

**Compulsory Efficient Use of Land (CEUL) for Land Zoning can contrive the
rapid change of land use pattern: A Case Study of Charchartala Union,
Ashuganj, Brahmanbaria**

**A Dissertation
by
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MAGD Batch V
ID No-13372015**

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Declaration

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*Dedicated to my family who encouraged me to
carry on the research*

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List of Abbreviations

AEZ	-	Agro Ecological Zone
AO	-	Appointed Official
BBS	-	Bangladesh Bureau of Statistics
BS	-	Bangladesh Survey
CEGIS	-	Center for Environmental and Geographic Information Service
CL	-	Cultivable Land
CS	-	Civil Society
CS	-	Cadastral Survey
CEUL	-	Compulsory Efficient Use of Land
DLMD	-	District Land Management Department
DLSO	-	District Land Settlement Office
DLUM	-	Designed Land Use Manner
DGLR	-	Director General of Land Record
DS	-	Digital Survey
EO	-	Elected Official
FI	-	Fertilizer Industry
FGD	-	Focus Group Discussion
IMS	-	Information Management System
G	-	Graveyard
GIS		Geographic Information System
GTCL	-	Gas Transmission Company Limited
H	-	Homestead
HR	-	Human Right
IA	-	Impact Assessment
IE	-	Intelligences
LEA	-	Law Enforcement Agencies
KII	-	Key Informant's Information
KPI	-	Key Performance Indicator

LGED	-	Local Government and Engineering Department
MIS		Management Information System
NGO	-	Non-governmental organization
PPS	-	Plot to Plot survey
ROR	-	Record of Right
SM	-	Sairat Mohal
SA	-	State Acquisition
SFYP	-	Six Five Year Plan
SPARSO	-	Space Research & Remote Sensing Organization
SRDI	-	Soil Research Development Institute
DLMD	-	District Land Management Department
SNIB	-	Saiyad Nazrul Islam Bridge
TT	-	Think Tank
UAO	-	Upazila Agriculture Office
UFO	-	Upazila Fisheries Office
UA	-	Upazila Administration
ULO	-	Union Land Office
UP	-	Union Porishod
USO	-	Upazila Statistics Office
UNO	-	Upazila Nirbahi Officer

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Abstract

Bangladesh is one of the most densely populated country in the world. With the growing population, and their rising needs in diverse sectors, land use patterns are undergoing a quantitative and qualitative change in which the areas under the net cultivable land, water bodies and forest land is gradually shrinking. Besides, unplanned infrastructure development is devouring productive land. In Bangladesh, about 1% of agricultural land in each year is transferred to another use (SFYP, 2011). If this process continues, all of our agricultural land would diminish within 100 years (Tariquzzaman, 2009). This terrible situation is very crucial for an agro-based economy. The Ministry of Land formulated a National Land Use Policy in 2001 to ensure best possible use of land resources for sustainable development. The policy highlighted the need for carrying out a National Land Zoning Program for integrated planning and management of the country's land resources. Planned use of land according to Land Zoning Maps prepared on the basis of present and potential land uses will be ensured through enforcement of the provisions of relevant laws. The current research is an attempt to study the pattern of land use change and agricultural land transformation at Charchartala union in Asuganj Upazila, Brahmanbaria. The research also analyzed the land zoning process and established a logical approach for saving cultivable land, planned land use and systematic development. Compulsory Efficient Use of Land (CEUL) is the most accountable and feasible systematic approach for favorable land use and planned land zone in Bangladesh. CUEL is related to various quantitative and qualitative aspects of land resource. Holding different cartographic information, CUEL facilitates capturing, retrieval, and querying of information and provides tools to perform different analyses. Based on the primary and secondary data, this research is aimed at studying the synchronization and diachronization of land use pattern, and recommending feasible interventions and strategy of CUEL for creating an efficient and planned land use policy for Bangladesh.

Chapter -1

1.1 Introduction

Land is the father of wealth and labor is her mother (Barkat, 2007). It is resource and not commodity (Sinclair, 2002). As a wealth land is scarce, finite, immovable, productive and decisive in determining individual's economic status, social standing and political strength. It is not only providing support for economic development, poverty alleviation, food and social security but also ensure human settlement, environmental protection, peace, social harmony and social justice. All these are relevant in the case of Bangladesh, a densely populated and predominantly agrarian country. Consequently land management issues have received national attention. Land is more vulnerable natural resource and it is easily affected human factors. Land misuse and mismanagement can be derived from human factors in many ways, such, over population, unplanned use, over usages, unplanned habitation and unplanned cultivation. However, the present land use policy of Bangladesh cannot meet the growing demand and changing situation of land features. Improper land use policy and strategy is the cause for unplanned land use, and this eventually generates problems in the rural and urban life. Day by day, decreasing nature of cultivated land has been creating tension for Bangladeshi's people. The government of Bangladesh prepared National Land Use Policy (NLUP) in 2001. The NLUP highlights significance and modalities of land zoning for integrated planning and management of land resources of the country. It also focused on formulating a Zoning Law and Village Improvement Act for implementing land zoning (Land Use Policy 2001). Lack of effective implementation and competent management, the policy didn't see the sunlight for her beneficiaries. It is needless to say that the optimum and effective use of land is the country's priority to manage her resources (MOL, 2011). For this, it is a longstanding demand to establish a compatible land use system in this country with a holistic approach. Compatible and efficient use of land is inevitable for Bangladesh with the trends population, urbanization, industrialization and changes in climatic conditions. There are many approaches and ways are utilizing for land use efficiently. However, feasibility and affordability of approaches are the important aspects for choosing any approach. With these regard, Compulsory Efficient Use of Land (CEUL) is the most feasible systematic approach for developing adequate land use for

sustainable development of Bangladesh. This paper has focused on the issues that are involved in formulating a compatible land use policy for the planned and development of Bangladesh.

1.2 Identification of the problem

Though land is the sole property for livelihood and all types of development depends on these intangible resources, every day her contamination, destruction and reduction affect on character, structure, quality and capacity. Rapid population increase is the significant challenge of efficient and compatible use of land. In this country, 155 million people live in 147,750 sq. km (Ahmad, 2012) where the land-man ratio is 0.14 hectares and about 1% of agricultural land in each year is transferred to another use (Tariquzzaman, 2009). The per capita availability of land is declining and the loss of agricultural land is going on at the rate of about 1 percent per year (SFYP, 2011). The country is losing nearly 82,000 hectors of land in each year and 220 hectors every day. Population growth rate of the country is about 1.48 % while the rate of urbanization is nearly 7 percent per annum (Tariquzzaman, 2009). The cultivable land in 1983-84 was 20 million hectors and in 1997 it dropped to 17 million hectors (MOL, 2014). If it continues, per capita arable land will be reduced to below 6 decimal in 2050 and all of our agricultural land would diminish within 100 years (Tariquzzaman, 2009). This terrible situation is very crucial for an agro-based economy like Bangladesh. If such uncontrolled intervention rate continues, it would be very difficult to save the agricultural land of the country.

1.3 Scope of the research

Integrated and ecology-oriented sustainable land zoning is indispensable for overpopulate Bangladesh (Ibrahim, 2004). Considering the limitation and potentiality, the best possible options for optimum and sustainable land use is the demand of time. The study analyzed some anthropogenic current activities on land specially the role of demographic features, occupation, industrial activities, commercial activities, settlement, urbanization, transportation and exploitation of natural resources. Likewise, the trend of decreasing nature and degradation of agriculture land due to unplanned and uncontrolled use explored from the research. Furthermore, the comparative analysis of land use pattern had discussed for a long period of time. Besides, the study analyzed the land zoning process that was undertaken by the government. Lastly, the study

discovered a new framework for compulsory efficient land use for sustainable development of Bangladesh.

1.4 Significance of the research

Nowadays, land resources are used for multi-purpose which has strong influences on the socio-economic development of Bangladesh. Human interventions on land resources are potential challenges for efficient and compatible use of land (Mia, 2004). On the one hand, unplanned interruptions are decreasing the proportion of land resources conservation and management. On the other hand, the demands of resources for population are increasing gradually. Thus, this study aims to explore different factors affecting scarce land over a period of time. More elaborately, it seeks to analyze current land use trends in the rural areas of Bangladesh and identifies significance and in-depth analysis of land zoning process for sustainable use of these scarce resources. It would come with notable policy guideline deriving from the findings of the study in time of policy formulation.

1.5 Objective of the study

The objectives of the research are

- To explore the features of changing rural land use and agricultural land transformation
- To determine factors causing improper land use and its socio, economic, demographic, and environmental impact on land topography and livelihood.
- To analyze the land zoning activities in consideration with field survey.
- To implement of compulsory efficient use of land (CEUL) system for ensuring sustainable land management.

1.6 Research question

1. What are the features of changing land use pattern in rural agricultural land?
2. What are the roots causes for inappropriate use of land?
3. How does improper land use decrease the trend of agricultural land and impact on other land?
4. Do the activities of land zoning process perform holistically?

5. How the compulsory efficient use of land (CEUL) system can ensure the sustainable management of land?

1.7 Methodological Aspects

On the basis of the nature of problem, the study would mostly apply qualitative approaches, methods and techniques. However, a limited secondary quantitative data would be referred. Since it is a combination of analytical and descriptive study, it is equally relied on secondary and primary sources of data. Mainly, journal articles, research reports of governments and international agencies have been consulted. On the other side, primary data sources are derived directly from field work. Moreover, a good number of approaches, techniques and methods have been utilised. A details description has been given separately in the Chapter -3.

1.8 Structure of the Research

In order to present the research findings systematically, the thesis has been arranged in the following structure. **Chapter 1: Introduction** started with a backdrop – basically a preamble of the study. Gradually arguments presented on significance the study. Basis of the arguments, research questions have been framed and discussed significance of the research question. A brief discussion has given on methodological context, scope and limitations. Finally, through this section, has been drawn the structure of the thesis. **Chapter 2: Literature Review** analysed theories and concepts land use planning and land zoning process. **Chapter 3: Research Methods and the Fieldwork** presented approaches of the research methods; fieldwork and application of research methods. Besides, it has briefly discussed limitation of the fieldwork. **Chapter 4: An Overview of Study area** has been discussed here in order to give a better understanding about the field location and nature of anthropometrics socio-economic dynamism. **Chapter 5: Legal Framework** discussed the different policies of the government that highlighted the consequence of land use and zoning for integrated planning of resource management of the country. **Chapter -6: Findings and Analysis** explored the dynamics of land use pattern over a period of half century of the study area and identified gaps between land zoning process and survey through logical analysis. **Chapter 7: Conceptual Framework** provided a new guideline (Compulsory Efficient Use of Land (CEUL) model) on multipurpose land zoning system through efficient use by utilizing systematic tools, techniques, information,

technology and finally governance. **Chapter 8: Recommendations and conclusion** provided suggestions and a brief review on the overall discussion. According the given structure of the thesis, the following chapter would discuss literature review.

Chapter 2: Review of Literature

Land is the basic natural resource that provides habitat and sustenance for living organisms, as well as being a major focus of economic and livelihood activities (Islam, 2005). It is intensively used for agriculture, settlements, forests, shrimp ghers, water bodies and fisheries, salt production, industrial and infra-structural developments and tourism. The lands are important ecologically, as they provide a number of environmental goods and services to people (Islam, 2005).

2.1 Land policy towards community goals

Land policy is a means to achieve political ends (equity), economic ends (efficiency) and environmental ends (sustainability) (UNHABITAT, 2010). Land use planning refers to the way we plan the physical layout of communities and is an essential component of a community's long-term resilience (Niki, 2014). It encompasses both the built and natural environment by shaping where development occurs and identifying areas for preservation. The key components of land use planning include comprehensive planning and zoning regulation (Niki, 2014). The plans will generally include the community's goals and objectives along with its principles and policies. Land zoning prescribes where, what, and how development occurs on the land (Niki, 2014). Land use regulation serves a broad array of additional social and economic goals that include (1) protecting property values, (2) preserving the character of neighborhoods, (3) preventing environmental degradation, (4) enhancing the property tax base, and (5) encouraging tourism and other economic development (Sprankling, 2012).

2.2 Zoning for planned use of land

Zones are used as a way of grouping areas with similar characteristics together, integrating mutually beneficial uses, separating incompatible uses and setting outcomes for the area through policy (Commission's, 2011). Zoning entails designing various parcels of land for certain uses: commercial, residential, industrial, utilities, transport, recreation, bodies of water, flood plains and wildlife preserves (Chetty, 1998). This is an aspect of sustainable planning which is primarily concerned with certain guidelines, restrictions or limitations on the use of land (Chetty, 1998). Zoning is a means to an end that restricts the rights of private landowners in order to promote the health, safety, and welfare of the general public (Sprankling, 2012). The pioneers of zoning reasoned that the evils of rural and urban life can be overcome through

comprehensive land use regulation (Sprankling, 2012). Zoning divides the area into smaller units based on distribution of soil, land surface and climate (FAO, 1996). Zoning is an innovative idea for placing restrictions on the use of the land and natural resources by way of statute. Zoning is the use of governmental responsibility to regulate land use in a systematic way. Zoning laws divide a jurisdiction into separate geographic areas and impose limits on the permissible uses of land within each area (Massey, 2006). Zoning is characterized by the segregation of land uses into specified geographic areas and dimensional standards stipulating limitations on the magnitude of development activity that is allowed to take place on lots within each type of areas (Islam, 2005).

2.3 Objectives of zoning

The basic purpose of zoning is to control land use and to delineate on the land and water bodies what are considered to be their non compatible uses (Kling, 2006). This means establishment and mapping of land-use classifications or zones.

The specific objective of zoning is to specify which types of land use are considered appropriate for different 'zones', and it therefore indicates the planning control objectives of the authority for its administrative area. The authority is obliged under the planning acts to designate in its development plan objectives for the use solely and primarily of particular areas for particular purposes (DAP, 2005).

2.4 Legitimacy of Zoning

Legitimately zonings guarantee:

- (1) To prevent incompatible uses of land from unplanned use.
- (2) To increase property values generally by minimizing conflicts and
- (3) To channel development into patterns that may serve larger social goals (Massey, 2006).

2.5 Importance of Zoning

Competition for diverse uses of land resources, huge increase of population, devastation of natural and man-made hazards, economic opportunities and ecological hot spots call for distinctive zone management arrangements through the development of land use zoning (MOL, 2014). Zoning is essential because of facilitating the planned and systematic utilization of land

and ensuring the stipulated use of land to ensure maximum utilization of land and stop misuse of land (Barkat, 2007).

2.6 Key issues of Land Zoning

Urban and rural areas

- Agriculture, horticulture, fisheries, livestock, mineral resources
- Housing, settlement and homestead
- Forestry (agro, homestead & community), tree plantation, garden, conservation, wild life
- Waterbodies and water resources, flood control embankments, Fishermen
- Roads and highways, railways
- KPI, administrative unite, public and private institutions
- Industrialization, commercialization,
- Coastal areas, charland, hill (DAP, 2005).

2.7 Land use Classification

- Urban Residential Zone
- Commercial Zone (Business)
- Commercial Zone (Office)
- General Industrial Zone
- Heavy Industrial Zone
- Mixed Use Zone (Commercial-General Industrial)
- Mixed Use Zone (Residential-Commercial)
- Mixed Use Zone (Residential-Commercial-General Industrial)
- Mixed Use Zone (Residential-General Industrial)
- Institutional Zone
- Administrative Zone
- Agricultural Zone
- Flood Flow Zone
- Open Space
- Overlay Zone

- Rural Settlement Zone
- Water Retention Area
- Water Body (DAP, 2005).

2.8 Criteria for different land zoning

For the identification of different land zones, some basic criteria are required to analyze for showing their suitability for best uses in different fields (LZR, 2011). The suitability is the aptitude of a given type of land to support a defined use (IAO, 2014). Different zones are established as per their criteria, physio-chemical characteristics and agreed approaches and also people's perception on land use and proposed land zoning (LZR, 2011).

2.9 Land analysis for zoning

To assess land zoning, analyzing of (i) land type, (ii) land capability and (iii) crop suitability is very important.

2.9.1 Land Type

Land type is the dominant factor guiding choice of crops and cropping patterns in Bangladesh's characteristic agro-ecological situations (SRDI, 1989). Selection of cropping pattern largely depends on the topographic position of land in relation to rainy season inundation depth and its duration (SRDI, 1989). Bangladesh Soil Research and Development Institute (SRDI) identified different types of land like Highland (H) for Non Flooded, Medium Highland up to 90 cm from, Medium Low land 90-180 cm, Low land 180 –275 cm and Very Low land > 275 cm.

2.9.2 Land capability

Land capability is a qualitative methodology to classify land resources based on soil, topography and climate parameters without taking into account the yield and social economic conditions (IAO, 2014) Land capability class and sub-class is the package built on the interactions of soil properties and environmental factors with the output, providing an indication of different degrees of potentiality of land for the sustained production of common agricultural crops in a year (SRDI, 1989). According to the capability lands are classified into: (i) very good agricultural land, (ii) good agricultural land, (iii) moderate agricultural land, (iv) poor agricultural land and (v) very poor or non-agricultural land.

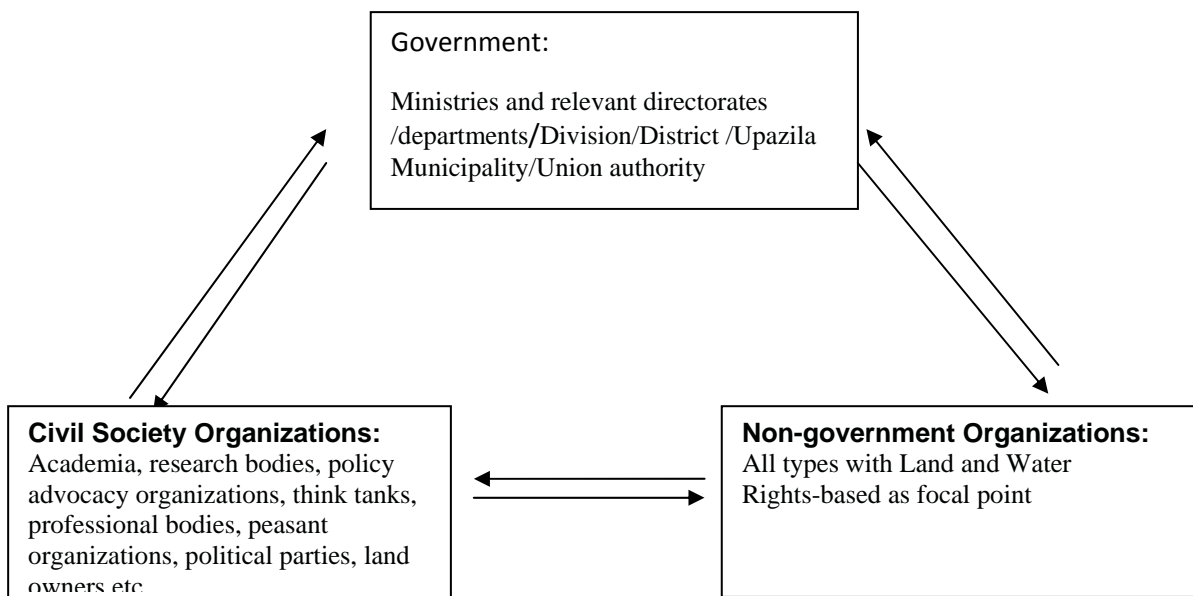
2.9.3 Land suitability

The suitability of a given piece of land is its natural ability to support a specific purpose (IAO, 2014). Crop suitability classes this technology, unlike land capability classes provides a basis for determining the degree of prospects and limitations of the soil within an area for growing a specific crop species or variety in a specific season (SRDI, 1989). Key factors related to crop production, such as depth and duration of rainy season, inundation of land, length of period for which the soil can supply optimum quantity of plant available moisture during the dry season, natural fertility status of soil were given special consideration besides climatic and other factors, in the crop suitability assessment. In fact, the crop suitability package is the resultant of the interactions of as many as eleven important soil factors together with the moisture and thermal regimes of the climatic factor (SRDI, 1989). According to the FAO methodology (1976), land suitability is strongly related to the "land qualities" such as erosion resistance, water availability, and flood hazard that are not measurable. Five suitability classes of land are recognized, depending upon the yield of the crop grown and they are as follows: (i) very suitable, (ii) suitable, (iii) moderately suitable, (iv) marginally suitable and (v) not suitable.

2.10 Stakeholder's involvement in zoning process

The whole exercise of land zoning – due to its long-term sustainable development implications and complexity – should involve active participation of all relevant stakeholders (Barkat, 2007) as shown in the figure below:

Figure-2.2: Stakeholders to be involved in land zoning



Zoning is practiced as the principal method for controlling the development of land. It is a system where land is designated for a principal use and uses that are considered not to be suitable or compatible with the principal use are prohibited. There is also the ability to require certain uses to submit an application for use of the land, which is then assessed having regard to a set of published assessment criteria (Sinclair, 2002)

2.11 Multidimensional aspect of zoning

Zoning belongs to several dimensional aspects. **Traditional zoning** divides a municipality into various zones and designates at least one as-of-right use – such as residential. More recent approaches to zoning employ mixed uses within a zone, which allows for a more diverse landscape within a geographic area (Niki, 2014). Cumulative zoning, mutually exclusive zoning, density zoning and cluster zoning may have different character whether **cumulative zoning** identifies land use in a spectrum from higher to lower, mutually exclusive zoning permits some uses and excludes all others within the zoned, **mutually exclusive** zoning is most often used with respect to industrial or heavy commercial areas, density zoning control the density of occupation within any given use area and cluster zoning is to zone a particular area for a particular use at a specified level of density of occupation (Massey, 2006). Based on planning and proper maintenance of resources of an area zoning can classify into three perspectives (Hagerty, 1995) that are **Euclidean zoning** that is used extensively in small towns and large cities alike. Euclidean zone characterized by the segregation of land uses into specified geographic districts and dimensional standards stipulating limitations on the magnitude of development activity. Typical types of land-use districts in Euclidean zoning are: residential (single-family), residential (multi-family), commercial, and industrial (Hagerty, 1995). **Performance Zoning** is a goal-oriented criterion to establish review parameters for proposed development projects in any area of a area. Often uses a points-based system whereby a property developer can apply credits toward meeting established zoning goals through selecting from a menu of compliance options (some examples include: mitigation of environmental impacts, providing public amenities, building affordable housing units, etc.) (Hagerty, 1995). **Incentive Zoning** intends to provide a reward-based system to encourage development that meets established urban development goals. Typically, a base level of prescriptive limitations on development will be established and an extensive list of incentive criteria will be established for developers to adopt or not at their discretion. A reward scale connected to the incentive criteria provides an enticement for

developers to incorporate the desired development criteria into their projects (Hagerty, 1995). Zoning can be considered from three broad perspectives (Mutsaers, 2004) that are **descriptive zoning** that is presenting the factual information in a geographic form by mapping the actual situation in respect of some feature or combination of features, like the occurrence of current land uses, population densities etc. **Analytical or predictive zoning** defines land classes by combinations of physical parameters, expecting that they will predict or explain an important phenomenon like crop yield or land suitability (Mutsaers, 2004).

2.12 Zoning and governance

Zoning is a form of legal power which is delegated to development authorities through enabling legislation to ensure the welfare of the community by regulating the most appropriate use of the land (DAP, 2005). Zoning is a method of regulation carried out by local governments to control the types of physical structures that can be built in various jurisdictions of a county, as well as what type of use land may be put toward within those certain jurisdictions by classification (Fischel, 1999). Zoning divides a jurisdiction into geographically contiguous ‘zones’ and allows municipalities to shape their residential environments (Fischel, 1999). Zoning is a collective property right that is used by the local authority to maximize the net worth of those in control of the political apparatus (Nelson, 1977). Zoning implies the authority to classify land and waterbodies according to its suitability, and to enforce the classification of permitted uses. Zoning in cities has dealt largely with the suitability of some lands for development, thus restricting industrial, commercial, or other development to those lands, and prohibiting it elsewhere. Rural zoning seeks to prevent farm settlement where such settlement would create unwarranted burdens for schools, roads, and local administration and would, moreover, interfere with the best use of the region as a whole, such as for forestry and recreation (Barkat, 2007). Urban economists have sometimes attempted to model zoning as a single-valued constraint, such as minimum lot size. Such exercises can often be useful in working out implications of land-use constraints in an urban economics model (Rubinfeld, 1978).

2.13 Zoning controlled abuse of land

Zoning ensures the control of abuses of uncontrolled private development, launch the faith in scientific planning and administrative control and make the division of geographical areas into segment with regulation within each portion. It is most often used for properly maintenance of bio-diversity in the area, research and for planning purposes (Islam, 2005). The division of land

into homogeneous areas and their ranking according to degrees of actual or potential landslide susceptibility hazard or risk (AGS, 2007).

2.14 Zoning as development tools

The zoning will first and for all be a tool for government in stimulating, facilitating and regulating social, economic and environmental development, taking into account the interests of different groups of stakeholders and socio-economic and environmental potentials and vulnerabilities (Islam, 2005). It should allow to make informed choices for investment in human and physical resources and impose protective regulations where needed (Islam, 2005). Zoning, as a tool for area development is an ambitious goal, which can only be attained through different development stages (Islam, 2005). Zoning is not simply a rhetorical expression of a community's desires; it describes the public policies that a local government actually intends to carry out (Mandelker, 1976). The zoning plan is to be grounded in separate technical reports that documented its rationale with quantitative and qualitative analyses of community growth and current and future land use relationships, preferably taking into account the impact of proposals for future public improvements (Mandelker, 1976). Government zoning is thought of as either an important tool that local government use to control the pattern of land use or as an irrelevant exercise that merely conforms to market outcomes rather than modifying them. It is possible that government zoning might have radically different allocative effects in different communities (Asabere, 1979).

2.15 Zoning as comprehensive plan

Zoning must be consistent with an independently adopted and basis of local comprehensive plan that occupies state legislators, judges, professional planners, and attorneys (Mandelker, 1976). The comprehensive plan should include issues and opportunities, housing, transportation, utilities and community facilities agricultural, natural, and cultural resources, economic development; intergovernmental cooperation, land use, and implementation (OSPG, 1995). The framers of the zoning plan must make numerous assumptions regarding the future of the area in respect to all of these matters without the benefit of detailed information and study (Mandelker, 1976). Two fundamental considerations would need evaluation in the formulation of the zoning plan; (1) how much area is needed for each broad type of use and how shall it be

arranged or balanced in any given community? (2) What regulations are needed in the several use districts to afford good relations between individual structures? (Bassett, 1922).

2.16 Zoning and externalities

Zoning may not only increase efficiency by separating incompatible land uses and reducing the flow of negative externalities, it creates inefficiency by distorting the supply of land to the various uses (Colwell, 2011). Zoning priority depends on distance, location, land value, business of areas, economic activities. For inclusion, zoning can be explained from hierarchical and government perspective. Cumulative zoning or progressively inclusive zoning operates by allocating a zone to a particular land use or any higher use in the governmentally defined hierarchy (Colwell, 2011). The rationale for hierarchical zoning suggests that it restricts the flow of negative externalities from lower to higher land uses in the hierarchy. If this is the only effect of governmental zoning, the value of the highest uses in the hierarchy would be raised as a result of the protection provided by the zoning ordinance (i.e., *ceteris paribus*). That is, those who desire to use land for residential purposes, usually the highest use in the hierarchy, are able to choose from land in any zone, but would be willing to pay more for land in the protected residential zone, holding location and other factors constant (Colwell, 2011). On the other hand, governmental zoning may be put to other purposes. Special interests in and out of government may be able to shape governmental zoning to serve their own ends (Colwell, 2011). Governmental zoning has its impact on urban land values primarily through supply rather than externality effects. Local government may engage in fiscal zoning in order to directly protect its purse and indirectly beggar neighboring governments (Fischel, 2000). Communities use zoning rules for including to prevent externalities that might arise from overcrowding or congestion; to affect the distribution of the cost of public services; to exclude certain groups or types of housing ; and to prevent development and preserve undeveloped land uses such as farming, typically by setting restrictions (Fischel, 2000). Zoning has also negative effect (Gardner, 2001). If minimum zoning requirements are set too high, they can stifle the organic, iterative process that causes development to gradually intensify and land values to raise high enough to support gradual densification. Therefore, it can also have unintended side-effects if not thought through carefully (Gardner, 2001).

2.17 Zoning address market failure

The economics behind zoning is to address and control market failures such as spillover effects of unwanted uses, natural monopolies, equity and distribution and growth management in the various jurisdictions of a city (O'Sullivan, 1995). Exposed that zoning manage growth and control negative externalities.

Thus zoning produces a top-down approach to development, often characterized by monolithic uses, but the absence of zoning can produce a crazy quilt of shifting uses, responding to discrete economic events that may lack any pattern (Massey, 2006).

Chapter-3: The Research Methods and Fieldwork

3.1 Introduction

Suitable methods, techniques, and tools are important to achieve objectives of any research. These provide a basic framework for collecting, analysing and presenting of any study findings and data. Based on the nature of the study, the research applied a number of methods, tools and analytical approaches for a deeper understanding of the stakeholders' attitudes, action, knowledge, perceptions and response towards the problems, issues and dimensions of land use system and zoning process of Bangladesh. The study is mainly based upon qualitative methods like direct observation, plot to plot survey, focus group discussion, key informant interview, life history and open ended discussions. Further, the study is the combination of primary and secondary data. This chapter briefly discussed reasons for selecting the field, the approaches, methods, tools and techniques of data collection what have been applied in the study.

3.2 Selection of the Field

For three purposes, the research area has selected as Asuganj Upazila in Brahmanbaria district. Firstly, in terms of land use pattern, the area was radically changed over five decades. Secondly, land zoning activities completed in this Upazila. So it would favor researcher to work in a congenial atmosphere. Thirdly, it is essential to understand mass people's perception on land zoning that can be traced out through the research.

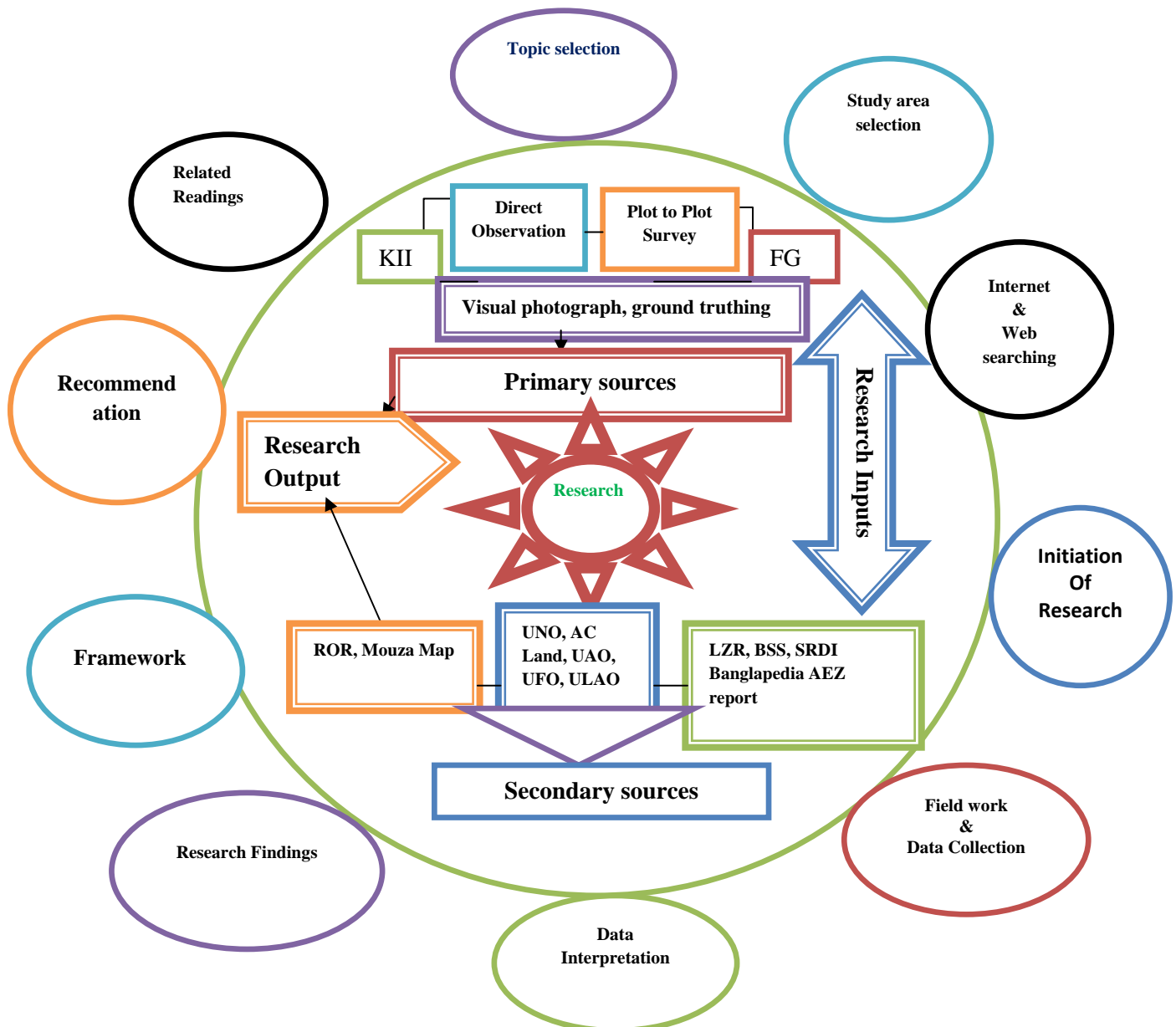
3.3 Research Methods

3.3.1 Detailed Observation and Rapport Building

Here, the researcher attempted to build up rapport with the study areas through gossiping, exchanging greetings, general discussions etc. At the same time wide observation has made to gain an overall idea about the physiography of the area. For understanding reality from the ground, direct observation touched every spare to explore the data and biography of the study area. Direct observation contributed to the development of the case study and provided an opportunity for researchers to observe directly what is happening in present land setting, interact with local stakeholders, and site visits. It provided insight into the taken-for-granted aspects of every aspects that may go unreported by local stakeholders-land owners-zoning personals, gives

the researcher direct experience of the phenomena being studied, and created an opportunity to see and hear what is happening in the real setting rather than focusing solely on narrative descriptions of local people. The study area is covered one union one mouza. The direct observation filled up the gap between theoretical conception, published record like zoning map, ZIS map, and mouza map and present study. First hand data been gathered from the observation built the overall idea for structuring and designing the research.

Figure-1: Research Design



Source: Developed by Author, 2014

3.3.2 Key informant's interview (KII)

A few of in-depth or detailed interviews have conducted with the key informant which helps to design of applying other methods. Usually, they have been selected various processes like knowledge on the subject matter, experiences and availability. Personnel's of land administration, officials of land zoning project and local stakeholder have interviewed for collecting multifarious-in-depth knowledge and unveil information on land use planning and zoning (appendix-7). Intentionally, the interviews have designed in semi structured manner because it gives more opportunity of listening from the interviewees. Reflective, interpretative and decisional questions related to land use planning and zoning were discussed with key informants.

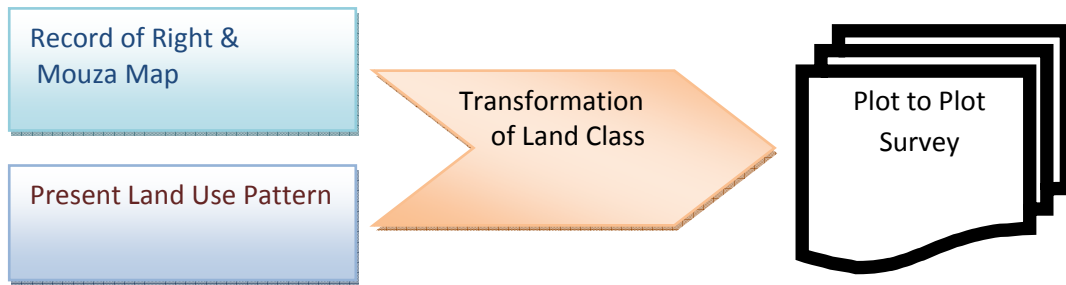
3.3.3 Focus group discussion (FGD)

During the fieldwork, focus group discussion (FGD) was conducted to collect as well as validate data. The participants were selected through multistage cluster sampling. Focus group discussion (FGD) was conducted with local stakeholders of the study area with a group of 18 people for a two hour long. Moreover, Researcher listened to land zoning and land use pattern from the local people how cultivated land has become a threat for their unplanned intervention. Various issues acknowledged from their perceptions, opinions, beliefs, and attitudes towards land use, zoning and socio-economic aspects of the study area (appendix-6). Some important concepts related with land use and zoning were supplied in an interactive group setting where participants were free to talk with their group members.

3.3.4 Plot to plot survey

Plot to plot survey was the basis of Bangladesh survey (BS). By using mouza maps and record of right (ROR), the plot to plot survey compared the present land use pattern. The research went throughout the existing land plot and traced out their present use. After that the study compared with the BS mouza map and ROR and figured out the transformed nature of land plot over time.

Figure: The structure of Plot to Plot Survey



Source: Developed by Author, 2014

Plot to plot field survey carried out for measuring individual land plot structure, size, types, use, changing pattern, degradation and development by which researcher gathered ethno-physiographic features of land pattern of the study area. Plot to plot survey also shaped the information of present and past land use pattern and dynamics of the study area.

3.3.5 Consultation and review of previous documents

A number of relevant literatures, working paper and policies were reviewed for the study. Some policy documents were consulted such as the state acquisition and tenancy act (SA&T Act) 1950, national land use policy (NLUP) 2001, sixth five year plan (2011-2015), perspective plan of Bangladesh (2010-2021), coastal land zoning policy 2005, **the territorial water and maritime zones act 1974**, the national water policy 1999, national agriculture policy (NAP) 1999, national fisheries policy 1998, shrimp strategy 2004, national forest policy 1994, the national sustainable development strategy, national food policy (NFP). These have helped make a comprehensive literature review of land related works done in the past in Bangladesh. Secondary data was collected from Land Zoning Project Office, Brahmanbaria settlement office, Upazila Nirbahi Office, Fisheries Office, Agriculture Office, Upazila land office, union land office, union council, soil research development institute (SRDI) and some other different sources.

3.4 Limitation of the research

Regarding land zoning and changing pattern of land use over time, no qualitative case study has undertaken to explore the real scenario of Bangladesh. As a result, author couldn't get any support from other study to carry out the research smoothly. To conduct such a qualitative case study, the time limit was insufficient and it was not easy to conduct field work for exploring the holistic view of the research area. The secondary data and information, that made the author enriched of knowledge and influenced to search new thing for idea generation, was not sufficient in Upazila level and for that researcher had to go to other different institutions and organizations beyond of Upazila. To carry out the research, record of right (ROR) was important but due to civil case filed against land management department of Brahmanbaria the RS record was not supplied to the Upazila and district land management department. As a result, the author had to go to settlement department to collect said document. On the other hand SA record was not clear to support the study. Most of the record of SA operation was destroyed and dusted for mismanagement of office record room. Likewise, all CS, SA and BS mouza was not preserved for official work in the land administration and management department and for that the researcher had to collect a number of mouza maps from settlement office and director general of land record office. Furthermore, the information for the research was not available in the Upazila and district and for that the researcher used to collect from other sources like SRDI, BSS, MOL etc. Likely, the manual data input process took a long time that hampers the researcher to design the report within the designated time. The research was so technical and for that researcher had to learn much technical knowledge to face challenges. The resource crisis was not made resistance to execute research while the enthusiastic and courageous attitude for new exploration influenced the author to carry on the research.

3.5 Conclusion

Since the process of land management and settlement and pattern of land class transformation in the context of the study area is very complicated, the study has employed a good number of approaches, research methods, tools and techniques to capture the scenario from the holistic perspective. In order to give a better understanding of of the study, the research provided the phases of fieldwork and data collection procedure. Let us have a look the study locale and institutions in the following chapter.

Chapter 4: An overview of study area

4.1 Introduction

Char Chartala Union is located in between 23°51' and 24°06' north latitudes and 90°53' and 91°19' east longitudes (Banglapedia, 2014). The total area of the union is 3586.42 acre (appendix-2) (Survey, 1995). The union has 09 wards. It also consists of a large village which is covered with one big mouza. It is said that the area alleviated (Bengali char) from the river Meghna with four parts and shaped a large land plate and for this the area named as Charchartala (UP, 2014). It is bounded by Bhairab Upazila of Kishoreganj district on the north, Nabinagar Upazila on the south, Lalpur, Arshadia and Asuganj union of Asuganj Upazila on the east and Vhairab Upazila of Kishoreganj district and Raipura Upazila of Narshingdi district on the west. Besides, the Meghna River flows on the south, north and west side in between other bounded Upazila and only east side belongs land boundary. For the tri-portion boundaries of river, the union can be called the daughter of the river Meghna. It is a notable river port and industrial area of Brahmanbaria District.

4.2 Climate

The climate of the area is dominated by the influence of the Himalayan mountain ranges and the monsoonal systems in the Bay of Bengal (AFSCL, 2011). The climate is sub-tropical with summer, monsoon and winter seasons. Rainfall is monsoonal, inter-monsoonal or cyclonic in origin. The maximum annual rainfall in the area as recorded was 4127mm in the year 1952 and minimum yearly rainfall is 1439mm in year 1989 with peak rainfalls occurring in July and August (AFSCL, 2011). Furthermore, from mid November to February is the coolest and driest period; April to May is the hottest period with periodic heavy thunderstorms: June to mid September is the most rainy and humid period and mid September to early November is a transitional period with decreasing rainfall, often with association of thunder but with relatively high temperature and humidity (AFSCL, 2011).

