



4.17.01 Custodians of CLUP Data

Note: The list of CLUP Data custodians found here is an initial effort, and new information will be added as they become available. For the latest version, please visit the HLURB Homepage: <http://www.hlurb.gov.ph>

The proper start of data capture once the objectives and indicators have been agreed on is an inventory of attribute and spatial data that are available or accessible. Information, such as attribute and spatial data needed in preparing the CLUP Information Products may be found in different agencies. Listed below are the key agencies and the types of maps available in their possession and are referred to in Chapter 5.01.01 ('Quicklook.xls/index'). In Chapter 5, the CLUP Tables are found.



Most of data are kept in the agencies' central offices in Manila and is in paper format (especially the spatial/map data). Others however are available in their respective regional offices. In some cases, the data have been obtained by the provincial government to be used in the preparation of its PCLUP. Unfortunately it is quite difficult at the moment to trace these datasets because very little metadata is provided by the agencies. As a result, the municipality does not have sufficient reference material for preparing its own set of thematic maps. Some validation and reconciliation will have to be done and there is a recommendation for data capture strategy found in Chapter 3.04.02 Information Products use.

A letter of request should be prepared before going to these agencies or Regional Offices. The letter should specify the data being requested, in what form and area of coverage (see template in Chapter 6.05). It may be possible that the spatial data of an agency can be shared for free if a MOA is prepared between the LGU and the agency concerned.


The table below provides information on secondary sources of data for the CLUP:

Agency	Information	Office to Visit/Tel. #
Bureau of Agricultural Statistics (BAS) www.bas.gov.ph	Agricultural statistics for fisheries, crop and livestock production on a provincial level. Information can be accessed through their website A help desk is also available for queries and through phone.	Central: Public Assistance Counter



Agency	Information	Office to Visit/Tel. #
	<p>Paper Maps:</p> <p>No Maps Available</p> <hr/> <p>Digital Maps:</p> <p>Digital attribute data available at the website</p>	
<p>Bureau of Soils and Water Management (BSWM)</p> <p>www.bswm.da.gov.ph</p>  	<p>Soil maps are available in two series, the soil series maps and the Land Management Unit (LMU). Soil series describe the soil type (Taal Volcano San, Tagaytay Sandy Loam, etc.), texture (weathered, tuff, sandy, etc.), structure and consistency (cloudy, source, columnar, etc.) of the soil. LMU describes the soil as combinations of other physical aspects (broad alluvial plain, karts plateau with limestone hills, braided river beds, etc).</p> <p>Other data that can be used for the CLUP includes slope, soil, erosion, flooding and SAFDZ maps.</p> <hr/> <p>Paper Maps:</p> <p>1:250,000</p> <p>1:100,000</p> <p>1:50,000</p> <p>SAFDZ (Printouts)</p> <p>Varying</p>	<p>Central:</p> <p>Cartographic Operations Division (Carto) – Paper Maps for Provincial Level</p> <p>Agricultural Land Management and Evaluation Division (ALMED) – Regional Maps of LMU and digitized maps of SAFDZ for selected Municipalities/ Provinces</p>



Agency	Information	Office to Visit/Tel. #
	<p>Digital Maps:</p> <p>SAFDZ (selected Province and Municipalities)</p>	
<p>Department of Agrarian Reform (DAR)</p> <p>www.dar.gov.ph</p> 	<p>It is the agency mandated to implement the Agrarian Reform Law. They are also in charge of approving land conversion from agricultural to other uses. They have Provincial/Municipal Agrarian Reform Officers (PARO/MARO).</p> <p>Previous projects resulted in a major digitizing data effort. They have digitized boundary maps taken from the administrative maps of NAMRIA. Soil, erosion, slope and flooding maps from the maps of DA. They also have cadastral maps digitized from the Lot Data Computations (LDC), parcel data from Tax Maps and Land Titles for areas without cadastral survey. These data can be found at the Provincial Office.</p> <p>As of now, no inventory has been done to assess how much they have but since the process of digitizing has been implemented at the Regional and Province level, they would have a large archive of digital data.</p> <p>Paper Maps:</p> <p>Varying scale</p>	<p>DAR Regional Office</p> <p>Provincial Agrarian Reform Office</p>

