 A	1994						-
Nation ratio Number of the second secon	Pretracture (Polygone)	Sports Graunds		+	121.0	2064						129
Markan states r r 3 r 5.3.0 10000 1000 10000 <th< td=""><td>the state of the latence with the state of the</td><td>And the second se</td><td>4</td><td></td><td></td><td>-</td><td></td><td>and the second se</td><td>and the second se</td><td></td><td>Concession of the local division of the loca</td><td>and and and and and and and and and and</td></th<>	the state of the latence with the state of the	And the second se	4			-		and the second se	and the second se		Concession of the local division of the loca	and
Matheway offension r 20 1 2-33.4 2000 Matheway offension r 2 3 1 2-33.4 2000	and here of the set	Rahway active	-			Page 1						H
Name Name <th< td=""><td>(ellowery (), Heek]</td><td>Ristway eterutions</td><td>_</td><td>-</td><td></td><td>2002</td><td></td><td></td><td></td><td></td><td></td><td>2</td></th<>	(ellowery (), Heek]	Ristway eterutions	_	-		2002						2
First Grant State First Grant State First Grant State First Grant State First Grant State <td>Carlineary (Linear)</td> <td>Railway adings</td> <td></td> <td>-</td> <td>m 23 p</td> <td>2303</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>E</td>	Carlineary (Linear)	Railway adings		-	m 23 p	2303						E
Chill State State Cold Cold <td>and a second sec</td> <td></td> <td>Ļ</td> <td>H</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	and a second sec		Ļ	H								
Christer fields Fri 1 Fri 1 Fried 112	founds and Factor A local	Buse Potes Buads	L	÷		1100	VUILT IN A	BALL LABOR BALLS & R.	207 1 40/0 Ma 19 3 8	CTON & CI		10
Strend State Strend State<	Truck and Take 3 have	The Beach Boards	Ł	÷		2100	TVINE IN 2 B	TALL AND DESCRIPTION OF A DESCRIPTION OF	POLY LANCE MA 13 3 1	CTRUE CT		20
New Name Nem Name New Name New Name New Name New Name New Name New Name Nam	Fracts and Dates A tract	discondingly	L	÷		2100	THEFT	DAVE LADOLDALIDA 13 5 1	TOT LANCE TALE 2 P	STR9 6.C		and and
Montanti Nov. Landomicati Bit I. di R.	made and Paths (Lives)	Putt for carls tracks		H		1104	TYPE N 2.6	PAVE LANDLING 13 2.11	EST LARGERA (2.2.8	STREEC.		8
Network Mark Strete II 21 6 11.3 2100 Treds 1.1.4 2100 21	Toats and Falls (Lines)	Poot page		H		2108	Trine (1.2.0	PAY LANDLINA (2.2.1)	EST LANCE MA [2.2.1	STHEN & CI		10
Contributed of Laboration Ori 1 a d.21.a 2106 Trade (1.2.1) PMC Jubra (2.2.1) STRE Jubr	Posts and Paths (Lines)	Prierze Urben Strette		H	MILLA	2100	THEFTAR	PAY LARGURA (2.2.0)	EST LANGUNA (2.2.6	21109.9/0		N
Mode Union Radia Id 11 12 1200 1666 1200 1666 1200 1666 16 1200 1666 166	Preds and Faths (Litres)	Centerfine of st_poly coverage	1	4	H PLA	2108	THEILLE	PAY_UARGURA (L.2.0)	EST LARGURA 2.2.0	57908.8/GI		
Media Matrix Matrix </td <td>Scaling and</td> <td>Contraction in the second</td> <td>1</td> <td>+</td> <td>1</td> <td>COLO</td> <td>NAMES OF</td> <td>APPENDING CONTRACTOR</td> <td>1 CONTRACTOR OF A</td> <td>State Dought an</td> <td></td> <td>-</td>	Scaling and	Contraction in the second	1	+	1	COLO	NAMES OF	APPENDING CONTRACTOR	1 CONTRACTOR OF A	State Dought an		-
Material In <	(mail (host got a)	REAL PROPERTY AND ADDRESS	1	ł	12.2	2002	TT I SAL	COMPANY NUMBER OF STREET	LANGUMA K.A.	THE NAME OF TAXABLE		
Printer Franch Contract R LUX 2000 Print Franch R LUX 2000	Property () (and () and ()	and the second s	+	+	1 23 -	2002	THE LAS	ICOMPANY AND IS AN INCOMPANY	LANZ/PA R.A.I	IVUNXVINO.		10