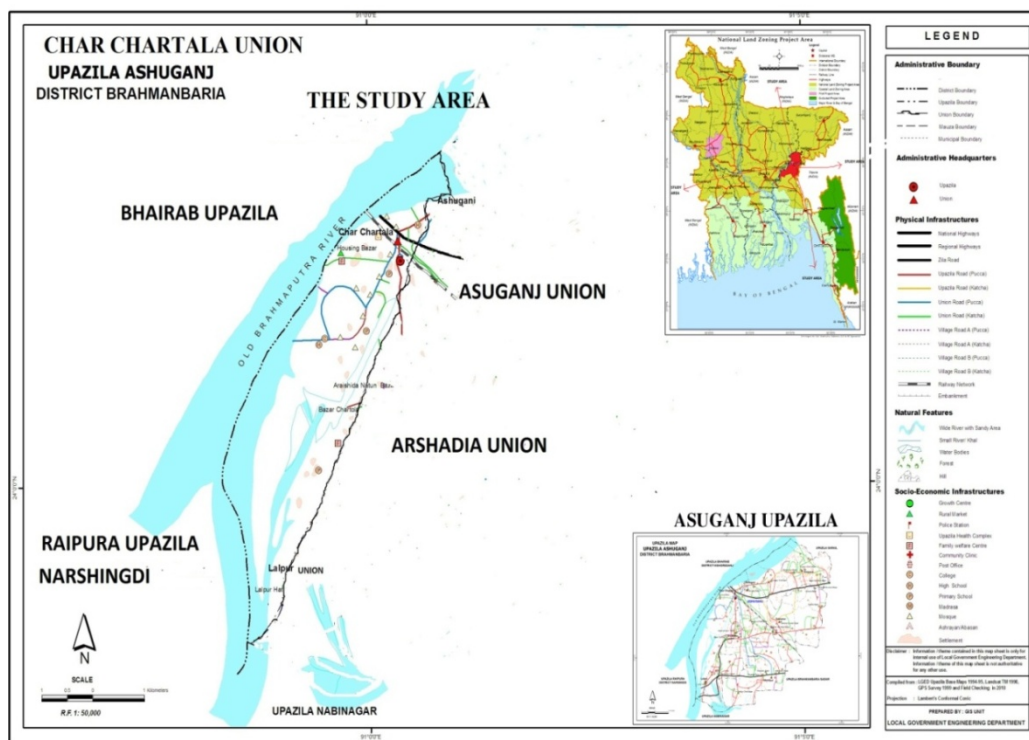
Table 1.1: Brief of charchartala union

S.L	Name	Number	S.L	Name	Number
1	Village	01	39	Sanitation	100%
2	Mouza	01	40	Tube-well	2580
3	Population	23555	41	Deep Tube-well	1800
4	Voter	13485	42	Government Office	03
5	Literacy rate	56.35%	43	Sairat Mohal	01
6	College	01	44	Trade Union	05
7	High School	02	45	Trade Union Welfare center	01
8	Primary School	02	46	Chamber	01
9	Alim Madrasa	01	47	Government Bank	03
10	Hafizia Madrasa	03	48	Private Bank	11
11	Kinder Garden	07	49	NGO	08
12	Government Hospital	01	50	Holding	2294
13	Private Hospital	01	51	Post Office	01
14	Health&family welfare center	01	52	Telephone Exchange	01
15	MBBS Doctor	04	53	Petrol pump	01
16	Village Doctor	11	54	Cinema Hall	02
17	Pharmacy	16	55	Press Club	01
18	Homoeo Doctor	02	56	Newspaper Office	01
19	Heavy Industry	04	57	Biscuit factory	04
20	Medium size industry	10	58	VDP Camp	03
21	Small size industry	15	59	Agriculture Block	01
22	Railway	03	60	Pond	08
23	Bus road	01	61	Cannel	01
24			62	Bazar	01
25	River path	05	63	Helipad	01
26	Bridge	05	64	Launce terminal	01

27	Rail station	01	65	Boat terminal	02
28	Bus stand	02	66	Police Furry	02
29	Carpeting road	05 km	67	Fire service	01
30	Village road	2.5 km	68	Rice mill	32
31	Tempo stand	01	69	Fertilizer Industry	01
32	Rickshaw stand	04	70	Silo	01
33	Truck stand	02	71	GTCL	02
34	East part of Vairob Bridge	01	72	Abdul Halim Rail Bridge	01
35	Mosque	14	73	Proposed Land Port	01
36	Graveyard	05	74	Power Plant	02
37	Mazar	02			
38	Eid gah	05			

Sources: The author compiled from different sources, 2014

Map 3.1: Map of Charchartala union



4.3 Land type

The soil of Charchartala typically is non-calcareous dark grey floodplain soils (FAO-UNDP, 1988). The geology of the study area consists of Quaternary Deltaic sediments, which have been strongly influenced by tectonic movements on deep-seated faults. The area lies on a tectonic block, which has been uplifted relative to the surrounding areas. The soil profile of the study area consists of about 12m thick clay deposit followed by sand, clay and progressively coarser sand as depth increases (AFSCL, 2011). The Char Chartala union comprises four types of land which are High Land (HL), Medium High Land (MHL), Medium Low Land (MLL) and Low Land (LL) (LZR, 2011). Medium Low Land is the dominant factor which covered 60% of areas whereas Low Land enclosed 30% of areas and rest of two types of land covered average 5% of areas (LZR, 2011). Most of the areas of low land and medium low land are to be covered with open water during rainy season. The flood plain areas are covered by fertile loam and clay with seasonal moving water of the river Meghna. The low lands to medium low land having fertile soil are used for agriculture during dry season. During rainy season the area is fully inundated. The following areas are covered with flood water during rainy season. Seasonal inundation does not permit to grow crops and no crops produce in this period.

4.4 Land capability

The land of Charchartala is suitable and potential for crops productions. Triple to single pattern of crops are produced in a year on these land due to presence of top soil quality and yearly siltation flowing by the River Meghna. Besides, internal and external soil properties like temperature, moisture, aeration, fertility, depth, texture, toxicity, tilth, topography, depth of flooding, accessibility and trafficability are in favor of agriculture production. At the same time, the soil is more related to agriculture potentials. In other words, due to environmental degradation, unplanned housing settlement, urban sprawl, industrial expansion reduce the potentiality of agriculture production which is resulting moderately suitable that means limitations of utilization of crop land for sustained application for growth of agriculture product. Furthermore, seasonal inundation, flood, draughts, drainage, land disturbance, erosion, and human intervention reduce the quantity of agriculture products of this area.

Table 1.3: Some basic criteria for different land zones

Criteria	Agriculture	Forest	Fisheries	Urban/Industry	Roads/Highways	Tourism
Land Type	HL to LL	HL	MHL to VLL	HL (less fertile soil)	HL to MHL	HL with well communication
Drainage	Pd to Impd	Mwd to Wd	Pd	WD to Mwd	Wd	Wd
Surface Water Recession	Early to late	Early	Late	Early to very late	Early to normal	Early to very early
Texture	Silt loam to Clay	SL to Clay	SL to Clay	SL to Silt Clay	SL to Silt Clay	SL to Silt Clay
Relief	Level (plain)	NA	NA	Level (plain)	Level (plain)	Level of undulating (raising and falling)
Salinity	0-4	Very low	<2	n/a	n/a	n/a
pH	5.5-8.5	3.0-7.5	-	-	-	-
Buffering limit	-	-	-	-	1 km both side	-

Source: Land Zoning Report: Asuganj Upazila, 2011

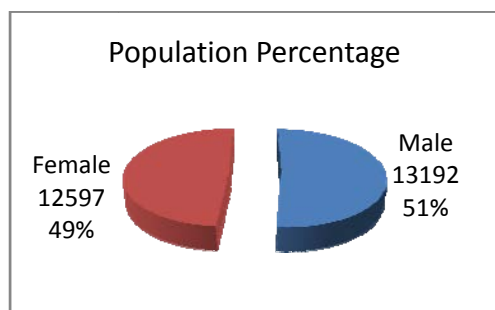
4.5 Land suitability

The study area belongs to a semi arid region characterized by temporal drought. The irrigation to be adopted during the dry season and rainfall and flood occurs during rainy season. Land is moderately suitable on account of having minor limitations to the given type of use. The land is decreasing her erosion resistance capacity by dint of continuously degradation from industrial chemicals. The flowing natural water of the Meghna River is contaminating by the waste and chemical of industries.

4.6 Population

According to Bangladesh Population & Housing Census 2011, total 25,789 people live in the Charchartala union of which male 13,192 and female 12,597.

Table 1.2: Population of charchartala union



Year	Total population	Male	Female	% of Yearly Increasing Rate
2001	23555	12500	11055	0.95%
2011	25789	13192	12597	

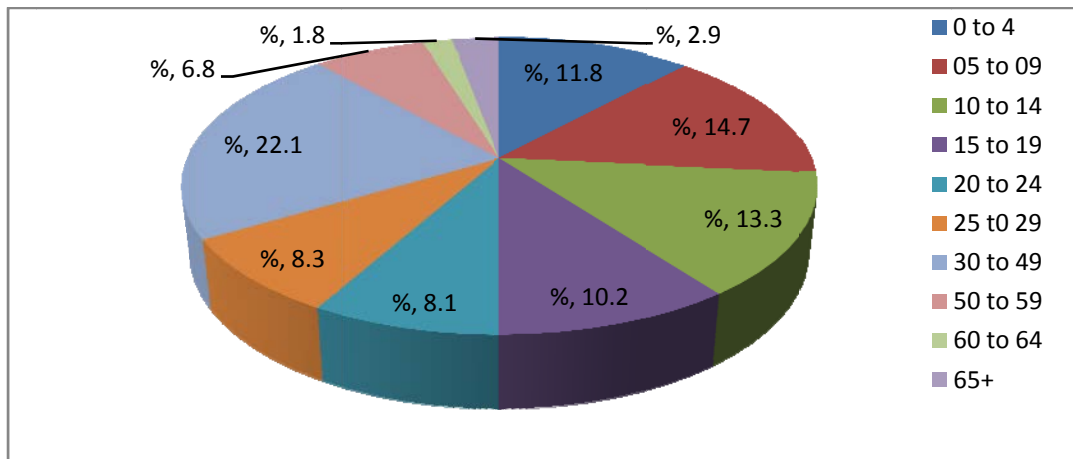
Source: Bangladesh Population & Housing Census 2011

In 2001, total population was 23,555 of which male female ratio was 106.13:93.87. Over a period of ten (10) years, male ratio decreased 4% whether female ratio increased approximate 4% and the sex ratio changed from 106.13:93.87 to 102.30:97.70. During this period the number population was increased from 23,555 to 25789. Total 2234 population added and the yearly percentage of increasing trend is 0.95% which indicates that the present population will double in number 105 year later.

4.7 Population in the age group

The positive site is that the percentage of population in the age group expresses the potentiality of working generation. On the one hand, the trend of new born infant is controlled in size which is only 11.8% of total population and 38% of potential rising children and teenager that is a positive site of the union.

Figure 2.3: Percentage of population in the age group



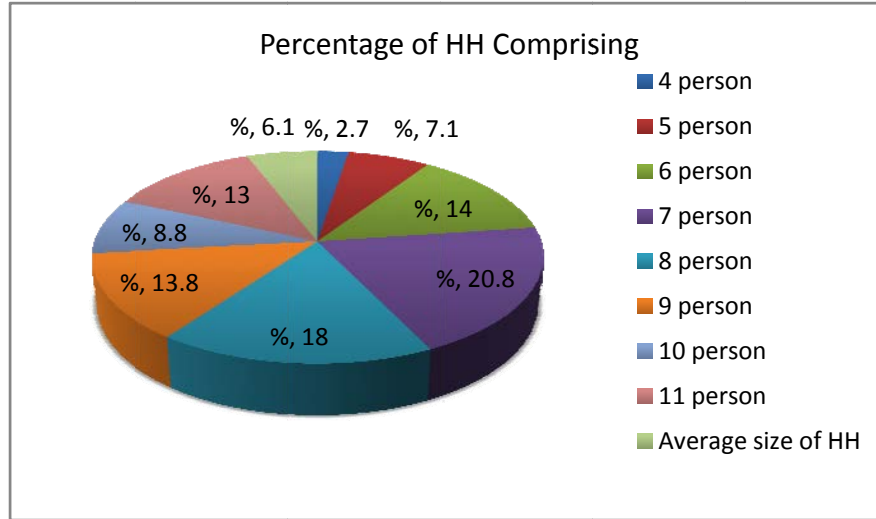
Source: Bangladesh Population & Housing Census 2011

Likewise, 38.5% of potential population is engaged in several working activities in the internal and external arenas. Furthermore, only 1.8% people are going to be age old.

4.8 Population in the household comprising

In household pattern, the numbers of members are different in size. The household size consists of four to eleven whether the average number for each HH is 6.1% of total household.

Figure 2.4: Percentage of HH



Source: Bangladesh Population & Housing Census 2011

The chart indicates that 2.7%, 7.1% and 6.1% household consist of 4, 5, and 6 member whether 20.8%, 18% and 13.85 household consist of 7, 8 and 9 member. Besides these, 8.8% and 13% household belong more than 10 members.

4.9 Family structure

The Charchartala is dominating by patrilineal ties family. Different types of family like joint family, extended family, nuclear family are found in the area. Married sons generally live in their parents' household during the father's lifetime. Although sons usually build separate houses for their nuclear families, they remain under their fathers' authority, and wives under their mothers-in-law's authority. The death of the father usually precipitates the separation of adult brothers into their own households. Such a split generally causes little change in the physical layout of the household.

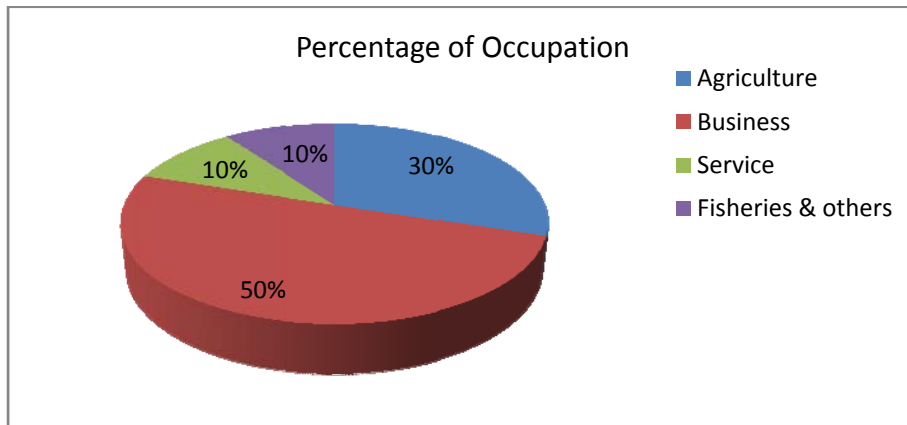
4.10 Education

The union has one college, two high schools, two primary school, four madrasa, and seven kinder gardens. The literacy rate of the area is 56.35% of which male-56.7%, female-53.1% (BBS, 2011).

4.11 Occupation

In Char Chartala, farming is decreasing as occupation. At present farming as occupation are 30% of total households respectively. Northern portion and industrial belt of Charchartala union belongs urban character and remaining area is predominantly rural. Agriculture activities and business are the main occupation of the area.

Figure 2.5: Percentage of occupation



Sources: BBS, 2011

Previously, agriculture was more dominant but now its position is diminishing. Agriculture, service and fisheries and others occupations coverage are 30%, 10%, 10% and 30% respectively while 50% occupation dominated in business.

4.12 Cropping pattern

Main crops grown in the study area are aus and boro paddy. Besides this, potato, sweet potatoes, oil seeds, groundnut, vegetables, arum, til (sesame), wheat, sugarcane, mustard, lentil, onion etc. are cultivated in the study area. Watermelons are produced in the study area (UAO, 2014). Fruits like, jackfruit, lemon, watermelon also to be produced.



Picture of Sweet Potato in Char Chartala

4.13 Fishing

The union is enriched with open water fishes which are available in the river, canal and floodplain. The river Meghna is flowing three sides of the union. During monsoon fishermen catch fishes in the upper Meghna River. There are two Jalmahal (open water fishing zone) over 20 acres of water bodies. Number of pond is 8 and most of them are under fish culture. Major fish varieties are ruhi, katla, taki, kai, magur, singhi and boal etc. Fish is an important resource of the area. Dependent population on fishery is 2% in the upazila.



Char Chartala Jalmahal (open water fishing zone)

4.14 Religion

The area is predominantly Muslim. In Asuganj, 95.84% population is Muslim and rest is mainly Hindu communities. The Study area's condition is also same. In the sample area mainly Muslims are residing. Hindu communities are very minor.

4.15 Housing pattern and ownership

In the project area, maximum people live in their own houses but a few in rented houses. As more urbanization, more households reside in the rented house in the area. The area is a semi urban in nature. Moreover, it has also a rural character. Most people live in inherited land.



New housing pattern in village area

4.16 Cultural aspects

People residing in the Charchartala union, mainly Muslims and Hindus. The general culture and heritage of the area based on core belief of both the religions. The Muslims pray in the mosques and observe their religious festivals like Eid; the Hindus observe their pujas (Durga puja, Kali puja, etc.) in the temples. They usually celebrate various religious occasions as well as pujas as a religious festival of the Hindus.

4.17 Road communication

The Dhaka – Sylhet highway and rail line passes through the middle of the study area. There are other metaled roads of LGED in and around the study area. Besides the train communication facility mechanized vehicles like truck, bus, car, jeep, baby taxi, battery driven auto rickshaw, CNG auto rickshaw, tempo, motor cycle etc. ply in the road. Non-mechanized traffic like rickshaw, van, bicycle, cart etc. utilize these roads. These transports are regularly carrying both passengers and goods.



Dhaka-Sylhet Highway to Fertilizer Industries Connecting Road in Char Chartala

4.18 Working place of population in the study area

In the union, most of the low income people work in market, drive rickshaw and pay for day labor. In urban area, various types of non-agricultural activities are involved. A large number of labors work in boiler based rice husking mills. Labors of husking mills come from adjacent low-lying haor areas. Educated go to the capital city.

Picture: Boiler Based Rice Husking Mill



4.19 NGO activities

Different NGOs are working in the area. Name of the major NGOs are ASA, BRAC, Grameen Bank, Proshika Manabik Unnayan Kendra, etc. The main activities are microfinance, group formation, savings and community and Health services.

4.20 Sayed Nazrul Islam bridge/Bhairab bridge

Sayed Nazrul Islam Bridge is a multi-span prestressed concrete box girder structure 920m long, which carries the Dhaka - Sylhet trunk road and provides a direct connection between the riverside towns of Asuganj and Bhairab. It is located over the river Meghna. The bridge was completed in 2002. This bridge



Picture: Vhairab Bridge

improves communications between Dhaka and the Sylhet region in the north east of Bangladesh & cut journey times to Sylhet. The main bridge is 1.2 km long and comprises seven 110m spans and two 79.5m spans.

4.21 Abdul Halim Rail Bridge/Bhairab Rail Bridge

Abdul Halim Rail Bridge over the [Meghna River](#), popularly known as the Bhairab railway bridge, was opened on 6 December 1937, enabling passage between Dhaka and Chittagong. Meghna Railway Bridge in Bhairab Bazar is one of the oldest massive still structures in Bangladesh. This is the



Picture: Abdul Halim Rail Bridge

only single line Railway Bridge which is connecting Dhaka division to Chittagong division. The bridge was developed by British Authority during British period in India to move their goods,

soldiers and business purpose. South side of this bridge was destroyed in 1971 War against Pakistan and repaired again after the war.

4.22 Asuganj fertilizer industry

Asuganj Fertilizer Industry was mechanically completed in October 1981 and placed in commercial production on July 1, 1983. The main objective of the Industry is to produce urea fertilizer using indigenous natural gas, thereby reducing fertilizer imports and saving scarce foreign exchange. As a major agricultural input, the increased domestic fertilizer availability would assist in increasing food production and furthering the objective of achieving food self-sufficiency. To a limited extent, the industry



Picture: Asuganj Fertilizer Industry

has also generated some employment and upgraded professional skills (WB, 1986). The industry includes natural gas based ammonia plant. The industry is based on the use of natural gas from the Titas and Habiganj gas fields as the feedstock and energy source. From the total area about half is used for the production facilities and the rest for the housing colony.

4.23 Gas Compressor Station of GTCL

The Gas Transmission Company Ltd (GTCL) is the state owned company of Bangladesh. GTCL constructed its compressor station at Char Chartala in Asuganj. Due to low pressure of gas ‘which disrupts its supply from the gas fields of the country’s eastern zone to Dhaka’ GTCL constructed it in the study area for improving gas supply and removing the crisis of low gas pressure in Dhaka (Independent, 2014).



GTCL Compressor Station, Char Chartala, Asuganj

Gas extracted from distant gas fields in the eastern region of the country is supplied through two pipelines to Asuganj Manifold Station of GTCL, and then to Brahmanbaria, Dhaka, Chittagong

and Rajshahi regions through four pipelines through the gridlines coming from Titas and Habiganj gas fields in Brahmanbaria.

4.24 Food Storage Silo Godawn

Asuganj Silo, one of the biggest silos of Ministry of Food, is situated at the point where the main line of the Eastern railway between Dhaka and Chittagong crosses the bridge over the Meghna River. Capacity of the silo is 50,000 MT. The main silo consists of 48 circular bins, and the hade house, which main food grain handling machinery. Basically the



Asuganj Silo

internal operation of the silo at Asuganj is to receive the food grain, clean and fumigate it if necessary, keep it in storage and transfer same from one bin to another, then ship out in bag or in bulk by means of rail wagon, trucks, boats and barges. Construction of this silo was started during 1967 and completed in 1971. The consultant of this project was Weitz-Hettlesater Engineers. U.S.A. Mechanical and Electrical Equipments supplied by Miag Buhler, a joint venture of Germany and Switzerland. Electrical Equipments supplied by Lau Knudsen Denmark and Civil Construction completed by Skanska Cemen geteriate, Sweden.

4.25 Rail Station

Asuganj rail station is one of the oldest stations in the country. The station makes the bridge



Asuganj Rail Station



Rail Bridge



Underpass

between Brahmanbaria and Kishoreganj district. The architecture of the station is so amusing to look and the shape of the station made it a unique position from the southern part of the station. Underpass of the station makes it more attractive and Rail Bridge on the west compose it more important. The place was more crowds before construction of Sayed Nazrul Islam Bridge.

4.26 Ship Building Industry

In Charchartala union, ship building emerged as new industrial activities. The south- western of food storage silo, on the bank of the river Meghna, this industry started with small scale activities. Since the area is riverine and skilled manpower is available, few business

entrepreneurs took initiatives to build a number of ships that may be sold or export for business and profit.



Conclusion

In conclusion, it is clearly said that the union has diversified activities. The urban and rural characteristics are instituted in the union. Modern economical transaction between the inhabitants and national- international organizations made the area more dynamics.

Chapter 5: Legal Framework

The different policies, strategy, direction and documents of the government have highlighted the consequence of land use and zoning for integrated planning of resource management of the country. Some of the important policy statements are mentioned below:

5.1 The State Acquisition and Tenancy Act 1950

According to the Section 90(2) of State Acquisition and Tenancy Act and section 326 of the Land Management Manual 1990, the agriculture land is not permissible to transfer in favor of non-farmers. Non-farmers are not allowed to purchase or possess any agriculture land for business, commerce, industries, resident without the permission of collector. Even in classification change of farm land, during requirement, permission should be sought at the revenue officer.

5.2 The National Land Use Policy in 2001

The Ministry of Land formulated National Land Use Policy in 2001 to prevent land degradation and to ensure its best utilization. The policy highlighted the need for carrying out a national land zoning program for integrated planning and management of the country's land resources. The national land use policy (NLUP) 2001 emphasized (1) preventing the high conversion rate of agricultural land to non-agricultural purposes, (2) utilizing agro-ecological zones to determine maximum land-use efficiency, (3) adopting measures to discourage the conversion of agricultural land for urban or development purposes and (4) improving the environmental sustainability of land-use practices. The NLUP policy stated that agriculture products supply one third of national income and two-third of human living standards. Effective use of land can make sure the numeric contribution to the national GDP. Based on soil suitability, it is important to structure land zoning for controlling unplanned land use, preventing land degradation, preserving natural character and sustainable future. NLUP highlights need, importance and modalities of land zoning for integrated planning and management of land resources of the country. This policy also mentioned the need of formulating a zoning law and village improvement act for materializing the identified land zoning area. Planned use of land according to land zoning maps prepared on the basis of present and potential land uses will be ensured through enforcement of the provisions of relevant laws.

5.3 Sixth Five Year Plan (2011-2015)

One of the key strategic elements of the sixth five year plan is a firm commitment to pursue an environmentally sustainable development process. Natural resources like land and water are limited and their per capita availability is diminishing due to rising population and unplanned use of resources. Thus, the focus of the sixth plan's environmental management strategy would be the conservation and maintenance of natural resources. Land is the scarcest factor of production in Bangladesh. Better management of land is of paramount importance for sustaining rapid GDP growth in Bangladesh. Land is essential for agriculture, housing, urban, development etc. through ensuring best possible use. Planned use of land according to land zoning maps prepared on the basis of present and potential land uses will be ensured through enforcement of the provisions of relevant laws. The Government will take up projects for the development of rural townships where specific areas are to be earmarked for housing, marketplaces, industries and infrastructure. Land acquisition act and policy would be rationalized along with a system of fair and equitable compensation for acquired land.

5.4 Perspective Plan of Bangladesh (2010-2021)

The plan stated that seventy per cent people of Bangladesh live in rural areas and draw their income and employment from agriculture and related activities. Agricultural land is limited and is reducing at 1 per cent per annum. The government must promote sustainable land-use planning and innovative land management practices, with the objective of providing for the land requirements for rural and urban development through integrated and environmentally sound physical planning and land use.

5.5 The National Sustainable Development Strategy (2010-2021)

The National Sustainable Development Strategy (NSDS) 2010-2021, Bangladesh highlighted that land use in the country is diverse and often conflicting. It is intensively used for agriculture, settlements, forests, shrimp ghers, natural fisheries, salt production, industrial and infrastructural developments and tourism. Demand for expansion in all land uses (urban area, settlement, shrimp etc.); increasing demands for new uses (tourism, export processing zones and others); conflicting land uses and demands, and encroachment and conversion of land from one use to the other. The population is increasing and the land is being converted from directly productive purposes, such as crop cultivation, to other uses like housing and roads and urban development.

It is reported that cultivated land has been declining by almost one percent per year. Without effective measures to arrest this alarming trend the land available for crop production will continue to fall. Degradation of land refers to loss of its potential production capability as a result of degradation of soil quality and also its loss for effective use. The country loses about 10,000 ha of land to river erosion every year. This loss of land in a land scarce country has serious socio-economic impact.

5.6 Coastal land zoning policy 2005

Coastal land Zoning Policy 2005 highlighted the need for land zoning for the coastal area of Bangladesh. It describes about the need for definite guidelines and raises the possibility of doing coastal land zoning through an inter-ministerial task force. Zoning regulations would be formulated and enforced in due course. Through the responsible agencies, the Government will take proper plan and implement schemes for reclamation of balanced land from the sea and rivers.

5.7 The Territorial Water and Maritime Zones Act 1974

According to section six (06) of the Territorial Water and Maritime Zones Act 1974 of Bangladesh, the government may, with a view to the maintenance of the productivity of the living resources of the sea, by notification in the official gazette, establish conservation zones in such areas of the sea adjacent to the territorial waters as may be specified in the notification and may take such conservation measures in any zone so established as it may deem appropriate for the purpose including measures to protect the living resources of the sea from indiscriminate exploitation, depletion or destruction.

5.8 National Agriculture Policy 1999

National Agriculture Policy 1999 illustrated that government has the primary responsibility of ensuring optimum use of land. Although land is a privately owned property in general, its use has to be compatible with the overall social goals and utility. Following steps will be taken to ensure planned utilization of land:

- Land zoning programme will be taken up by the government on a priority basis. Integrated approach of government will be further strengthened for this purpose.

- To ensure maximum utilization of land, bottom up planning through people's participation and its implementation will be started from the mouza or village level.
- Fertile agricultural land is going out of cultivation due to its use for non-agricultural purposes such as private construction, house building, brickfield, etc. Appropriate measures will be taken to stop this trend in the light of the Land Policy of the government.
- Acquisition of land in excess of requirement for non-agricultural purposes will be discouraged.

5.9 National Fisheries Policy 1998

National Fisheries Policy 1998 avowed that lakes, beefs, ditches-canals and other open water bodes should not be completely dewatered. Water bodies would be renovated for fish culture and these would not be reduced in sizes. All water bodies primarily used for fisheries will be marked and their appropriate use will be ensured. Soil maps will be developed in almost potential fisheries areas of the country and prescription will be made available regarding requirement of lime and other manure.

5.10 Shrimp Strategy 2004

Draft Shrimp Strategy 2004 stated that the regulatory framework is essential to develop are for zonation. Areas suitable for shrimp cultivation will be identified using a land zoning process which will limit brackish water shrimp aquaculture to coastal areas. The objective of land zoning is to optimize land use. The zoning process should therefore involve all stakeholder groups.

5.11 National Forest Policy, 1994

National Forest Policy, 1994 affirmed that attempts will be made to bring about 20% of the country's land under the afforestation programs of the government and private sector by year 2015 by accelerating the pace of the program through the coordinated efforts of the government and NGOs and active participation of the people in order to achieve self reliance in forest products and maintenance of ecological balance. Inaccessible areas such as slopes of the hills, fragile watersheds, swamps etc. will be identified and kept as protected forests.

5.12 National Industrial Policy 2010

National Industrial Policy 2010 described that environmental protection and preservation of aquatic resources are of utmost priority in the country which has a huge population and very limited land resources. The government will institute a land-satellite based system to map the land and water terrains in Bangladesh with a view to deciding allocation of land and water resources for industrial projects and to monitor land and water use, land water degradation, soil and beach erosions. For that Government will track major land, water and related industrial projects and their impact on environment and also create awareness among the public on environment protection, pollution, dumping of hazardous material on land and water. In these way, opportunity to positive efforts toward land and water protection as well as greening of the environment.

6.1 Findings and analysis

6.1.1 Classification of land according to Cadastral Survey (1958)

The Cadastral Survey was conducted in Charchartala between 1957 and 1958. The main objectives of the survey was to classify land, update land record and ownership, land management, counting land plots, measuring land, figuring out of mouza boundaries and so on. According to the CS mouza map and ROR of Charchartala, sixteen categories of land classes were found in the study area and the total land was 3586.2414 acre (appendix-2 & table-1.5). Cultivated land, river Meghna and homestead occupied 44%, 39% and 2.4% of total land respectively. The rest of thirteen classes of land occupied 15% of land of the union.

Table-1.5: Land use classification of charchartala union, 1958

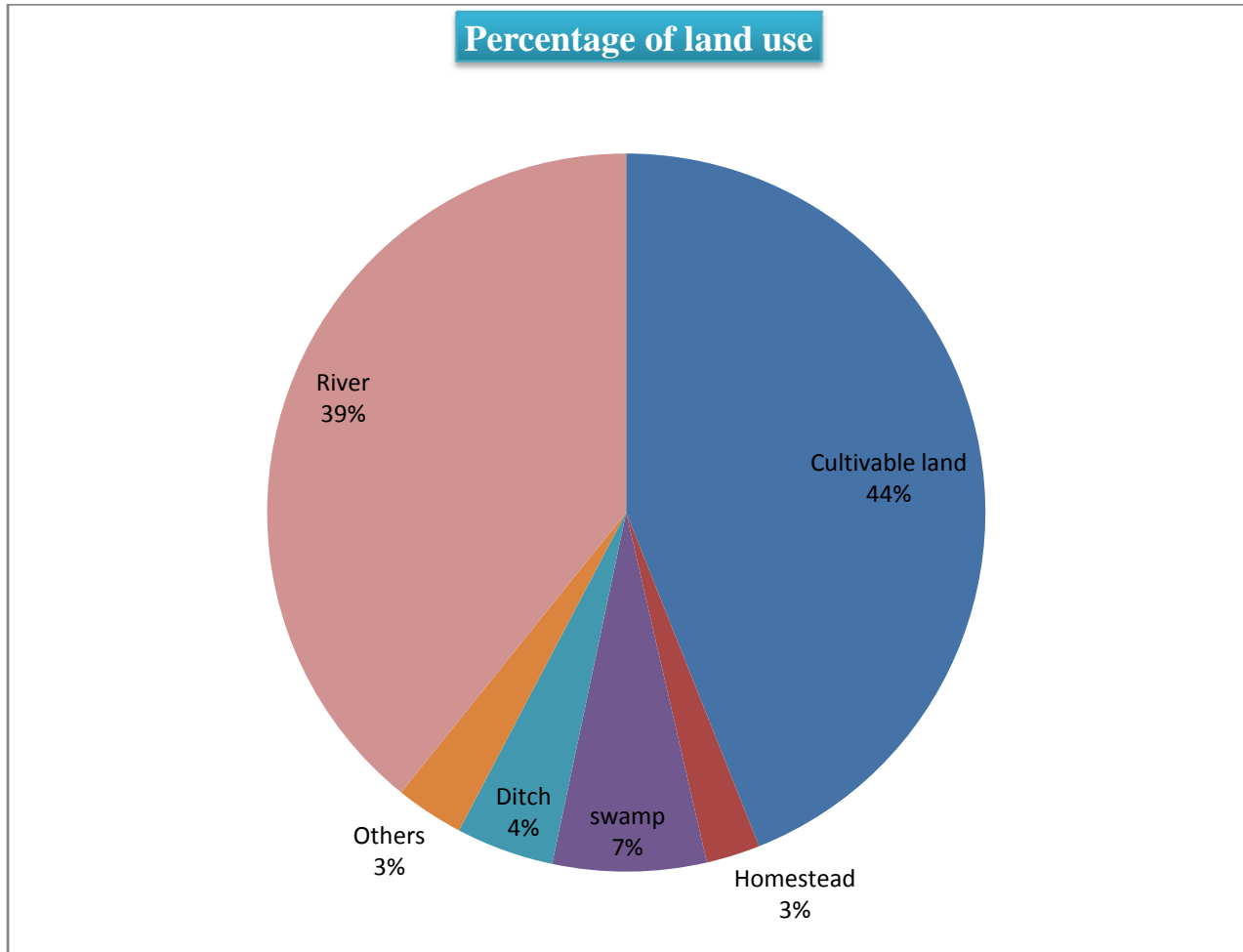
Land Class	Total land (acre)	% of land
Cultivable land	1576.95	43.97
Homestead	86.97	2.42
Storehouse	5.67	0.16
Swamp	248.13	6.92
Ditch	157.74	4.40
Fallow	6.98	0.19
Bare land	28.80	0.80
River	1406.27	39.21
Cannel	12.12	0.34
Pond	27.74	0.78
Railway	5.68	0.16
Road	13.89	0.39
Hallot	3.14	0.09
Office	1.79	0.05
Mosque	0.10	0.02
Graveyard	4.3	0.12
Total	3586.42	100.00

Source: Author compiled from union land office, Asuganj, 2014

The table indicates that, fifty six years ago, the area was mainly dominated as agriculture zone. Four side of the union was shaped with the river Meghna and fertile soil favored agriculture crops with the assist of flowing siltation of the river Meghna during rainy season. Historically, the river has been flowing on the north-west and southern side of the union and it is also adjacent

to the Vhairab upazilla portion of the Meghna River on the west and north, Raipura upazila portion on the south-west, Nabinagar upazila portion on the south. The river is also in favor of agriculture product during wet season.

Figure-2.6: Percentage of land class in 1958

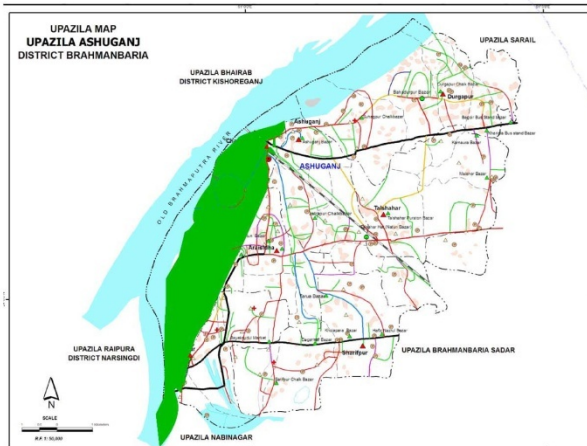
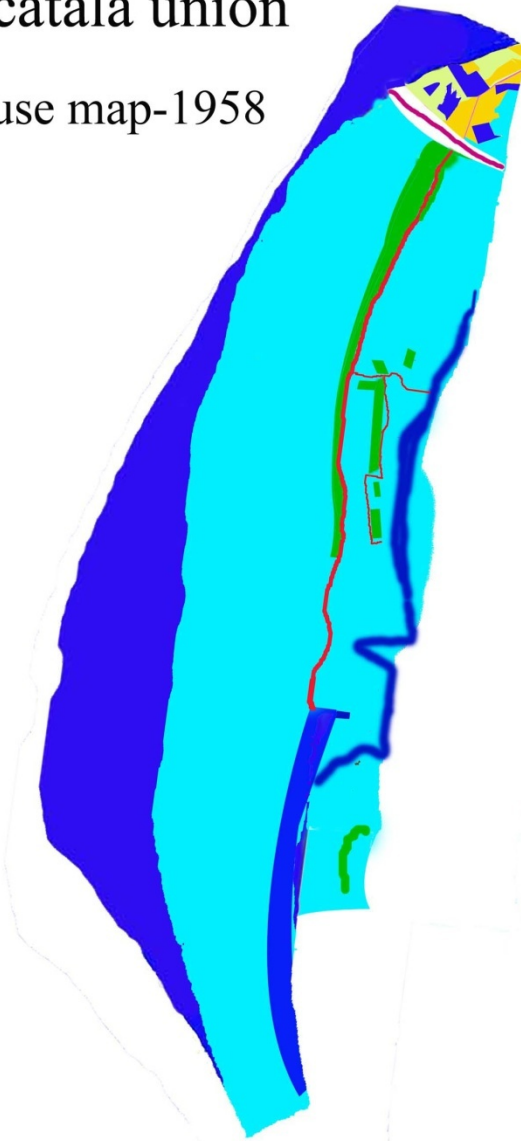


Sources: CS mouza map and land record of Asuganj sodor union land office, 2014

Farmers easily use water for their crops and meet up their feeding demand. The river Meghna is in favor of fisheries. From the Pre-British India, charchartala has been self-sufficient with fisheries and a number of fishermen are engaged in catching fish. Different types of fish have been catching from the river. A number of fishes are sold after meeting their daily protein. Riverine siltation, which make the land fertile, and its productive ecosystem support the life cycle of different fauna and flora of the study area. Since, the river covered 39% of the total area of the union; it can be called riverine area or fishing zone.

Charcatala union

land use map-1958



-  Water body
-  Cultivated land
-  Homestead
-  Urban area
-  Road
-  Bare land

The river also contributes a lot for river transportation. Heavy goods like stone, metal, paddy etc are transferred between eastern zone and capital city of this country. In 1958, agriculture land and revering area covered 83% of total land of Charchartala union. These two types of land class dominated the greater portion especially more than three- fourth of the union. So, it was clearly identified as agro-fisheries zone due to demonstrate as a mixture of agriculture and fisheries types.

6.1. 2 Classification of land according to Bangladesh survey (BS) (1995)

Bangladesh Survey was conducted the union in 1995. The total land area was remaining unchanged but the transformation of land class was remarkable. Public and private interventions' transformed the character of cultivated land to other uses. During BS operation, the number of land class reached from sixteen to twenty eight. Government important key performance indicator (KPI) for instance food storage silo, fertilizer industry, Compressor Station of Gas Transmission Company Limited (GTCL), power plant etc were instituted in this area and some new land classes demonstrated. For the purpose of installment of KPI, the government acquired a major portion of agriculture land which resulted alarming situation of agricultural product and environmental degradation of this area.

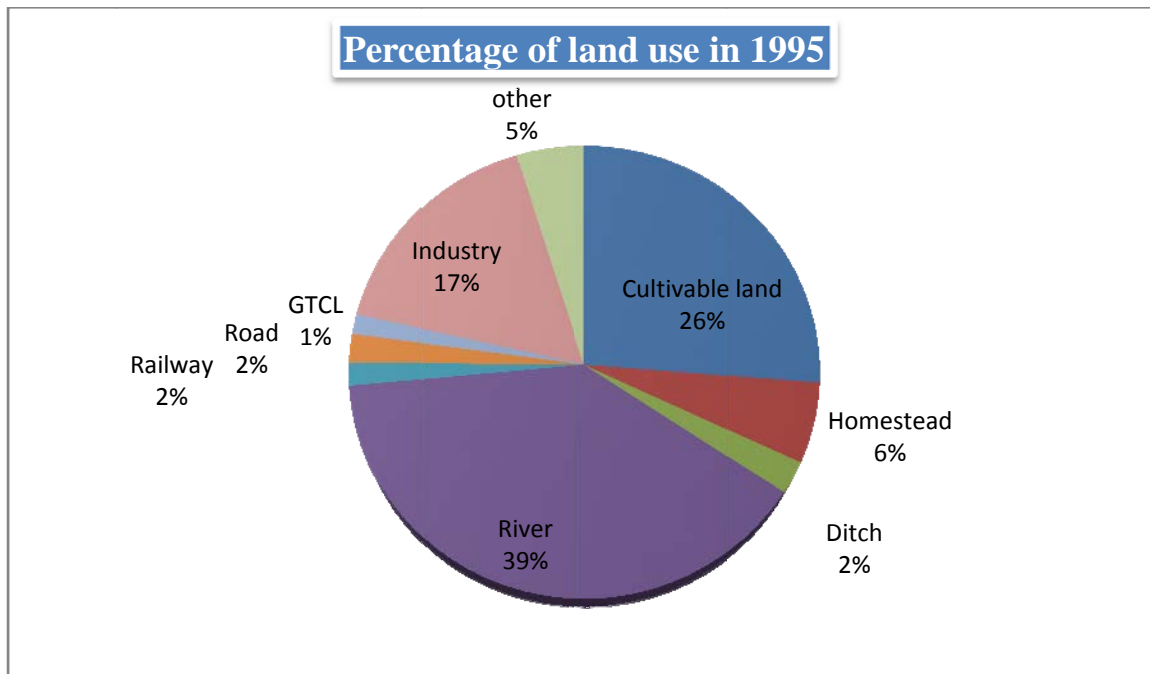
Table-1.6: Land use classification of charchartala union, 1995

Land Class	Total land (acre)	% of land	Land Class	Total land (acre)	% of land
Cultivable land	943.00	26.29	Mosque	0.9681	0.03
Homestead	205.58	5.73	Graveyard	5.83	0.16
Storehouse	4.22	0.12	Silo	24.55	0.68
Swamp	8.59	0.24	GTCL	50.47	1.41
Ditch	83.46	2.33	Power plant	6.03	0.17
Fallow	8.80	0.25	Husking mill	12.55	0.35
Bare land	28.85	0.81	Noyon juli	0.60	0.02
River	1403.95	39.15	Madrasa	0.06	0.001
Cannel	12.66	0.35	Cinema hall	0.08	0.002
Pond	33.47	0.93	Orchard	5.88	0.16
Railway	58.08	1.62	Shop	2.14	0.06
Road	72.74	2.02	Poultry farm	2.24	0.06
Hallot	5.46	0.15	School	0.67	0.02
Office	9.63	0.27	Industry	595.87	16.61
			Total	3586.42	100.00

Source: Author compiled from land record of Brahmanbaria settlement office, 2014

The table states that the highest land use to be found river 39.15% and then agricultural and industrial land use ranks occupy 26.29% and 23.24% of the total land consequently. Besides these, residential, roads and railway, ditch and GTCL occupy 5.73%, 3.63%, 2.33% and 1.41% of land respectively. In this period, the land use patterns of Charchartala union dominate as a mixture of fishing, agriculture and industrial types. These three dominate class occupy 82.05% of land and rest of 25 class of land occupy 19.95% land in the union. The rising rate of industrial activities has proved the growing proportion of industrialized and residential areas by transforming the agricultural lands. The road and rail network covers 3.64% of the union. The percentage of agriculture land reduced 17.68% over a period of 37 years and 596 acre of land was newly used for industrial purpose. So, the area would be identified as agro-fisheries-industrial zone.