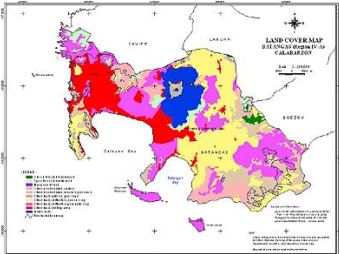


Agency	Information	Office to Visit/Tel. #
	Digital Data: Autocad file, TAB	
Department of Energy (DOE) www.doe.gov.ph	<p>The department holds data for power plant location, distribution facilities for oil, natural gas and coal, energy resources, electrification (un electrified barangay and electricity consumption). They advise that specific data (like plant area, electrification, consumption, etc.) can be gathered from the concerned units of attached agencies (PNOC, NAPOCOR, etc.) or companies.</p> <p>Paper Maps: No paper map available</p> <p>Digital Maps:</p>	Central Office: Information Technology Management Service – Information Service Division (ITMS-ISD) Field Offices; Cebu and Davao only
Department of Public Works and Highways (DPWH) www.dpwh.gov.ph	<p>They have data for roads classified as National Road in their GIS System.</p> <p>They are currently working on a distribution arrangement and sales of their data with NAMRIA</p> <p>Paper Data: No published or printed map for distribution</p> <p>Digital Data: Digital Data from their GIS has no</p>	Planning Services





Agency	Information	Office to Visit/Tel. #
	format available for ordinary public distribution	
Department of Tourism (DOT) www.dot.gov.ph	Holds statistics and provides consultancy support for LGUs for tourism. No map data for these sites. Statistics in terms of tourist arrivals in a certain tourist destination is captured and provided to them by the LGUs.	
Environmental Management Bureau (EMB) www.emb.gov.ph	Provides permits for Environmentally Critical Projects. A list (name, location, description) of these projects is provided in the DENR. No spatial data available. Environmental Critical Areas Maps are made at the Regional Offices in paper format but availability and updating of these maps vary per Regional Office. Data for Water Quality and Ambient Air Quality can also be obtained in the EMB. Paper Maps: No Paper maps available Digital Maps: No Digital Maps available	Environmental Quality Division (EQD) or Pollution Control Division (PCD) of the Regional Office, Environmental Impact Assessment Division (EIAD)
Forest Management	They have Forest Cover Maps for	Central:



Agency	Information	Office to Visit/Tel. #
<p>Bureau (FMB)</p> <p>www.forestry.denr.gov.ph</p> 	<p>2003</p> <p>They are also the source for Forest Production Data for each permit issued for a forest area classified for production. Delineation of forest areas for production is still in process so no spatial data, except for some areas in Mindanao, is available. Point sources will be made available, however, shape and area will be withheld for security reasons.</p> <p>An on-going Forestry Information System Project is an integrated attribute and map-based information of all the forestry tenurial instruments issued by the DENR-FMS</p> <p>Paper Map:</p> <p>Forest Cover:</p> <p>1:100,000</p> <p>Digital Maps</p> <p>Regional Forest Cover:</p> <p>Jpeg format available at the website</p>	<p>Forest Economics Division</p> <p>Region:</p> <p>Forest Management Service (FMS) of the DENR Regional Offices</p>
<p>Land Management Bureau (LMB)</p> <p>www.lmb.denr.gov.ph</p>	<p>The agency that will be the source for Boundary Information such as Proclamations creating the City/municipality, Municipal Boundary Index Maps, Barangay Boundary Index Maps and</p>	