Types (International Action (Intera Action (International Action (International Action	The Course of the local days o	ABOM EVANO SOMETRA	+	+	W 20 C							
Nor-Volgender Ansas Nor Nor Nor Nor Nor Seriel Terret Yo	Name of Street	Paren (meaningen Links	ł	t	100	ave						- 10
Factor Street 73 74 74 75 74 75 74 75 74 75 <th75< th=""> 75</th75<>	Unselement Press (Deliment)	The line has been and	1	ť		100	the second se		and the second se	and the second se		
Partini Tag Tag <thtag< th=""> Tag <thtag< th=""> <thtag< t<="" td=""><td>University Press (Notament)</td><td>And Tests</td><td>1</td><td>ł</td><td></td><td>100</td><td></td><td></td><td></td><td></td><td></td><td></td></thtag<></thtag<></thtag<>	University Press (Notament)	And Tests	1	ł		100						
Americani No. No. No. No. Consistent N N N N N N Consistent N N N N N N N Consistent N N N N N N N Consistent with a relater of finals N N N N N N N Consistent with a relater of finals N	Contraction of the Charles of the American	Contract Line of the line of t	I.	ł		TOOL STOR						
Tentencie 1 2 1	Contraction of the state of the	Some Manda		÷								
Constraints with a thetare of time. Clip. Distribution Clip. Distribution Constrained with a thetare of time. Clip. Clip. Distribution Distribution Distribution Constrained with a thetare of time. Clip. Distribution Distring Distribution Distr	A REAL PROPERTY AND A REAL PROPERTY.	Contraction of the local division of the loc	1	÷								
Constraint of the statuse of strate and str	The second	Contraction of the second second	4	÷	1 10 10	100						
Conservation of the statute of status of the status Conservation of the status <thconservation of="" status<="" th="" the=""> Conservation of the</thconservation>	Value of the second of the sec	APPENDING NOT A TRACT OF STREET	4	÷	100	100	and the second se					
Controlled and Controlled and Controlled and Controlled and Controlled and Controlled C	And a state of the	NAME OF A PARTY & LOAD A DAMAGE AND	4	+	1 10 10	100						
Control and solution No.	Appropriate County Providence	IN WORK OF A PURCH OF USA DARRIES OF	4	+	100	100						
Contraction with a module screener V3 K1 K120 Contraction V3 K1 K120 Contraction V3 K1 K120 Contraction V3 K1 K120 Context Presentation V3 K1 K120 Module Reserved V3 K2 K1 Module Reserved V3 K1 K120 Module Reserved V3 K1 K120 Module Reserved V3 K1 K120	Vegetellin Contr (Pohgons)	and		+	10.51	1005					and the second se	22
Ortmett 19 15 1520 Other Presiden 19 19 10 100 Mother Presiden 19 10 100 100 Mother Presiden 10 10 100 100 Margins 10 10 100 100	Vegetation Cover (Polygona)		- 1	+	10.61.1	8000	and the second s					and the second se
Other Firefolden 12 12 15 1533 Medicine 12 12 1234 1234 Medicine 12 12 1234 Medicine 12 12 1234 Medicine 12 12 1234 Medicine 12 12 1245 Medicine 12 12 1444	Ungetation Cover (Polygona)			+	1 13 6	1000						220
Modeline Districtions of 05 1 90 051 0504 Margonia processions of 1 90 051 0505 Margonia Processions of 0 1 90 051 0595 Margonia Processions of 0 1 90 051 0595	Ungetation Cover (Propagate)		_	+	1 23.0	6333						the second se
Mergona vg 00 1 10011 000 Marvin Serve (hacesurate) vg 01 1 0011 001	L'Agrieffen Const (Pologons)	1		+	10.00	EX4	and the second se					225
MANY OF SHORE AND ALL AND ALL ALL ALL ALL ALL ALL ALL ALL ALL AL	Hegetation Cover (Polygora)			+	1 19 54	000						124
	Vegetation cover (Polygone)	T		+	1 53 4	1040						100