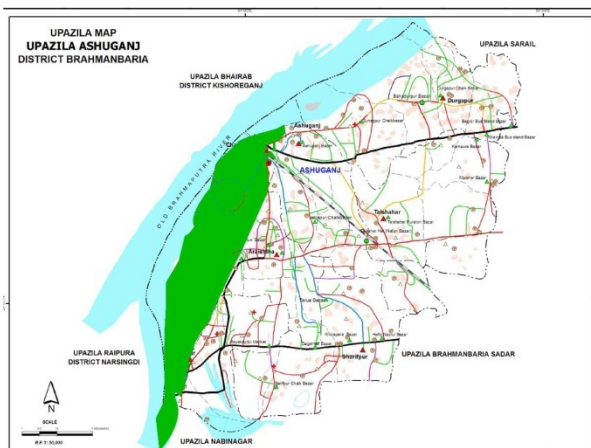
Figure-2.7: Percentage of land class in 1995



Source: Author compiled from land record of Brahmanbaria settlement office, 2014

Charcatala union

land use map-1995



-  Water body
-  Cultivated land
-  Homestead
-  Urban area
-  Road
-  Bare land

6.1. 3 Land use pattern, 2014

The present land use pattern of charchartala union can be demonstrated as a mixture of agriculture, fishing, industrial and residential types. The union has been treated as the area of business transaction. The highest landuse to be found river 39.15%. Excepting the north-east side, the river Meghna flows surrounding the union. Then the industrial landuse ranks second highest occupying 19.79% of the total land use. About 22.27% of the total land area is used for agriculture purposes.

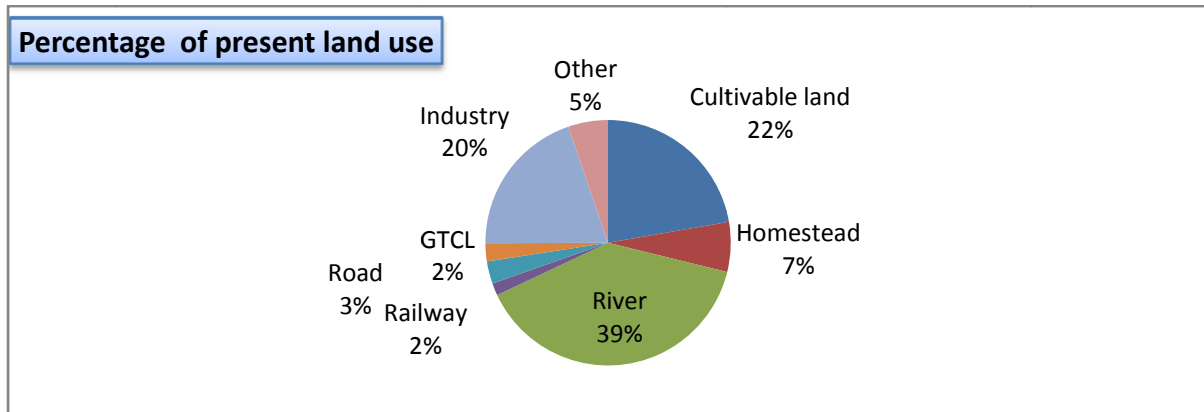
Table-1.7: Land use classification of charchartala union, 2014

Land Class	Total land (acre)	% of land	Land Class	Total land (acre)	% of land
Cultivable land	798.90	22.27	Graveyard	5.84	0.16
Homestead	235.28	6.56	Silo	27.43	0.76
Swamp	6.38	0.18	GTCL	85.12	2.37
Ditch	15.37	0.43	Power plant	6.03	0.17
Fallow	9.89	0.28	Husking mill	13.67	0.38
Bare land	23.62	0.66	Noyon juli	0.22	0.006
River	1403.95	39.15	Madrasa	0.15	0.004
Cannel	12.66	0.35	Orchard	4.71	0.13
Pond	24.05	0.67	Shop	1.46	0.04
Railway	58.08	1.62	Poultry farm	2.63	0.07
Road	105.82	2.95	School	0.67	0.02
Hallot	5.46	0.15	Industry	709.77	19.79
Office	9.63	0.27	SNB	14.08	0.39
Mosque	0.97	0.03	Market	4.59	0.13
			Total	3586.42	100.00

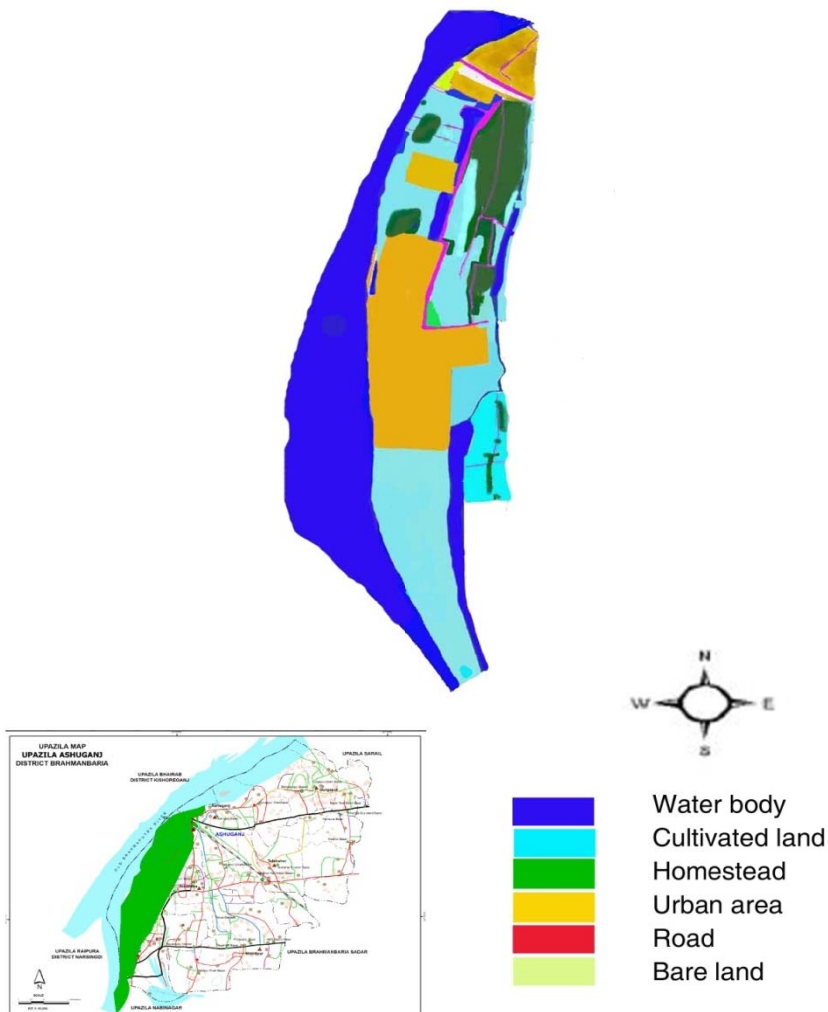
Source: Land use survey, 2014

The main agriculture block is found in ward 3, 7, 8 and 9. The compressor station of gas is located in ward 3, Asuganj fertilizer industry is found in ward 6 and 8, the river is adjacent to ward 2,3,7,8 and 9, and residential area is found in ward 1,2,4,5 and 9 of the union (appendix-8).

Figure-2.8: Percentage of land class in 2014



Source: Author compiled from field survey, 2014



The increasing rate of industrial and commercial activities in and around the union has resulted in the growing proportion of residential areas within the semi-urban limits by transforming the remaining portion of agricultural lands. The industrial and commercial use of land occupies some portion of existing water bodies in the area. Residential area covered 7% of land. A new class of commercial use of land for instance rice husking mill, added with the existence class that occupied 14 acre of land. There are some other governmental institutions like food storage silo, power plant, rail way station, river port, launce terminal, GTCL, Dhaka-Sylhet highway; market etc is found in the study area. Now the road and rail network covers 5% of land. There have no forest in the area, where a small number of homestead forest also has been struggling for their survival. Due to the semi-urban character, land owners willingly construct new residence on modern structure. In terms of geographical setting and better communication with the eastern portion of the country and neighboring country India, the government of Bangladesh has been constructing a land port in the union. This port will make the area dynamic and will create commercial transition. Historically, the river Meghna familiar the union more business and strong ties with rail and road network from the south-eastern portion to the capital city of Bangladesh.

6.1.4 Changing land use pattern in char chartala union over time

According to the nature and extent of the study area and diversity of its land uses, 30 categories of land class have been found for three selected years (1958, 1995 and 2014).

Table-1.8: Land use pattern in different years of char chartala union.

Land Category		SA operation, 1958		Bangladesh Survey, 1995		Field survey, 2014	
		Area in acre	%	Area in acre	%	Area in acre	%
1	Cultivable land	1576.95	43.969	942.99	26.29	798.90	22.27
2	Homestead	86.97	2.42	205.58	5.73	235.28	6.56
3	Storehouse	5.67	0.16	4.22	0.12	--	--
4	Swamp	248.13	6.92	8.59	0.24	6.38	0.18
5	Ditch	157.74	4.40	83.46	2.33	15.37	0.43
6	Fallow	6.98	0.19	8.80	0.25	9.89	0.28
7	Bare land	28.80	0.80	28.85	0.81	23.62	0.66
8	River	1406.27	39.21	1403.95	39.15	1403.95	39.15
9	Cannel	12.11	0.34	12.66	0.35	12.66	0.35
10	Pond	27.74	0.77	33.47	0.93	24.05	0.67
11	Railway	5.68	0.16	58.08	1.62	58.08	1.62

12	Road	13.89	0.39	72.74	2.03	105.82	2.95
13	Hallot	3.14	0.09	5.46	0.15	5.46	0.15
14	Office	1.79	0.05	9.63	0.27	9.63	0.27
15	Mosque	0.10	0.002	0.97	0.03	0.97	0.03
16	Graveyard	4.3	0.12	5.83	0.16	5.83	0.16
17	Silo	--	--	24.55	0.68	27.43	0.76
18	GTCL	--	--	85.12	2.37	85.12	2.37
19	Power plant	--	--	6.03	0.17	6.03	0.17
20	Husking mill	--	--	12.55	0.35	13.67	0.38
21	Noyon juli	--	--	0.59	0.02	0.22	0.006
22	Madrassa	--	--	0.06	0.01	0.15	0.004
23	Cinema hall	--	--	0.08	0.02	--	--
24	Orchard	--	--	5.88	0.16	4.71	0.13
25	Shop	--	--	2.14	0.06	1.46	0.04
26	Poultry farm	--	--	2.24	0.06	2.63	0.07
27	School	--	--	0.67	0.02	0.67	0.02
28	Industry	--	--	595.87	16.61	709.77	19.79
29	SNB	--	--	--	--	14.08	0.39
30	Market	--	--	--	--	4.59	0.13
	Total	3586.42	100.00	3586.42	100.00	3586.42	100.00

Source: Author compiled from land record and field survey, 2014

* (--) indicates that (30-16=) 14 land class has added after BS operation to field survey

It is mentioned here that in 1958, the area of Charchartala had sixteen land use classes which extended into thirty in 2014. Over a period of fifty six years, the union is diversified from monopoly agro-fisheries to heterogeneous activities.

6.1.5 Favorable location and changing land use classification

Charchartala is located between Brahmanbaria Sodor Upazila and Vhairab Upazila which are very important for communication, transportation and business issues from the capital city Dhaka to the south-eastern area on the country. Such favourable location of the union plays a vital role in the land use changes of the area. Land use change is occurring due to excessive pressure on land for settlement of seven Key Performance Indicator (KPI), development and establishment of infrastructure, commercial establishments, and human settlements. Expanded KPI set up and other activities promoted its growth from a village to a commercial semi-urban area and finally as a multifunctional place. These kinds of development of the union have a profound effect on land use change. The union has better road, rail and river network with several districts and direct connection with the capital city. As a result the product, that local

entrepreneurs and government KPI produce, can easily transfer to other side of the country which resulting the change of land use pattern of the area. The rise of land value in Charchartala also affects the landuse pattern. Highly valued land in KPI, residential and urban area is used by high income group. Considering land value some residences in the urban area are converted into commercial uses especially market, shop, private office, bank etc. Different categories of landuse including residential have been developed in the urban and village area of the union because of high value of land. The business and administrative importance also increased. Seven KPI, private business, private bank and other government and non-government institutions have been established in the area. As a result, the mobilization of resources and their positive effect creates many employment facilities in the area. A large number of potential working populations from several district of Bangladesh especially greater Mymensingh, Noakhali, Rongpur, and Jamalpur temporarily live here for several pull factors including employment facilities of the study area. It is observed that these temporal migrated people engage to build industrial development, business activities, infrastructure development etc. which change the land use pattern. Globalization is an international factor which creates tremendous influence on landuse pattern and their changes in Charchartala as it works as a pull factor to reside in the union environment.

Table -1.9: Changing landuse pattern of charchartala, 1958-2014

Landuse Category		Landuse-1958 (in acre)	Landuse-1995 (in acre)	Landuse-2014 (in acre)	% Change 1958-1995	% Change 1995-2014	% Change 1958-2014
1	Cultivable land	1576.95	942.99	798.90	-17.67	-4.02	-21.70
2	Homestead	86.97	205.58	235.28	+3.31	+1.58	+4.89
3	Storehouse	5.67	4.22	---	-0.04	-0.18	-0.16
4	Swamp	248.13	8.59	6.38	-6.68	-0.06	-6.74
5	Ditch	157.74	83.46	15.37	-2.07	-1.90	-3.97
6	Fallow	6.98	8.80	9.90	+0.05	+0.03	+0.08
7	Bare land	28.80	28.85	23.62	+0.006	-0.15	-0.14
8	River	1406.27	1403.95	1403.95	-0.06	0.00	-0.06
9	Cannel	12.11	12.66	12.66	+0.02	0.00	+0.06
10	Pond	27.74	33.47	24.05	+0.16	-0.26	-0.10
11	Railway	5.68	58.08	58.08	+1.46	0.00	+1.46
12	Road	13.89	72.74	105.82	+1.64	+0.92	+2.56
13	Hallot	3.14	5.46	5.46	+2.32	0.00	+0.22
14	Office	1.79	9.63	9.63	+7.84	0.00	+0.02
15	Mosque	0.10	0.97	0.97	+0.87	0.00	+0.02

16	Graveyard	4.3	5.84	5.84	+1.15	0.00	+0.04
17	Silo	--	24.55	27.43	+0.68	+0.08	+0.76
18	GTCL	--	50.47	85.12	+1.41	0.96	+2.37
19	Power plant	--	6.035	6.03	+0.17	0.00	+0.17
20	Husking mill	--	12.55	13.67	+0.35	+0.03	+0.38
21	Noyon juli	--	0.60	0.22	+0.02	-0.01	+0.006
22	Madrassa	--	0.06	0.15	+0.002		+0.004
23	Cinema hall	--	0.08		+0.002	-0.02	
24	Orchard	--	5.88	4.71	+0.16	-0.03	+0.13
25	Shop	--	2.14	1.46	+0.06	-0.02	+0.04
26	Poultry farm	-	2.24	2.63	+0.06	+0.01	+0.07
27	School	--	0.67	0.67	+0.02	0.00	+0.02
28	Industry	--	595.87	709.77	+16.61	6.00	+22.61
29	SNB	--	--	14.08	--	+0.39	+0.39
30	Market	--	--	4.59	--	+0.13	+0.13
	Total	3586.42	3586.42	3586.42			

*(+) indicates the increase of percentages, where (-) indicates the decrease of percentages.

Source: Compiled from mouza map, land record volume and field survey, 2014

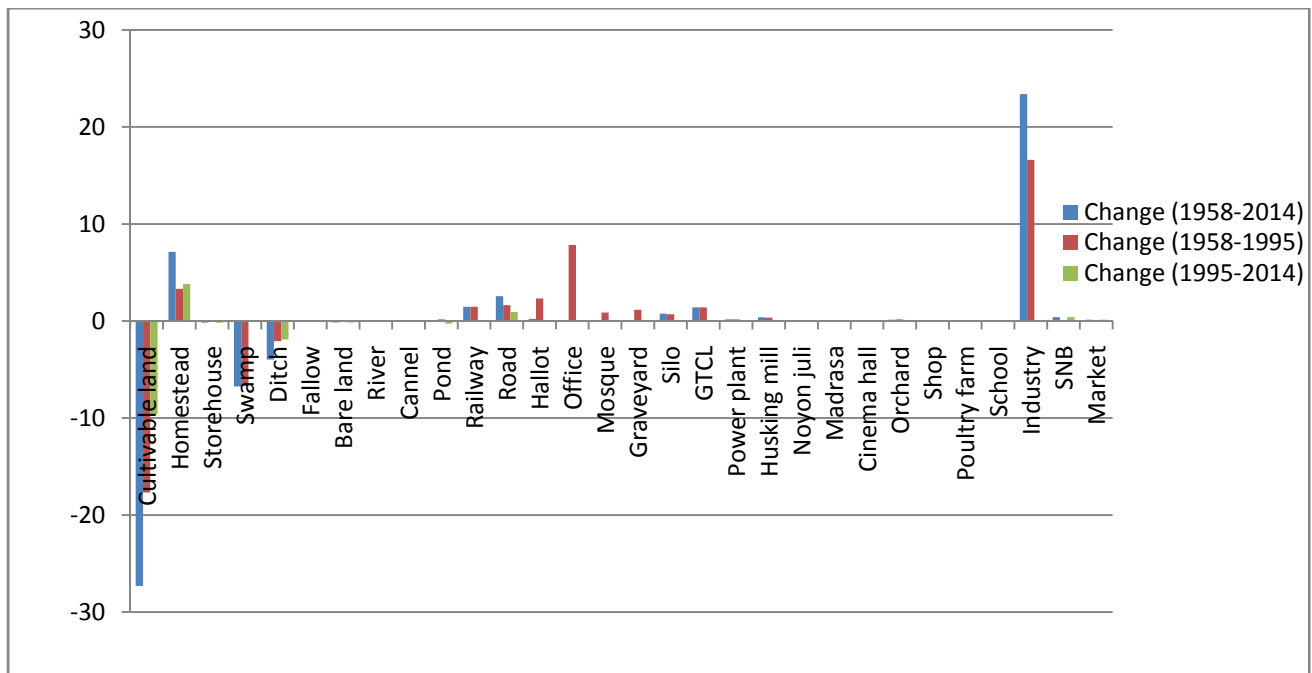
It is observed that the agriculture land has been decreased 22% over a period of 56 years which is more alarming for the agro-based country like Bangladesh. The negative effect of decreasing character of agriculture land was 18% between CS and BS operation, where it reduced again from the rest of agriculture-land 4% between BS operations to present study. The cultivated land is shrinking on at the rate of about 0.39 percent per year. A rapid and remarkable change has been observed in industrial landuse. In 1958, no industry was built in the area whereas presently round 23% positive change has occurred this type of landuse. That means 23 % of the new industrial area has added, till 2014, to the zero industrial area of 1958 (Table-1.9). Besides, residential or homestead area has positive change in the union which is 5% during the five decades. New residential area has developed using agricultural land, fallow, bare land and open spaces for providing housing facilities to the increasing population. The low income group residential area has declined than that in the previous two decades. But high and middle income group residential area has increased recently. Historically, the northern part was for residential and commercial use; the north- east and south-east portion was used for homestead. During six decades, in the northern and north-east part of the union, the density of residence has increased.

New residential areas have been establishing in rural area transforming agricultural and fallow land. Commercial activities are one of the most important dynamics of the union. It cover husking mill, farm, SNB, market etc. Commercial landuse and its changes have been observed with the growth of the study area. The commercial land of charchartala grew positively by 1.81%, 0.53% and 2.36% during the period of 1958-1995, 1995-2014 and 1958-2014 respectively. Mixed types of land use for example shops, banks, restaurants, office of the different institutions, cinema hall, rail station, bus stoppage have been established gradually since independence in the urban residential, commercial and rural area of the union. Thus, the presence of landuse has been diversified in the research area.

6.1.6 Dynamics of land use change

A significant change observed in land use pattern of the study area in respect of agriculture land, homestead land and industries area. Agriculture land of charchartala union is negatively declined by 18%, 4% and 22% during 1958-1995, 1995-2014 and 1958-2014 respectively.

Figure- 2.9: The Dynamics of landuse change in charchartala union



Source: Author compiled from different sources, 2014

Industrial landuse of charchartala is positively increased by 17% and 23% during 1958-1995 and 1958-2014 respectively. Before independence, charchartala had only food storage silo. With the importance of time, the union has become an ideal place for KPI, business, fishing and

agriculture product. Settled of KPI's has risen of land value in the union. Agricultural land, fallow land, bare land, ditch, old pond and water bodies have used for settlements in terms of residential, commercial, road network etc in the union since 1958. With the passage of time, the growing population and the faster economic activities have increased and it reduces the amount of agricultural land of the union. The remarkable change in agricultural land is observed in the middle-south-western and north-eastern side of the union. The rapid conversion of agricultural areas to non-agricultural uses is more pronounced to the north of the union than to the south. The loss of fertile agricultural land is non-recoverable because much permanent construction has been undertaken. Significantly, the land where no permanent construction has taken place, i.e. that which is lying vacant, can be recovered but it will not be an easy task to restore this land back to agricultural use. Most of the agricultural lands are converted into KPI, settlements and mixed type of land use. Fallow lands, bare land, ditch land of the area are gradually transformed into settlements in terms of residential, commercial and Government development institutional etc. A number of ditch, swamp, tanks, and ponds were available in the urban portion of the union but with the necessity of settlements for increasing population, these water bodies were filled up over the years. There is no change of open water bodies for instance, river Meghna since 1958. The proportion of administrative landuse in the area is increasing remarkably. The changing pattern of landuse of the city can be summed up by saying that increase of industrial, residential and commercial area is responsible for decreasing agricultural landuse. Rural agriculture is one of the ways to the supply of food grains and vegetables to the residents of the village and cities in the country. The nature, type and magnitude of transformation of agricultural lands to non-agricultural activities may have a profound effect on food security of Charchartala union. Charchartala area lies on fertile land of peripheral river Meghna from the four side of the union. The riverine based union is in favor of agriculture and fisheries. At present, its present development is due to its commercial role. It has well developed KPI, business activities, river port, highway and railway transportation system etc which made the area more dynamic. In considering various development activities, the area can be called as trade center or trade zones. In the last few years, as new commercial activities have developed, the union and its surroundings have undergone radical changes, including the development of its built-up area and a transformation in its population's occupational structure. Historically, Asuganj has been

recognized as a center of trade and commerce. Due to its easy means of communication and transportation, an agglomeration of commercial activities developed at the bank of the Meghna.

6.1. 7 Changing occupation

Remittance is one of the life lines of Charchartala economy. The remittance has significant macroeconomic impact at household level. A number of potential young and skilled people of Charchartala are working abroad. During the construction of fertilizer industries, GTCL, Vhairab Bridge and their connecting roads, a number of local young potentials were working in those institutions. The young potential grew their technical skill and went to abroad specially Japan, Korea, and Middle East etc and utilized their skill and efficiency. Most of their remittances sent to the country for various livelihoods such as residences building, disbursement of small loans, living expenses, business, medical treatment and funds for asset purchases. Since then, they have been making separate residences reducing the agriculture land. Besides, a number of local entrepreneurs established rice husking mill in the area. As a result, many day labors work in their mills. Likely, many labors do outwork business in river ports, infrastructures development and so on. In such way, the occupation became diversified from agriculture to others year after year.

6.1. 8 Acquisition of land and development of the union

According to the land acquisition report of upazilla land office, Asuganj, 19% of land was acquired for development purpose during last five decades. It is mentioned here that man and land ratio of the union is 1:0.15 acre (BSS, 2011 and Survey Report, 2014). Due to construction of fertilizer industry and GTCL, 25% (table-1.7) of land was acquired by the government. The local farmers lost their factors of production. It is also mentioned here that the fertilizer company could not use their major acquired land for productive purpose and half of the acquired land remain vacant. As a result, the number of land owners decreased and since then ex farmers have been living the vacant land and producing agriculture crops by the contract with Fertilizer Company.

Table 1.10: Acquisition of land for development purpose

sl	Land Acquisition	LA Case no	Total land (acre)	Percentage of total land
1	Zia Fertilizer Company, Bangladesh Chemical Industries Corporation, Asuganj, Brahmanbaria	07/1973-74	595.87	14.40
2	Gas Transmission Company Ltd(GTCL)	01/1988-89	41.10	0.87

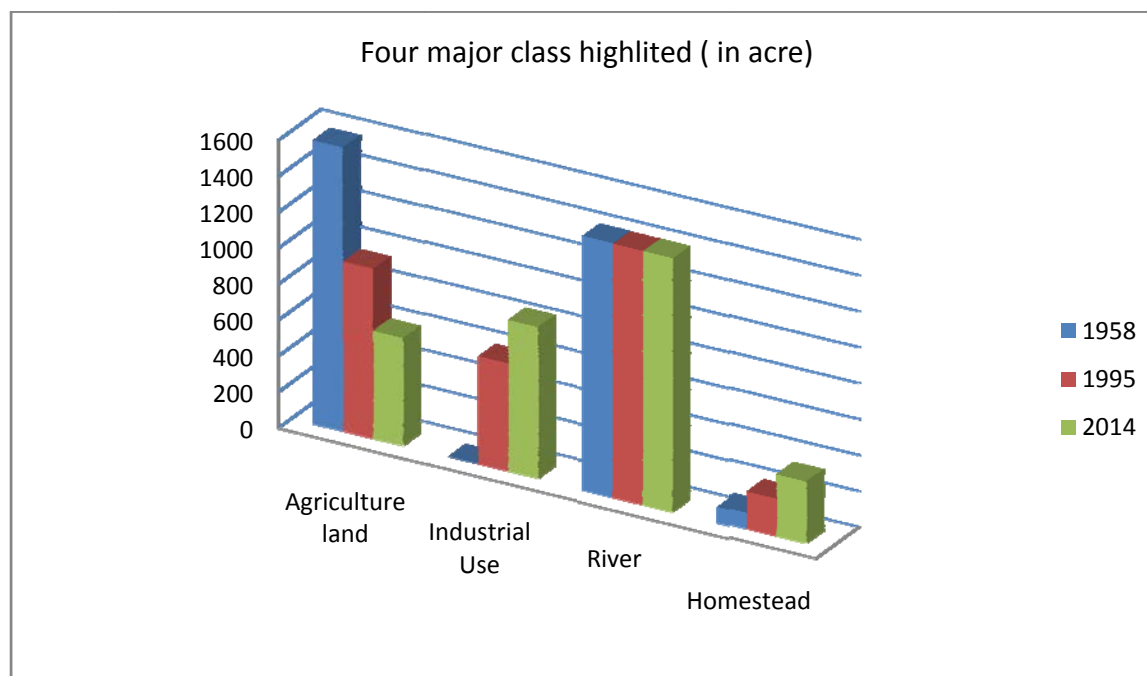
3	Gas Transmission Company Ltd(GTCL)	07/1998-99	44.02	0.96
4	Food storage silo godawn	100/1964-65	25.35	0.71
5	Food storage silo godawn	106/1967-68	1.19	0.03
6	Food storage silo godawn	77/1966-67	1.86	0.05
7	33kv sub-station	94/1963-64	6.10	0.17
8	Vairob Bridge project	07/1998-99	37.25	1.04
9	High way and connecting Roads	03/1964-65	5.29	0.15
10	Land port	01/2013	19.31	0.54
Total			678.59	19.00

Source: Upazila land office, Asuganj, 2014

6.1.9 Shifting trend of major land classes

During five decades (Table 1.9), the yearly average declining trend of agriculture land is 0.39%. On the contrary to say that, yearly, a remarkable number of lands have been used for industrial function while no alluvium or diluvium occurred during the period. There has been a significant increase and decrease of industrial function and agriculture products.

Figure- 2.10: Shifting trend of major land classes



Source: Compiled from different sources, 2014

From the study, it can be said that the industrial use of land was positively increased. The industrial extension made the area more diversified. Income sources also transformed from single to different layers. Agro based rural society transformed into non-farming nature. It is also observed that the trend of homestead was sharply increased during the decades.

6.2 Land zoning process: An analysis for land use policy

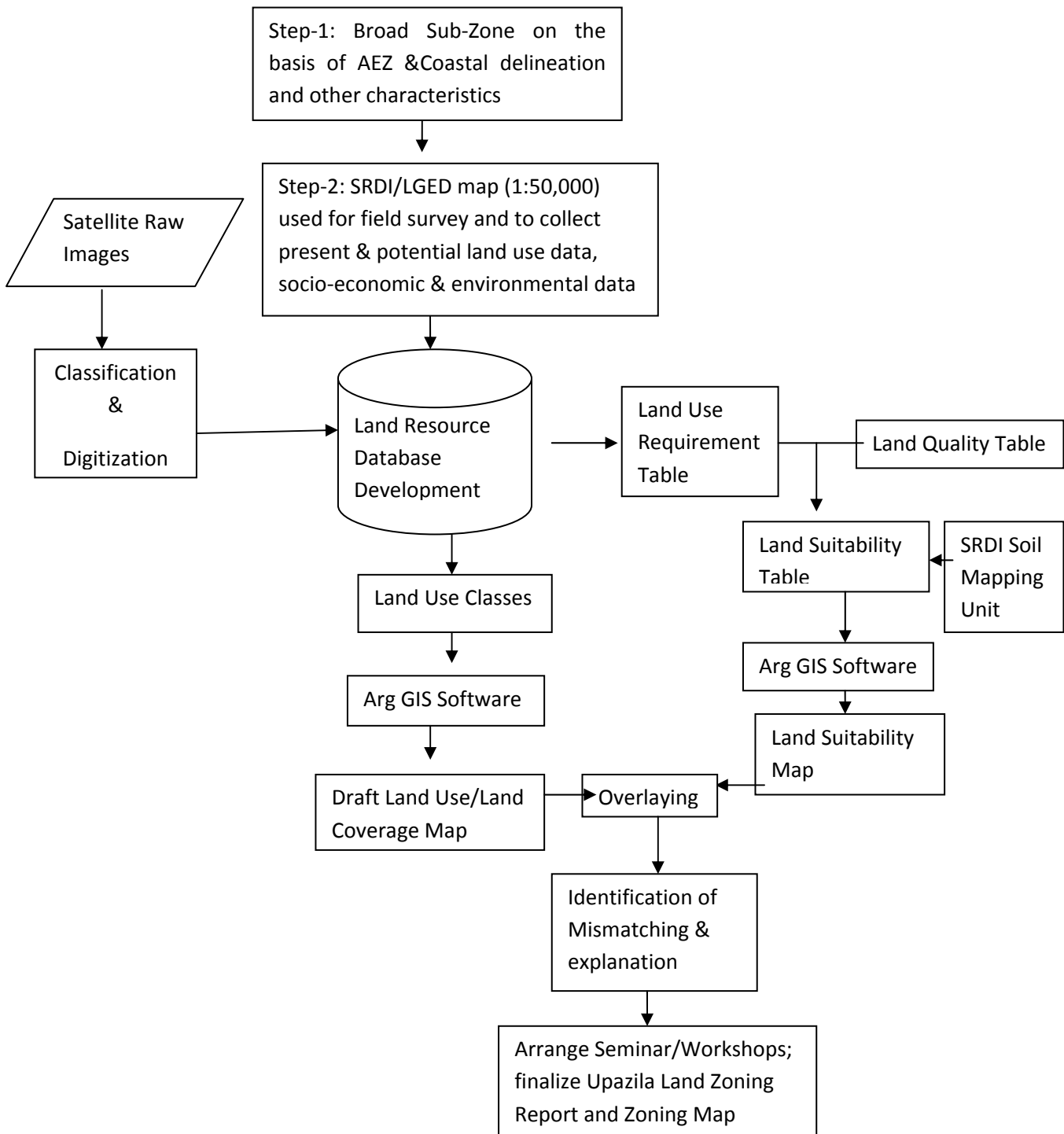
The National Land Use Policy 2001 is an important guideline of the government that emphasize on effective use of land in considering the factors of production and sustainable development. National land zoning project is a tool for initiating and implementing the planned use of land. The project started in 2010 and will finish middle of 2015. For assessing the land to its best possible use, the main objectives of the project is to prepare digital zoning map and to develop land zoning data base and management information system that will prevent land degradation, preserve and protect eco-system and reduce land conflict. The Ministry of Land is responsible to implement the project. The project will mainly identify major land use like agriculture, fishing, forest, tourism, rural and urban settlement, industrial and commercial areas for zoning maps. After completion of all upazila zoning map, countrywide the government, by the Ministry of Land, will promulgate a land protection act.

6.2.1 Process of land zoning activities

The whole process of land zoning activities could be summarized below:

- Review and evaluation of the relevant data derived from different sources;
- Inter-agency consultation meeting at district level;
- Discussion meeting at upazilla level;
- The LGIs persons and other relevant upazilla official are discussed and trained for helping data collection and draft map preparation at union level;
- Secondary data especially Satellite images collected from SPARSO for classifying existing land use and other important features;
- Field Survey
 - Upazila-wise SRDI and LGED base map as a reference guide for land use mapping;
 - Field survey with LGIs and other relevant upazilla officials including union Porishod chairman to collect data and demarcation of maps on present land use at union level;
 - Land zoning data and other information collected on the basis of semi-structured questionnaire/checklist;Collection of union -wise land use coverage on agriculture, fisheries and forestry through field observation (LZR, 2011).

Figure 2.11: Flow chart of land zoning methodology



Source: Land zoning report, 2011

6.2.2 Analysis of the zoning process

Developed countries implement zoning process in urban areas. Local institutions implement the process through homeostatic approach.

In Bangladesh, where zoning is the ex entry stage, the government is thinking to initiate land zoning plan. Land zoning project is the first pace to invite policy makers and implementers for ensuring efficient use of land. Countrywide, the project works in rural areas. The metropolitan areas and local municipalities are directed by the Town Improvement Act 1953 and Municipality Act 2009 where the provision for use and development of lands are included. The zoning project works rest of the areas (except Chittagong Hill-Tracts). The zoning process demarks the union and upazilla boundaries based on topographical use of land that instituted from ground truthing and second hand data which included into LGED map and prepare zoning areas. The process considers present use based land and proposes to conserve the remaining areas for efficient use in future so that unplanned use or haphazard degradation may not allowed for the betterment of land owners and environmental sustainability.

Though the land zoning project has been functioning since 2010, it cannot prevent present unplanned use of land due to not formulating policy and their implementation. In charchartala, where the land zoning project completed it tasks, a number of agriculture land were converted to non-agriculture uses by land owners and grabbers. These conversions occurred after the completion of zoning project. But it is alarming that no steps had been taken to prevent these unintended activities.

The zoning process prepares to shape the zoning map in considering land suitability, crop suitability, land class, water suitability, land use etc for the concern area. It does not go for detail observation. Presently, the project works up to union level. It has no scope to go for plot to plot survey or mouza survey for analyzing holistic point of view. Beside these, current GIS map are rare to find for comparing with ground truthing which makes gap between the practical ground truthing and geographical information system. For the actualization of details information the gap sometimes make the process inconsequence.

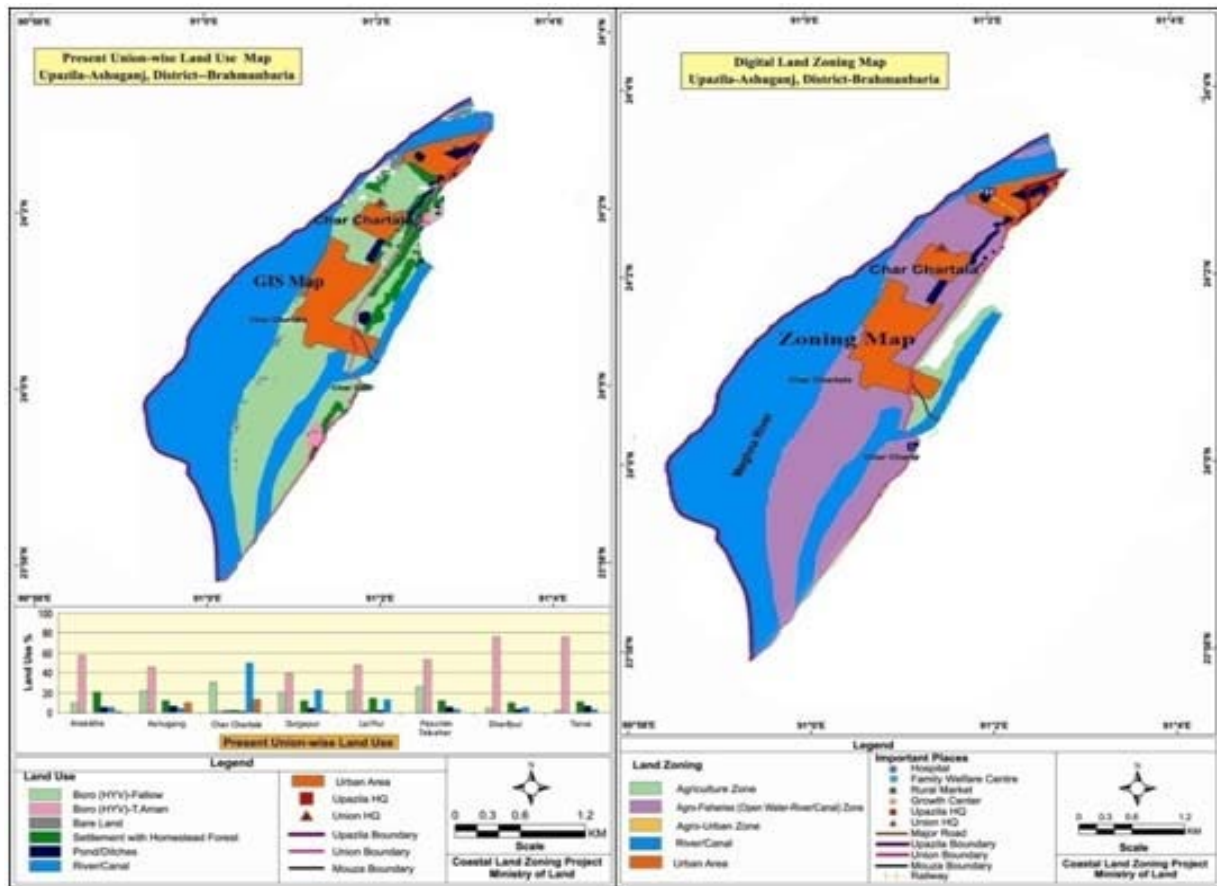
6.2.3 Comparative analysis of land zoning and survey map

During survey, it was found that there are many things to analyze the zoning and survey maps.

6.2.3.1 Faster change of zoning map

Zoning process projected in the study area between the years 2010 and 2011. The zoning map and MIS was completed in 2011. GIS and LGED map used for visualize physiographic features of specific area. During the operation of the project, in respect of land use, the area was belonged to its dynamic character. Continuously, unplanned conversion of land class was the common activities. After a period of three years, the land use pattern changed remarkably (Map-3.2). The converters and agencies did not take into consideration the zoning map for transformation of agriculture land. People are not aware of the zoning map and process. Even though, zoning map and MIS was unable to prevent and protect the devastating alteration of agriculture land to non-agriculture activities. For instance, government acquired 17.31 acre of agriculture land for construction of land port. The acquired land has already transformed to land port (table 1.10 & appendix-3, 4, 5 & 8). These transformed land plots are positioned between GTCL and food storage silo. The area is recognized as agriculture zone in the GIS and zoning map. But, presently, the area is used for port land. Besides these, in the ward 4, 5 and 9, more than thirty acre of agriculture land converted into homestead (apperndix-8). The land use patterns had been changed rapidly for last three years. Due to not formulating sustain policy and their implementation; zoning map cannot remain her stable features. If it continues, the area will convert distinctiveness that will not be possible to control by forthcoming law.