Agency	Information	Office to Visit/Tel. #
	<p>Cadastral Maps</p> <hr/> <p>Paper Maps:</p> <p>Cadastral Maps:</p> <p>1:4,000</p> <p>1:2,000</p> <p>1:1,000</p> <p>1:500</p> <p>1:250</p> <p>PBS/MBIM/BBIM:</p> <p>Various scales</p> <hr/> <p>Digital Maps:</p> <p>No digital data</p>	
<p>Mines and Geosciences Bureau (MGB)</p> <p>www.mgb.gov.ph</p> 	<p>Agency mandated to map out Geologic Maps and Geohazard Maps.</p> <hr/> <p>Paper Maps:</p> <p>Geologic Maps and Geohazard Maps</p> <p>1 : 50 000</p> <p>1 : 50 000</p> <p>1 : 10 000</p>	<p>Map Sales Office</p> <p>Land Geologic Survey</p> <p>MGB Regional Office (Geology Section)</p>




Agency	Information	Office to Visit/Tel. #
	<p>(Selected Areas)</p> <p>Digital Data:</p> <p>Geohazard/Multihazard Maps</p> <p>Available in JPEG format in various scales</p>	
<p>National Commission for Culture and Arts (NCCA)</p> <p>www.ncca.gov.ph</p>	<p>NCCA is created for the preservation of Culture and Arts. Functions that may have implication to planning is the preservation of old structure or areas (whether historical or not) such as old houses which has designs or uses identified as Filipino Culture. Coverage is broad since it includes other cultural forms like dances, art, relics and the like.</p> <p>Paper Maps:</p> <p>No Paper Maps</p> <p>Digital Maps:</p> <p>No Digital Maps</p>	
<p>National Commission for Indigenous People (NCIP)</p> <p>www.ncip.gov.ph</p>	<p>They are the agency responsible for the issuance of Certificate of Ancestral Land/Domain Titles</p> <p>Paper Maps:</p> <p>Ancestral Land/Domain Survey Plan:</p>	



Agency	Information	Office to Visit/Tel. #
	<p>Varying Scales</p> <p>Digital Maps:</p> <p>No Digital Maps Available</p>	
<p>National Historical Institute (NHI) www.nhi.gov.ph</p>	<p>NHI would be the source of Cultural Heritage related data specifically Historical Sites. Though as the time of the research, only tabular listing is available but said they are currently in the process of mapping out the Historical Sites and be made available thru the web as an image capture of the location maps. No schedule as to when they will be available online. Mapping and GIS design is done by NAMRIA</p> <p>Paper Maps:</p> <p>None</p> <p>Digital Maps:</p> <p>Digital Maps currently being developed and is tentatively planned for web application.</p>	
<p>National Irrigation Administration (NIA) www.nia.gov.ph</p>	<p>It is the central agency responsible for irrigation servicing 1000 hectares and for those under the National Irrigation System. Communal Irrigation Systems are not under the NIA but the funding would come from the LGUs. The central office doesn't have map data for this</p>	<p>???</p>



Agency	Information	Office to Visit/Tel. #
	<p>national irrigation system though they have regional offices directly involved in the projects.</p> <p>???</p> <p>???</p>	
<p>National Mapping and Resource Administration (NAMRIA)</p> <p>www.namria.gov.ph</p> 	<p>There are two sets of maps available in NAMRIA that will be of good use for CLUP preparation. The 1:50000 Topographic maps covering the whole Philippines. Some areas have larger scale available which will be much better to use and they are available in their map sales offices. Land Classification Maps (LC) are available for many areas since according to the last data posted on the DENR website, only 3.36% remains as Unclassified Forest Land. The researcher should inquire for the availability of LC map for their LGU.</p> <p>Paper Maps:</p> <p>Topomaps</p> <p>1 : 5 000</p> <p>1 : 10 000</p> <p>1 : 50 000</p>	<p>Topomaps:</p> <p>Map Sales Office at Fort Bonifacio, Binondo, FMB and all DENR Regional Offices</p> <p>LC Maps and Lancover:</p> <p>Remote Sensing R D A Division (RSRDAD) at NAMRIA</p>