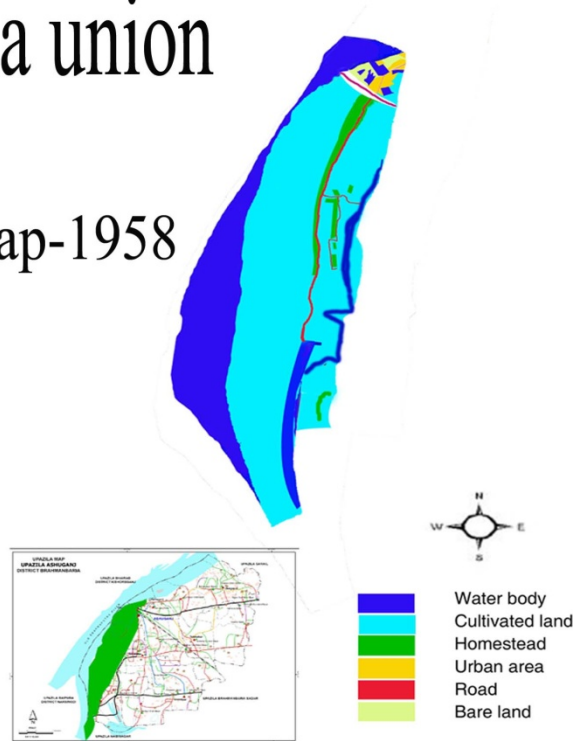
Map-3.2: GIS, land zoning, CS, BS and survey map



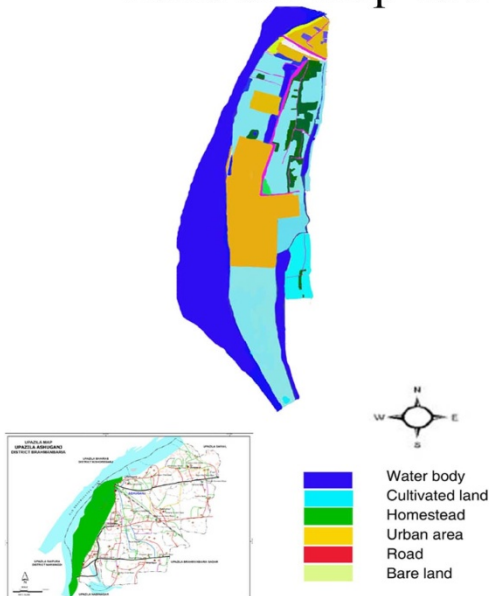
Map-3.3: GIS, land zoning, CS, BS and survey map of charchartala union

Charcartala union

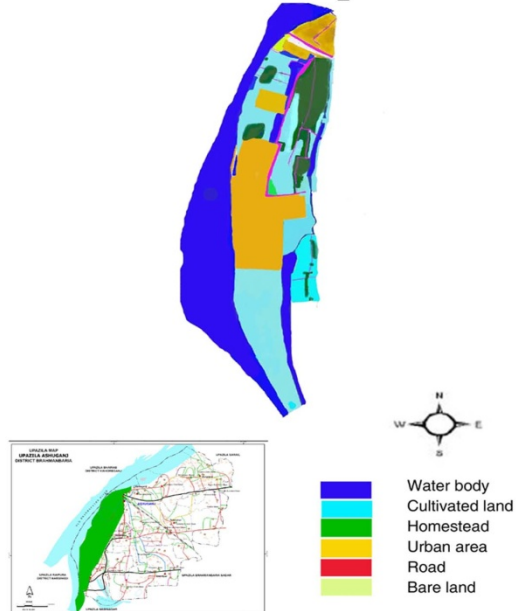
Land use map-1958



Land use map-1995



Land use map-2014



6.2.3.2 Assessment of agro-fisheries zone

Agro-fisheries zone is the diversified combination of agriculture and fisheries activities. According to the survey, 61% of lands are used for agriculture and fisheries purpose. During the rainy season, this area covers with water. The flowing water of river goes over the cultivated land. A large variety of fishes and other aquatic organisms live in the river. Many Riverine fishes expand their living area and easily move to the plain land for their feeding, living, breathing, hatching etc. During rainy season, floras and faunas may create natural ecosystem for sustainable livelihood. But it is a matter of fact that, only 2% of local population are dependents to some extent on fisheries (UFO, 2014) and no fishes to be exported or any numerical figure yet to be found from the area. Statistically, no upwards and downward trend to be figured out of fishing cultivation. On the one hand, no strategy has been taken to make the area as fishing zone. Furthermore, released ammonia gas of fertilizer industry is disfavored of the fishing cultivation. Besides, water bodies like ponds, lakes, ditches, swamps have been decreasing year after year and a small number of fishermen depend on fishing. In addition to say that there is no formal fishing management or fish cultivation system in the area. It was observed that, the eastern part of the union could be used for fish cultivation. This part is unused and no plan be taken to make this area productive. Fisheries sector can play significant role for employment, nutrition and export earnings in the economy of the area.

6.2.3.3 GIS map and in-depth observation

Land zoning map was made without consideration of ground truthing, in-depth observation and examination. Most cases, GIS map converted into zoning map with some rectification. A gap between GIS and land zoning map has been found in the study area. Though, GIS was the preliminary bench mark for preparing zoning map, lack of in-depth observation for practical ground truthing; the zoning map could not demonstrate its solid phase. As a result, notable differentiations have been found between GIS and survey map. For instance, the urban area stands on the north of highway. In GIS and zoning map, a number of ponds and ditches had drawn out in the urban portion. During survey, no water bodies were found in urban area. After BS operation, the water bodies were converted into homestead, commercial and urban uses. It

can be clearly said that the GIS map that used for land zoning project was so old that could not trace out the present sceneries of the area.

6.2.3.4 Mis-interpretation of homestead area

The homestead area of north-eastern portion of the union was missed out in zoning map. The homestead area had shown as cultivated field in the zoning atlas. For instance, the north-eastern corner, ward 1 and 2, from highway to the southern residential area was homestead and the housing pattern of this area was same as the urban area. During survey, this area was identified evidently homestead. Some homestead forestry also found in the area. But the area was imperfectly identified as agriculture zone in the GIS and zoning map.

6.2.3.5 Mis-defining Industrial area

In zoning map, industrial area wrongly defined as urban zone. For example, the area of fertilizer industry, GTCL, food storage silo and land port were zoned and planned for industrial development. This area is located on the edge of river Meghna. It is outside of the urban portion and provided with good transportation access including river, road and rail network. Excepting the residential colony of fertilizer industry, the whole area is roofed with industrial features and functions. In zoning map, the area outlined as urban region (map-4) while the basic characteristics of urbanization for instance social organization, educational institution, human settlement etc was absent in that area. The area can be called as industrial zone.

6.2.3.6 Mis-positioned of water zone

In the eastern side of the union, a long open water body (south to north) of the Meghna River entered into the union that reached to the highway road. The water body is positioned in charchartala union. It is also indicated in the mouza map of CS and BS operation in 1958 and 1995. The shape of water body is as it was and no change takes place on the course of the river during the period. But, in the GIS and zoning map, the northern part of the open water body of eastern Meghna River was wrongly positioned in Arshadia union. As a result, the comparison between field survey and GIS and zoning map takes attention to the policy maker to carry out the zoning process more practical and ground truthing manner.

6.2.3.7 Lack of holistic view

The zoning process couldn't apply the homeostatic approach. Under the limited view point, the process didn't cognize incremental adjustment through addition, subtraction or correction in consultation with expertise, local stakeholders, professionals etc. Even, the number of seminar, workshop and meeting in district level were so limited that couldn't build up awareness to land users and owners. Likely, no meeting or workshop carried out in the execution area especially the village, union and upazilla level for building awareness among the land owners. The zoning process couldn't able to stop the illegal encroachers on land and fail to invite land developers, grabbers and illegal occupier into the process. The zoning project doesn't cover holistic techniques that could make it more prolific and sustainable for further policy formulation. On the other hand, ignoring socio-economic condition, environment, demography, people's perception, experts and professional's engagement, the process couldn't able to figure out the holism for its sustainability.

6.2.3.8 Synchronization and diachronization

Synchronization refers to the facts of living system as it exists at one point in time without reference to its history. The GIS and zoning procedure don't consider the chronology of historical land use and their change over time that could be built a historical physiography of land and her uses. On the other hand, diachronization includes and uses of a phenomenon as it changes through time. The survey report tries to figure out the diachronization by addressing three periodical land use and types.

6.2.3.9 Zoning process avoided urban area

Countrywide, the land zoning project skipped urban areas, municipalities, metropolitan areas, the area that has already changed its structure and the capital city of Bangladesh. The urban metropolitan area is directed by the Town Improvement Act. For the urban metropolitan area, the detailed are plan (DAP) doesn't work for various constraints. Likewise, municipalities are controlled by the municipality act. Chittagong Hill Tract is governed by the local customary laws. Without considering the severity of urban area and their impact on population and other

socio-economic circumstance the land zoning project partly initiated the process for the country which may not create effective result for the sustainable land use planning for the country.

Chapter 7: Compulsory Efficient Use of Land (CEUL) model

Introduction

Compulsory Efficient Use of Land (CEUL) model is a tool for optimum land use and planned zoning in Bangladesh. The CEUL model may help the government to her land use for sustainable development. The CEUL provides a new guideline on multipurpose land zoning system through efficient use by utilizing systematic tools, techniques, information, technology and finally governance. The CEUL model can be used as a implementing tool of public policy in order to regulate land use in an efficient and ethical way, thus preserving agriculture land, planning land use, maintaining ecosystem and preventing land-use conflicts. The government may use CEUL model to manage the development of land. In doing so, the government can plan for the needs of the society while developing land, safeguarding ecosystem and natural resources. It is the systematic assessment of land, forest, homestead, resident and water potential, alternatives for land use, and economic and social aspect in order to select and adopt the best land-use options. The CEUL may provide a vision for the future possibilities of development in urban and rural area of this country. The CEUL model may influences the scientific, rational, planned and orderly disposition of land, resources with a view to securing the natural, environmental, physiographical, economical and social efficiency well-being of urban and rural communities in Bangladesh.

7.2 Significance of the CEUL model

Scarce land and the rapid increase of population of the country are creating high pressure over land-man ratio. The governmental land use policy has no punitive measure to control the situation. As a result, unplanned and spills out jumbled of cultivable land throughout the country makes terrible condition. Land management, settlement and registration are governed by the public sector of Bangladesh. The government does not keep position for second (NGO) and third (civil society) sector for managing land governance. The government didn't take any initiative to control unplanned land use and land degradation. Though, coastal land zoning policy enacted for the best utilization of coastal land and water for sustainable living and environmental protection in the coastal area, it did not see the sunlight due to lack of compulsion, punitive measure and integration. Beside this, a number of policies were acted out by the government since long, but their implementation and output is not up to the mark. Without commitment, integration,

inclusiveness and compulsion of the policy process among governmental agencies it is impossible to shape the country sustainable land use. After realization of all foggy activities, in considering the country's safeguard and hers people's potential, it is crying need to take initiatives for compulsion efficient use of land(CEUL). In these circumstances, it is important to impose a compatible compulsory efficient use of land (CEUL) system for establishing planned land use for the country.

7.3 Description of the CEUL model

The CEUL is a set of governing tools that depicts how the present unplanned land use pattern can be transformed into designed land use manner (DLUM) with efficient way for optimum gain. The model is most accountable and feasible systematic approach for planning and developing an up-to-date land use system for overpopulated country like Bangladesh. The model is related to various qualitative and quantitative aspects of land resources. The CEUL model includes four major layers (Figure-2.12) that are structuring and need analysis, piloting, policy formulation and governing the process. Compulsory Efficient Use of Land (CEUL) is defined as collection of land use data and analysis with relation to GIS, LGED and Mouza map towards a management information system (MIS) for obligatory designed plan and policy formulation for competent land use. When MIS with policy formulation and implementation will be governed compulsorily for all, it will term as Compulsory Efficient Use of Land (CEUL). First of all, under the umbrella of land ministry, for structuring the model, CEUL application involves digital survey methods by DGLR, geographic information system (GIS) by SRDI and plot to plot survey by district land administration & management department (Figure: 2.13). The digital survey (DS) and plot to plot survey (PPS) based on ground truthing while the GIS based on current satellite images will be adopted. Completion of these three operations would provide inclusive draft geodetic maps and information system. Gap analysis, blending three maps and IS combined into one makes a mingling shape of geodetic map and MIS. After that the drafted maps and MIS displays before public space for hearing, editing, correcting, modifying and finalizing. Then the final maps and MIS would preserve centrally for inclusive geodetic map, networking, using, policy formulating and so on. In consideration and prioritization of saving cultivable land and natural resources, an efficient design should be adopted for housing, infrastructure, market, office, institution, water bodies etc where cultivable land will not use.

Figure 2.12: 'Compulsory Efficient Use of Land' (CEUL) model

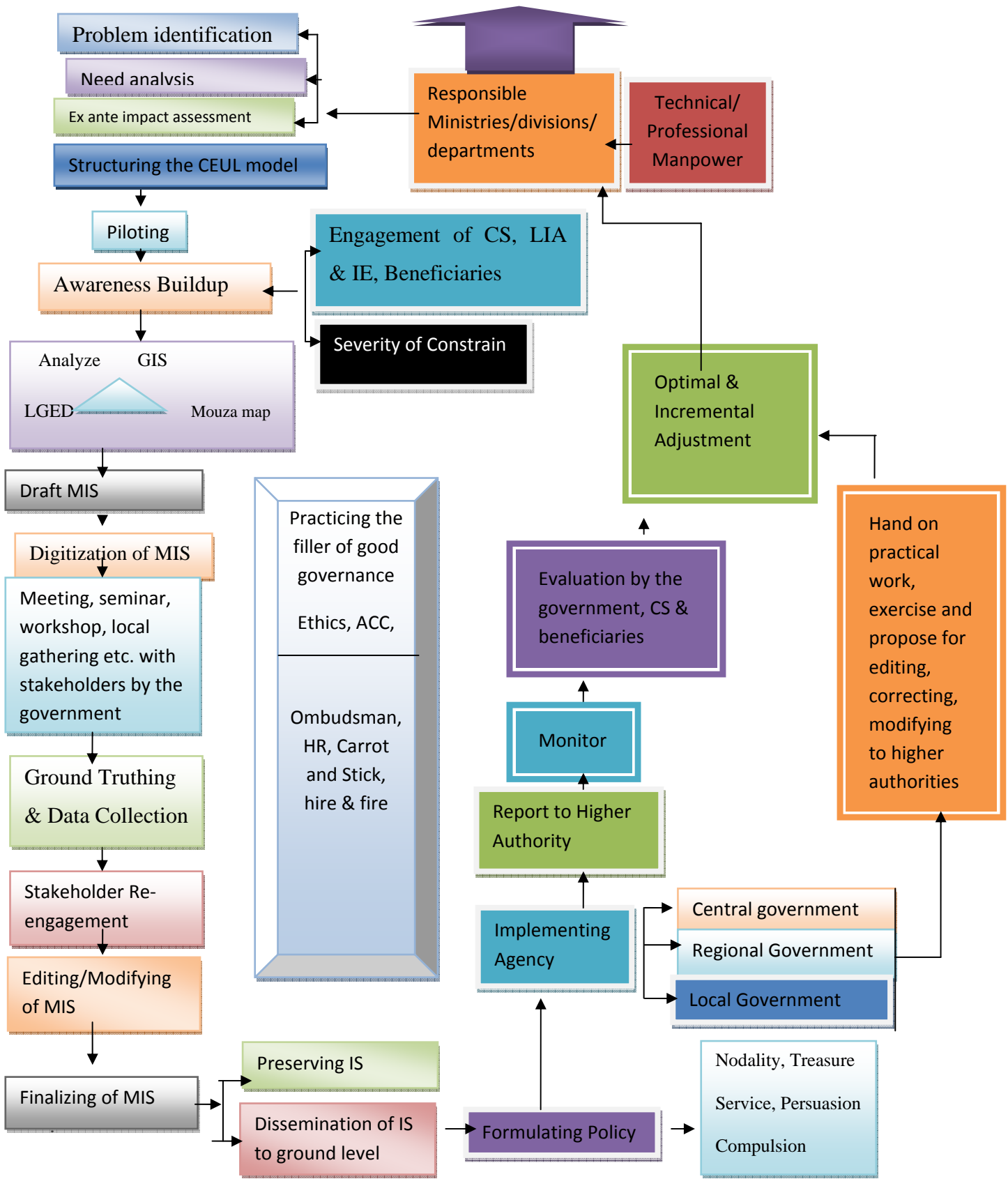
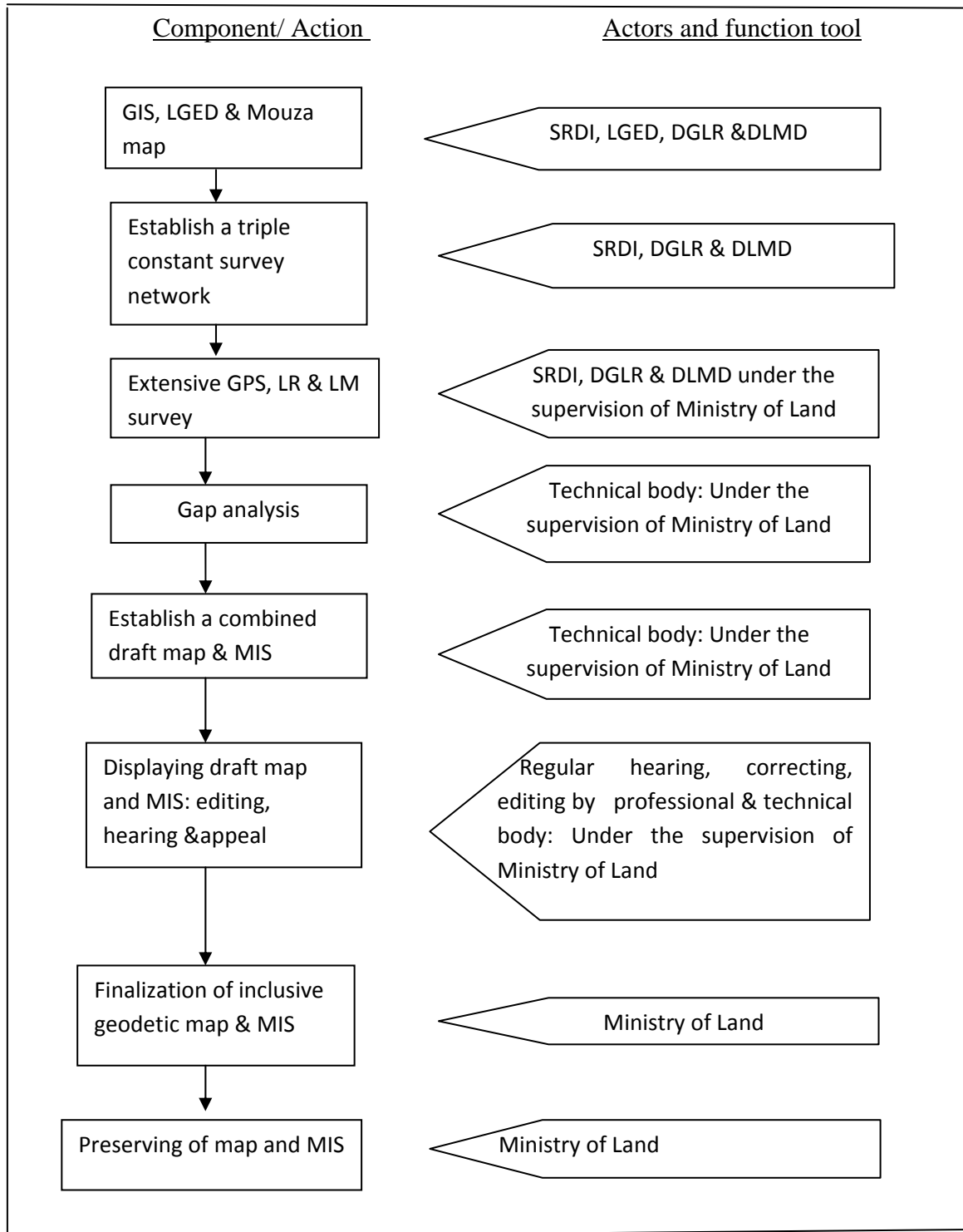


Figure 2.13: Steps for Structuring of CEUL map and MIS



Sources: Developed by Author, 2014

The design should be permanent and obligatory for all beneficiaries where punitive measure included. Secondly, the government will carry on a piloting selecting the suitable area for a period of time and analyze its each smallest-unit for further strategy whether it to be continued or not. Thirdly, depending on piloting, the government will formulate a countrywide policy for its compulsory implementation. In every steps of the process, the government must maintain good governance and ethical code of conducts

7.4 Identification of problem

The ministry of land is the sole authority to provide land related services to land owners, public and private agencies. Since, the population growth has been increasing and the land remaining unchanged. Besides, the use of cultivated and other land is declining and converting to other planned or unplanned use and government has no ownership right to control the land use of private property, it is high time and esteem need to think about the matter; otherwise, once people of this country will suffer for their livings, breathing and feeding. In clarifying the real sceneries of Bangladesh, the government, first of all, will identify the problem and explain it's from every corner. Beside this, government must prioritize the issue in her policies for the benefit of much people and their future generation.

7.5 Need analysis

Needs analysis is defined as a formal process focus on how a system or model addresses the needs of much people. Need analysis of CEUL will not only use as tool, but also will be considered a valuable analytical technique to better gauge the acceptability of the model to much people. Since the main purpose of the CEUL needs analysis is the land owner's satisfaction and nation's urgency, it will focus on the goal and aspiration of rural people. It is said that the main occupation of the population of Bangladesh is agriculture that provides us agricultural goods, living means and factors of production. Cultivable land and riverine water is the important sources of human living means. So, the degradation and declining nature of land is not considerable to her inhabitants. Restoring and utilizing the cultivable land with efficient manner is the essence of country's people. It is also stated that the main occupation is not transformed into other until alternative sources of living means developed, so we cannot think to decrease the use of agricultural land.

7.6 Ex ante impact assessment

Impact assessment of the CEUL will be used as a relatively tools for decision making that involving a standardized set of procedures designed to evaluate the prospective impacts a planned measure on land use, benefits etc. It should be deemed too great to justify a particular area. Impact assessment will be typically located at the center of the most contentious public policy decisions, involving difficult tradeoffs between nature, society and economy. What are the cumulative social and economic impacts from a new system, and do the people in the local area have to tolerate the negative effects for the economic benefit of the rural area as a whole? What kind of preventive measures are needed before the new system develop becomes acceptable to the vulnerable people? The results of IAs are often challenged in court and, even if this is not the case. IAs will provide starting points rather than final answers or solutions to contentious public policy debates. For the betterment of the inhabitants of Bangladesh, it is essential to analyze the present value of land utilization and her impacts in the socio-economic and environmental concern. With considering the present value and impact, the future impact assessment tools like cost benefit analysis, SWOT analysis, value chain methods, IRR, value for money, EIA, sustainability etc. need to be considered by the government.

7.7 Analyze the GIS, LGED and mouza map

Gap analysis compare actual model performance with ideal performance, will be used in conjunction with needs analysis to make best potential use of the model. It will try to fill the gap between where the system is, and where it aims to be. The GIS map (which explain the present land use pattern for a specific area), LGED map (which explain the geographic structure of an area with details including matter) and mouza map (which explain the land class, scheduled, ownership etc) will analyze for conjunction of efficient land use and finding gap for further steps. By filling up gaps will make a unique standard map for planning and zoning.

7.8 Piloting

A pilot experiment is a small scale preliminary study that will be conducted in order to evaluate feasibility, time, cost and unfavorable events of the CEUL model for predicting appropriation and improving upon the design for full-scale project. In this stage government will conduct a pilot project in a specific area where every character of land use is available to examine and information is at hand to clarify the system. During piloting, the government will examine from

each corner of the project. Government will find weakness and positive site of the project for its further action.

7.9 Awareness buildup

Public awareness can be part of CEUL approach to prevent unplanned land use and to protect agriculture land. From building awareness it is an opportunity to share resources and information on and educating the public and creating rural to urban community support and partnerships to prevent and protect agriculture land. The system will implement for people need to inform them and invite into the process. Second sector (private organization) and third sector (NGO), local stakeholders, land owners, national and international expertise, professional bodies, advocates, member of law and enforcement agencies, security forces, intelligences, beneficiaries need to adjust with the system so that the system can be more participatory to make it sustained and people oriented. During the people and professional participation, the good and bad effect of the system needs to analyze for its acceptability to the people. Social media networks can be a key avenue for sharing messages and educating the public about the importance of efficient land use management.

7.10 Draft MIS

A management information system (MIS) will prepare to preserve and to provide information efficient and effective way using digital device by government procedures. After figuring out of different types of map and information, a consolidated draft digital map with latest reliable information system need to make for the primary shape of the system. This map and information will use as primary facts and pillar of the MIS system. From different segment of the MIS, it will use as the networking tool among various component and also consolidate the information together. The information will be used to analyze and facilitate strategic and operational activities of the system. Compilation of information for the system from a wide range of sources to support problem solving and decision making will bring they whole system together and competent. It will be used as a reporting tool that provides quick access to summarized reports coming from all levels such as local, urban sectors.

7.11 Stakeholder's engagement

In this stage, stakeholder engagement need into all the stage of the MIS by which government involves different types of people who may be affected by the processes it makes or can influence the implementation of its decisions. They may support or oppose the decisions. A number of meeting, seminar, workshop, public gathering need to conduct during any period of the system where all types of stakeholders, civil society, land specialists, land owners, professional bodies may attend to make it more fruitful and effective.

7.12 Ground truthing

Ground truthing refers to information collected on location. Ground truth allows image or statistical data to be related to real features and materials on the ground. It helps to determine the accuracy of the information, map and other secondary information. In this ground truthing stage, the government with the assist of professional and technical hands will collect data from field and with the help of satellite images.

7.13 Stakeholder's reengagement

For the purpose of redefine the MIS process, after gathering data and images from the ground level, the rearrangement of stakeholders including civil society will fill up the gap between governmental procedure and public acceptance.

7.14 Editing/Modifying and Finalizing of MIS

After engagement of stakeholders in the MIS process, by their suggestion and recommendations may be supplement some modification with addition and subtraction of the system that will make the system more reliable and holism. With a view to making a management information system of the process, the gathering data need to be finalized for preserving and dissemination of them into a public and private spare.

7.15 Preserving and disseminating IS

All data should be stored in a centralize process with the technical support of professional body so that during the need that can be collected or used as an informative tools for the construction of the process. For the awareness build up, from central to local community, the MIS should be

disseminated through scattering, advertizing, announcement, broadcasting, publishing to the public. MIS should be digitalized and accessible to all for knowing and updating information.

7.16 Policy formulation

After finishing the piloting with MIS and public awareness and their acceptance into the model, and the active fruitful technological support the project achieved its goal and aspiration, the government will consider for administrative mechanisms, means policy formulation, that will be arranged to reach explicit goals. In the process of policy formulation, national and international think tank, professional bodies, technical hand, specialists, elected and appointed officials, research organizations, law enforcing agencies, intelligence, interest group, public representatives, media etc. should be engaged for accepting their valuable suggestions and analysis. After that, the policy should be executed in the ground level with different layer like regional, local central etc with implementing authorities. The implementing authority should be formed participating special agencies whose must have technical knowledge, authority to handle the system etc. There should be a supreme authority for taking contingency of subordinate responsibilities. Close monitoring and evaluation system should be ensured the better performance and gap analysis between the ideal policy and practical implementation. In considering the public thinking, practical procedure, time and innovation, technology, globalization and so on, the policy should be modified with optimal adjustment or incremental adjustment by the government. During the implementation, nodality, treasures, persuasion and services must be ensured to make the system functional and fruitful. The policy should be compulsion for all so that nobody can avoid, skip or violate it for a single motive and no evil motive can compel to make it inactive. Punitive measure for violating role must be complied for stopping the severity of unplanned land use, remaining cultivable land water and forest as well as environmental sustainability.

7.17 Ethical code of conduct

The pillar of good governance accountability, transparency, responsive, participatory, rule of law, effective and efficiency, equitable and inclusiveness features must be followed to run the CEUL model more fruitful and sustainable. The process of implementation may be hampered by unethical evil motives and for these zero tolerance will be played in the whole process. The

implementing authority must face the supreme authority and criminal court for their misdeeds and evil activities. Some other punitive measures should be taken to punish them if found any engagement in the illegal process or activities. Besides, governmental autonomous body like ombudsman, Anti Corruption Commission, constitutional bodies may take necessary action against the authority or persons if found any engagement with malfeasance responses.

7.18 Future use of the CEUL

The CEUL is a model that allows people to test the probable impacts of changes in unplanned land-use to compulsory efficient use, thereby providing policy makers with a way to assess the impact for policy/regulatory changes on the competent use of land. It may and should also be used to set goals for future land use efficiency and to monitor progress over time. It may use every specific region, district, Upazila, union and village level without declining agriculture land using in a planned way so that the people and environment would not go beyond of acceptance of human being as well as the government. . It may also be extended to other issues related to land use, such as environmental planning, watershed analysis, brown field redevelopment, or the management of public utilities.

Chapter 8: Recommendations

In order to ensure efficient and planned land use for saving agriculture land, forest area and water from human and natural interventions, some fundamental planning and policy are necessary. In this regard the following recommendations need.

Implementation of CEUL model

The whole country can be incorporated in the CEUL model with the active participation of first, second and third sector through digitization of land maps and management information system towards formulating policy. The policy maker may consider the structure and detailed work (Figure-2.12) of the model. After enacting the planned land use policy, the compulsory imposition may be ensured to stopping haphazard land utilization in every spare of this country. The CEUL model may save cultivated land, forestry and natural open water from unplanned utilization. The CEUL model may be used as implementing instrument of public policy in order to regulate land use in an efficient way.

Zoning policy

It is high time to formulate a zoning law for the agrarian based country like Bangladesh. Village should be the unit for implementing land use zoning policy. After preparation and approval of zoning map, nobody will be allowed to change without specific purpose and prior permission from the central government. Zoning map prepared by the land ministry, local government institution must follow as implementing agencies. For the implementation of zoning map and MIS, local government must strengthen by knowledge, skill and commitment.

Use based zoning of land

The local government institutions, like city corporations, municipalities, and Upazila porishod should be entrusted with the duties and responsibilities with policy. Zoning policy must be implemented effectively by the local government. No changes should be made in the zoning maps unless approved by competent authority. However, in unavoidable circumstances, the authority may consider for transformation of land class.

Restriction of arable land

Existing arable land, as far as possible, should be restricted and not used for other purpose. Policy should be made for use of cultivable land for nonagricultural purpose. Recourse against the violator must be mentioned mandatorily in the policy.

Vertical use of land

In most cases, land owners, purchasers etc construct their homestead horizontally in Bangladesh that is miserable for declining of arable land, environment and clumsy picture. Once the land converted to others will not possible to return earlier features. In these cases, the compulsory of vertical land use pattern can be remaining the cultivated land from declining and degradation. Subdivision of holdings and plots should be restricted to a reasonable limit for mechanization of agricultural farming for productivity. Zoning policy including CEUL model may assist to rectify the presence horizontal system to vertical use.

Optimum use of land resource

Everywhere in the country residential, commercial, industrial, tourism and infrastructure etc purposes excess lands are used whether optimum land use can make all the development aspect more efficient. Optimum and planning use can ensure to utilize all unused land in Bangladesh.

Economy of land acquisition

In most cases, while going for acquisition of land for development projects and other activities, the amount of land required for the purpose is not determined with austerity. Consequently, a large amount of acquisitive land has become useless for cultivation. The unplanned use and misuse of the acquisitioned land is also quite common. Huge portion of land acquisitioned at various times for different development projects is now left either unused or is used for unproductive purposes. To evade these cases, fertile cultivable should be avoided for construction of roads and highways and implementation of other development projects. Minimum requirement of land should be determined before an acquisition proposal for any development project is submitted.

Designed homestead

Construction of designed homestead and multi-storied buildings should be encouraged both in rural and urban areas in view of the optimum utilization of land for the purpose of housing. Construction of model houses in rural areas should be encouraged

Conservation of forest

The areas once declared as forests by the authority should be preserved forever. Initiatives should be taken for proper maintenance, preservation, and extension of existing forest areas. Programs should be taken for effective preservation of afforestation. Planned agro-forestry would let households manage land according to their particular needs for food, fuel, livestock and other resources.

Preservation of water bodies

Existing water bodies must be preserved and should not be filled up. The responsibility of preservation, maintenance, and re-excavation should lie on the individual owners in case of privately owned ponds/tanks. In the case of large water bodies like rivers, canals, lakes, haors, baors, etc. this responsibility should be on the government and the users. All these water bodies should be properly utilized for fish culture scientifically.

Digitization of whole process

For the best and planned use of land and her resources, the digitization of land information with graphical presentation is the demand of time of country's people. The digital information can make the whole system more simple and easy to receive service from government.

Good governance

All activities with good governance can ensure the people's satisfaction and social justice. In activation every process without good governance, the system will come into vein and go to astray and thus society will not be benefited.

Punitive measure

In the policy, there should be a provision for the violators. All activities should be evaluated and judged by public account committee, internal external auditors, ACC, ombudsman, court, government bodies and so on.

Inter agencies cooperation

Inter-agencies cooperation and coordination should be obliged to make the policy implementation process more effective and fruitful.

Awareness building

To make the land use system more plan wise, the dissemination of information into ground level is important to aware the local beneficiaries as well as engagement of civil societies, NGO's, professional bodies and other agencies.

Strategic plan

The government can make plan to continue the policy for a certain period until its output and outcome. After that, government can modify or make incremental adjustment for its sustainability.

Politics

The political will can make the system more fruitful. Visionary political leadership can only ensure such people centric and commitment oriented plan for the development of Bangladesh.

Conclusion

Land is more vulnerable natural resource and it is easily affected human factors. Land misuse and mismanagement can be derived from human factors in many ways. The contamination, destruction and reduction of land affect on her character, structure, quality and capacity. The current land use guiding principle of Bangladesh is unable to conduct the increasing demand. National land zoning project is a tool for initiating and implementing the planned use of land. For assessing the land to its best possible use, the core aims of the project is to prepare digital zoning map and to develop land zoning data base and management information system that will prevent land degradation, preserve and protect eco-system and reduce land conflict. Though the land zoning project has been carrying out since 2010, it cannot stop present unplanned use of land due to not formulating policy and their implementation. Beside this, the project doesn't work from holistic view point. As a result, various gaps between real grounding and documentation of the MIS of the project have been identified from the study. With this end, for the sustainable and planned development of land use system of Bangladesh, country wide, it is essential to formulate a holistic approach. Compatible and efficient use of land is inevitable for Bangladesh. Compulsory Efficient Use of Land (CEUL) is the realistic methods for escalating ample land use for sustainable development of Bangladesh.

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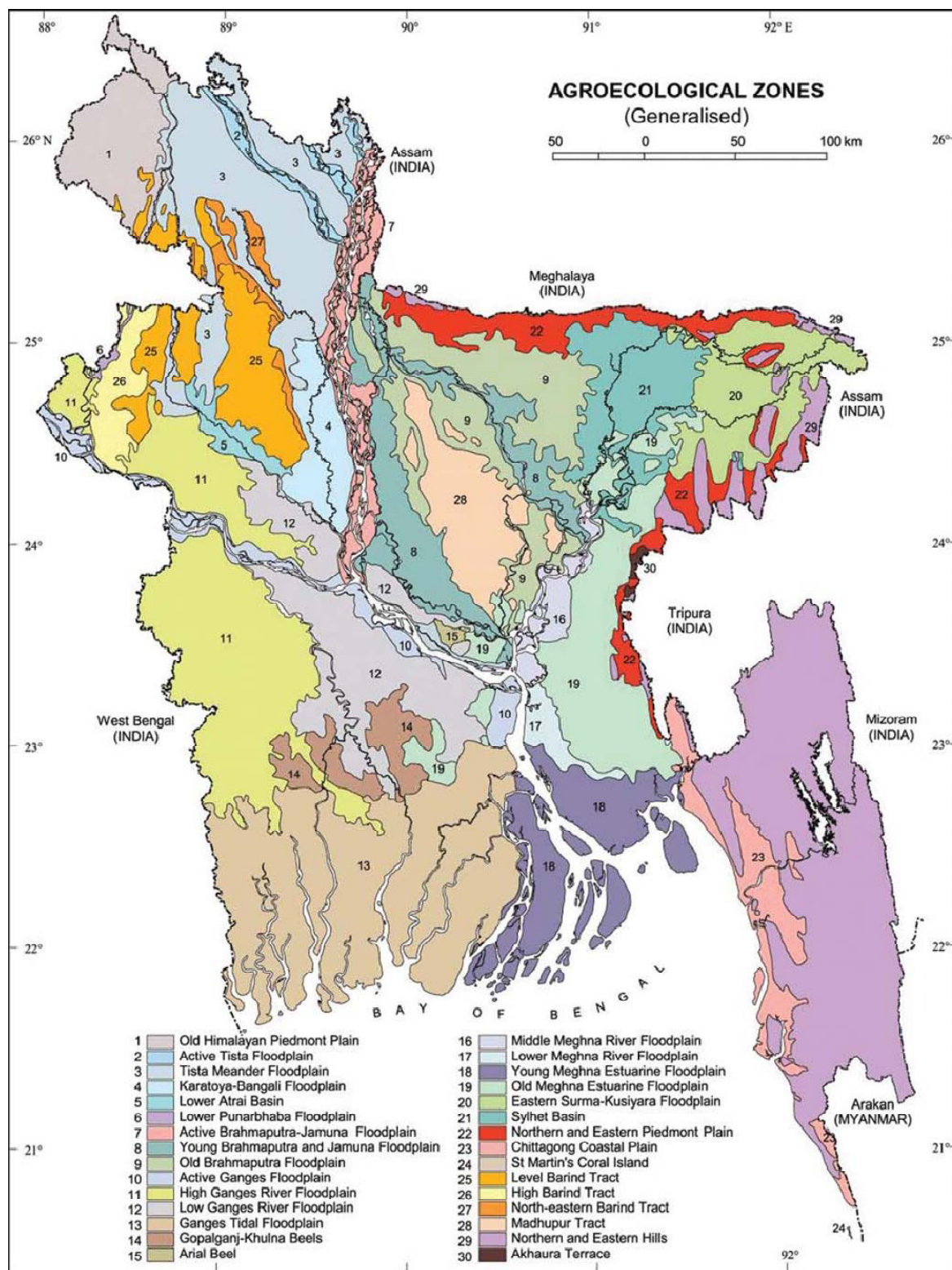
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Appendix-1: Agro-ecological zone of Bangladesh



Appendix-2

**District: Brahmanbaria, Upazila: Asuganj, Union: Char Chartala, Mouza: Char Chartala
Plot no 01-9068**

Cadastral Survey (CS Operation: 1957-1958)			Bangladesh Survey (BS Operation: 1995)			Survey Report,2014		
Plot no	Land Class	Total land (Acre)	Plot no	Land Class	Total land (Acre)	Land Class	Total land (Acre)	Remark
15,331,3317,3807	River(G)	157.120	1	River(G)	157.12	River(G)	157.12	
3132,3249,3254,3262	Cultivable land	16.2400	2	Highways	16.24	Highways	16.24	
3342, 3940	Cultivable land	7.6000	3	Railways	7.60	Railways	7.60	
34,35,36,37,38,41	Cultivable land	29.9400	4	Railways	29.94	Railways	29.94	
43,35,36,37,38,41	Cultivable land	2.8800	5	Bare land	2.88	Bare land of silo	2.88	
3801,3802, 3804,3805	Cultivable land	21.7800	7	Bare land	21.78	Bare land	21.78	
3805	Cultivable land	1.8400	8	Bare land	1.84	Bare land	1.84	
3806	Cultivable land	1.0000	9	Cultivable Land	1.00	Homestead	1.00	
3806	Cultivable land	1.3700	10	Cultivable Land	1.37	Homestead	1.37	
16,3807	Cultivable land	1.3500	11	Cultivable Land	1.35	Homestead	1.35	
431/3806	Cultivable land	0.6500	12	Bare land	0.65	Homestead	0.65	
431, 3806, 3807	Cultivable land	1.0600	13	Cultivable Land	1.06	Homestead	1.06	Proposed Land Port
431,3807,3808	Cultivable land	1.1200	14	Cultivable Land	1.12	Homestead	1.12	
3806,3807	Cultivable land	0.0900	15	Cultivable Land	0.09	Homestead	0.09	
3806,3807	Cultivable land	0.5500	16	Cultivable Land	0.55	Homestead	0.55	
14,33,3501	Bare land	0.7500	17	Bare land	0.75	Homestead	0.75	
3314/3501	Bare land	0.7900	18	Rice mill Poultry farm	0.43 0.26	Rice mill Poultry farm	0.79	
3314/3501	Cultivable land	0.4200	19	Cultivable Land	0.42	Homestead	0.42	
3501	Cultivable land	0.4100	20	Cultivable Land	0.41	Homestead	0.41	
3314	Cultivable land	0.6400	21	Homestead	0.64	Homestead	0.64	
3314/3501	Cultivable land	0.6900	22	Poultry farm	0.69	Poultry farm	0.69	
3314/3501	Cultivable land	0.3200	23	Ditch (N. Juli)	0.32	Homestead	0.32	
3325,3502	Cultivable land	0.4200	24	Bare land	0.420	Homestead	0.420	
3315/3502	Cultivable land	0.7200	25	Poultry farm	0.72	Poultry farm	0.72	
3315/3502	Bare land	0.5300	26	Bare land	0.53	Homestead	0.53	
3315/3502	Bare land	0.5700	27	Poultry farm	0.57	Poultry farm	0.57	
3317/3504	Bare land	1.0000	28	Homestead Rice mill	0.20 0.80	Homestead Rice mill	0.20 0.80	
315,416,423,945, 976,1352, 1404,1623,1831	Bare land	0.6100	29	Homestead	0.61	Homestead	0.61	
3315/3502	Cultivable land	0.2200	30	Homestead	0.22	Homestead	0.22	
3315/3502	Cultivable land	0.1900	31	Homestead	0.19	Homestead	0.19	
3315	Cultivable land	0.1300	32	Homestead	0.13	Homestead	0.13	
3314/3501	Cultivable land	0.1600	33	Homestead	0.16	Homestead	0.16	
3314	Cultivable land	0.4800	34	Cultivable Land	0.48	Homestead	0.48	
3315	Cultivable land	0.2200	35	Cultivable Land	0.22	Homestead	0.22	
3314,3315	Cultivable land	0.0700	36	Cultivable Land	0.07	Homestead	0.07	
3315,3316	Cultivable land	0.4000	37	Cultivable Land	0.40	Homestead	0.40	
3315,3316	Cultivable land	0.1000	38	Cultivable Land	0.10	Homestead	0.10	
3315,3316	Cultivable land	0.9300	39	Cultivable Land	0.93	Pond	0.93	
316	Cultivable land	0.0500	40	Homestead	0.05	Homestead	0.05	
440	Cultivable land	0.1500	41	Cultivable Land	0.15	Homestead	0.15	
3317,3318	Cultivable land	0.4000	42	Homestead	0.40	Homestead	0.40	
3319	Cultivable land	0.4300	43	Cultivable Land	0.43	Homestead	0.43	
3319	Cultivable land	0.1600	44	Cultivable Land	0.16	Homestead	0.16	
3318	Cultivable land	0.15000	45	Cultivable Land	0.15	Homestead	0.15	
439	Cultivable land	0.0600	46	Cultivable Land	0.06	Homestead	0.06	
3316	Cultivable land	0.0300	47	Cultivable Land	0.03	Homestead	0.03	

3317,437	Cultivable land	0.3200	48	Cultivable Land	0.32	Homestead	0.32	
3318	Cultivable land	0.4400	49	Cultivable Land	0.44	Homestead	0.44	
3319,441	Cultivable land	0.3000	50	Cultivable Land	0.30	Homestead	0.30	
441	Cultivable land	0.3500	51	Cultivable Land	0.35	Homestead	0.35	
440,441	Cultivable land	0.1600	52	Cultivable Land	0.16	Homestead	0.16	
437	Cultivable land	0.1000	53	Fallow	0.10	Homestead	0.10	
440	Cultivable land	0.0700	54	Homestead	0.07	Homestead	0.07	
441	Cultivable land	0.5500	55	Homestead	0.55	Homestead	0.55	
442	Cultivable land	0.0700	56	Homestead	0.07	Homestead	0.07	
442	Cultivable land	0.0900	57	Homestead	0.09	Homestead	0.09	
442	Cultivable land	0.0800	58	Homestead	0.08	Homestead	0.08	
442	Cultivable land	0.0800	59	Homestead	0.08	Homestead	0.08	
439	Cultivable land	0.11000	60	Homestead	0.11	Homestead	0.11	
439	Cultivable land	0.0700	61	Homestead	0.07	Homestead	0.07	
438	Cultivable land	0.1000	62	Homestead	0.10	Homestead	0.10	
438	Cultivable land	0.0400	63	Homestead	0.04	Homestead	0.04	
435/3153	Cultivable land	0.3000	64	Homestead	0.30	Homestead	0.30	
434,435	Cultivable land	0.3900	65	Homestead	0.39	Homestead	0.39	
433,434	Cultivable land	0.4900	66	Homestead	0.49	Homestead	0.49	
436	Cultivable land	0.2200	67	N juli	0.22	N juli	0.22	
436	Cultivable land	0.8200	68	Ditch	0.82	Pond	0.82	
437	Cultivable land	0.0900	69	Homestead	0.09	Homestead	0.09	
434/3153	Cultivable land	1.4300	70	Ditch	1.43	Pond	1.43	
436	Cultivable land	0.1900	71	Cultivable Land	0.19	Homestead	0.19	
436	Cultivable land	0.6500	72	Cultivable Land	0.65	Homestead	0.65	
436	Cultivable land	0.8300	73	Cultivable Land	0.83	Homestead	0.83	
432,3314	Cultivable land	0.1800	74	Cultivable Land	0.18	Homestead	0.18	
3314	Cultivable land	0.6100	75	Cultivable Land	0.61	Homestead	0.61	
432,433	Cultivable land	0.8900	76	Cultivable Land	0.89	Homestead	0.89	
3314,432	Cultivable land	0.3500	77	Cultivable Land	0.35	Homestead	0.35	
3314	Cultivable land	0.2400	78	Cultivable Land	0.24	Homestead	0.24	
3314	Cultivable land	0.1200	79	Cultivable Land	0.12	Homestead	0.12	
3314	Cultivable land	0.2100	80	Cultivable Land	0.21	Homestead	0.21	
432	Cultivable land	0.1200	81	Cultivable Land	0.12	Homestead	0.12	
432,433	Cultivable land	0.3200	82	Cultivable Land	0.32	Homestead	0.32	
432,433	Cultivable land	0.3400	83	Cultivable Land	0.34	Homestead	0.34	
3314	Cultivable land	0.2300	84	Cultivable Land	0.23	Homestead	0.23	
3314	Cultivable land	0.1900	85	Cultivable Land	0.19	Homestead	0.19	
432,433	Cultivable land	0.4500	86	Cultivable Land	0.45	Homestead	0.45	
433,431	Cultivable land	0.6700	87	Homestead	0.67	Homestead	0.67	
3314	Cultivable land	0.3200	88	Cultivable Land	0.32	Homestead	0.32	
3806	Cultivable land	0.0800	89	Homestead	0.08	Homestead	0.08	
431	Cultivable land	0.5100	90	Cultivable Land	0.51	Homestead	0.51	
431	Cultivable land	0.2200	91	Cultivable Land	0.22	Homestead	0.22	
431	Cultivable land	0.0300	92	Cultivable Land	0.03	Homestead	0.03	
431	Cultivable land	0.0300	93	Cultivable Land	0.03	Homestead	0.03	
431	Cultivable land	0.1900	94	Cultivable Land	0.19	Homestead	0.19	
431	Cultivable land	0.4400	95	Cultivable Land	0.44	Homestead	0.44	
431	Cultivable land	0.1100	96	Cultivable Land	0.11	Homestead	0.11	
431	Cultivable land	0.6200	97	Cultivable Land	0.62	Homestead	0.62	
431	Cultivable land	0.2600	98	Cultivable Land	0.26	Homestead	0.26	
429,430	Cultivable land	0.2700	99	Ditch	0.27	Ditch	0.27	
431,428	Cultivable land	0.2800	100	Cultivable Land	0.28	Ditch	0.28	
3806	Cultivable land	0.6200	101	Cultivable Land	0.62	Ditch	0.62	
427,428	Cultivable land	2.8300	102	Silo	2.83	Silo	2.83	Governme nt Food Storage Silo
427,428	Cultivable land	3.2900	103	Silo	3.29	Silo	3.29	
413,415	Cultivable land	15.5400	104	Silo	15.54	Silo	15.54	
409,410	Cultivable land	2.3200	105	Pond	2.32	Pond	2.32	
15	Fallow	2.6900	106	Silo	2.69	Silo	2.69	
15	Fallow	0.2000	1/106	Silo	0.20	Silo	0.20	
18,48,49,3417	Pond	1.9300	301	Ditch	1.93	SNB	1.93	Saiyad Nazrul Islam
18,48,49,3417	Bare land	0.1200	302	Road	0.12	SNB	0.12	
3449	Bare land	0.0200	303	Shop	0.02	SNB	0.02	

3495	Bare land	0.0100	304	Storehouse	0.01	SNB	0.01	Bridge (SNB)
3495	Bare land	0.0100	305	Storehouse	0.01	SNB	0.01	
3495	Bare land	0.0200	306	Storehouse	0.02	SNB	0.02	
3495	Bare land	0.0200	307	Storehouse	0.02	SNB	0.02	
3495	Bare land	0.0860	308	Storehouse	0.086	SNB	0.086	
3495	Bare land	0.0860	309	Storehouse	0.086	SNB	0.086	
3495	Bare land	0.0140	310	Storehouse	0.014	SNB	0.014	
3495	Bare land	0.0113	311	Storehouse	0.0113	SNB	0.0113	
3495	Bare land	0.0071	312	Road(G)	0.0071	SNB	0.0071	
3495	Bare land	0.0084	313	Storehouse	0.0084	SNB	0.0084	
3495	Bare land	0.0086	314	Storehouse	0.0086	SNB	0.0086	
2995,3450	Bare land	0.0196	315	Storehouse	0.0196	SNB	0.0196	
3450	Bare land	0.0095	316	Storehouse	0.0095	SNB	0.0095	
3450/3456	Bare land	0.0095	317	Storehouse	0.0095	SNB	0.0095	
3450	Bare land	0.0095	318	Storehouse	0.0095	SNB	0.0095	
3450	Bare land	0.0255	319	Storehouse	0.0255	SNB	0.0255	
3450	Bare land	0.0285	320	Resident	0.0285	SNB	0.0285	
3450	Bare land	0.0285	321	Resident	0.0285	SNB	0.0285	
3450	Bare land	0.0450	322	Storehouse	0.0450	SNB	0.0450	
3450	Bare land	0.0181	323	Storehouse	0.0181	SNB	0.0181	
3450	Bare land	0.0181	324	Storehouse	0.0181	SNB	0.0181	
3450, 3451	Bare land	0.5387	325	Ditch	0.5387	SNB	0.5387	
3450	Bare land	0.0187	26	Storehouse	0.0187	SNB	0.0187	
3450	Bare land	0.0193	27	Storehouse	0.0193	SNB	0.0193	
18,48,49,3417	Bare land	0.0884	28	Path	0.0884	SNB	0.0884	
3450	Bare land	0.0395	29	Storehouse	0.0395	SNB	0.0395	
3450	Bare land	0.0365	30	Storehouse	0.0365	SNB	0.0365	
3450,2995	Bare land	0.0300	31	Storehouse	0.030	SNB	0.030	
2995	Bare land	0.0085	32	Storehouse	0.0085	SNB	0.0085	
2995	Bare land	0.0100	33	Storehouse	0.010	SNB	0.010	
2995	Bare land	0.0100	34	Storehouse	0.010	SNB	0.010	
18,48,49,3417	Bare land	0.0150	35	Path	0.0150	SNB	0.0150	
2995	Bare land	0.0071	36	Storehouse	0.0071	SNB	0.0071	
2995	Bare land	0.0075	37	Storehouse	0.0075	SNB	0.0075	
2995	Bare land	0.0160	38	Storehouse	0.0160	SNB	0.0160	
2995	Bare land	0.0125	39	Storehouse	0.0125	SNB	0.0125	
2995	Bare land	0.0125	40	Storehouse	0.0125	SNB	0.0125	
2995	Bare land	0.0275	41	Storehouse	0.0275	SNB	0.0275	
2995	Bare land	0.0275	42	Storehouse	0.0275	SNB	0.0275	
2995	Bare land	0.0290	43	Storehouse	0.0290	SNB	0.0290	
2995	Bare land	0.0142	44	Storehouse	0.0142	SNB	0.0142	
3449	Bare land	0.0145	45	Storehouse	0.0145	SNB	0.0145	
18,48,49,3417	Bare land	0.2150	46	Path	0.2150	SNB	0.2150	
3448,3449	Bare land	0.0369	47	Storehouse	0.0369	SNB	0.0369	
2994	Bare land	0.0369	48	Storehouse	0.0369	SNB	0.0369	
2994,2995	Bare land	0.0294	49	Storehouse	0.0294	SNB	0.0294	
3494,3495	Bare land	0.0125	50	Storehouse	0.0125	SNB	0.0125	
2994,2995	Bare land	0.0219	51	Storehouse	0.0219	SNB	0.0219	
2995	Bare land	0.0212	52	Storehouse	0.0212	SNB	0.0212	
2995	Bare land	0.0100	53	Storehouse	0.010	SNB	0.010	
2994	Bare land	0.0100	54	Storehouse	0.010	SNB	0.010	
18,48,49,3417	Bare land	0.0138	55	Path	0.0138	SNB	0.0138	
2994,2995	Bare land	0.0262	56	Storehouse	0.0262	SNB	0.0262	
2994,2995	Bare land	0.0262	57	Storehouse	0.0262	SNB	0.0262	
3450,3451	Bare land	0.0269	58	Storehouse	0.0269	SNB	0.0269	
3450,3451	Bare land	0.0262	59	Storehouse	0.0262	SNB	0.0262	
3451	Bare land	0.0118	60	Shop	0.0118	SNB	0.0118	
3451	Bare land	0.0118	61	Shop	0.0118	SNB	0.0118	
2994	Bare land	0.0094	62	Shop	0.0094	SNB	0.0094	
2994	Bare land	0.0075	63	Shop	0.0075	SNB	0.0075	
2994	Bare land	0.0087	64	Shop	0.0087	SNB	0.0087	
2994	Bare land	0.0112	65	Shop	0.0112	SNB	0.0112	
2994	Bare land	0.0219	66	Shop	0.0219	SNB	0.0219	

2994	Bare land	0.0171	67	Shop	0.0171	SNB	0.0171
2994	Bare land	0.0147	68	Shop	0.0147	SNB	0.0147
2994	Bare land	0.0206	69	Shop	0.0206	SNB	0.0206
2994	Bare land	0.0106	70	Shop	0.0106	SNB	0.0106
2994	Bare land	0.0056	71	Shop	0.0056	SNB	0.0056
2994	Bare land	0.0094	72	Shop	0.0094	SNB	0.0094
2994	Bare land	0.0081	73	Shop	0.0081	SNB	0.0081
2994	Bare land	0.0144	74	Shop	0.0144	SNB	0.0144
2994	Bare land	0.0094	75	Shop	0.0094	SNB	0.0094
2994	Bare land	0.0062	76	Shop	0.0062	SNB	0.0062
2994	Bare land	0.0100	77	Shop	0.010	SNB	0.010
2994	Bare land	0.0062	78	Shop	0.0062	SNB	0.0062
2994	Bare land	0.0125	79	Shop	0.0125	SNB	0.0125
2994	Bare land	0.0100	80	Shop	0.010	SNB	0.010
2990	Bare land	0.0081	81	Shop	0.0081	SNB	0.0081
2994	Bare land	0.0187	82	Shop	0.0187	SNB	0.0187
2994	Bare land	0.0106	83	Shop	0.0106	SNB	0.0106
2994	Bare land	0.0106	84	Shop	0.0106	SNB	0.0106
3448	Bare land	0.0106	85	Shop	0.0106	SNB	0.0106
3415,3416,3446,3447	Bare land	3.1240	86	Road	3.124	SNB	3.124
3451	Bare land	0.0131	87	Office	0.0131	SNB	0.0131
3451	Bare land	0.0356	88	Storehouse	0.0356	SNB	0.0356
3451	Bare land	0.0294	89	Storehouse	0.0294	SNB	0.0294
3452	Bare land	0.0862	90	Mosque	0.0862	SNB	0.0862
3452	Bare land	0.0400	91	Shop	0.040	SNB	0.040
3452	Bare land	0.0300	92	Shop	0.030	SNB	0.030
3452	Bare land	0.0494	93	Shop	0.0494	SNB	0.0494
35/3452	Bare land	0.0312	94	Shop	0.0312	SNB	0.0312
3452	Bare land	0.0231	95	Shop	0.0231	SNB	0.0231
29	Bare land	0.7994	96	Road	0.7994	SNB	0.7994
3442	Resident	1.3525	97	Homestead	1.3525	SNB	1.3525
3444	Resident	0.4965	98	Homestead	0.4965	SNB	0.4965
3443,26	Bare land	0.3120	399	Shop	0.312	SNB	0.312
3443	Bare land	0.0250	400	Shop	0.025	SNB	0.025
3443	Bare land	0.0319	401	Storehouse	0.0319	SNB	0.0319
3443	Bare land	0.0206	402	Shop	0.0206	SNB	0.0206
26,3443	Bare land	0.0225	3	Shop	0.0225	SNB	0.0225
26,3443	Bare land	0.0225	4	Shop	0.0225	SNB	0.0225
26,3443	Bare land	0.0156	5	Path	0.0156	SNB	0.0156
26,3443	Bare land	0.0281	6	Shop	0.0281	SNB	0.0281
26,3443	Homestead	0.0137	7	Homestead	0.0137	SNB	0.0137
26,3443	Homestead	0.0137	8	Homestead	0.0137	SNB	0.0137
26,3443,3435	Bare land	0.0275	9	Path	0.0275	SNB	0.0275
3443	Bare land	0.0400	10	Shop	0.040	SNB	0.040
3443	Bare land	0.0150	11	Path	0.0150	SNB	0.0150
3443	Bare land	0.1225	12	Shop	0.1225	SNB	0.1225
3442,3443	Bare land	0.0118	13	Path	0.0118	SNB	0.0118
3435,3443	Bare land	0.0263	14	Shop	0.0263	SNB	0.0263
3435,3443	Bare land	0.0268	15	Shop	0.0268	SNB	0.0268
3435	Bare land	0.0225	16	Path	0.0225	SNB	0.0225
3435	Bare land	0.0100	17	Path	0.010	SNB	0.010
3435	Bare land	0.0131	18	Shop	0.0131	SNB	0.0131
3435,3443	Bare land	0.0125	19	Shop	0.0125	SNB	0.0125
3435	Bare land	0.0137	20	Shop	0.0137	SNB	0.0137
3435	Bare land	0.3060	21	Shop	0.3060	SNB	0.3060
3435	Bare land	0.2206	22	Homestead	0.2206	SNB	0.2206
3435	Bare land	0.5887	23	Fallow	0.5887	Fallow	0.5887
2991,2422	Bare land	0.9469	24	Fallow	0.9469	Port market	0.9469
3431,3432,3435	Bare land	1.0524	25	Fallow	1.0524	Port market	1.0524
3431,3432,3435	Bare land	1.5880	26	Fallow	1.588	Port market	1.588
16,2987	Bare land	1.6937	27	Homestead	1.6937	Homestead	1.6937
3431,3432	Bare land	0.1187	28	Homestead	0.1187	Homestead	0.1187

3431,3432	Bare land	0.2062	29	Rice mill	0.2062	Rice mill	0.2062	
343	Bare land	0.0056	30	Road(G)	0.0056	Road(G)	0.0056	
24,26,2991	Bare land	0.0731	31	Road(G)	0.0731	Road(G)	0.0731	
3434	Bare land	0.0462	32	Homestead	0.0462	SNB	0.0462	
3433	Bare land	0.0375	33	Shop	0.0375	SNB	0.0375	
3433,3434	Bare land	0.5012	34	Rice mill	0.5012	Rice mill	0.5012	
4333,3434	Bare land	0.0762	35	Cinema hall	0.0762	SNB	0.0762	
3434	Bare land	0.0337	36	Homestead	0.0337	SNB	0.0337	
3434	Bare land	0.0500	37	Shop	0.0500	SNB	0.0500	
27,29,22,23,24,25	Bare land	6.9650	38	Pond	6.965	SNB, Homestead	2.000 4.965	
16,17	Fallow, Pond	0.4500	39	Homestead	0.45	Homestead	0.45	
17	Pond	1.5100	40	Pond	1.51	Homestead	1.51	
21,299	Cultivable land	0.3062	41	Cannel	0.3062	Cannel	0.3062	
2993	Bare land	0.0406	42	Homestead	0.0406	Homestead	0.0406	
2992,2293	Bare land	0.0362	43	Madrasa	0.0362	Madrasa	0.0362	
28,299	Pond	0.1919	44	Mosque	0.1919	Mosque	0.1919	
47,29,2989	Bare land	0.1188	45	Homestead	0.1188	Homestead	0.1188	
2990	Bare land	0.0350	46	Graveyard	0.0350	Graveyard	0.0350	
45,46,47,48	Cultivable land	0.0831	47	Homestead	0.0831	Homestead	0.0831	
3457	Cultivable land	0.3899	48	Homestead	0.3899	Homestead	0.3899	
46,47	Cultivable land	0.0625	49	Homestead	0.0625	Homestead	0.0625	
45,46,47	Cultivable land	0.6500	50	Homestead	0.650	Homestead	0.650	
45,46	Cultivable land	0.0708	51	Fallow	0.0708	Homestead	0.0708	
45,46	Cultivable land	0.0606	52	Shop	0.0606	Shop	0.0606	
45,46	Cultivable land	0.1536	53	Homestead	0.1536	Homestead	0.1536	
48,51	Cultivable land	0.0793	54	Road	0.0793	Road	0.0793	
48,49,50,51,3001	Cultivable land	1.1664	55	Orchard	1.1664	Homestead	1.1664	
20,3001	Fallow	0.0587	56	Homestead	0.0587	Homestead	0.0587	
3001	Fallow	0.0887	57	Homestead	0.0887	Homestead	0.0887	
3001	Fallow	0.1200	58	Homestead	0.1200	Homestead	0.1200	
20,3001	Fallow	0.1187	59	Homestead	0.1187	Homestead	0.1187	
19,20	Fallow	0.1294	60	Homestead	0.1294	Homestead	0.1294	
18	Homestead	0.1362	61	Homestead	0.1362	Homestead	0.1362	
19	Fallow	0.0556	62	Homestead	0.0556	Homestead	0.0556	
19	Fallow	0.0519	63	Homestead	0.0519	Homestead	0.0519	
3462	Cultivable land	0.1925	464	Road(G)	0.1925	Road(G)	0.1925	
2915,3449,3450	Bare land	0.0906	303/46 5	Road(G)	0.0906	Road(G)	0.0906	
3436,3438	Storehouse	1.7180	601	Storehouse	1.7180	Homestead	1.7180	
3436,3438	Storehouse	1.2574	602	Rice mill	1.2574	Rice mill	1.2574	
2985	Pond	1.1488	3	Ditch	1.1488	Ditch	1.1488	
3453,3437	Storehouse Bare land	0.2575 0.2000	4	Homestead	0.4575	Homestead	0.4575	
2186,3453	Bare land Storehouse	0.1637 0.1000	5	Ditch	0.2637	Homestead	0.2637	
14	Pond	0.1582	6	Pond	0.1582	Homestead	0.1582	
14	Pond	0.4537	7	Pond	0.4537	Homestead	0.4537	
14	Storehouse	0.7511	8	Rice mill	0.7511	Rice mill	0.7511	
14	Storehouse	0.9555	9	Rice mill	0.9555	Rice mill	0.9555	
14	Pond	0.4387	10	Fallow	0.4387	Homestead	0.4387	
13,14	Storehouse Pond	0.2025 1.1300	11	Storehouse	1.3325	Homestead	1.3325	
12,13,14	Pond	2.0125	12	Pond	2.0125	Homestead	2.0125	
12,13,14	Storehouse Pond	0.2000 0.2300	13	Fallow	0.4300	Homestead	0.4300	
12,13,14	Storehouse Pond	0.7042 1.0000	14	Rice mill	1.7042	Rice mill	1.7042	
12,13,14	Storehouse	0.0550	15	Shop	0.0550	Shop	0.0550	
11	Ditch	0.5619	16	Homestead	0.5619	Homestead	0.5619	
10	Ditch	0.5100	17	Ditch	0.51	Homestead	0.51	
10,2982,2983, 9,3439	Ditch	2.4910	18	Rice mill	2.491	Rice mill	2.491	
	Ditch	0.5713	19	Fallow	0.5713	Homestead	0.5713	

2984,3454	Ditch	0.1937	20	Ditch	0.1937	Ditch	0.1937	
3439	Ditch	0.0822	21	Ditch	0.0822	Ditch	0.0822	
2998,3954	Ditch	0.2187	22	Fallow	0.2187	Fallow	0.2187	
9,3439	Storehouse	0.6500	23	Rice mill	0.65	Rice mill	0.65	
3954	Ditch	0.2925	24	Rice mill	0.2925	Rice mill	0.2925	
829	Homestead	2.2562	25	Homestead Rice mill	2.2562 0.5000	Homestead Rice mill	2.2562 0.5000	
2981	Storehouse	0.0062	26	Shop	0.0062	Shop	0.0062	
2980	Fallow	0.0069	27	Shop	0.0069	Shop	0.0069	
2980	Fallow	0.0100	28	Shop	0.0100	Shop	0.0100	
2980	Fallow	0.0175	29	Shop	0.0175	Shop	0.0175	
3455	Fallow	0.0475	30	Shop	0.0475	Shop	0.0475	
3455	Fallow	0.0337	31	Shop	0.0337	Shop	0.0337	
3455	Fallow	0.0131	32	Fallow	0.0131	Shop	0.0131	
3455	Fallow	0.0325	33	Shop	0.0325	Shop	0.0325	
3455	Homestead	0.0162	34	Homestead	0.0162	Homestead	0.0162	
7,6	Fallow	0.0419	35	Fallow	0.0419	Homestead	0.0419	
7,3455	Bare land	0.0169	36	Homestead	0.0169	Homestead	0.0169	
7	Homestead	0.0136	37	Homestead	0.0136	Homestead	0.0136	
3455	Homestead	0.0130	38	Homestead	0.0130	Homestead	0.0130	
7	Homestead	0.0135	39	Homestead	0.0135	Homestead	0.0135	
7	Homestead	0.0245	40	Homestead	0.0245	Homestead	0.0245	
7/3440	Storehouse	0.0290	41	Homestead	0.0290	Homestead	0.0290	
3440	Storehouse	0.0450	42	Homestead	0.0450	Homestead	0.0450	
3440	Storehouse	0.2952	43	Homestead	0.2952	Homestead	0.2952	
3440	Storehouse	0.0150	44	Homestead	0.0150	Homestead	0.0150	
3440	Storehouse	0.1500	45	Road(G)	0.1500	Road(G)	0.1500	
2980,3455,3440	Homestead	0.0350	46	Homestead	0.0350	Homestead	0.0350	
3400	Homestead	0.0356	47	Homestead	0.0356	Homestead	0.0356	
6	Residential	0.1412	48	Cannel	0.1412	Cannel	0.1412	
3429	Residential	0.4012	49	Homestead	0.4012	Homestead	0.4012	
2,3,45	Storehouse	0.0243	50	Homestead	0.0243	Homestead	0.0243	
3,4	Storehouse Cannel	0.0100 0.0025	51	Homestead	0.0125	Homestead	0.0125	
1,2,4,5	Storehouse Cannel	0.4142 0.1000	52	Rice mill	0.5142	Rice mill	0.5142	
3430	Fallow	0.2880	53	Fallow	0.2880	Homestead	0.2880	
1/3430	Fallow	0.0181	54	Shop	0.0181	Homestead	0.0181	
3430	Fallow	0.0237	56	Shop	0.0237	Homestead	0.0237	
1/3430	Fallow	0.0075	57	Shop	0.0075	Homestead	0.0075	
4,5,6	Storehouse Cannel	0.1210 0.0500	58	Homestead	0.1712	Homestead	0.1712	
3440	Storehouse	0.4662	59	Rice mill	0.4662	Mill	0.4662	
3440	Storehouse	0.0100	60	Homestead	0.0100	Homestead	0.0100	
3440	Storehouse	0.0169	61	Homestead	0.0169	Homestead	0.0169	
3440	Storehouse	0.0169	62	Homestead	0.0169	Homestead	0.0169	
3440	Storehouse	0.0162	63	Homestead	0.0162	Homestead	0.0162	
3440	Storehouse	0.0156	64	Homestead	0.0156	Homestead	0.0156	
3440	Storehouse	0.0331	65	Homestead	0.0331	Homestead	0.0331	
7	Storehouse	0.0187	67	Homestead	0.0187	Homestead	0.0187	
7/3440	Storehouse	0.0181	68	Homestead	0.0181	Homestead	0.0181	
7/3440	Storehouse	0.0237	69	Homestead	0.0237	Homestead	0.0237	
7/3440	Storehouse	0.0362	70	Homestead	0.0362	Homestead	0.0362	
3440	Storehouse	0.0244	71	Homestead	0.0244	Homestead	0.0244	
3455	Storehouse	0.0600	72	Homestead	0.0600	Homestead	0.0600	
3455	Storehouse	0.0225	73	Homestead	0.0225	Homestead	0.0225	
7/3465	Storehouse	0.0162	74	Homestead	0.0162	Homestead	0.0162	
7	Storehouse	0.0167	75	Homestead	0.0167	Homestead	0.0167	
3455	Pond	0.0193	76	Homestead	0.0193	Homestead	0.0193	
3455	Pond	0.0184	77	Shop	0.0184	Homestead	0.0184	
2980	Fallow	0.0200	78	Homestead	0.0200	Homestead	0.0200	
2980	Fallow	0.0150	79	Homestead	0.0150	Homestead	0.0150	
2980	Fallow	0.0069	80	Shop	0.0069	Shop	0.0069	

2980	Fallow	0.0031	81	Shop	0.0031	Shop	0.0031	
2980	Fallow	0.0037	82	Shop	0.0037	Shop	0.0037	
2980	Fallow	0.0325	83	Shop	0.0325	Shop	0.0325	
52	Cultivable land	0.5050	84	Road(G)	0.5050	Road(G)	0.5050	
53	Cultivable land	0.0337	85	Homestead	0.0337	Homestead	0.0337	
53	Cultivable land	0.0194	86	Shop	0.0194	Homestead	0.0194	
53	Cultivable land	0.0215	87	Shop	0.0215	Homestead	0.0215	
53	Cultivable land	0.0209	88	Storehouse	0.0209	Homestead	0.0209	
3002,55	Office	1.0281	89	Office	1.0281	Office	1.0281	
3004,55	Homestead	0.0594	90	Homestead	0.0594	Homestead	0.0594	
3004,55	Homestead	0.0112	91	Homestead	0.0112	Homestead	0.0112	
3003	Homestead	0.0106	92	Homestead	0.0106	Homestead	0.0106	
55/3004	Homestead	0.1912	93	Homestead	0.1912	Homestead	0.1912	
56/3004	Bare land	0.5319	94	Cinema hall	0.5319	Homestead	0.5319	
56/3004	Homestead	0.1594	95	Homestead	0.1594	Homestead	0.1594	
56	Homestead	0.0562	96	Homestead	0.0562	Homestead	0.0562	
56,7	Homestead	0.0275	97	Homestead	0.0275	Homestead	0.0275	
56	Homestead	0.0544	98	Homestead	0.0544	Homestead	0.0544	
57	Homestead	0.1087	699	Homestead	0.1087	Homestead	0.1087	
57	Homestead	0.1925	700	Homestead	0.1925	Homestead	0.1925	
58,59	Office	0.5112	701	Office	0.5112	Office	0.5112	
62	Homestead	0.3181	702	Homestead	0.3181	Homestead	0.3181	
62	Homestead	0.0344	3	Homestead	0.0344	Homestead	0.0344	
62	Homestead	0.0612	4	Homestead	0.0612	Homestead	0.0612	
68	Homestead	0.0431	5	Homestead	0.0431	Homestead	0.0431	
17,68	Pond	0.0244	6	Homestead	0.0244	Homestead	0.0244	
67,68	Homestead	0.1237	7	Homestead	0.1237	Homestead	0.1237	
70	Homestead	0.0287	8	Homestead	0.0287	Homestead	0.0287	
70	Homestead	0.0335	9	Homestead	0.0335	Homestead	0.0335	
73/69,3009	Homestead	0.0052	10	Resident	0.0052	Homestead	0.0052	
73/3009	Homestead	0.1331	11	Homestead	0.1331	Homestead	0.1331	
73/3009	Homestead	0.0144	12	Homestead	0.0144	Homestead	0.0144	
73/3009	Homestead	0.0162	13	Homestead	0.0162	Homestead	0.0162	
73/3009	Homestead	0.0439	14	Homestead	0.0439	Homestead	0.0439	
37/3009	Homestead	0.0406	15	Homestead	0.0406	Homestead	0.0406	
73/3009	Homestead	0.0137	16	Homestead	0.0137	Homestead	0.0137	
73/3009	Homestead	0.0112	17	Homestead	0.0112	Homestead	0.0112	
73/3009	Homestead	0.0100	18	Homestead	0.0100	Homestead	0.0100	
73/3009	Homestead	0.0156	19	Road(G)	0.0156	Road(G)	0.0156	
73	Homestead	0.0725	20	Homestead	0.0725	Homestead	0.0725	
73	Homestead	0.0187	21	Homestead	0.0187	Homestead	0.0187	
73	Homestead	0.0237	22	Homestead	0.0237	Homestead	0.0237	
74	Homestead	0.1562	23	Homestead	0.1562	Homestead	0.1562	
75	Homestead	0.1625	24	Homestead	0.1625	Homestead	0.1625	
76	Homestead	0.1800	25	Homestead	0.1800	Homestead	0.1800	
78	Homestead	0.3187	26	Homestead	0.3187	Homestead	0.3187	
78	Homestead	0.1262	27	Homestead	0.1262	Homestead	0.1262	
79	Homestead	0.1777	28	Homestead	0.1777	Homestead	0.1777	
72/328	Path	0.0119	29	Path	0.0119	Path	0.0119	
70,72	Homestead	0.0195	30	Homestead	0.0195	Homestead	0.0195	
72,3003	Homestead	0.0195	31	Homestead	0.0195	Homestead	0.0195	
72/3003	Homestead	0.0195	32	Homestead	0.0195	Homestead	0.0195	
71,72/3003	Ditch	0.0595	33	Homestead	0.0595	Homestead	0.0595	
70,3000	Cultivable land	0.0056	34	Path	0.0056	Path	0.0056	
63	Pond	0.4481	35	Pond	0.4481	Homestead	0.4481	
60,61,63,67	Homestead	1.0319	36	Office	1.0319	Office	1.0319	
66,64,65,3005	Homestead, Pond	2.3424, 2.2200	37	Pond	4.5624	Power Plant	4.5624	
66,87	Fallow	1.3731	38	Office	1.3731	Office	1.3731	
44,53	Cannel	0.0200	690/73 9	Cannel	0.0200	Cannel	0.0200	
3440	Storehouse	0.0194	646/74 0	Road	0.0194	Road	0.0194	

3006,71,72	Ditch	0.0126	741	Ditch	0.0126	Homestead	0.0126	
	Homestead	0.0849	743	Homestead	0.0849	Homestead	0.0849	
87/3011	Homestead	0.3024	1201	Homestead	0.3024	Homestead	0.3024	
87/3011	Homestead	0.3088	2	Homestead	0.3088	Homestead	0.3088	
90	Homestead	0.0275	3	Road	0.0275	Road	0.0275	
90	Homestead	0.1156	4	Homestead	0.1156	Homestead	0.1156	
90/3093	Homestead	0.1275	5	Homestead	0.1275	Homestead	0.1275	
90/3093	Homestead	0.0225	6	Homestead	0.0225	Homestead	0.0225	
91	Homestead	0.0825	7	Homestead	0.0825	Homestead	0.0825	
91,92	Homestead	0.0962	8	Homestead	0.0962	Homestead	0.0962	
92	Homestead	0.0625	9	Homestead	0.0625	Homestead	0.0625	
97/2961	Homestead	0.1337	10	Homestead	0.1337	Homestead	0.1337	
97/2961,3014	Homestead	0.2750	11	Homestead	0.2750	Homestead	0.2750	
92,95,97	Homestead	0.2520	12	Homestead	0.2520	Homestead	0.2520	
96	Homestead	0.0212	13	Homestead	0.0212	Homestead	0.0212	
93,94,96	Homestead	0.2312	14	Homestead	0.2312	Homestead	0.2312	
89,93,94	Pond	0.2600	15	Pond	0.2600	Homestead	0.2600	
89,90,92	Pond	0.2612	16	Pond	0.2612	Homestead	0.2612	
84	Cultivable land	0.2150	17	Cultivable land	0.2150	Cultivable land	0.2150	
77	Cultivable land	0.2031	18	Cultivable land	0.2031	Cultivable land	0.2031	
84,85	Cultivable land	0.0775	19	Cultivable land	0.0775	Cultivable land	0.0775	
84	Pond	0.1450	20	Homestead	0.1450	Homestead	0.1450	
87,88	Pond Residential	0.6094 0.2000	21	Homestead	0.8094	Homestead	0.8094	
81,82	Residential	0.0912	22	Road	0.0912	Road	0.0912	
96,93	Fallow	0.1237	23	Fallow	0.1237	Homestead	0.1237	
93,99	Fallow	0.2625	24	Road	0.2625	Road	0.2625	
99/83,780	Residential	0.6950	25	Homestead	0.6950	Homestead	0.6950	
82,83,84	Cultivable land Residential	1.0525 0.4200	26	Pond	1.4725	Power Plant	1.4725	
81,82	Residential	0.0862	27	Homestead	0.0862	Homestead	0.0862	
80,82	Residential	0.1219	28	Homestead	0.1219	Homestead	0.1219	
99,83,82	Residential	0.3400	29	Homestead	0.3400	Homestead	0.3400	
99,83	Cannel	0.2437	30	Cannel	0.2437	Cannel	0.2437	
99,98	Cultivable land	0.0525	31	N juli	0.0525	Homestead	0.0525	
99,100	Cultivable land	0.1337	32	Cultivable land	0.1337	Homestead	0.1337	
100,101	Cultivable land	0.2019	33	Cultivable land	0.2019	Homestead	0.2019	
123,124	Cultivable land	0.7375	34	Cultivable land	0.7375	Homestead	0.7375	
101	Cannel	0.0775	35	Cannel(G)	0.0775	Cannel(G)	0.0775	
99,102	Cultivable land	0.4550	36	Cultivable land	0.4550	Homestead	0.4550	
105/3458	Cultivable land	0.7531	37	Cultivable land	0.7531	Homestead	0.7531	
108,110	Cultivable land	0.9450	38	Cultivable land	0.9450	Homestead	0.9450	
112	Cultivable land	0.3937	39	Cultivable land	0.3937	Homestead	0.3937	
107,3461	Cultivable land	0.0300	40	Cultivable land	0.0300	Homestead	0.0300	
123	Cannel	0.1019	41	Cannel	0.1019	Cannel	0.1019	
114,116,117,118,119	Road,	9.2400	42	Railways	9.2400	Railways	9.2400	
127	Railways	0.1275	43	Railways	0.1275	Railways	0.1275	
127	Railways	0.1019	44	Railways	0.1019	Railways	0.1019	
127	Railways	1.5862	45	Railways	1.5862	Railways	1.5862	
127	Railways	1.3425	46	Railways	1.3425	Railways	1.3425	
127	Railways	0.3687	47	Railways	0.3687	Railways	0.3687	
127	Railways	2.1500	1248	Railways	2.1500	Railways	2.1500	

District: Brahmanbaria, Upazila: Asuganj, Union: Char Chartala, Mouza: Char Chartala

Cadastral Survey (CS Operation: 1957-1958)			Bangladesh Survey (BS Operation: 1995)			Survey Report,2014		
Plot no	Land Class	Total land (Acre)	Plot no	Land Class	Total land (Acre)	Land Class	Total land (Acre)	Remark
3506	River(G)	47.7200	1501	River(G)	47.7200	River(G)	47.7200	
441,442,3319,3516	Cultivable land	6.1600	2	Cultivable land	6.1600	Cultivable land	6.1600	
470,469	Cultivable land	1.1900	3	Cultivable land	1.1900	Cultivable land	1.1900	
469,470	Cultivable land	0.6700	4	Cultivable land	0.6700	Cultivable land	0.6700	
3521,3508	Homestead	1.2300	5	Homestead	1.2300	Homestead	1.2300	
3521,3508	Homestead	0.4400	6	Homestead	0.4400	Homestead	0.4400	
3321,3322	Cultivable land	1.5500	7	Cultivable land	1.5500	Husking mill	1.5500	
3322,3509	Cultivable land	0.2400	8	Homestead	0.2400	Homestead	0.2400	
3321	Cultivable land	0.3600	9	Cultivable land	0.3600	Cultivable land	0.3600	
3322/3509	Cultivable land	0.1900	10	Homestead	0.1900	Homestead	0.1900	
3321	Cultivable land	0.2700	11	Homestead	0.2700	Homestead	0.2700	
3321	Cultivable land	0.3100	12	Cultivable land	0.3100	Cultivable land	0.3100	
3321	Cultivable land	0.4900	13	Cultivable land	0.4900	Cultivable land	0.4900	
3321,471	Cultivable land	0.2000	14	Cultivable land	0.2000	Cultivable land	0.2000	
3321,3322	Cultivable land	0.1400	15	Cultivable land	0.1400	Cultivable land	0.1400	
468	Cultivable land	0.8900	16	Cultivable land	0.8900	Cultivable land	0.8900	
471/3321	Cultivable land	0.5000	17	Cultivable land	0.5000	Cultivable land	0.5000	
3042	Cultivable land	0.2900	18	Cultivable land	0.2900	Cultivable land	0.2900	
3507	Cultivable land	0.2300	19	Cultivable land	0.2300	Cultivable land	0.2300	
469,468	Cultivable land	0.9900	20	Cultivable land	0.9900	Cultivable land	0.9900	
443,442	Cultivable land	0.1000	21	Cultivable land	0.1000	Cultivable land	0.1000	
443	Cultivable land	0.0900	22	Cultivable land	0.0900	Cultivable land	0.0900	
442,443	Cultivable land	0.0800	23	Cultivable land	0.0800	Cultivable land	0.0800	
469	Cultivable land	0.1200	24	Cultivable land	0.1200	Cultivable land	0.1200	
467	Cultivable land	0.3200	25	Cultivable land	0.3200	Cultivable land	0.3200	
467,468	Cultivable land	0.1600	26	Cultivable land	0.1600	Cultivable land	0.1600	
467,468	Cultivable land	0.1000	27	Cultivable land	0.1000	Cultivable land	0.1000	
468,471	Cultivable land	0.0800	28	Cultivable land	0.0800	Cultivable land	0.0800	
471,472,473	Cultivable land	0.6800	29	Cultivable land	0.6800	Cultivable land	0.6800	
3321	Cultivable land	0.3100	30	Cultivable land	0.3100	Cultivable land	0.3100	
472	Cultivable land	0.0900	31	Cultivable land	0.0900	Cultivable land	0.0900	
472	Cultivable land	0.1200	32	Cultivable land	0.1200	Cultivable land	0.1200	
481/358	Cultivable land	0.1300	33	Cultivable land	0.1300	Cultivable land	0.1300	
481/354	Cultivable land	0.2800	34	Cultivable land	0.2800	Cultivable land	0.2800	
473	Cultivable land	0.5700	35	Cultivable land	0.5700	Cultivable land	0.5700	
473	Cultivable land	0.1500	36	Cultivable land	0.1500	Cultivable land	0.1500	
473,481	Cultivable land	0.5200	37	Cultivable land	0.5200	Cultivable land	0.5200	
472	Cultivable land	0.1400	38	Cultivable land	0.1400	Cultivable land	0.1400	
3510	Cultivable land	0.1100	39	Cultivable land	0.1100	Cultivable land	0.1100	
472	Cultivable land	0.2800	40	Cultivable land	0.2800	Cultivable land	0.2800	
473	Cultivable land	0.1400	41	Cultivable land	0.1400	Cultivable land	0.1400	
350	Homestead	0.2400	42	Homestead	0.2400	Homestead	0.2400	
3322	Cultivable land	0.1800	43	Cultivable land	0.1800	Cultivable land	0.1800	
471/3322	Cultivable land	0.3000	44	Cultivable land	0.3000	Cultivable land	0.3000	
3322	Cultivable land	0.1900	45	Cultivable land	0.1900	Cultivable land	0.1900	
3322	Cultivable land	0.2100	46	Cultivable land	0.2100	Cultivable land	0.2100	
3321,3509	Cultivable land	0.1800	47	Cultivable land	0.1800	Cultivable land	0.1800	
3321,3509	Cultivable land	0.1700	48	Cultivable land	0.1700	Cultivable land	0.1700	
3589	Cultivable land	1.1100	49	Cultivable land	1.1100	Cultivable land	1.1100	
3322/3509	Cultivable land	0.4700	50	Homestead	0.4700	Homestead	0.4700	