Agency	Information	Office to Visit/Tel. #
	<p>1 : 250 000</p> <p>LC/Landcover</p> <p>Varying from 1:100000 or larger</p> <hr/> <p>Digital Maps:</p> <p>Available for certain map sheets</p>	
<p>National Statistics Office (NSO)</p> <p>www.census.gov.ph</p>	<p>NSO has many published and digital materials for demographic and household data.</p> <p>Census on Housing and Population (CPH) contains the numerous demographic data (to be enumerated more) for the CLUP.</p> <p>They also have two digital products that would be of use. The Data kit of Official Philippine Statistics (DATOS) is an information package in CD that offers easy access to the latest statistical database of the country, region, province, city/municipality or barangay. It also has GIS modules, analysis, simple calculation using the volumes, create and print thematic maps and download database in Excel.</p> <p>Another digital product is the PUF (Public Use File) that contains the raw census 2000 data available per Province. It is formatted to create the tables found in the</p>	<p>Central Office:</p> <p>Library</p> <p>Regional Offices</p>



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	<p>CPH on a barangay level. It comes with the software used to read the PUF (IMPS)</p> <p>Paper Maps: No published maps</p> <p>Digital Maps: Digital Map of administrative boundaries for display included in the DATOS kit</p>	
<p>National Telecommunications Commission (NTC) www.ntc.gov.ph</p>	<p>NTC is the agency that grants licenses for cell sites but site approval will be subject to the approval of the LGU for locational clearance and development permit. They only have the address for the cell site so it is recommended that data be captured by the LGU using GPS and research on the capacity of these sites thru the local carriers of these cell sites.</p> <p>Paper Maps: No paper maps available</p> <p>Digital Maps:</p>	<p>Central Office: Common Carrier and Authorization Department</p>



Agency	Information	Office to Visit/Tel. #
	No	
Philippine Atmospheric, Geophysical & Astronomical Services Administration (PAGASA) www.pagasa.dost.gov.ph	Climate Map (Whole Philippines) Flood Hazard Maps (8 LGUs) Strom Surge (4 Municipalities) Paper Maps: Climate Map: 1:250,000 Digital Maps: No	Climate Data Section
Philippine Institute of Volcanology and Seismology (PHIVOLCS) www.phivolcs.dost.gov.ph	Active Fault Lines, Volcanoes, Liquefaction (Regional Scale) Paper Maps: Varying depending on the area of concern Digital Maps: Available as jpeg images	Geology, Geophysics Research and Development Division
Protected Areas and Wildlife Bureau (PAWB) www.pawb.gov.ph	They hold the data for NIPAS and Proclaimed Protected Areas. A list for this is available in their websites. It would be best to inquire about the availability of maps before proceeding to PAWB. Mapping of these areas is done thru with the aid of	Biodiversity (PAWB) Protected Areas and Wildlife Services - DENR



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	<p>NAMRIA. Maps are loaned for reproduction by the requesting party.</p> <p>Paper Maps:</p> <p>Survey Plans:</p> <p>Varying depending on the area of concern</p> <p>Digital Maps:</p> <p>Regional Maps Images of protected areas with survey plans available in the web as jpeg</p>	Regional Offices
<p>National Transmission Corporation (TransCo)</p> <p>www.transco.ph</p>	<p>TRANSCO is a GOCC (Government Owned and Controlled Corporation). They are the ones responsible for setting up and maintenance of transmission lines (69 kV – 500 kV). They are in the process of developing a GIS system (Spatial Data Infrastructure Project) for their operation but for now the data they have are limited and inaccurate.</p> <p>They have digital data for transmission lines and substations but unlike the output of their Project, they are only indicative maps which means they are estimated lines where these transmission lines would pass.</p> <p>Paper Maps:</p>	



Agency	Information	Office to Visit/Tel. #
	No published paper map for public use	
	Digital Maps: Digital maps available for their internal use	