3322	Cultivable land	0.3200	51	Homestead	0.3200	Homestead	0.3200	
3322	Cultivable land	0.2300	52	Cultivable land	0.2300	Cultivable land	0.2300	
3322	Cultivable land	0.1700	53	Cultivable land	0.1700	Cultivable land	0.1700	
3322	Cultivable land	0.5900	54	Cultivable land	0.5900	Cultivable land	0.5900	
3536	Cultivable land	1.0000	55	Homestead	1.0000	Homestead	1.0000	
475/474,3323	Cultivable land	0.8900	56	Homestead	0.8900	Homestead	0.8900	
475/474,3323	Cultivable land	0.2100	57	Homestead	0.2100	Homestead	0.2100	
478-481	Cultivable land	0.2500	58	Homestead	0.2500	Homestead	0.2500	
747,478	Cultivable land	0.4000	59	Homestead	0.4000	Homestead	0.4000	
478	Cultivable land	0.4600	60	Homestead	0.4600	Homestead	0.4600	
3324/3511	Cultivable land	1.5300	61	Homestead	1.5300	Homestead	1.5300	
478/3513	Cultivable land	1.2500	62	Homestead	1.2500	Homestead	1.2500	
590,3326	Cultivable land	0.7300	63	Road(G)	0.7300	Road(G)	0.7300	
500	Cultivable land	0.5200	64	Homestead	0.5200	Homestead	0.5200	
501	Cultivable land	0.2700	65	Homestead	0.2700	Homestead	0.2700	
501,502	Cultivable land	0.5700	66	Homestead	0.5700	Homestead	0.5700	
502	Cultivable land	0.4100	67	Homestead	0.4100	Homestead	0.4100	
3327	Cultivable land	0.4800	68	Homestead	0.4800	Homestead	0.4800	
502/3327	Ditch	0.4500	69	Ditch	0.4500	Ditch	0.4500	
3327	Cultivable land	0.4000	70	Homestead	0.4000	Homestead	0.4000	
502/3327	Cultivable land	0.2300	71	Cultivable land	0.2300	Cultivable land	0.2300	
3327	Cultivable land	0.1400	72	Cultivable land	0.1400	Cultivable land	0.1400	
3327	Cultivable land	0.1600	73	Cultivable land	0.1600	Cultivable land	0.1600	
502,5002/3327	Cultivable land	0.1500	74	Cultivable land	0.1500	Cultivable land	0.1500	
501,502	Cultivable land	0.5100	75	Cultivable land	0.5100	Cultivable land	0.5100	
501	Cultivable land	0.1700	76	Cultivable land	0.1700	Cultivable land	0.1700	
501	Cultivable land	0.1400	77	Cultivable land	0.1400	Cultivable land	0.1400	
504	Cultivable land	0.2500	78	Cultivable land	0.2500	Cultivable land	0.2500	
508	Cultivable land	0.2800	79	Cultivable land	0.2800	Cultivable land	0.2800	
505	Cultivable land	0.3100	80	Cultivable land	0.3100	Cultivable land	0.3100	
503,504	Cultivable land	0.4300	81	Cultivable land	0.4300	Cultivable land	0.4300	
503,504	Cultivable land	0.9800	82	Cultivable land	0.9800	Cultivable land	0.9800	
503,504	Cultivable land	0.5300	83	Cultivable land	0.5300	Cultivable land	0.5300	
505,506	Cultivable land	1.7000	84	Cultivable land	1.7000	Cultivable land	1.7000	
3331,508	Cultivable land	1.8500	85	Cultivable land	1.8500	Cultivable land	1.8500	
508,509,331	Cultivable land	0.2000	86	Cultivable land	0.2000	Cultivable land	0.2000	
3519,511/3333	Cultivable land	0.8000	87	Cultivable land	0.8000	Cultivable land	0.8000	
3334,3519	Cultivable land	0.3600	88	Cultivable land	0.3600	Cultivable land	0.3600	
511,3519/3333	Cultivable land	0.4200	89	Cultivable land	0.4200	Cultivable land	0.4200	
511,512,516	Cultivable land	0.3300	90	Cultivable land	0.3300	Cultivable land	0.3300	
507,508	Cultivable land	0.7000	91	Cultivable land	0.7000	Cultivable land	0.7000	
508	Cultivable land	0.3800	92	Cultivable land	0.3800	Cultivable land	0.3800	
3596	Cultivable land	0.2500	93	Cultivable land	0.2500	Cultivable land	0.2500	
509,510	Cultivable land	0.2100	94	Cultivable land	0.2100	Cultivable land	0.2100	
650	Cultivable land	0.1100	95	Cultivable land	0.1100	Cultivable land	0.1100	
512	Cultivable land	0.5600	96	Cultivable land	0.5600	Cultivable land	0.5600	
513,514,515	Ditch	3.0400	97	Ditch	3.0400	Ditch	3.0400	
516,517	Cultivable land	0.4700	98	Cultivable land	0.4700	Cultivable land	0.4700	
525,526	Cultivable land	0.3200	99	Cultivable land	0.3200	Cultivable land	0.3200	
525	Cultivable land	0.2600	1600	Cultivable land	0.2600	Cultivable land	0.2600	
3335,516,517	Cultivable land	0.8400	1601	Cultivable land	0.8400	Cultivable land	0.8400	
525,526	Cultivable land	0.4900	2	Cultivable land	0.4900	Cultivable land	0.4900	
516,517	Cultivable land	1.1000	3	Homestead	1.1000	Homestead	1.1000	
3335,516,517	Cultivable land	0.7800	4	Cultivable land	0.7800	Cultivable land	0.7800	
3335,516,517	Cultivable land	1.4400	5	Cultivable land	1.4400	Cultivable land	1.4400	
3514	Ditch	1.9700	6	Ditch	1.9700	Ditch	1.9700	
3516	Ditch	6.5700	7	Ditch	6.5700	Ditch	6.5700	
518,3067	Cultivable land	0.4500	8	Cultivable land	0.4500	Cultivable land	0.4500	
3342/3528	Cultivable land	0.4100	9	Cultivable land	0.4100	Cultivable land	0.4100	
3529	Cultivable land	0.1800	10	Cultivable land	0.1800	Cultivable land	0.1800	
3529	Cultivable land	0.3300	11	Cultivable land	0.3300	Cultivable land	0.3300	
3530	Cultivable land	0.4000	12	Homestead	0.4000	Homestead	0.4000	
3530	Cultivable land	0.4000	13	Cultivable land	0.4000	Cultivable land	0.4000	

3530,3532	Cultivable land	0.5000	14	Cultivable land	0.5000	Cultivable land	0.5000	
3531	Cultivable land	0.8100	15	Cultivable land	0.8100	Cultivable land	0.8100	
3531	Cultivable land	0.6600	16	Cultivable land	0.6600	Cultivable land	0.6600	
3532	Cultivable land	0.4900	17	Cultivable land	0.4900	Cultivable land	0.4900	
3532	Cultivable land	0.5200	18	Cultivable land	0.5200	Cultivable land	0.5200	
3532	Cultivable land	0.8700	19	Cultivable land	0.8700	Cultivable land	0.8700	
3335	Cultivable land	0.7700	20	Cultivable land	0.7700	Cultivable land	0.7700	
3534	Homestead	1.0100	21	Homestead	1.0100	Homestead	1.0100	
569/3534	Cultivable land	1.0500	22	Cultivable land	1.0500	Cultivable land	1.0500	
3540	Cultivable land	1.6900	23	Cultivable land	1.6900	Cultivable land	1.6900	
3534,472	Homestead	0.6200	24	Homestead	0.6200	Homestead	0.6200	
3537,3536	Cultivable land	1.3400	25	Cultivable land	1.3400	Cultivable land	1.3400	
572/3537	Homestead	0.6400	26	Homestead	0.6400	Homestead	0.6400	
3536-3538	Cultivable land	1.1400	27	Cultivable land	1.1400	Cultivable land	1.1400	
3536-3538	Cultivable land	2.0200	28	Cultivable land	2.0200	Cultivable land	2.0200	
3536-3538	Cultivable land	0.9000	29	Cultivable land	0.9000	Cultivable land	0.9000	
584/3540	Cultivable land	0.6200	30	Cultivable land	0.6200	Cultivable land	0.6200	
584/3540	Cultivable land	0.5700	31	Cultivable land	0.5700	Cultivable land	0.5700	
3535,3438	Cultivable land	1.8300	32	Cultivable land	1.8300	Cultivable land	1.8300	
3534,584	Cultivable land	1.0000	33	Cultivable land	1.0000	Cultivable land	1.0000	
584	Cultivable land	0.9600	34	Cultivable land	0.9600	Cultivable land	0.9600	
3535	Cultivable land	0.8200	35	Cultivable land	0.8200	Cultivable land	0.8200	
588	Cultivable land	0.9500	36	Cultivable land	0.9500	Cultivable land	0.9500	
588,514	Cultivable land	0.9500	37	Cultivable land	0.9500	Cultivable land	0.9500	
589/3542	Ditch	0.7600	38	Cultivable land	0.7600	Cultivable land	0.7600	
589	Ditch	0.9000	39	Cultivable land	0.9000	Cultivable land	0.9000	
589	Ditch	0.8000	40	Cultivable land	0.8000	Cultivable land	0.8000	
1240	Ditch	1.2000	41	Cultivable land	1.2000	Cultivable land	1.2000	
1240	Ditch	0.4900	42	Cultivable land	0.4900	Cultivable land	0.4900	
3543,1240	Ditch	0.8000	43	Cultivable land	0.8000	Cultivable land	0.8000	
1240/3543	Ditch	1.1000	44	Cultivable land	1.1000	Cultivable land	1.1000	
1240	Ditch	0.9400	45	Cultivable land	0.9400	Cultivable land	0.9400	
1240	Ditch	0.5700	46	Cultivable land	0.5700	Cultivable land	0.5700	
1240	Ditch	0.6100	47	Cultivable land	0.6100	Cultivable land	0.6100	
1240	Ditch	0.9400	48	Cultivable land	0.9400	Cultivable land	0.9400	
1240	Ditch	1.3000	49	Cultivable land	1.3000	Cultivable land	1.3000	
1240	Ditch	1.0600	50	Cultivable land	1.0600	Cultivable land	1.0600	
3543	Ditch	1.1600	51	Cultivable land	1.1600	Cultivable land	1.1600	
1240	Ditch	1.1000	52	Cultivable land	1.1000	Cultivable land	1.1000	
1240/3543	Ditch	0.0700	53	Cultivable land	0.0700	Cultivable land	0.0700	
1240/3543	Ditch	0.6800	54	Homestead	0.6800	Cultivable land	0.6800	
1240/3543	Ditch	0.3300	55	Cultivable land	0.3300	Cultivable land	0.3300	
1210	Ditch	0.6900	56	Cultivable land	0.6900	Cultivable land	0.6900	
1210	Ditch	0.2500	57	Cultivable land	0.2500	Cultivable land	0.2500	
1210	Ditch	0.2800	58	Cultivable land	0.2800	Cultivable land	0.2800	
1210	Ditch	0.5201	59	Cultivable land	0.5201	Cultivable land	0.5201	
1210	Ditch	0.5000	60	Cultivable land	0.5000	Cultivable land	0.5000	
1210	Ditch	0.5600	61	Cultivable land	0.5600	Cultivable land	0.5600	
1210	Ditch	0.5500	62	Cultivable land	0.5500	Cultivable land	0.5500	
1210	Ditch	0.5300	63	Cultivable land	0.5300	Cultivable land	0.5300	
1210/1240	Ditch	0.5300	64	Cultivable land	0.5300	Cultivable land	0.5300	
1210	Ditch	0.3600	65	Cultivable land	0.3600	Cultivable land	0.3600	
1210	Ditch	0.3500	66	Cultivable land	0.3500	Cultivable land	0.3500	
1210	Ditch	0.2400	67	Cultivable land	0.2400	Cultivable land	0.2400	
1210	Ditch	0.3800	68	Cultivable land	0.3800	Cultivable land	0.3800	
1210	Ditch	0.2200	69	Cultivable land	0.2200	Cultivable land	0.2200	
590	Cultivable land	0.2200	70	Cultivable land	0.2200	Cultivable land	0.2200	
590	Cultivable land	0.1600	71	Cultivable land	0.1600	Cultivable land	0.1600	
590,591	Cultivable land	0.3000	72	Cultivable land	0.3000	Cultivable land	0.3000	
593	Cultivable land	0.2700	73	Cultivable land	0.2700	Cultivable land	0.2700	
584	Cultivable land	0.3300	75	Cultivable land	0.3300	Cultivable land	0.3300	
586	Cultivable land	0.3200	76	Cultivable land	0.3200	Cultivable land	0.3200	
585	Cultivable land	0.4500	77	Cultivable land	0.4500	Cultivable land	0.4500	

582,583	Cultivable land	0.9100	78	Cultivable land	0.9100	Cultivable land	0.9100	
584	Cultivable land	0.4900	79	Cultivable land	0.4900	Cultivable land	0.4900	
569,575	Cultivable land	42.8500	80	GTCL	42.8500	GTCL	42.8500	
595	Cultivable land	0.6700	81	Cultivable land	0.6700	Cultivable land	0.6700	
583,594	Cultivable land	0.1200	82	Cultivable land	0.1200	Cultivable land	0.1200	
583,594	Cultivable land	0.1200	83	Cultivable land	0.1200	Cultivable land	0.1200	
580,594	Cultivable land	0.1100	84	Cultivable land	0.1100	Cultivable land	0.1100	
587,593	Cultivable land	0.1100	85	Cultivable land	0.1100	Cultivable land	0.1100	
586,593	Cultivable land	0.1100	86	Cultivable land	0.1100	Cultivable land	0.1100	
592	Cultivable land	0.1200	87	Cultivable land	0.1200	Cultivable land	0.1200	
590,591	Cultivable land	0.1300	88	Cultivable land	0.1300	Cultivable land	0.1300	
590,593,591	Cultivable land	0.9000	89	Cultivable land	0.9000	Cultivable land	0.9000	
1251,1208,1209	Cultivable land	0.3000	90	Cultivable land	0.3000	Cultivable land	0.3000	
1210	Ditch	0.3900	91	Cultivable land	0.3900	Cultivable land	0.3900	
1207,1209	Cultivable land	0.1400	92	Cultivable land	0.1400	Cultivable land	0.1400	
1208	Cultivable land	0.2000	93	Cultivable land	0.2000	Cultivable land	0.2000	
1208	Cultivable land	0.3000	94	Cultivable land	0.3000	Cultivable land	0.3000	
1206	Cultivable land	0.1600	95	Cultivable land	0.1600	Cultivable land	0.1600	
1207	Cultivable land	0.1800	97	Cultivable land	0.1800	Cultivable land	0.1800	
1203	Cultivable land	0.1800	98	Cultivable land	0.1800	Cultivable land	0.1800	
1206	Cultivable land	0.2200	99	Homestead	0.2200	Cultivable land	0.2200	
1206	Cultivable land	0.2300	1700	Cultivable land	0.2300	Cultivable land	0.2300	
1205,1206	Cultivable land	0.1000	1701	Cultivable land	0.1000	Cultivable land	0.1000	
1205,708	Cultivable land	0.1000	2	Cultivable land	0.1000	Cultivable land	0.1000	
1205	Cultivable land	0.1800	3	Cultivable land	0.1800	Cultivable land	0.1800	
1205	Cultivable land	0.1600	4	Cultivable land	0.1600	Cultivable land	0.1600	
1204	Cultivable land	0.3000	5	Cultivable land	0.3000	Cultivable land	0.3000	
1203,1251	Cultivable land	0.2200	6	Cultivable land	0.2200	Cultivable land	0.2200	
1202,1201	Cultivable land	0.7200	7	Cultivable land	0.7200	Cultivable land	0.7200	
1212	Ditch	0.0600	8	Cultivable land	0.0600	Cultivable land	0.0600	
1201	Cultivable land	0.4401	9	Cultivable land	0.4401	Cultivable land	0.4401	
1045	Cultivable land	0.1900	10	Cultivable land	0.1900	Cultivable land	0.1900	
1045	Cultivable land	0.1700	11	Cultivable land	0.1700	Cultivable land	0.1700	
1046,1047	Cultivable land	0.4500	12	Cultivable land	0.4500	Cultivable land	0.4500	
2058	Cultivable land	0.2000	13	Cultivable land	0.2000	Cultivable land	0.2000	
1047	Cultivable land	0.2000	14	Cultivable land	0.2000	Cultivable land	0.2000	
1048	Cultivable land	0.5600	15	Cultivable land	0.5600	Cultivable land	0.5600	
1049	Cultivable land	0.4600	16	Cultivable land	0.4600	Cultivable land	0.4600	
1049	Cultivable land	0.3000	17	Cultivable land	0.3000	Cultivable land	0.3000	
1050	Cultivable land	0.1800	18	Cultivable land	0.1800	Cultivable land	0.1800	
1050	Cultivable land	0.1500	19	Cultivable land	0.1500	Homestead	0.1500	
739,735	Cultivable land	0.1500	20	Cultivable land	0.1500	Homestead	0.1500	
739	Cultivable land	0.1200	21	Cultivable land	0.1200	Homestead	0.1200	
738	Cultivable land	0.1600	22	Cultivable land	0.1600	Homestead	0.1600	
738	Cultivable land	0.4000	23	Cultivable land	0.4000	Cultivable land	0.4000	
738	Cultivable land	0.2900	24	Cultivable land	0.2900	Cultivable land	0.2900	
738	Cultivable land	0.2400	25	Cultivable land	0.2400	Cultivable land	0.2400	
596	Cultivable land	0.2000	26	Cultivable land	0.2000	Cultivable land	0.2000	
596	Cultivable land	0.3100	27	Cultivable land	0.3100	Cultivable land	0.3100	
596	Cultivable land	0.3100	28	Cultivable land	0.3100	Cultivable land	0.3100	
598	Cultivable land	0.7500	29	Cultivable land	0.7500	Cultivable land	0.7500	
597	Cultivable land	0.1800	30	Cultivable land	0.1800	Cultivable land	0.1800	
597,599	Cultivable land	0.1100	31	Cultivable land	0.1100	Cultivable land	0.1100	
597	Cultivable land	0.1500	32	Cultivable land	0.1500	Cultivable land	0.1500	
597	Cultivable land	0.1100	33	Cultivable land	0.1100	Cultivable land	0.1100	
735	Cultivable land	0.2300	34	Cultivable land	0.2300	Cultivable land	0.2300	
597,737	Cultivable land	0.1600	35	Cultivable land	0.1600	Cultivable land	0.1600	
737	Cultivable land	0.1500	36	Cultivable land	0.1500	Cultivable land	0.1500	
737	Cultivable land	0.1500	37	Cultivable land	0.1500	Cultivable land	0.1500	
737	Cultivable land	0.3100	38	Cultivable land	0.3100	Cultivable land	0.3100	
736	Cultivable land	0.2200	39	Cultivable land	0.2200	Cultivable land	0.2200	
745	Cultivable land	0.1400	40	Cultivable land	0.1400	Cultivable land	0.1400	
737	Cultivable land	0.3600	41	Cultivable land	0.3600	Cultivable land	0.3600	

739,740	Cultivable land	0.2200	42	Cultivable land	0.2200	Cultivable land	0.2200	
745	Cultivable land	0.1700	43	Cultivable land	0.1700	Cultivable land	0.1700	
744	Cultivable land	0.1500	44	Cultivable land	0.1500	Homestead	0.1500	
741,742	Cultivable land	0.1800	45	Homestead	0.1800	Homestead	0.1800	
60,729	Cultivable land	7.6200	46	GTCL	7.6200	GTCL	7.6200	
711,730	Cultivable land	12.990	47	Road	12.9900	Road	12.9900	
467,465	Ditch	15.430	48	Ditch	15.4300	Pond	15.4300	
412	Cultivable land	0.9000	49	Ditch	0.9000	Ditch	0.9000	
420,421	Cultivable land	0.9700	50	Graveyard	0.9700	Graveyard	0.9700	
415,416,419	Ditch, H	0.6600, 25	51	Ditch	0.9100	Ditch	0.9100	
407,417	Homestead	1.9100	52	Road	1.9100	Road	1.9100	
408	Homestead	0.0100	53	Homestead	0.0100	Homestead	0.0100	
407	Homestead	0.0500	54	Homestead	0.0500	Homestead	0.0500	
407	Homestead	0.0700	55	Homestead	0.0700	Homestead	0.0700	
407,165	Homestead	0.1500	56	Homestead	0.1500	Homestead	0.1500	
406,407	Homestead	0.0502	57	Homestead	0.0502	Homestead	0.0502	
406,407	Homestead	0.0200	58	Homestead	0.0200	Homestead	0.0200	
166,407	Homestead	0.1000	59	Homestead	0.1000	Homestead	0.1000	
404,406	Homestead	0.2000	60	Homestead	0.2000	Homestead	0.2000	
405,167	Homestead	0.0500	61	Homestead	0.0500	Homestead	0.0500	
403,405	Homestead	0.3200	62	Homestead	0.3200	Homestead	0.3200	
169	Homestead	0.3200	63	Homestead	0.3200	Homestead	0.3200	
401-404	Homestead	0.1800	64	Homestead	0.1800	Homestead	0.1800	
170	Homestead	0.0500	65	Homestead	0.0500	Homestead	0.0500	
169,170	Homestead	0.0500	66	Homestead	0.0500	Homestead	0.0500	
173	Homestead	0.0300	67	Homestead	0.0300	Homestead	0.0300	
170,171	Homestead	0.0600	68	Homestead	0.0600	Homestead	0.0600	
173	Homestead	0.0300	69	Homestead	0.0300	Homestead	0.0300	
170	Homestead	0.0500	70	Homestead	0.0500	Homestead	0.0500	
397,400	Homestead	0.2902	71	Homestead	0.2902	Homestead	0.2902	
396,394	Homestead	0.1500	72	Homestead	0.1500	Homestead	0.1500	
391	Homestead	0.1200	73	Homestead	0.1200	Homestead	0.1200	
391,394	Homestead	0.0400	74	Homestead	0.0400	Homestead	0.0400	
392,393	Homestead	0.0600	75	Homestead	0.0600	Homestead	0.0600	
391,392	Homestead	0.1600	76	Homestead	0.1600	Homestead	0.1600	
387-390	Homestead	0.2800	77	Homestead	0.2800	Homestead	0.2800	
387	Homestead	0.1000	78	Homestead	0.1000	Homestead	0.1000	
387,388	Homestead	0.1800	79	Homestead	0.1800	Homestead	0.1800	
386	Cultivable land	0.1402	80	Homestead	0.1402	Homestead	0.1402	
383	Cultivable land	0.1000	81	Homestead	0.1000	Homestead	0.1000	
381,382	Homestead	0.1800	82	Homestead	0.1800	Homestead	0.1800	
179	Ditch	0.1400	83	Ditch	0.1400	Ditch	0.1400	
188	Cultivable land	0.1200	84	Homestead	0.1200	Homestead	0.1200	
379	Homestead	0.4800	85	Homestead	0.4800	Homestead	0.4800	
188,379	Cultivable land	0.1000	86	Homestead	0.1000	Homestead	0.1000	
377,378,379	Cultivable land	0.6400	87	Homestead	0.6400	Homestead	0.6400	
375,376	Homestead	0.3200	88	Homestead	0.3200	Homestead	0.3200	
373,374	Cultivable land	0.2600	89	Homestead	0.2600	Homestead	0.2600	
192	Fallow	0.1401	90	Homestead	0.1401	Homestead	0.1401	
371,372	Homestead Cultivable land	0.4100 0.420	91	Homestead	0.8300	Homestead	0.8300	
370,359	Homestead	0.2200	92	Homestead	0.2200	Homestead	0.2200	
367,368	Homestead	0.5400	93	Homestead	0.5400	Homestead	0.5400	
456	Cultivable land	0.2200	94	Homestead	0.2200	Homestead	0.2200	
473	Cultivable land	0.1300	95	Homestead	0.1300	Homestead	0.1300	
363,215	Homestead	0.5000	96	Homestead	0.5000	Homestead	0.5000	
368,353	Cultivable land	0.2200	97	Homestead	0.2200	Homestead	0.2200	
359	Homestead	0.2300	98	Homestead	0.2300	Homestead	0.2300	
356,276,353,355	Homestead	0.6400	99	Homestead	0.6400	Homestead	0.6400	
355	Homestead	0.0500	1800	Homestead	0.0500	Homestead	0.0500	
354	Homestead	0.1200	1801	Homestead	0.1200	Homestead	0.1200	
217	Ditch	0.1200	2	Homestead	0.1200	Homestead	0.1200	

217,355	Ditch	0.1700	3	Homestead	0.1700	Homestead	0.1700	
353	Ditch	0.1000	4	Homestead	0.1000	Homestead	0.1000	
217,353	Ditch	0.2000	5	Ditch	0.2000	Homestead	0.2000	
353	Ditch	0.2000	6	Ditch	0.2000	Homestead	0.2000	
355	Ditch	0.2200	7	Ditch	0.2200	Homestead	0.2200	
359	Homestead Ditch	0.2400	8	Homestead Ditch	0.0600 0.1800	Homestead	0.2400	
356	Ditch	0.1500	9	Ditch	0.1500	Homestead	0.1500	
461,462	Cultivable land	0.0500	10	Homestead	0.0500	Homestead	0.0500	
461	Cultivable land	0.0400	11	Homestead	0.0400	Homestead	0.0400	
3057	Cultivable land	0.0400	12	Homestead	0.0400	Homestead	0.0400	
462	Cultivable land	0.0800	13	Homestead	0.0800	Homestead	0.0800	
462,463	Cultivable land	0.0900	14	Homestead	0.0900	Homestead	0.0900	
463	Cultivable land	0.1200	15	Homestead	0.1200	Homestead	0.1200	
463	Cultivable land	0.0900	16	Homestead	0.0900	Homestead	0.0900	
484	Homestead	0.0900	17	Homestead	0.0900	Homestead	0.0900	
484	Homestead	0.0800	18	Homestead	0.0800	Homestead	0.0800	
486	Homestead	0.1400	19	Homestead	0.1400	Homestead	0.1400	
489	Homestead	0.0700	20	Homestead	0.0700	Homestead	0.0700	
488	Homestead	0.1400	21	Homestead	0.1400	Homestead	0.1400	
496	Homestead	0.0200	22	Homestead	0.0200	Homestead	0.0200	
491	Homestead	0.0400	23	Homestead	0.0400	Homestead	0.0400	
491,493,494	Homestead	0.1600	24	Homestead	0.1600	Homestead	0.1600	
494	Homestead	0.0300	25	Homestead	0.0300	Homestead	0.0300	
495	Homestead	0.0400	26	Homestead	0.0400	Homestead	0.0400	
495,496	Homestead	0.0600	27	Homestead	0.0600	Homestead	0.0600	
496,325	Homestead	0.0200	28	Homestead	0.0200	Homestead	0.0200	
528, 497	Cultivable land	0.0600	29	Homestead	0.0600	Homestead	0.0600	
497	Cultivable land	0.0600	30	Homestead	0.0600	Homestead	0.0600	
497	Cultivable land	0.1500	31	Homestead	0.1500	Homestead	0.1500	
532	Cultivable land	0.0800	32	Homestead	0.0800	Homestead	0.0800	
533,535	Cultivable land	0.1300	33	Homestead	0.1300	Homestead	0.1300	
313,314	Homestead	0.0600	34	Homestead	0.0600	Homestead	0.0600	
537	Cultivable land	0.1200	35	Homestead	0.1200	Homestead	0.1200	
538	Cultivable land	0.1200	36	Homestead	0.1200	Homestead	0.1200	
542	Cultivable land	0.1700	37	Homestead	0.1700	Homestead	0.1700	
543	Cultivable land	0.0600	38	Homestead	0.0600	Homestead	0.0600	
543	Cultivable land	0.0900	39	Homestead	0.0900	Homestead	0.0900	
2965	Cultivable land	0.0800	40	Homestead	0.0800	Homestead	0.0800	
2965	Cultivable land	0.0800	41	Homestead	0.0800	Homestead	0.0800	
543	Cultivable land	0.0200	42	Path	0.0200	Path	0.0200	
2965	Cultivable land	0.1800	43	Homestead	0.1800	Homestead	0.1800	
2965	Cultivable land	0.0700	44	Homestead	0.0700	Homestead	0.0700	
3082	Cultivable land	0.0700	45	Homestead	0.0700	Homestead	0.0700	
612,3079	Homestead	0.0800	46	Homestead	0.0800	Homestead	0.0800	
611	Homestead	0.1000	47	Homestead	0.1000	Homestead	0.1000	
611	Homestead	0.0300	48	Homestead	0.0300	Homestead	0.0300	
601,728	Hallot	0.1000	49	Hallot	0.1000	Hallot	0.1000	
760	Cultivable land	0.0900	50	Homestead	0.0900	Homestead	0.0900	
760	Cultivable land	0.0900	51	Homestead	0.0900	Homestead	0.0900	
730,759	Cultivable land	0.8800	52	Homestead Mill	0.2800 0.6000	Homestead Mill	0.2800 0.6000	
759	Cultivable land	0.1700	53	Homestead	0.1700	Homestead	0.1700	
759,751	Cultivable land	0.1700	54	Homestead	0.1700	Homestead	0.1700	
762,763	Homestead	0.0600	56	Homestead	0.0600	Homestead	0.0600	
762	Homestead	0.0060	57	Homestead	0.0060	Homestead	0.0060	
762	Homestead	0.0500	58	Homestead	0.0500	Homestead	0.0500	
761	Homestead	0.0700	59	Homestead	0.0700	Homestead	0.0700	
758,612	Homestead	0.3800	60	Office Resident	0.3000 0.0800	Office	0.3000 0.0800	
728	Hallot	0.2000	61	Hallot	0.2000	Hallot	0.2000	
728	Hallot	0.1700	62	Hallot	0.1700	Hallot	0.1700	
723	Homestead	0.1800	63	Homestead	0.1800	Homestead	0.1800	

724	Cultivable land	0.2800	64	Homestead	0.2800	Homestead	0.2800	
725	Cultivable land	0.2900	65	Homestead	0.2900	Homestead	0.2900	
758,612	Homestead	0.2400	66	Homestead Ditch	0.2400	Homestead Ditch	0.2400	
726	Cultivable land	0.5900	67	Homestead	0.5900	Homestead	0.5900	
632	Ditch	0.4000	68	Homestead	0.4000	Homestead	0.4000	
632	Ditch	0.5100	69	Homestead Ditch	0.2100 0.3000	Homestead Ditch	0.2100 0.3000	
632	Ditch	0.3900	70	Ditch	0.3900	Homestead	0.3900	
631,633	Ditch Homestead	0.1500 0.1000	71	Ditch Homestead	0.1500 0.1000	Homestead	0.2500	
631,633	Ditch Homestead	0.1500 0.1500	72	Ditch Homestead	0.1500 0.1500	Homestead	0.3000	
630,634	Ditch Homestead	0.3000 0.2000	73	Ditch	0.5000	Homestead	0.5000	
627,628	Homestead Ditch	0.3001 0.2600	74	Ditch Homestead	0.3001 0.2600	Homestead	0.5601	
623-627	Homestead	0.3100	75	Homestead	0.3100	Homestead	0.3100	
621,622,640	Homestead	0.2800	76	Homestead	0.2800	Homestead	0.2800	
622	Homestead	0.2800	77	Homestead	0.2800	Homestead	0.2800	
619	Homestead Ditch	0.2000 0.1100	78	Homestead	0.3100	Homestead	0.3100	
617,618	Homestead	0.1500	79	Homestead	0.1500	Homestead	0.1500	
615,616	Homestead	0.1200	80	Homestead	0.1200	Homestead	0.1200	
615,616	Homestead	0.3300	81	Homestead	0.3300	Homestead	0.3300	
612	Homestead Ditch	0.0600 0.1200	82	Homestead	0.1800	Homestead	0.1800	
613,614	Homestead Ditch	0.0700 0.1000	83	Homestead	0.1700	Homestead	0.1700	
308,309	Ditch	0.2200	84	Ditch	0.2200	Homestead	0.2200	
320	Ditch	0.1300	85	Homestead	0.1300	Homestead	0.1300	
319	Homestead	0.2200	86	Homestead	0.2200	Homestead	0.2200	
311,313	Homestead	0.3600	87	Homestead	0.3600	Homestead	0.3600	
316,317	Homestead	0.4000	88	Homestead	0.4000	Homestead	0.4000	
318,319	Homestead	0.1300	89	Homestead	0.1300	Homestead	0.1300	
320,321,328	Homestead	0.1301	90	Homestead	0.1301	Homestead	0.1301	
322	Homestead	0.2700	91	Homestead	0.2700	Homestead	0.2700	
325	Homestead	0.2200	92	Homestead	0.2200	Homestead	0.2200	
316,317	Homestead	0.1400	93	Homestead	0.1400	Homestead	0.1400	
325,265	Homestead	0.1000	94	Homestead	0.1000	Homestead	0.1000	
326-328	Homestead	0.1000	95	Homestead	0.1000	Homestead	0.1000	
316,317	Homestead	0.0900	96	Homestead	0.0900	Homestead	0.0900	
327	Homestead	0.1700	97	Homestead	0.1700	Homestead	0.1700	
327,332	Homestead	0.0900	98	Homestead	0.0900	Homestead	0.0900	
333	Ditch	0.2000	99	Ditch	0.2000	Ditch	0.2000	
336	Homestead	0.1300	1900	Homestead	0.1300	Homestead	0.1300	
335	Homestead	0.2000	1901	Homestead	0.2000	Homestead	0.2000	
337	Homestead	0.2000	2	Homestead	0.2000	Homestead	0.2000	
339,340	Homestead	0.1800	3	Homestead	0.1800	Homestead	0.1800	
339,340	Homestead	0.1600	4	Homestead	0.1600	Homestead	0.1600	
343,344	Homestead	0.2900	5	Homestead	0.2900	Homestead	0.2900	
2964	Homestead	0.3200	6	Homestead	0.3200	Homestead	0.3200	
347,348	Homestead	0.1600	7	Homestead	0.1600	Homestead	0.1600	
349	Homestead	0.1900	8	Homestead	0.1900	Homestead	0.1900	
351,352	Homestead	0.1400	9	Homestead	0.1400	Homestead	0.1400	
350,351	Homestead	0.6002	10	Homestead	0.6002	Homestead	0.6002	
350,351	Homestead	0.1500	11	Graveyard	0.1500	Graveyard	0.1500	
343	Homestead	0.1600	12	Homestead	0.1600	Homestead	0.1600	
233,343,260	Homestead	0.1800	13	Homestead	0.1800	Homestead	0.1800	
342	Homestead	0.1900	14	Homestead	0.1900	Homestead	0.1900	
261,262,337,338,3	Homestead	1.1500	15	Homestead	1.1500	Homestead	1.1500	

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263	Homestead	0.1400	16	Homestead	0.1400	Homestead	0.1400	
335,336	Homestead	0.2001	17	Homestead	0.2001	Homestead	0.2001	
3049,3050	Homestead	0.1600	18	Homestead	0.1600	Homestead	0.1600	
333,336	Homestead Ditch	0.1200 0.1200	19	Homestead	0.2400	Homestead	0.2400	
263,264	Cultivable land	0.0200	20	Path(G)	0.0200	Path(G)	0.0200	
264,331,332	Ditch	0.0600	21	Homestead	0.0600	Homestead	0.0600	
264,332,327	Ditch Homestead	0.2000 0.1400	22	Ditch Homestead	0.2000 0.1400	Homestead	0.3400	
265	Cultivable land	0.1300	23	Homestead	0.1300	Homestead	0.1300	
329	Homestead	0.1000	24	Homestead	0.1000	Homestead	0.1000	
328	Homestead	0.1300	25	Homestead	0.1300	Homestead	0.1300	
324,266	Homestead	0.1600	26	Homestead	0.1600	Homestead	0.1600	
324,266	Homestead	0.3100	27	Homestead	0.3100	Homestead	0.3100	
324,325	Homestead	0.4600	28	Homestead	0.4600	Homestead	0.4600	
330	Homestead	0.4000	29	Homestead	0.4000	Homestead	0.4000	
320,321	Ditch	0.1501	30	Homestead	0.1501	Homestead	0.1501	
320,321	Ditch	0.2201	31	Homestead	0.2201	Homestead	0.2201	
318,319	Ditch	0.1800	32	Homestead	0.1800	Homestead	0.1800	
316	Homestead	0.3300	33	Homestead	0.3300	Homestead	0.3300	
302	Pond	0.6010	34	Pond	0.6010	Pond	0.6010	
307,302	Pond	0.0200	35	Homestead	0.0200	Homestead	0.0200	
316,2962	Homestead	0.1000	36	Homestead	0.1000	Homestead	0.1000	
538,539,542	Cultivable land	0.1200	37	Homestead	0.1200	Homestead	0.1200	
2962	Homestead	0.2700	38	Homestead	0.2700	Homestead	0.2700	
310,311	Homestead	0.4500	39	Homestead	0.4500	Homestead	0.4500	
309	Graveyard	0.1300	40	Graveyard	0.1300	Graveyard	0.1300	
309	Mosque	0.1000	41	Mosque	0.1000	Mosque	0.1000	
303-305	Pond	0.5300	42	Pond	0.5300	Pond	0.5300	
613,614	Homestead	0.1400	43	Homestead	0.1400	Homestead	0.1400	
615,614	Homestead	0.1800	44	Homestead	0.1800	Homestead	0.1800	
615,616,637	Homestead	0.4400	45	Homestead	0.4400	Homestead	0.4400	
618,637,633	Homestead	0.2000	46	Homestead	0.2000	Homestead	0.2000	
339,619	Homestead	0.2900	47	Homestead	0.2900	Homestead	0.2900	
622,640	Homestead	0.2800	48	Homestead	0.2800	Homestead	0.2800	
622,640	Homestead	0.2900	49	Homestead	0.2900	Homestead	0.2900	
623	Homestead	0.3000	50	Homestead	0.3000	Homestead	0.3000	
627	Homestead	0.5900	51	Homestead	0.5900	Homestead	0.5900	
626,627	Homestead	0.1800	52	Homestead	0.1800	Homestead	0.1800	
714/3092	Cultivable land	0.3000	53	Homestead	0.3000	Homestead	0.3000	
710,715,632	Cultivable land	0.2200	54	Homestead	0.2200	Homestead	0.2200	
715,719,720	Cultivable land Road	0.1700 0.0500	55	Homestead	0.2200	Homestead	0.2200	
715,720	Cultivable land Homestead	0.1200 0.1100	56	Homestead	0.2300	Homestead	0.2300	
720	Homestead	0.2200	57	Homestead	0.2200	Homestead	0.2200	
721	Homestead	0.1100	58	Homestead	0.1100	Homestead	0.1100	
721	Homestead	0.1100	59	Homestead	0.1100	Homestead	0.1100	
721	Homestead	0.1100	60	Homestead	0.1100	Homestead	0.1100	
721	Homestead	0.1100	61	Homestead	0.1100	Homestead	0.1100	
722	Homestead	0.2100	62	Homestead	0.2100	Homestead	0.2100	
723	Homestead	0.2000	63	Homestead	0.2000	Homestead	0.2000	
723	Homestead	0.2200	64	Homestead	0.2200	Homestead	0.2200	
882	Hallot(G)	0.0200	65	Hallot(G)	0.0200	Hallot(G)	0.0200	
762	Homestead	0.3400	66	Homestead	0.3400	Homestead	0.3400	
762	Homestead	0.2300	67	Homestead	0.2300	Homestead	0.2300	
763	Homestead	0.3000	68	Homestead	0.3000	Homestead	0.3000	
763	Homestead	1.5700	69	Road(G)	1.5700	Road(G)	1.5700	
877	Cultivable land	0.3200	70	Cultivable land	0.3200	Homestead	0.3200	
880,881	Cultivable land	0.4400	71	Cultivable land	0.4400	Homestead	0.4400	

881	Cultivable land	0.0600	72	Cultivable land	0.0600	Homestead	0.0600	
881	Cultivable land	0.1500	73	Cultivable land	0.1500	Homestead	0.1500	
879,881,887	Cultivable land	0.3600	74	Cultivable land	0.3600	Homestead	0.3600	
877	Cultivable land	0.1200	75	Cultivable land	0.1200	Homestead	0.1200	
881	Cultivable land	0.1500	76	Cultivable land	0.1500	Homestead	0.1500	
881	Cultivable land	0.1500	77	Cultivable land	0.1500	Homestead	0.1500	
888	Cultivable land	0.1800	78	Homestead	0.1800	Homestead	0.1800	
078	Cultivable land	0.0800	79	Homestead	0.0800	Homestead	0.0800	
884	Cultivable land	0.1700	80	Homestead	0.1700	Homestead	0.1700	
884	Cultivable land	0.1000	81	Cultivable land	0.1000	Homestead	0.1000	
884	Cultivable land	0.3100	82	Cultivable land	0.3100	Homestead	0.3100	
884,885	Cultivable land	0.1000	83	Cultivable land	0.1000	Homestead	0.1000	
885,887	Cultivable land	0.1200	84	Cultivable land	0.1200	Homestead	0.1200	
885,887	Cultivable land	0.1200	85	Cultivable land	0.1200	Homestead	0.1200	
884,885	Cultivable land	0.1000	86	Cultivable land	0.1000	Homestead	0.1000	
884,885	Cultivable land	0.0600	87	Cultivable land	0.0600	Homestead	0.0600	
884,885	Cultivable land	0.0700	88	Cultivable land	0.0700	Homestead	0.0700	
884,885	Cultivable land	0.1600	89	Cultivable land	0.1600	Homestead	0.1600	
887,888	Cultivable land	0.1800	90	Homestead	0.1800	Homestead	0.1800	
887,888	Cultivable land	0.4200	91	Hallot(G)	0.4200	Hallot(G)	0.4200	
708	Cultivable land	0.7000	92	Homestead	0.7000	Resident	0.7000	
708	Cultivable land	0.1000	93	Homestead	0.1000	Resident	0.1000	
883	Ditch	0.2400	94	Homestead	0.2400	Homestead	0.2400	
692	Cultivable land	0.2800	95	Homestead	0.2800	Homestead	0.2800	
693	Cultivable land	0.1800	96	Homestead	0.1800	Homestead	0.1800	
694	Cultivable land	0.2800	97	Cultivable land	0.2800	Homestead	0.2800	
695	Cultivable land	0.3800	98	Cultivable land	0.3800	Homestead	0.3800	
697,698	Cultivable land	0.2000	99	Cultivable land	0.2000	Homestead	0.2000	
699	Cultivable land	0.2300	2000	Cultivable land	0.2300	Homestead	0.2300	
697,698	Cultivable land	0.5800	2001	Cultivable land	0.5800	Homestead	0.5800	
707	Cultivable land	0.3100	2	Cultivable land	0.3100	Homestead	0.3100	
707,708	Cultivable land	0.9800	3	Cultivable land	0.9800	Homestead	0.9800	
708	Cultivable land	0.1900	4	Cultivable land	0.1900	Homestead	0.1900	
708	Cultivable land	0.2200	5	Ditch	0.2200	Ditch	0.2200	
708	Cultivable land	0.1800	6	Homestead	0.1800	Homestead	0.1800	
709	Cultivable land	0.0900	7	Homestead	0.0900	Homestead	0.0900	
708	Cultivable land	0.0900	8	Homestead	0.0900	Homestead	0.0900	
709	Cultivable land	0.0600	9	Homestead	0.0600	Homestead	0.0600	
709	Cultivable land	0.1200	10	Homestead	0.1200	Homestead	0.1200	
708,709	Cultivable land	0.1100	11	Homestead	0.1100	Homestead	0.1100	
710	Cultivable land	0.0600	12	Homestead	0.0600	Homestead	0.0600	
710,711	Cultivable land	0.3500	13	Homestead	0.3500	Homestead	0.3500	
710,711	Cultivable land	0.2100	14	Homestead	0.2100	Homestead	0.2100	
715,3015	Cultivable land	0.4200	15	Homestead	0.4200	Homestead	0.4200	
716	Cultivable land	0.4300	16	Homestead	0.4300	Homestead	0.4300	
717	Cultivable land	0.1900	17	Homestead	0.1900	Homestead	0.1900	
717,718	Cultivable land	0.1800	18	Homestead	0.1800	Homestead	0.1800	
718	Cultivable land	0.1100	19	Homestead	0.1100	Homestead	0.1100	
718	Cultivable land	0.1500	20	Homestead	0.1500	Homestead	0.1500	
716	Cultivable land	0.1000	21	Homestead	0.1000	Homestead	0.1000	
715,3015	Cultivable land	0.1300	22	Homestead	0.1300	Homestead	0.1300	
714	Cultivable land	0.1800	23	Homestead	0.1800	Homestead	0.1800	
714	Cultivable land	0.2400	24	Homestead	0.2400	Homestead	0.2400	
712	Cultivable land	0.1900	25	Cultivable land	0.1900	Homestead	0.1900	
712	Cultivable land	0.1900	26	Cultivable land	0.1900	Homestead	0.1900	
711,625	Cultivable land	0.2400	27	Cultivable land	0.2400	Homestead	0.2400	
706	Cultivable land	0.2300	28	Cultivable land	0.2300	Homestead	0.2300	
648	Cultivable land	0.3100	29	Cultivable land	0.3100	Homestead	0.3100	
648	Cultivable land	0.1300	30	Cultivable land	0.1300	Homestead	0.1300	
648	Cultivable land	0.1600	31	Cultivable land	0.1600	Homestead	0.1600	
713	Cultivable land	0.4000	32	Cultivable land	0.4000	Homestead	0.4000	
647	Homestead	0.1200	33	Cultivable land	0.1200	Homestead	0.1200	
646	Homestead	0.1200	34	Cultivable land	0.1200	Homestead	0.1200	

645	Homestead	0.0600	35	Homestead	0.0600	Homestead	0.0600
645	Graveyard	0.0600	36	Graveyard	0.0600	Graveyard	0.0600
644,645	Homestead	0.0500	37	Graveyard	0.0500	Graveyard	0.0500
644,645	Homestead	0.0500	38	Homestead	0.0500	Homestead	0.0500
645,646	Homestead	0.1400	39	Homestead	0.1400	Homestead	0.1400
645,646	Homestead	0.1300	40	Homestead	0.1300	Homestead	0.1300
642,643	Homestead	0.2601	41	Homestead	0.2601	Homestead	0.2601
648,649	Cultivable land	0.1600	42	Cultivable land	0.1600	Homestead	0.1600
648,649	Cultivable land	0.2100	43	Cultivable land	0.2100	Homestead	0.2100
650,649	Ditch	0.1800	44	Ditch	0.1800	Pond	0.1800
650,649	Ditch	0.1800	45	Homestead	0.1800	Homestead	0.1800
650,649	Ditch	0.2000	46	Homestead	0.2000	Homestead	0.2000
641,642,643	Homestead	0.1700	47	Homestead	0.1700	Homestead	0.1700
638,639,640	Cultivable land	0.1000	48	Homestead	0.1000	Homestead	0.1000
637	Cultivable land	0.0200	49	Homestead	0.0200	Homestead	0.0200
637	Cultivable land	0.0700	50	Homestead	0.0700	Homestead	0.0700
650,651	Cultivable land	0.2000	51	Homestead	0.2000	Homestead	0.2000
714/3092	Cultivable land	0.2500	52	Homestead	0.2500	Homestead	0.2500
651,660	Cultivable land	0.1000	53	Cultivable land	0.1000	Homestead	0.1000
650,651	Cultivable land	0.0500	54	Cultivable land	0.0500	Homestead	0.0500
652	Cultivable land	0.1500	55	Cultivable land	0.1500	Homestead	0.1500
653	Cultivable land	0.1400	56	Cultivable land	0.1400	Homestead	0.1400
654	Cultivable land	0.1200	57	Cultivable land	0.1200	Homestead	0.1200
649,654	Cultivable land	0.1700	58	Cultivable land	0.1700	Homestead	0.1700
704	Cultivable land	0.1400	59	Cultivable land	0.1400	Homestead	0.1400
706	Cultivable land	0.2100	60	Cultivable land	0.2100	Homestead	0.2100
705	Cultivable land	0.2200	61	Cultivable land	0.2200	Homestead	0.2200
705	Cultivable land	0.1600	62	Cultivable land	0.1600	Homestead	0.1600
702	Cultivable land	0.2300	63	Cultivable land	0.2300	Homestead	0.2300
701	Cultivable land	0.1800	64	Cultivable land	0.1800	Homestead	0.1800
657,700	Cultivable land	0.1200	65	Homestead	0.1200	Homestead	0.1200
697,698	Cultivable land	0.2100	66	Cultivable land	0.2100	Homestead	0.2100
701	Cultivable land	0.1800	67	Cultivable land	0.1800	Homestead	0.1800
702	Cultivable land	0.1400	68	Cultivable land	0.1400	Homestead	0.1400
703	Cultivable land	0.2600	69	Cultivable land	0.2600	Homestead	0.2600
700	Cultivable land	0.2500	70	Cultivable land	0.2500	Homestead	0.2500
654,703	Cultivable land	0.2200	71	Cultivable land	0.2200	Homestead	0.2200
655,656	Cultivable land	0.1000	72	Cultivable land	0.1000	Homestead	0.1000
657	Cultivable land	0.1100	73	Cultivable land	0.1100	Homestead	0.1100
657	Cultivable land	0.0800	74	Cultivable land	0.0800	Homestead	0.0800
656	Cultivable land	0.1000	75	Cultivable land	0.1000	Homestead	0.1000
660	Cultivable land	0.0800	76	Cultivable land	0.0800	Homestead	0.0800
662	Cultivable land	0.2000	77	Cultivable land	0.2000	Homestead	0.2000
662,663	Cultivable land	0.5600	78	Cultivable land	0.5600	Homestead	0.5600
664,665	Cultivable land	0.2400	79	Cultivable land	0.2400	Homestead	0.2400
663,664	Cultivable land	0.0800	80	Cultivable land	0.0800	Homestead	0.0800
664	Cultivable land	0.0800	81	Cultivable land	0.0800	Homestead	0.0800
663	Cultivable land	0.2000	82	Cultivable land	0.2000	Homestead	0.2000
662,663	Cultivable land	0.2200	83	Cultivable land	0.2200	Homestead	0.2200
662,663	Cultivable land	0.2200	84	Cultivable land	0.2200	Homestead	0.2200
659,660	Cultivable land	0.0800	85	Cultivable land	0.0800	Homestead	0.0800
658	Cultivable land	0.1200	86	Cultivable land	0.1200	Homestead	0.1200
290	Cultivable land	0.3000	87	Cultivable land	0.3000	Homestead	0.3000
293	Cultivable land	0.2800	88	Cultivable land	0.2800	Homestead	0.2800
700	Cultivable land	0.2600	89	Cultivable land	0.2600	Homestead	0.2600
294	Cultivable land	0.3700	90	Cultivable land	0.3700	Homestead	0.3700
296	Cultivable land	0.0800	91	Cultivable land	0.0800	Homestead	0.0800
297	Cultivable land	0.1200	92	Cultivable land	0.1200	Homestead	0.1200
298	Cultivable land	0.2500	93	Cultivable land	0.2500	Homestead	0.2500
300	Cultivable land	0.5700	94	Cultivable land	0.5700	Homestead	0.5700
651	Cultivable land	0.0800	95	Cultivable land	0.0800	Homestead	0.0800
297,298	Cultivable land	0.0800	96	Cultivable land	0.0800	Homestead	0.0800
298	Cultivable land	0.0800	97	Cultivable land	0.0800	Homestead	0.0800

637,305	Cultivable land	0.0300	98	Homestead	0.0300	Homestead	0.0300
274,305	Cultivable land	0.0100	99	Homestead	0.0100	Homestead	0.0100
304,305	Cultivable land	0.2400	2100	Homestead	0.2400	Homestead	0.2400
297,299,304,305	Cultivable land	0.4800	2101	Homestead	0.4800	Homestead	0.4800
302,303	Cultivable land	0.2500	2	School	0.2500	School	0.2500
302	Cultivable land	0.3100	3	Homestead	0.3100	Homestead	0.3100
302	Cultivable land	0.2000	4	Homestead	0.2000	Homestead	0.2000
270	Cultivable land	0.0200	5	Graveyard	0.0200	Graveyard	0.0200
270,271,301	Cultivable land	0.6300	6	Homestead	0.6300	Homestead	0.6300
265	Cultivable land	0.2700	7	Homestead	0.2700	Homestead	0.2700
268	Cultivable land	0.1000	8	Homestead	0.1000	Homestead	0.1000
268	Cultivable land	0.1000	9	Homestead	0.1000	Homestead	0.1000
266,267	Cultivable land	0.1800	10	Homestead	0.1800	Homestead	0.1800
266	Cultivable land	0.1300	11	Homestead	0.1300	Homestead	0.1300
266	Cultivable land	0.1000	12	Homestead	0.1000	Homestead	0.1000
265,266	Cultivable land	0.1300	13	Homestead	0.1300	Homestead	0.1300
265	Cultivable land	0.0900	14	Homestead	0.0900	Homestead	0.0900
264	Cultivable land	0.3900	15	Homestead	0.3900	Homestead	0.3900
263	Cultivable land	0.1401	16	Homestead	0.1401	Homestead	0.1401
263	Cultivable land	0.1300	17	Homestead	0.1300	Homestead	0.1300
259,260	Cultivable land	0.0800	18	Homestead	0.0800	Homestead	0.0800
261	Cultivable land	0.3400	19	Homestead	0.3400	Homestead	0.3400
258	Cultivable land	0.1400	20	Cultivable land	0.1400	Homestead	0.1400
258	Cultivable land	0.2400	21	Cultivable land	0.2400	Homestead	0.2400
258	Cultivable land	0.2101	22	Homestead	0.2101	Homestead	0.2101
258,3041	Cultivable land	0.1500	23	Homestead	0.1500	Homestead	0.1500
258	Cultivable land	0.1400	24	Homestead	0.1400	Homestead	0.1400
275	Cultivable land	0.2800	25	Cultivable land	0.2800	Homestead	0.2800
274	Cultivable land	0.2300	26	Cultivable land	0.2300	Homestead	0.2300
273	Cultivable land	0.2900	27	Cultivable land	0.2900	Homestead	0.2900
272	Cultivable land	0.3900	28	Cultivable land	0.3900	Homestead	0.3900
278	Cultivable land	0.5500	29	Cultivable land	0.5500	Homestead	0.5500
278	Cultivable land	0.3000	30	Cultivable land	0.3000	Homestead	0.3000
278	Cultivable land	0.2800	31	Cultivable land	0.2800	Homestead	0.2800
278	Cultivable land	0.5300	32	Cultivable land	0.5300	Homestead	0.5300
295	Cultivable land	0.2300	33	Cultivable land	0.2300	Homestead	0.2300
291	Cultivable land	0.2300	34	Cultivable land	0.2300	Homestead	0.2300
291	Cultivable land	0.3000	35	Cultivable land	0.3000	Homestead	0.3000
287,288	Cultivable land	0.2500	36	Cultivable land	0.2500	Homestead	0.2500
287,288	Cultivable land	0.2500	37	Cultivable land	0.2500	Homestead	0.2500
288,289	Cultivable land	0.2000	38	Cultivable land	0.2000	Homestead	0.2000
288,289	Cultivable land	0.2300	39	Cultivable land	0.2300	Homestead	0.2300
664,665	Cultivable land	0.0600	40	Cultivable land	0.0600	Homestead	0.0600
665	Cultivable land	0.1100	41	Cultivable land	0.1100	Homestead	0.1100
664,665	Cultivable land	0.3300	42	Cultivable land	0.3300	Homestead	0.3300
664,665	Cultivable land	0.0700	43	Cultivable land	0.0700	Homestead	0.0700
665,286	Cultivable land	0.1500	44	Cultivable land	0.1500	Homestead	0.1500
665,286	Cultivable land	0.1300	45	Cultivable land	0.1300	Homestead	0.1300
287	Cultivable land	0.6400	46	Cultivable land	0.6400	Homestead	0.6400
289	Cultivable land	0.2800	47	Cultivable land	0.2800	Homestead	0.2800
283	Cultivable land	0.2100	48	Cultivable land	0.2100	Homestead	0.2100
283	Cultivable land	0.2400	49	Cultivable land	0.2400	Homestead	0.2400
280	Cultivable land	0.3400	50	Cultivable land	0.3400	Homestead	0.3400
285,265	Cultivable land	0.2100	51	Cultivable land	0.2100	Homestead	0.2100
285	Cultivable land	0.1900	52	Cultivable land	0.1900	Homestead	0.1900
284	Cultivable land	0.2000	53	Cultivable land	0.2000	Homestead	0.2000
280,281,282	Cultivable land	0.4300	54	Cultivable land	0.4300	Homestead	0.4300
280-282	Cultivable land	0.4300	55	Cultivable land	0.4300	Homestead	0.4300
280-282	Cultivable land	0.1200	56	Cultivable land	0.1200	Homestead	0.1200
279,3044	Cultivable land	0.5000	57	Cultivable land	0.5000	Homestead	0.5000
276,277	Cultivable land	0.2800	58	Cultivable land	0.2800	Homestead	0.2800
276	Cultivable land	0.3800	59	Cultivable land	0.3800	Homestead	0.3800
275	Cultivable land	0.6300	60	Cultivable land	0.6300	Homestead	0.6300

275	Cultivable land	0.2900	61	Cultivable land	0.2900	Homestead	0.2900	
275	Cultivable land	0.0800	62	Cultivable land	0.0800	Homestead	0.0800	
275	Cultivable land	0.0700	63	Cultivable land	0.0700	Homestead	0.0700	
279	Cultivable land	0.2400	64	Cultivable land	0.2400	Homestead	0.2400	
248	Cultivable land	0.4500	65	Cultivable land	0.4500	Homestead	0.4500	
248,249	Cultivable land	0.3800	66	Cultivable land	0.3800	Homestead	0.3800	
245,246	Cultivable land	0.2400	67	Cultivable land	0.2400	Homestead	0.2400	
244	Cultivable land	0.1600	68	Cultivable land	0.1600	Homestead	0.1600	
244	Cultivable land	0.3400	69	Cultivable land	0.3400	Homestead	0.3400	
241,246	Cultivable land	0.2100	70	Cultivable land	0.2100	Homestead	0.2100	
250	Cultivable land	0.1800	71	Cultivable land	0.1800	Homestead	0.1800	
246	Cultivable land	0.1300	72	Cultivable land	0.1300	Homestead	0.1300	
247	Cultivable land	0.4800	73	Cultivable land	0.4800	Homestead	0.4800	
250	Cultivable land	0.2700	74	Cultivable land	0.2700	Homestead	0.2700	
250	Cultivable land	0.4000	75	Cultivable land	0.4000	Homestead	0.4000	
253	Cultivable land	0.3600	76	Cultivable land	0.3600	Homestead	0.3600	
253	Cultivable land	0.1900	77	Cultivable land	0.1900	Homestead	0.1900	
249	Cultivable land	0.2600	78	Cultivable land	0.2600	Homestead	0.2600	
253,254	Cultivable land	0.1500	79	Cultivable land	0.1500	Homestead	0.1500	
253,254	Cultivable land	0.3200	80	Cultivable land	0.3200	Homestead	0.3200	
254	Cultivable land	0.2900	81	Cultivable land	0.2900	Homestead	0.2900	
263	Cultivable land	0.2500	82	Cultivable land	0.2500	Homestead	0.2500	
257,263	Cultivable land	0.1500	83	Cultivable land	0.1500	Homestead	0.1500	
255	Cultivable land	0.1800	84	Cultivable land	0.1800	Homestead	0.1800	
255	Cultivable land	0.1500	85	Cultivable land	0.1500	Homestead	0.1500	
258,263	Cultivable land	0.1200	86	Cultivable land	0.1200	Homestead	0.1200	
258	Cultivable land	0.2500	87	Cultivable land	0.2500	Homestead	0.2500	
256	Cultivable land	0.3200	88	Cultivable land	0.3200	Homestead	0.3200	
256	Cultivable land	0.2700	89	Cultivable land	0.2700	Homestead	0.2700	
257,258	Cultivable land	0.1100	90	Cultivable land	0.1100	Homestead	0.1100	
257	Cultivable land	0.1600	91	Cultivable land	0.1600	Homestead	0.1600	
224	Cultivable land	0.2200	92	Cultivable land	0.2200	Homestead	0.2200	
259,260	Cultivable land	0.0900	93	Homestead	0.0900	Homestead	0.0900	
222,223	Cultivable land	0.2400	94	Homestead	0.2400	Homestead	0.2400	
221,222	Cultivable land	0.2800	95	Homestead	0.2800	Homestead	0.2800	
222,218	Cultivable land	0.3000	96	Homestead	0.3000	Homestead	0.3000	
217	Cultivable land	0.1500	97	Homestead	0.1500	Homestead	0.1500	
217,216	Cultivable land	0.1000	98	Homestead	0.1000	Homestead	0.1000	
217	Cultivable land	0.2600	99	Homestead	0.2600	Homestead	0.2600	
215	Cultivable land	0.2000	2200	Homestead	0.2000	Homestead	0.2000	
193	Cultivable land	0.1200	2201	Homestead	0.1200	Homestead	0.1200	
194	Cultivable land	0.1200	2	Homestead	0.1200	Homestead	0.1200	
214	Cultivable land	0.0800	3	Homestead	0.0800	Homestead	0.0800	
212,210,213,211	Cultivable land	1.6200	4	Cultivable land	1.6200	Homestead	1.6200	
210,211	Cultivable land	0.3600	5	Homestead	0.3600	Homestead	0.3600	
214,293	Cultivable land	0.1600	6	Homestead	0.1600	Homestead	0.1600	
214	Cultivable land	0.3000	7	Homestead	0.3000	Homestead	0.3000	
229	Cultivable land	0.6600	8	Homestead	0.6600	Homestead	0.6600	
229	Cultivable land	0.5900	9	Homestead	0.5900	Homestead	0.5900	
228	Cultivable land	0.2100	10	Homestead	0.2100	Homestead	0.2100	
218,214	Cultivable land	0.2200	11	Homestead	0.2200	Homestead	0.2200	
225	Cultivable land	0.3600	12	Homestead	0.3600	Homestead	0.3600	
225,226	Cultivable land	0.4000	13	Homestead	0.4000	Homestead	0.4000	
224	Cultivable land	0.1600	14	Homestead	0.1600	Homestead	0.1600	
224	Cultivable land	0.1700	15	Homestead	0.1700	Homestead	0.1700	
252	Cultivable land	0.2400	16	Homestead	0.2400	Homestead	0.2400	
252	Cultivable land	0.3000	17	Cultivable land	0.3000	Homestead	0.3000	
251,250	Cultivable land	0.6700	18	Cultivable land	0.6700	Homestead	0.6700	
251	Cultivable land	0.1700	19	Cultivable land	0.1700	Homestead	0.1700	
250	Cultivable land	0.2000	20	Cultivable land	0.2000	Homestead	0.2000	
250	Cultivable land	0.4200	21	Cultivable land	0.4200	Homestead	0.4200	
241,240	Cultivable land	0.1700	22	Cultivable land	0.1700	Homestead	0.1700	
241	Cultivable land	0.2400	23	Cultivable land	0.2400	Homestead	0.2400	

242	Cultivable land	0.1500	24	Cultivable land	0.1500	Homestead	0.1500	
239,240	Cultivable land	0.1800	25	Cultivable land	0.1800	Homestead	0.1800	
241	Cultivable land	0.2900	26	Cultivable land	0.2900	Homestead	0.2900	
240	Cultivable land	0.5200	27	Cultivable land	0.5200	Homestead	0.5200	
239	Cultivable land	0.0600	28	Cultivable land	0.0600	Homestead	0.0600	
239	Cultivable land	0.0700	29	Cultivable land	0.0700	Homestead	0.0700	
239	Cultivable land	0.1000	30	Cultivable land	0.1000	Homestead	0.1000	
235	Cultivable land	0.1300	31	Cultivable land	0.1300	Homestead	0.1300	
234	Cultivable land	0.2000	32	Cultivable land	0.2000	Homestead	0.2000	
234	Cultivable land	0.3200	33	Cultivable land	0.3200	Homestead	0.3200	
239	Cultivable land	0.2100	34	Cultivable land	0.2100	Homestead	0.2100	
145	Cultivable land	0.3000	35	Cultivable land	0.3000	Homestead	0.3000	
145	Cultivable land	0.0200	36	Cultivable land	0.0200	Homestead	0.0200	
146	Cultivable land	0.0400	37	Cultivable land	0.0400	Homestead	0.0400	
146	Cultivable land	0.2400	38	Cultivable land	0.2400	Homestead	0.2400	
146	Cultivable land	0.3000	39	Cultivable land	0.3000	Homestead	0.3000	
203	Cultivable land	0.2100	40	Cultivable land	0.2100	Homestead	0.2100	
203	Cultivable land	0.2200	41	Cultivable land	0.2200	Homestead	0.2200	
233,222	Cultivable land	0.1500	42	Cultivable land	0.1500	Homestead	0.1500	
232	Cultivable land	0.2700	43	Cultivable land	0.2700	Homestead	0.2700	
232	Cultivable land	0.2400	44	Cultivable land	0.2400	Homestead	0.2400	
232	Cultivable land	0.3200	45	Cultivable land	0.3200	Homestead	0.3200	
232	Cultivable land	0.5300	46	Cultivable land	0.5300	Homestead	0.5300	
232	Cultivable land	0.1300	47	Cultivable land	0.1300	Homestead	0.1300	
232	Cultivable land	0.1400	48	Homestead	0.1400	Homestead	0.1400	
232	Cultivable land	0.1400	49	Homestead	0.1400	Homestead	0.1400	
232	Cultivable land	0.1300	50	Homestead	0.1300	Homestead	0.1300	
209	Cultivable land	0.2100	51	Homestead	0.2100	Homestead	0.2100	
209	Cultivable land	0.2000	52	Homestead	0.2000	Homestead	0.2000	
207,208	Cultivable land	0.4400	53	Cultivable land	0.4400	Homestead	0.4400	
206,207	Cultivable land	0.2000	54	Cultivable land	0.2000	Homestead	0.2000	
205-207	Cultivable land	0.1800	55	Cultivable land	0.1800	Homestead	0.1800	
204-205	Cultivable land	0.3700	56	Cultivable land	0.3700	Homestead	0.3700	
205	Cultivable land	0.4200	57	Cultivable land	0.4200	Homestead	0.4200	
192	Office	1.7900	58	Office	1.7900	Office	1.7900	
193	Cultivable land	0.0601	59	Homestead	0.0601	Road	0.0601	
188	Homestead	0.0600	60	Homestead	0.0600	Homestead	0.0600	
198	Cultivable land	0.1600	61	Homestead	0.1600	Homestead	0.1600	
187,199	Ditch	0.1500	62	Ditch	0.1500	Homestead	0.1500	
199,200	Ditch	0.1600	63	Ditch	0.1600	Homestead	0.1600	
199-201	Ditch	0.9000	64	Ditch	0.9000	Homestead	0.9000	
202	Ditch	0.5300	65	Ditch	0.5300	Homestead	0.5300	
147	Cultivable land	0.1600	66	Cultivable land	0.1600	Homestead	0.1600	
147	Cultivable land	0.3100	67	Cultivable land	0.3100	Homestead	0.3100	
148	Cultivable land	0.1700	68	Cultivable land	0.1700	Homestead	0.1700	
148	Cultivable land	0.1400	69	Cultivable land	0.1400	Homestead	0.1400	
148	Cultivable land	0.1200	70	Cultivable land	0.1200	Homestead	0.1200	
149	Cultivable land	0.1400	71	Cultivable land	0.1400	Homestead	0.1400	
149	Cultivable land	0.4500	72	Cultivable land	0.4500	Homestead	0.4500	
140,149	Ditch	0.4200	73	Cultivable land	0.4200	Homestead	0.4200	
158,141	Cultivable land	0.1500	74	Cultivable land	0.1500	Homestead	0.1500	
149,140	Ditch	0.4500	75	Ditch	0.4500	Homestead	0.4500	
140	Ditch	1.6300	76	Ditch	1.6300	Pond	1.6300	
155	Cultivable land	0.2800	77	Cultivable land	0.2800	Homestead	0.2800	
155,137	Cultivable land	0.1800	78	Cultivable land	0.1800	Homestead	0.1800	
156	Cultivable land	0.1500	79	Cultivable land	0.1500	Homestead	0.1500	
154,155	Cultivable land	0.3000	80	Cultivable land	0.3000	Homestead	0.3000	
184	Homestead	0.3800	81	Cultivable land	0.3800	Homestead	0.3800	
151,152	Cultivable land	0.1800	82	Cultivable land	0.1800	Homestead	0.1800	
151,152	Cultivable land	0.1300	83	Cultivable land	0.1300	Homestead	0.1300	
151,150	Cultivable land	0.2200	84	Cultivable land	0.2200	Homestead	0.2200	
150	Cultivable land	0.1600	85	Cultivable land	0.1600	Homestead	0.1600	
188	Ditch	0.1600	86	Cultivable land	0.1600	Homestead	0.1600	

186,188	Ditch	0.1100	87	Ditch	0.1100	Homestead	0.1100	
186,188	Ditch	0.1100	88	Homestead	0.1100	Homestead	0.1100	
186	Ditch	0.3200	89	Ditch	0.3200	Homestead	0.3200	
183	Homestead	0.1800	90	Homestead	0.1800	Homestead	0.1800	
183,184	Homestead	0.1900	91	Homestead	0.1900	Homestead	0.1900	
157,158	Ditch	0.3600	92	Ditch	0.3600	Pond	0.3600	
158,158	Ditch	0.1600	93	Homestead	0.1600	Homestead	0.1600	
157	Ditch	0.1400	94	Homestead	0.1400	Homestead	0.1400	
184	Homestead	0.2300	95	Homestead	0.2300	Homestead	0.2300	
158,184	Ditch	0.1800	96	Homestead	0.1800	Homestead	0.1800	
183,185	Homestead	0.1300	97	Homestead	0.1300	Homestead	0.1300	
187	Ditch	0.1300	98	Ditch	0.1300	Homestead	0.1300	
187	Ditch	0.0501	99	Ditch	0.0501	Homestead	0.0501	
187	Ditch	0.0601	2300	Cultivable land	0.0601	Homestead	0.0601	
187	Ditch	0.1200	2301	Cultivable land	0.1200	Homestead	0.1200	
187	Ditch	0.0800	2	Cultivable land	0.0800	Homestead	0.0800	
188	Homestead	0.2900	3	Homestead	0.2900	Homestead	0.2900	
182	Homestead	0.1000	4	Homestead	0.1000	Homestead	0.1000	
181	Homestead	0.0900	5	Homestead	0.0900	Homestead	0.0900	
180	Homestead	0.0600	6	Homestead	0.0600	Homestead	0.0600	
180	Homestead	0.1200	7	Homestead	0.1200	Homestead	0.1200	
176	Homestead	0.0800	8	Homestead	0.0800	Homestead	0.0800	
176	Homestead	0.1200	9	Homestead	0.1200	Homestead	0.1200	
176	Homestead	0.0800	10	Homestead	0.0800	Homestead	0.0800	
175	Homestead	0.0800	11	Homestead	0.0800	Homestead	0.0800	
175	Graveyard	0.0100	12	Graveyard	0.0100	Graveyard	0.0100	
175	Homestead	0.0501	13	Homestead	0.0501	Homestead	0.0501	
158	Ditch	0.1700	14	Homestead	0.1700	Homestead	0.1700	
158	Ditch	0.0500	15	Ditch	0.0500	Homestead	0.0500	
158	Ditch	0.1200	16	Homestead	0.1200	Homestead	0.1200	
158	Ditch	0.0300	17	Homestead	0.0300	Homestead	0.0300	
158	Ditch	0.1700	18	Homestead	0.1700	Homestead	0.1700	
158	Ditch	0.0700	19	Homestead	0.0700	Homestead	0.0700	
158	Ditch	0.1000	20	Homestead	0.1000	Homestead	0.1000	
158	Ditch	0.0800	21	Homestead	0.0800	Homestead	0.0800	
158	Ditch	0.0500	22	Homestead	0.0500	Homestead	0.0500	
158,159	Ditch	0.0700	23	Homestead	0.0700	Homestead	0.0700	
158,159	Ditch	0.0500	24	Homestead	0.0500	Homestead	0.0500	
159	Ditch	0.2600	25	Homestead	0.2600	Homestead	0.2600	
160	Cultivable land	0.0800	26	Homestead	0.0800	Homestead	0.0800	
160	Cultivable land	0.0600	27	Homestead	0.0600	Homestead	0.0600	
161	Ditch	0.0100	28	Madrassa	0.0100	Madrassa	0.0100	
161,3025	Cultivable land	0.1100	29	Homestead	0.1100	Homestead	0.1100	
161	Cultivable land	0.1200	30	Homestead	0.1200	Homestead	0.1200	
161	Cultivable land	0.1100	31	Homestead	0.1100	Homestead	0.1100	
164	Cultivable land	0.0900	32	Homestead	0.0900	Homestead	0.0900	
162	Cultivable land	0.1300	33	Homestead	0.1300	Homestead	0.1300	
162	Cultivable land	0.0900	34	Homestead	0.0900	Homestead	0.0900	
162	Cultivable land	0.0900	35	Homestead	0.0900	Homestead	0.0900	
162	Cultivable land	0.1100	36	Homestead	0.1100	Homestead	0.1100	
162	Cultivable land	0.0900	37	Homestead	0.0900	Homestead	0.0900	
162	Cultivable land	0.0900	38	Homestead	0.0900	Homestead	0.0900	
162	Cultivable land	0.0200	39	Homestead	0.0200	Homestead	0.0200	
162	Cultivable land	0.0300	40	Homestead	0.0300	Homestead	0.0300	
162	Cultivable land	0.0500	41	Homestead	0.0500	Homestead	0.0500	
134,161	Cultivable land	0.1200	42	Homestead	0.1200	Homestead	0.1200	
134,161	Cultivable land	0.1100	43	Homestead	0.1100	Homestead	0.1100	
134,161	Cultivable land	0.0900	44	Homestead	0.0900	Homestead	0.0900	
134,161	Cultivable land	0.1300	45	Homestead	0.1300	Homestead	0.1300	
159	Ditch	0.1100	46	Ditch	0.1100	Homestead	0.1100	
159	Ditch	0.0500	47	Ditch	0.0500	Homestead	0.0500	
158	Ditch	0.0400	48	Ditch	0.0400	Homestead	0.0400	
158,159	Ditch	0.1100	49	Homestead	0.1100	Homestead	0.1100	

158	Ditch	0.1100	50	Homestead	0.1100	Homestead	0.1100
137	Cultivable land	0.1100	51	Homestead	0.1100	Homestead	0.1100
135,136,159	Cultivable land	0.1200	52	Homestead	0.1200	Homestead	0.1200
135,136	Cultivable land	0.1600	53	Homestead	0.1600	Homestead	0.1600
137,136	Cultivable land	0.0800	54	Homestead	0.0800	Homestead	0.0800
136,137	Cultivable land	0.1100	55	Homestead	0.1100	Homestead	0.1100
135,136	Cultivable land	0.3200	56	Homestead	0.3200	Homestead	0.3200
135	Cultivable land	0.1100	57	Homestead	0.1100	Homestead	0.1100
134	Cultivable land	0.0400	58	Homestead	0.0400	Homestead	0.0400
134,161	Cultivable land	0.0300	59	Homestead	0.0300	Homestead	0.0300
134	Cultivable land	0.0900	60	Homestead	0.0900	Homestead	0.0900
134	Cultivable land	0.0400	61	Homestead	0.0400	Homestead	0.0400
134	Cultivable land	0.1200	62	Homestead	0.1200	Homestead	0.1200
134	Cultivable land	0.1300	63	Homestead	0.1300	Homestead	0.1300
134,135	Cultivable land	0.2400	64	Homestead	0.2400	Homestead	0.2400
132	Cultivable land	0.2400	65	Homestead	0.2400	Homestead	0.2400
132	Cultivable land	0.3500	66	Homestead	0.3500	Homestead	0.3500
132	Cultivable land	1.0700	67	Homestead	1.0700	Homestead	1.0700
133	Ditch	0.3900	68	Ditch	0.3900	Homestead	0.3900
139	Cultivable land	0.2200	69	Homestead	0.2200	Homestead	0.2200
132	Cultivable land	0.0600	70	Homestead	0.0600	Homestead	0.0600
138	Cultivable land	0.1800	71	Homestead	0.1800	Homestead	0.1800
138	Cultivable land	0.1400	72	Homestead	0.1400	Homestead	0.1400
138	Cultivable land	0.1200	73	Homestead	0.1200	Homestead	0.1200
138	Cultivable land	0.1200	74	Homestead	0.1200	Homestead	0.1200
139	Cultivable land	0.0800	75	Homestead	0.0800	Homestead	0.0800
139	Cultivable land	0.0900	76	Homestead	0.0900	Homestead	0.0900
139	Cultivable land	0.0801	77	Homestead	0.0801	Homestead	0.0801
132,101	Cultivable land	0.5500	78	Ditch	0.5500	Homestead	0.5500
131,141	Cannel(G)	8.9200	79	Cannel(G)	8.9200	Cannel(G)	8.9200
128,129	Cultivable land	0.3200	80	Cultivable land	0.3200	Cultivable land	0.3200
129,130	Cultivable land	0.2100	81	Cultivable land	0.2100	Cultivable land	0.2100
130	Cultivable land	0.2000	82	Cultivable land	0.2000	Cultivable land	0.2000
129,130	Cultivable land	0.1200	83	Cultivable land	0.1200	Cultivable land	0.1200
130	Cultivable land	0.1000	84	Cultivable land	0.1000	Cultivable land	0.1000
130	Cultivable land	0.1000	85	Cultivable land	0.1000	Cultivable land	0.1000
141,142	Cultivable land	0.1400	86	Cultivable land	0.1400	Cultivable land	0.1400
142	Cultivable land	0.1000	87	Cultivable land	0.1000	Cultivable land	0.1000
141,142	Cultivable land	0.1000	88	Cultivable land	0.1000	Cultivable land	0.1000
141,142	Cultivable land	0.1000	89	Cultivable land	0.1000	Cultivable land	0.1000
143	Cultivable land	0.3100	90	Cultivable land	0.3100	Cultivable land	0.3100
143,144	Cultivable land	0.1000	91	Cultivable land	0.1000	Cultivable land	0.1000
143	Cultivable land	0.1300	92	Cultivable land	0.1300	Cultivable land	0.1300
143,144	Cultivable land	0.2600	93	Cultivable land	0.2600	Cultivable land	0.2600
235,236	Cultivable land	0.2700	94	Cultivable land	0.2700	Cultivable land	0.2700
143,144	Cultivable land	0.1400	95	Cultivable land	0.1400	Cultivable land	0.1400
237	Cultivable land	0.1400	96	Cultivable land	0.1400	Cultivable land	0.1400
237	Cultivable land	0.1200	97	Cultivable land	0.1200	Cultivable land	0.1200
242,243	Cultivable land	0.2100	98	Cultivable land	0.2100	Cultivable land	0.2100
237	Cultivable land	0.3600	99	Cultivable land	0.3600	Cultivable land	0.3600
243	Cultivable land	0.1800	2400	Cultivable land	0.1800	Cultivable land	0.1800
667	Cultivable land	0.1800	2401	Cultivable land	0.1800	Cultivable land	0.1800
667	Cultivable land	0.1400	2	Cultivable land	0.1400	Cultivable land	0.1400
667	Cultivable land	0.2200	3	Cultivable land	0.2200	Cultivable land	0.2200
665,667,668	Cultivable land	0.1900	4	Cultivable land	0.1900	Cultivable land	0.1900
238	Cultivable land	0.0600	5	Cultivable land	0.0600	Cultivable land	0.0600
238	Cultivable land	0.1000	6	Cultivable land	0.1000	Cultivable land	0.1000
667	Cultivable land	0.2900	7	Cultivable land	0.2900	Cultivable land	0.2900
667	Cultivable land	0.1000	8	Cultivable land	0.1000	Cultivable land	0.1000
667	Cultivable land	0.1000	9	Cultivable land	0.1000	Cultivable land	0.1000
667	Cultivable land	0.1000	10	Cultivable land	0.1000	Cultivable land	0.1000
667	Cultivable land	0.2700	11	Cultivable land	0.2700	Cultivable land	0.2700
668	Cultivable land	0.1000	12	Cultivable land	0.1000	Cultivable land	0.1000

668	Cultivable land	0.1200	13	Cultivable land	0.1200	Cultivable land	0.1200	
671	Cultivable land	0.2900	14	Cultivable land	0.2900	Cultivable land	0.2900	
671	Cultivable land	0.1800	15	Cultivable land	0.1800	Cultivable land	0.1800	
671	Cultivable land	0.0600	16	Cultivable land	0.0600	Cultivable land	0.0600	
171,172	Homestead	0.1200	17	Cultivable land	0.1200	Cultivable land	0.1200	
172,191	Homestead	0.2100	18	Cultivable land	0.2100	Cultivable land	0.2100	
672,691	Cultivable land	0.2000	19	Cultivable land	0.2000	Cultivable land	0.2000	
671	Cultivable land	0.1500	20	Cultivable land	0.1500	Cultivable land	0.1500	
691	River	0.1600	21	Cultivable land	0.1600	Cultivable land	0.1600	
691	River	0.1400	22	Cultivable land	0.1400	Cultivable land	0.1400	
691	River	0.1500	23	Cultivable land	0.1500	Cultivable land	0.1500	
673,691	River	0.1100	24	Cultivable land	0.1100	Cultivable land	0.1100	
673	Cultivable land	0.0900	25	Cultivable land	0.0900	Cultivable land	0.0900	
665,691	River	0.0800	26	Cultivable land	0.0800	Cultivable land	0.0800	
665, 691	River	0.0800	27	Cultivable land	0.0800	Cultivable land	0.0800	
665,691	River	0.1200	28	Cultivable land	0.1200	Cultivable land	0.1200	
665,691	River	1.4800	29	Hallot	1.4800	Hallot	1.4800	
758	Cultivable land	0.1100	1852/ 2430	Homestead	0.1100	Homestead	0.1100	
634,635	Homestead	0.4600	1952/ 2432	Homestead	0.4600	Homestead	0.4600	
2964	Homestead	0.1300	1911/ 2433	Homestead	0.1300	Homestead	0.1300	
3322	Graveyard	0.1600	1508/ 2434	Graveyard	0.1600	Graveyard	0.1600	
505,506,3316,3329	Cultivable land	0.5400	1584/ 2435	Cultivable land	0.5400	Cultivable land	0.5400	
516,3335	Cultivable land	0.4500	1604/ 2436	Cultivable land	0.4500	Cultivable land	0.4500	
739,740	Cultivable land	0.3000	1742/ 2437	Cultivable land	0.3000	Cultivable land	0.3000	
263	Cultivable land	0.1400	2124/ 2438	Cultivable land	0.1400	Cultivable land	0.1400	
253	Cultivable land	0.1600	2193/ 2440	Cultivable land	0.1600	Cultivable land	0.1600	
249,260	Cultivable land	0.1100	2592	Cultivable land	0.1100	Cultivable land	0.1100	

District: Brahmanbaria, Upazila: Asuganj, Union: Char Chartala, Mouza: Char Chartala

Cadastral Survey (CS Operation: 1957-1958)			Bangladesh Survey (BS Operation: 1995)			Survey Report,2014		
Plot no	Land Class	Total land (Acre)	Plot no	Land Class	Total land (Acre)	Land Class	Total land (Acre)	Remark
0		0.1200	3107		0.1200		0.1200	class wasn't traceable
3543	River	222.00	3501	River(G)	222.00	River(G)	222.00	
1240	Ditch	1.80	2	Cultivable land	1.80	Cultivable land	1.80	
1201	Cultivable land	0.41	3	Cultivable land	0.41	Cultivable land	0.41	
1210	Ditch	0.53	4	Cultivable land	0.53	Homestead	0.53	
1210	Ditch	0.08	5	Cultivable land	0.08	Homestead	0.08	
1211	Ditch	0.19	6	Cultivable land	0.19	Cultivable land	0.19	

1211	Ditch	0.22	7	Cultivable land	0.22	Cultivable land	0.22
1740	Ditch	0.16	8	Cultivable land	0.16	Cultivable land	0.16
1210	Ditch	0.18	9	Cultivable land	0.18	Homestead	0.18
1210	Ditch	0.06	10	Cultivable land	0.06	Homestead	0.06
1210	Ditch	0.06	11	Cultivable land	0.06	Homestead	0.06
1211	Ditch	0.36	12	Cultivable land	0.36	Cultivable land	0.36
1198,1211	Ditch	0.55	13	Homestead	0.55	Homestead	0.55
1210	Ditch	0.15	14	Cultivable land	0.15	Homestead	0.15
1210	Ditch	1.59	15	Cultivable land	1.59	Homestead	1.59
1240/3543	Ditch	0.21	16	Cultivable land	0.21	Homestead	0.21
1240/3543	Ditch	0.12	17	Cultivable land	0.12	Homestead	0.12
3543	Ditch	2.24	18	Cultivable land	2.24	Cultivable land	2.24
1240/4543	Ditch	1.04	19	Cultivable land	1.04	Cultivable land	1.04
1210/1240	Ditch	0.13	20	Cultivable land	0.13	Homestead	0.13
1210	Ditch	0.48	21	Cultivable land	0.48	Homestead	0.48
1214,1215,1216	Cultivable land	0.25	22	Cultivable land	0.25	Homestead	0.25
1213	Cultivable land	0.11	23	Cultivable land	0.11	Homestead	0.11
1197	Cultivable land	0.04	24	Cultivable land	0.04	Homestead	0.04
1197	Cultivable land	0.33	25	Cultivable land	0.33	Homestead	0.33
1197	Cultivable land	0.30	26	Cultivable land	0.30	Homestead	0.30
1197	Cultivable land	0.34	27	Cultivable land	0.34	Homestead	0.34
1196	Cultivable land	0.47	28	Cultivable land	0.47	Homestead	0.47
1196	Cultivable land	0.14	29	Cultivable land	0.14	Homestead	0.14
1195	Cultivable land	0.22	30	Cultivable land	0.22	Homestead	0.22
1195	Cultivable land	0.09	31	Cultivable land	0.09	Homestead	0.09
1195	Cultivable land	0.08	32	Cultivable land	0.08	Homestead	0.08
1195	Cultivable land	0.52	33	Cultivable land	0.52	Homestead	0.52
1198	Ditch	0.48	34	Homestead	0.48	Homestead	0.48
1198	Pond	0.34	35	Pond	0.34	Pond	0.34
1199	Cultivable land	0.45	36	Cultivable land	0.45	Fallow	0.45
1200	Cultivable land	0.25	37	Cultivable land	0.25	Fallow	0.25
1200	Cultivable land	0.10	38	Cultivable land	0.10	Fallow	0.10
1199	Cultivable land	0.21	39	Cultivable land	0.21	Fallow	0.21
1052	Cultivable land	0.31	40	Homestead	0.31	Homestead	0.31
1605	Cultivable land	0.31	41	Cultivable land	0.31	Fallow	0.31
1053	Cultivable land	0.26	42	Cultivable land	0.26	Fallow	0.26
1054	Ditch	0.12	43	Ditch	0.12	Ditch	0.12
1054	Ditch	0.86	44	Ditch	0.86	Ditch	0.86
1042	Cultivable land	0.35	45	Cultivable land	0.35	Fallow	0.35
1043	Cultivable land	0.28	46	Cultivable land	0.28	Fallow	0.28
1044	Cultivable land	0.23	47	Cultivable land	0.23	Fallow	0.23
1043,1044, 1045	Cultivable land	0.45	48	Cultivable land	0.45	Fallow	0.45
1044	Cultivable land	0.14	49	Homestead	0.14	Homestead	0.14
1043	Cultivable land	0.12	50	Homestead	0.12	Homestead	0.12
1040,1041	Cultivable land	0.21	51	Cultivable land	0.21	Fallow	0.21
1042,1055	Cultivable land	0.43	52	Cultivable land	0.43	Fallow	0.43
1055,1056	Cultivable land	0.27	53	Cultivable land	0.27	Fallow	0.27
1055,1056	Cultivable land	0.19	54	Cultivable land	0.19	Fallow	0.19
1038	Cultivable land	0.10	55	Cultivable land	0.10	Fallow	0.10
1056	Cultivable land	0.69	56	Cultivable land	0.69	Fallow	0.69
1059	Cultivable land	0.10	57	Cultivable land	0.10	Road	0.10
1035,1037, 1057,1058	Cultivable land	0.06	58	Cultivable land	0.06	Fallow	0.06
1033,1034,1035, 1036,1037,1038	Cultivable land	3.40	59	Cultivable land	3.40	Fallow	3.40
1041,807,808, 802,803,806	Pond	7.56	60	Pond	7.56	Pond	7.56
827,1034,796, 807,808	Pond Ditch	2.00 1.16	61	Road	3.16	Road	3.16
827,1034, 796,807,808	Pond ditch	3.00 2.62	62	Railways	5.62	Railways	5.62
827	Cultivable land	0.11	63	Homestead	0.11	Homestead	0.11
1029	Cultivable land	0.25	64	Homestead	0.25	Homestead	0.25
1028	Cultivable land	1.09	65	Homestead	1.09	Homestead	1.09
1026,1027,1028	Cultivable land	0.16	66	Road	0.16	Road	0.16
1026,1027	Cultivable land	0.29	67	Homestead	0.29	Homestead	0.29

1027-1028	Cultivable land	66.34	68	Fertilizer Industry (FI)	66.34	Fertilizer Industry (FI)	66.34	
1210,1233,1237,1240	Cultivable land	17.20	69	Fertilizer Industry (FI)	17.20	Fertilizer Industry (FI)	17.20	
3543	Cultivable land	0.20	70	Fertilizer Industry (FI)	0.20	Fertilizer Industry (FI)	0.20	
1240,3545	Cultivable land	4.44	71	Fertilizer Industry (FI)	4.44	Fertilizer Industry (FI)	4.44	
1240,1269	Cultivable land	10.56	72	Fertilizer Industry (FI)	10.56	Fertilizer Industry (FI)	10.56	
1314,1312,1313	Cultivable land	84.76	73	Fertilizer Industry (FI)	84.76	Fertilizer Industry (FI)	84.76	
1343,1075,1377,1378	Cultivable land	8.98	74	Fertilizer Industry (FI)	8.98	Fertilizer Industry (FI)	8.98	
1490,1491,1492,1610	Cultivable land	113.80	75	Fertilizer Industry (FI)	113.80	Fertilizer Industry (FI)	113.80	
1490,1491,1494,1495	Cultivable land	4.28	76	Fertilizer Industry (FI)	4.28	Fertilizer Industry (FI)	4.28	
1493,1490,1492	Cultivable land	7.30	77	Road	7.30	Road	7.30	
1493,1490,1492	Cultivable land	6.08	78	Road	6.08	Road	6.08	
1440,1649,1147,1154	Cultivable land	8.18	79	Road	8.18	Road	8.18	
1023	Cultivable land	0.19	80	Cultivable land	0.19	Homestead	0.19	
1024	Cultivable land	0.09	81	Cultivable land	0.09	Homestead	0.09	
1024	Cultivable land	0.07	82	Cultivable land	0.07	Homestead	0.07	
1025	Cultivable land	0.15	83	Cultivable land	0.15	Homestead	0.15	
1026	Cultivable land	0.10	84	Cultivable land	0.10	Homestead	0.10	
1027	Cultivable land	0.03	85	Cultivable land	0.03	Homestead	0.03	
1028	Cultivable land	0.05	86	Cultivable land	0.05	Homestead	0.05	
1028	Cultivable land	0.03	87	Cultivable land	0.03	Homestead	0.03	
1028	Cultivable land	0.03	88	Cultivable land	0.03	Homestead	0.03	
1028	Cultivable land	0.03	89	Cultivable land	0.03	Homestead	0.03	
998	Cultivable land	0.20	90	Cultivable land	0.20	Cultivable land	0.20	
1029	Cultivable land	0.09	91	Cultivable land	0.09	Homestead	0.09	
1029	Cultivable land	0.09	92	Cultivable land	0.09	Homestead	0.09	
828,829	Cultivable land	0.62	93	Cultivable land	0.62	Homestead	0.62	
829	Cultivable land	0.06	94	Cultivable land	0.06	Homestead	0.06	
829	Cultivable land	0.13	95	Cultivable land	0.13	Homestead	0.13	
830	Cultivable land	0.27	96	Cultivable land	0.27	Cultivable land	0.27	
830,997	Cultivable land	0.25	97	Cultivable land	0.25	Cultivable land	0.25	
997	Cultivable land	0.12	98	Cultivable land	0.12	Cultivable land	0.12	
997	Ditch	0.12	99	Ditch	0.12	Ditch	0.12	
998	Cultivable land	0.27	3600	Cultivable land	0.27	Cultivable land	0.27	
998	Cultivable land	0.27	3601	Cultivable land	0.27	Cultivable land	0.27	
998	Cultivable land	0.30	2	Cultivable land	0.30	Cultivable land	0.30	
998	Cultivable land	0.29	3	Cultivable land	0.29	Cultivable land	0.29	
1005,998,1004	Cultivable land	0.74	4	Cultivable land	0.74	Cultivable land	0.74	
1003	Cultivable land	0.28	5	Cultivable land	0.28	Cultivable land	0.28	
1002	Cultivable land	0.15	6	Cultivable land	0.15	Cultivable land	0.15	
1002	Cultivable land	0.15	7	Cultivable land	0.15	Cultivable land	0.15	
1001	Cultivable land	0.21	8	Homestead	0.21	Homestead	0.21	
1000,1001	Cultivable land	0.70	9	Cultivable land	0.70	Cultivable land	0.70	
999	Cultivable land	0.15	10	Cultivable land	0.15	Cultivable land	0.15	
999	Cultivable land	0.15	11	Cultivable land	0.15	Cultivable land	0.15	
999	Cultivable land	0.11	12	Cultivable land	0.11	Cultivable land	0.11	
999	Cultivable land	0.04	13	Cultivable land	0.04	Cultivable land	0.04	
996	Cultivable land	0.05	14	Cultivable land	0.05	Cultivable land	0.05	
996	Cultivable land	0.14	15	Cultivable land	0.14	Cultivable land	0.14	
996	Cultivable land	0.10	16	Cultivable land	0.10	Cultivable land	0.10	
996	Cultivable land	0.06	17	Cultivable land	0.06	Cultivable land	0.06	
995	Cultivable land	0.15	18	Cultivable land	0.15	Cultivable land	0.15	
995	Cultivable land	0.17	19	Cultivable land	0.17	Cultivable land	0.17	
830-833	Cultivable land	0.92	20	Cultivable land	0.92	Cultivable land	0.92	
831,831	Cultivable land	0.13	21	Cultivable land	0.13	Cultivable land	0.13	
833	Cultivable land	0.06	22	Cultivable land	0.06	Cultivable land	0.06	
836	Cultivable land	0.08	23	Cultivable land	0.08	Cultivable land	0.08	
837	Ditch	0.12	24	Homestead	0.12	Homestead	0.12	

836,837	Cultivable land	0.24	25	Homestead	0.24	Homestead	0.24
838	Cultivable land	0.07	26	Homestead	0.07	Homestead	0.07
838	Cultivable land	0.08	27	Cultivable land	0.08	Homestead	0.08
839,840	Cultivable land	0.13	28	Cultivable land	0.13	Homestead	0.13
839,840	Cultivable land	0.11	29	Cultivable land	0.11	Homestead	0.11
840	Cultivable land	0.12	30	Cultivable land	0.12	Homestead	0.12
840	Cultivable land	0.08	31	Cultivable land	0.08	Homestead	0.08
821	Cultivable land	0.16	32	Cultivable land	0.16	Homestead	0.16
822	Cultivable land	0.09	33	Cultivable land	0.09	Homestead	0.09
822	Cultivable land	0.12	34	Cultivable land	0.12	Homestead	0.12
823	Cultivable land	0.21	35	Homestead	0.21	Homestead	0.21
824	Cultivable land	0.21	36	Cultivable land	0.21	Homestead	0.21
823,824	Cultivable land	0.56	37	Cultivable land	0.56	Homestead	0.56
825	Cultivable land	0.38	38	Homestead	0.38	Homestead	0.38
820,825	Cultivable land	0.96	39	Cultivable land	0.96	Homestead	0.96
822	Cultivable land	0.21	40	Cultivable land	0.21	Homestead	0.21
821	Cultivable land	0.18	41	Cultivable land	0.18	Homestead	0.18
810,811	Cultivable land	2.60	42	Cultivable land	2.60	Pond	2.60
808,819	Homestead	0.32	43	Homestead	0.32	Homestead	0.32
708	Homestead	0.15	44	Homestead	0.15	Homestead	0.15
808,809	Homestead	0.22	45	Homestead	0.22	Homestead	0.22
791	Ditch	0.11	46	Homestead	0.11	Homestead	0.11
791	Ditch	0.13	47	Homestead	0.13	Homestead	0.13
791	Ditch	0.07	48	Ditch	0.07	Homestead	0.07
791	Ditch	0.08	49	Ditch	0.08	Homestead	0.08
790	Ditch	0.15	50	Ditch	0.15	Homestead	0.15
790,812,814,815,	Ditch	2.22	51	Cultivable land	2.22	Cultivable land	2.22
813	Ditch	0.30	52	Cultivable land	0.30	Cultivable land	0.30
813	Ditch	0.15	53	Cultivable land	0.15	Cultivable land	0.15
813	Ditch	0.15	54	Cultivable land	0.15	Cultivable land	0.15
813	Ditch	0.15	55	Cultivable land	0.15	Cultivable land	0.15
885	Ditch	0.09	56	Cultivable land	0.09	Cultivable land	0.09
885	Ditch	0.20	57	Cultivable land	0.20	Cultivable land	0.20
789	Cultivable land	0.16	58	Cultivable land	0.16	Cultivable land	0.16
789	Cultivable land	0.41	59	Cultivable land	0.41	Cultivable land	0.41
789	Cultivable land	0.31	60	Cultivable land	0.31	Cultivable land	0.31
792	Cultivable land	0.11	61	Cultivable land	0.11	Homestead	0.11
792	Cultivable land	0.29	62	Homestead	0.29	Homestead	0.29
750	Ditch	0.98	63	Homestead	0.98	Homestead	0.98
752	Cultivable land	0.16	64	Homestead	0.16	Homestead	0.16
753	Cultivable land	0.14	65	Homestead	0.14	Homestead	0.14
754	Cultivable land	0.12	66	Homestead	0.12	Homestead	0.12
752,753,754	Cultivable land	0.69	67	Homestead	0.69	Homestead	0.69
750,751	Ditch	0.16	68	Mosque	0.16	Mosque	0.16
788	Cultivable land	0.20	69	Ditch	0.20	Ditch	0.20
788	Cultivable land	0.20	70	Cultivable land	0.20	Homestead	0.20
786	Cultivable land	0.29	71	Cultivable land	0.29	Homestead	0.29
785	Cultivable land	0.41	72	Cultivable land	0.41	Homestead	0.41
751,777,778	Cultivable land	0.57	73	Cultivable land	0.57	Homestead	0.57
774	Cultivable land	0.21	74	Cultivable land	0.21	Homestead	0.21
773,753	Cultivable land	0.07	75	Cultivable land	0.07	Homestead	0.07
772,754	Cultivable land	0.18	76	Cultivable land	0.18	Homestead	0.18
752,753,754	Cultivable land	0.34	77	Cultivable land	0.34	Homestead	0.34
752,753,754	Cultivable land	0.29	78	Cultivable land	0.29	Homestead	0.29
755	Cultivable land	1.29	79	Cultivable land	1.29	Pond	1.29
755	Cultivable land	0.22	80	Cultivable land	0.22	Homestead	0.22
771	Cultivable land	0.12	81	Cultivable land	0.12	Homestead	0.12
771	Cultivable land	0.14	82	Cultivable land	0.14	Homestead	0.14
756	Cultivable land	0.08	83	Homestead	0.08	Homestead	0.08
756	Cultivable land	0.11	84	Cultivable land	0.11	Homestead	0.11
756	Cultivable land	0.11	85	Cultivable land	0.11	Homestead	0.11
758,757	Ditch	0.18	86	Cultivable land	0.18	Homestead	0.18
757	Ditch	0.07	87	Ditch	0.07	Ditch	0.07
757	Ditch	0.07	88	Cultivable land	0.07	Homestead	0.07
759	Ditch	0.29	89	Cultivable land	0.29	Homestead	0.29
759	Ditch	0.11	90	Cultivable land	0.11	Homestead	0.11

764	Cultivable land	0.47	91	Homestead	0.47	Homestead	0.47	
765	Cultivable land	0.24	92	Homestead	0.24	Homestead	0.24	
765	Cultivable land	0.47	93	Homestead	0.47	Homestead	0.47	
766	Cultivable land	0.13	94	Homestead	0.13	Homestead	0.13	
766	Cultivable land	0.08	95	Homestead	0.08	Homestead	0.08	
767	Homestead	0.07	96	Homestead	0.07	Homestead	0.07	
767	Homestead	0.16	97	Homestead	0.16	Homestead	0.16	
768	Homestead	0.33	98	Homestead	0.33	Homestead	0.33	
767	Homestead	0.18	99	Homestead	0.18	Homestead	0.18	
768	Homestead	0.10	3700	Homestead	0.10	Homestead	0.10	
768	Homestead	0.15	3701	Homestead	0.15	Homestead	0.15	
769,770	Cultivable land	0.22	2	Homestead	0.22	Homestead	0.22	
769,770	Cultivable land	0.22	3	Homestead	0.22	Homestead	0.22	
770	Cultivable land	0.05	4	Homestead	0.05	Homestead	0.05	
770	Cultivable land	0.06	5	Homestead	0.06	Homestead	0.06	
769,770	Cultivable land	0.30	6	Homestead	0.30	Homestead	0.30	
775	Cultivable land	0.23	7	Homestead	0.23	Homestead	0.23	
775	Cultivable land	0.10	8	Homestead	0.10	Homestead	0.10	
776	Homestead	0.35	9	Homestead	0.35	Homestead	0.35	
779	Homestead	0.40	10	Homestead	0.40	Homestead	0.40	
777,778	Ditch	0.07	11	Ditch	0.07	Ditch	0.07	
780,781,782	Homestead	0.73	12	Homestead	0.73	Homestead	0.73	
783,784	Homestead	0.32	13	Homestead	0.32	Homestead	0.32	
783,784	Homestead	0.33	14	Homestead	0.33	Homestead	0.33	
783,784	Homestead	0.36	15	Homestead	0.36	Homestead	0.36	
847	Homestead	0.28	16	Homestead	0.28	Homestead	0.28	
846	Homestead	0.18	17	Homestead	0.18	Homestead	0.18	
846	Homestead	0.19	18	Homestead	0.19	Homestead	0.19	
845	Homestead	0.19	19	Homestead	0.19	Homestead	0.19	
845	Homestead	0.19	20	Homestead	0.19	Homestead	0.19	
844	Homestead	0.37	21	Homestead	0.37	Homestead	0.37	
842,843	Homestead	0.22	22	Homestead	0.22	Homestead	0.22	
842	Homestead	0.20	23	Homestead	0.20	Homestead	0.20	
841	Homestead	0.45	24	Homestead	0.45	Homestead	0.45	
841	Homestead	0.01	25	Madrasa	0.01	Madrasa	0.01	
841	Homestead	0.04	26	Mosque	0.04	Mosque	0.04	
841	Homestead	0.89	27	Homestead	0.89	Homestead	0.89	
834-836	Homestead	0.47	28	Homestead	0.47	Homestead	0.47	
830,832	Cultivable land	0.10	29	Homestead	0.10	Homestead	0.10	
834	Cultivable land	0.29	30	Homestead	0.29	Homestead	0.29	
834	Cultivable land	0.32	31	Homestead	0.32	Homestead	0.32	
994	Homestead	0.50	32	Homestead	0.50	Homestead	0.50	
992	Homestead	0.09	33	Homestead	0.09	Homestead	0.09	
993,992	Homestead	0.30	34	Homestead	0.30	Homestead	0.30	
991,992	Homestead	0.08	35	Homestead	0.08	Homestead	0.08	
991	Homestead	0.51	36	Homestead	0.51	Homestead	0.51	
991,1004	Homestead	0.32	37	Homestead	0.32	Homestead	0.32	
998,1006	Cultivable land	0.50	38	Road(G)	0.50	Road(G)	0.50	
1022	Cultivable land	0.35	39	Cultivable land	0.35	Cultivable land	0.35	
1008	Cultivable land	0.11	40	Cultivable land	0.11	Cultivable land	0.11	
1008	Cultivable land	0.25	41	Cultivable land	0.25	Cultivable land	0.25	
1007	Cultivable land	0.23	42	Cultivable land	0.23	Cultivable land	0.23	
1006	Cultivable land	0.21	43	Homestead	0.21	Homestead	0.21	
1011	Cultivable land	0.32	44	Homestead	0.32	Homestead	0.32	
1012	Cultivable land	0.27	45	Homestead	0.27	Homestead	0.27	
1015	Cultivable land	0.65	46	Homestead	0.65	Homestead	0.65	
1015	Cultivable land	0.18	47	Homestead	0.18	Homestead	0.18	
1045	Cultivable land	0.18	48	Homestead	0.18	Homestead	0.18	
1016	Cultivable land	0.40	49	Homestead	0.40	Homestead	0.40	
1016	Cultivable land	0.18	50	Homestead	0.18	Homestead	0.18	
1016	Cultivable land	0.16	51	Homestead	0.16	Homestead	0.16	
1013	Cultivable land	0.11	52	Homestead	0.11	Homestead	0.11	
1013	Cultivable land	0.17	53	Homestead	0.17	Homestead	0.17	
1112	Cultivable land	0.22	54	Cultivable land	0.22	Cultivable land	0.22	
1017	Cultivable land	0.21	55	Cultivable land	0.21	Cultivable land	0.21	
1017	Cultivable land	0.22	56	Cultivable land	0.22	Cultivable land	0.22	

1018	Cultivable land	0.39	57	Cultivable land	0.39	Cultivable land	0.39	
1018	Cultivable land	0.19	58	Cultivable land	0.19	Cultivable land	0.19	
1019,1020	Cultivable land	0.98	59	Cultivable land	0.98	Cultivable land	0.98	
1012	Cultivable land	0.06	60	Cultivable land	0.06	Cultivable land	0.06	
1010	Cultivable land	0.29	61	Cultivable land	0.29	Cultivable land	0.29	
1011	Cultivable land	0.36	62	Cultivable land	0.36	Cultivable land	0.36	
1021	Cultivable land	0.45	63	Cultivable land	0.45	Cultivable land	0.45	
1021	Cultivable land	0.19	64	Cultivable land	0.19	Cultivable land	0.19	
1098	Cultivable land	0.48	65	Cultivable land	0.48	Cultivable land	0.48	
1099	Cultivable land	0.67	66	Cultivable land	0.67	Cultivable land	0.67	
1010	Cultivable land	0.34	67	Cultivable land	0.34	Cultivable land	0.34	
1100,1097	Cultivable land	0.41	68	Cultivable land	0.41	Cultivable land	0.41	
1002	Cultivable land	0.49	69	Cultivable land	0.49	Cultivable land	0.49	
1005	Cultivable land	0.24	70	Cultivable land	0.24	Cultivable land	0.24	
1001	Cultivable land	0.15	71	Cultivable land	0.15	Cultivable land	0.15	
1096	Cultivable land	0.13	72	Shop	0.13	Shop	0.13	
1006	Cultivable land	0.62	73	Cultivable land	0.62	Cultivable land	0.62	
1104	Cultivable land	0.45	74	Cultivable land	0.45	Cultivable land	0.45	
1103	Cultivable land	0.46	75	Cultivable land	0.46	Cultivable land	0.46	
1114	Cultivable land	0.14	76	Cultivable land	0.14	Cultivable land	0.14	
1114	Cultivable land	0.22	77	Cultivable land	0.22	Cultivable land	0.22	
1114	Cultivable land	0.26	78	Cultivable land	0.26	Cultivable land	0.26	
1116	Cultivable land	0.16	79	Cultivable land	0.16	Cultivable land	0.16	
1116	Cultivable land	0.09	80	Cultivable land	0.09	Cultivable land	0.09	
1117	Cultivable land	0.13	81	Cultivable land	0.13	Cultivable land	0.13	
1117	Cultivable land	0.13	82	Cultivable land	0.13	Cultivable land	0.13	
1118	Cultivable land	0.14	83	Cultivable land	0.14	Cultivable land	0.14	
1119	Cultivable land	0.08	84	Cultivable land	0.08	Cultivable land	0.08	
1119	Cultivable land	0.08	85	Cultivable land	0.08	Cultivable land	0.08	
1120	Cultivable land	0.30	86	Cultivable land	0.30	Cultivable land	0.30	
1121	Cultivable land	0.13	87	Cultivable land	0.13	Cultivable land	0.13	
1110	Ditch	0.26	88	Cultivable land	0.26	Cultivable land	0.26	
1111	Cultivable land	0.19	89	Cultivable land	0.19	Cultivable land	0.19	
1111	Cultivable land	0.16	90	Cultivable land	0.16	Cultivable land	0.16	
1111	Cultivable land	0.19	91	Cultivable land	0.19	Cultivable land	0.19	
1110	Ditch	0.29	92	Cultivable land	0.29	Cultivable land	0.29	
1109	Cultivable land	0.40	93	Cultivable land	0.40	Cultivable land	0.40	
1158	Cultivable land	0.13	94	Cultivable land	0.13	Cultivable land	0.13	
1110	Ditch	0.05	95	Cultivable land	0.05	Cultivable land	0.05	
1155	Cultivable land	0.16	96	Cultivable land	0.16	Cultivable land	0.16	
1154	Cultivable land	0.20	97	Cultivable land	0.20	Cultivable land	0.20	
1110	Ditch	0.19	98	Cultivable land	0.19	Cultivable land	0.19	
1110	Ditch	0.18	99	Cultivable land	0.18	Cultivable land	0.18	
1110	Ditch	0.51	3800	Cultivable land	0.51	Cultivable land	0.51	
1110	Ditch	0.25	3801	Cultivable land	0.25	Cultivable land	0.25	
1152	Cultivable land	0.10	2	Cultivable land	0.10	Cultivable land	0.10	
1122	Cultivable land	0.09	3	Cultivable land	0.09	Cultivable land	0.09	
1123	Cultivable land	0.25	4	Cultivable land	0.25	Cultivable land	0.25	
1123	Cultivable land	0.24	5	Cultivable land	0.24	Cultivable land	0.24	
1133	Cultivable land	0.20	6	Cultivable land	0.20	Cultivable land	0.20	
1134	Cultivable land	0.21	7	Cultivable land	0.21	Cultivable land	0.21	
1134	Cultivable land	0.23	8	Cultivable land	0.23	Cultivable land	0.23	
1134	Cultivable land	0.22	9	Cultivable land	0.22	Cultivable land	0.22	
1152	Cultivable land	0.30	10	Cultivable land	0.30	Cultivable land	0.30	
1151	Cultivable land	0.10	11	Cultivable land	0.10	Cultivable land	0.10	
1135	Cultivable land	0.38	12	Cultivable land	0.38	Cultivable land	0.38	
1134	Cultivable land	0.34	13	Cultivable land	0.34	Cultivable land	0.34	
1132	Cultivable land	0.32	14	Cultivable land	0.32	Cultivable land	0.32	
1112	Cultivable land	0.27	15	Cultivable land	0.27	Cultivable land	0.27	
1124	Cultivable land	0.17	16	Cultivable land	0.17	Cultivable land	0.17	
1124	Cultivable land	0.21	17	Cultivable land	0.21	Cultivable land	0.21	
1124	Cultivable land	0.28	18	Cultivable land	0.28	Cultivable land	0.28	
1125	Cultivable land	0.05	19	Cultivable land	0.05	Cultivable land	0.05	
1125	Cultivable land	0.26	20	Cultivable land	0.26	Cultivable land	0.26	
1126	Cultivable land	0.17	21	Cultivable land	0.17	Cultivable land	0.17	
1126	Cultivable land	0.13	22	Cultivable land	0.13	Cultivable land	0.13	

1126	Cultivable land	0.07	23	Cultivable land	0.07	Cultivable land	0.07	
1126	Cultivable land	0.25	24	Cultivable land	0.25	Cultivable land	0.25	
1127	Cultivable land	0.22	25	Cultivable land	0.22	Cultivable land	0.22	
1127	Cultivable land	0.28	26	Cultivable land	0.28	Cultivable land	0.28	
1127	Cultivable land	0.29	27	Cultivable land	0.29	Cultivable land	0.29	
1126	Cultivable land	0.32	28	Cultivable land	0.32	Cultivable land	0.32	
1131	Cultivable land	0.14	29	Cultivable land	0.14	Cultivable land	0.14	
1132	Cultivable land	0.30	30	Cultivable land	0.30	Cultivable land	0.30	
1130	Cultivable land	0.46	31	Cultivable land	0.46	Cultivable land	0.46	
1137	Cultivable land	0.27	32	Cultivable land	0.27	Cultivable land	0.27	
1136	Cultivable land	0.40	33	Cultivable land	0.40	Cultivable land	0.40	
1151	Cultivable land	0.15	34	Cultivable land	0.15	Cultivable land	0.15	
1138	Cultivable land	0.29	35	Cultivable land	0.29	Cultivable land	0.29	
1147	Cultivable land	0.05	36	Cultivable land	0.05	Cultivable land	0.05	
1139,1141	Cultivable land	0.53	37	Cultivable land	0.53	Cultivable land	0.53	
1129	Cultivable land	0.22	38	Cultivable land	0.22	Cultivable land	0.22	
1129	Cultivable land	0.19	39	Cultivable land	0.19	Cultivable land	0.19	
1128	Cultivable land	0.21	40	Cultivable land	0.21	Cultivable land	0.21	
1128	Cultivable land	0.20	41	Cultivable land	0.20	Cultivable land	0.20	
1141	Cultivable land	0.16	42	Cultivable land	0.16	Cultivable land	0.16	
1141	Cultivable land	0.09	43	Cultivable land	0.09	Cultivable land	0.09	
1141,1710	Cultivable land	0.09	44	Cultivable land	0.09	Cultivable land	0.09	
1141	Cultivable land	0.32	45	Cultivable land	0.32	Cultivable land	0.32	
1141	Cultivable land	0.20	46	Cultivable land	0.20	Cultivable land	0.20	
1141	Cultivable land	0.28	47	Cultivable land	0.28	Cultivable land	0.28	
1141	Cultivable land	0.21	48	Cultivable land	0.21	Cultivable land	0.21	
1706	Cultivable land	0.22	49	Cultivable land	0.22	Cultivable land	0.22	
1659	Cultivable land	0.09	50	Cultivable land	0.09	Cultivable land	0.09	
1706	Cultivable land	0.05	51	Cultivable land	0.05	Cultivable land	0.05	
1706	Cultivable land	0.10	52	Cultivable land	0.10	Cultivable land	0.10	
1705	Cultivable land	0.18	53	Cultivable land	0.18	Cultivable land	0.18	
1707	Cultivable land	0.22	54	Cultivable land	0.22	Cultivable land	0.22	
1707	Cultivable land	0.23	55	Cultivable land	0.23	Cultivable land	0.23	
1708	Cultivable land	0.38	56	Cultivable land	0.38	Cultivable land	0.38	
1705	Cultivable land	0.22	57	Cultivable land	0.22	Cultivable land	0.22	
1705	Cultivable land	0.21	58	Cultivable land	0.21	Cultivable land	0.21	
1704	Cultivable land	0.11	59	Cultivable land	0.11	Cultivable land	0.11	
1704	Cultivable land	0.15	60	Cultivable land	0.15	Cultivable land	0.15	
1709,1704	Cultivable land	0.17	61	Cultivable land	0.17	Cultivable land	0.17	
1709	Cultivable land	0.16	62	Cultivable land	0.16	Cultivable land	0.16	
1704	Cultivable land	0.15	63	Cultivable land	0.15	Cultivable land	0.15	
1704,1710	Cultivable land	0.23	64	Cultivable land	0.23	Cultivable land	0.23	
1704,1710	Cultivable land	0.26	65	Cultivable land	0.26	Cultivable land	0.26	
1704,1710	Cultivable land	0.26	66	Cultivable land	0.26	Cultivable land	0.26	
1887	Ditch	0.35	67	Cultivable land	0.35	Cultivable land	0.35	
1703	Cultivable land	0.30	68	Cultivable land	0.30	Cultivable land	0.30	
1702	Cultivable land	0.13	69	Cultivable land	0.13	Cultivable land	0.13	
1702	Cultivable land	0.13	70	Cultivable land	0.13	Cultivable land	0.13	
1703	Cultivable land	0.29	71	Cultivable land	0.29	Cultivable land	0.29	
1703	Cultivable land	0.29	72	Cultivable land	0.29	Cultivable land	0.29	
1702	Cultivable land	0.10	73	Cultivable land	0.10	Cultivable land	0.10	
1703	Cultivable land	0.19	74	Cultivable land	0.19	Cultivable land	0.19	
1703,1702	Cultivable land	0.11	75	Cultivable land	0.11	Cultivable land	0.11	
1703	Cultivable land	0.11	76	Cultivable land	0.11	Cultivable land	0.11	
1700	Swamp	4.71	77	Orchard	4.71	Orchard	4.71	
1702,1699	Cultivable land	0.26	78	Cultivable land	0.26	Cultivable land	0.26	
1702,1699	Cultivable land	0.18	79	Cultivable land	0.18	Cultivable land	0.18	
1702,1699	Cultivable land	0.46	80	Cultivable land	0.46	Cultivable land	0.46	
1699	Cultivable land	0.75	81	Cultivable land	0.75	Cultivable land	0.75	
1887	Ditch	0.17	82	Cultivable land	0.17	Cultivable land	0.17	
1697,1689	Cultivable land	0.57	83	Cultivable land	0.57	Cultivable land	0.57	
1695	Ditch	0.19	84	Cultivable land	0.19	Cultivable land	0.19	
1695	Ditch	0.18	85	Cultivable land	0.18	Cultivable land	0.18	
1695	Ditch	0.28	86	Cultivable land	0.28	Cultivable land	0.28	
1695	Ditch	0.08	87	Cultivable land	0.08	Cultivable land	0.08	

1695	Ditch	0.34	88	Cultivable land	0.34	Cultivable land	0.34	
1696	Cultivable land	0.21	89	Cultivable land	0.21	Cultivable land	0.21	
1694,1696	Swamp	0.64	90	Ditch	0.64	Cultivable land	0.64	
1695	Swamp	0.15	91	Ditch	0.15	Cultivable land	0.15	
1695	Swamp	0.06	92	Ditch	0.06	Cultivable land	0.06	
1695	Swamp	0.13	93	Ditch	0.13	Cultivable land	0.13	
1695	Swamp	0.18	94	Ditch	0.18	Cultivable land	0.18	
1695	Swamp	0.16	95	Ditch	0.16	Cultivable land	0.16	
1693	Swamp	0.26	96	Ditch	0.26	Cultivable land	0.26	
1693	Swamp	0.27	97	Ditch	0.27	Cultivable land	0.27	
1692	Swamp	0.30	98	Ditch	0.30	Cultivable land	0.30	
1691	Swamp	0.25	99	Ditch	0.25	Cultivable land	0.25	
1686	Swamp	0.09	3900	Ditch	0.09	Cultivable land	0.09	
1686	Swamp	0.18	3901	Ditch	0.18	Cultivable land	0.18	
1690	Swamp	0.08	2	Ditch	0.08	Cultivable land	0.08	
1690	Swamp	0.09	3	Ditch	0.09	Cultivable land	0.09	
1690	Swamp	0.09	4	Ditch	0.09	Cultivable land	0.09	
1690	Swamp	0.10	5	Ditch	0.10	Cultivable land	0.10	
1694	Swamp	0.28	6	Ditch	0.28	Cultivable land	0.28	
1887	Swamp	5.88	7	Swamp	5.88	Swamp Resident	5.28 0.60	
1716	Swamp	0.30	8	Ditch	0.30	Cultivable land	0.30	
1717	Swamp	0.60	9	Swamp	0.60	Swamp	0.60	
1718	Swamp	0.50	10	Swamp	0.50	Swamp	0.50	
1715	Swamp	0.25	11	Ditch	0.25	Cultivable land	0.25	
1714	Swamp	0.35	12	Cultivable land	0.35	Cultivable land	0.35	
1713	Swamp	0.39	13	Cultivable land	0.39	Cultivable land	0.39	
1719	Swamp	0.64	14	Ditch	0.64	Cultivable land	0.64	
1720	Swamp	0.10	15	Ditch	0.10	Cultivable land	0.10	
1721	Swamp	0.10	16	Ditch	0.10	Cultivable land	0.10	
1723	Swamp	0.18	17	Ditch	0.18	Cultivable land	0.18	
1724	Swamp	0.18	18	Ditch	0.18	Cultivable land	0.18	
1725	Swamp	0.29	19	Ditch	0.29	Cultivable land	0.29	
1725	Swamp	0.15	20	Ditch	0.15	Cultivable land	0.15	
1726	Swamp	0.20	21	Ditch	0.20	Cultivable land	0.20	
1727	Swamp	0.51	22	Ditch	0.51	Cultivable land	0.51	
1727	Swamp	0.36	23	Ditch	0.36	Cultivable land	0.36	
1727	Swamp	0.31	24	Ditch	0.31	Cultivable land	0.31	
1730	Swamp	0.38	25	Ditch	0.38	Cultivable land	0.38	
1731	Swamp	0.18	26	Ditch	0.18	Cultivable land	0.18	
1731	Swamp	0.17	27	Ditch	0.17	Cultivable land	0.17	
1732	Swamp	0.17	28	Ditch	0.17	Cultivable land	0.17	
1733	Swamp	0.15	29	Ditch	0.15	Cultivable land	0.15	
1734	Swamp	0.26	30	Ditch	0.26	Cultivable land	0.26	
1736	Swamp	0.39	31	Ditch	0.39	Cultivable land	0.39	
1736	Swamp	0.21	32	Ditch	0.21	Cultivable land	0.21	
1739	Swamp	0.12	33	Ditch	0.12	Cultivable land	0.12	
1740	Swamp	0.14	34	Ditch	0.14	Cultivable land	0.14	
1738	Swamp	0.45	35	Ditch	0.45	Cultivable land	0.45	
1744	Swamp	0.62	36	Ditch	0.62	Cultivable land	0.62	
1741	Swamp	0.30	37	Ditch	0.30	Cultivable land	0.30	
1742	Swamp	0.28	38	Ditch	0.28	Cultivable land	0.28	
1747,1748	Swamp	0.49	39	Ditch	0.49	Cultivable land	0.49	
1747,1748	Cultivable land	0.11	40	Cultivable land	0.11	Cultivable land	0.11	
1745,1746	Cultivable land	0.30	41	Cultivable land	0.30	Cultivable land	0.30	
1745,1746	Cultivable land	0.27	42	Cultivable land	0.27	Cultivable land	0.27	
1745,2746	Cultivable land	0.31	43	Cultivable land	0.31	Cultivable land	0.31	
1748	Cultivable land	0.52	44	Cultivable land	0.52	Cultivable land	0.52	
1749	Cultivable land	0.33	45	Cultivable land	0.33	Cultivable land	0.33	
1750	Cultivable land	0.18	46	Cultivable land	0.18	Cultivable land	0.18	
1751	Cultivable land	0.20	47	Cultivable land	0.20	Cultivable land	0.20	
1752	Cultivable land	0.20	48	Cultivable land	0.20	Cultivable land	0.20	
1753	Cultivable land	0.17	49	Cultivable land	0.17	Cultivable land	0.17	
1754,1755	Cultivable land	0.73	50	Cultivable land	0.73	Cultivable land	0.73	
1756	Swamp	0.26	51	Cultivable land	0.26	Cultivable land	0.26	
1756	Swamp	0.38	52	Cultivable land	0.38	Cultivable land	0.38	

1756	Swamp	0.23	53	Cultivable land	0.23	Cultivable land	0.23	
1756	Swamp	0.20	54	Cultivable land	0.20	Cultivable land	0.20	
1756	Swamp	0.33	55	Cultivable land	0.33	Cultivable land	0.33	
1756	Swamp	0.19	56	Road(G)	0.19	Road(G)	0.19	
986	Swamp	0.40	57	Cultivable land	0.40	Cultivable land	0.40	
986	Swamp	0.33	58	Cultivable land	0.33	Cultivable land	0.33	
986	Swamp	0.35	59	Cultivable land	0.35	Cultivable land	0.35	
986	Swamp	0.29	60	Cultivable land	0.29	Cultivable land	0.29	
997	Cultivable land	0.10	61	Cultivable land	0.10	Cultivable land	0.10	
987,986,983	Cultivable land	0.10	62	Cultivable land	0.10	Cultivable land	0.10	
983	Cultivable land	0.10	63	Cultivable land	0.10	Cultivable land	0.10	
983	Cultivable land	0.10	64	Cultivable land	0.10	Cultivable land	0.10	
983	Cultivable land	0.12	65	Cultivable land	0.12	Cultivable land	0.12	
983	Cultivable land	0.12	66	Cultivable land	0.12	Cultivable land	0.12	
984	Cultivable land	0.11	67	Cultivable land	0.11	Cultivable land	0.11	
984	Cultivable land	0.09	68	Cultivable land	0.09	Cultivable land	0.09	
984,985	Cultivable land	0.08	69	Cultivable land	0.08	Cultivable land	0.08	
984,985	Cultivable land	0.12	70	Cultivable land	0.12	Cultivable land	0.12	
984,985	Cultivable land	0.17	71	Homestead	0.17	Homestead	0.17	
984,985	Cultivable land	0.28	72	Cultivable land	0.28	Homestead	0.28	
983	Swamp	0.14	73	Cultivable land	0.14	Homestead	0.14	
982	Swamp	0.14	74	Cultivable land	0.14	Homestead	0.14	
982	Swamp	0.31	75	Cultivable land	0.31	Cultivable land	0.31	
982	Swamp	0.21	76	Cultivable land	0.21	Cultivable land	0.21	
988	Swamp	0.17	77	Cultivable land	0.17	Cultivable land	0.17	
989	Swamp	0.08	78	Cultivable land	0.08	Cultivable land	0.08	
989	Swamp	0.10	79	Cultivable land	0.10	Cultivable land	0.10	
989	Swamp	0.06	80	Cultivable land	0.06	Cultivable land	0.06	
989	Swamp	0.09	81	Cultivable land	0.09	Cultivable land	0.09	
981	Swamp	0.24	82	Cultivable land	0.24	Cultivable land	0.24	
980	Swamp	0.18	83	Cultivable land	0.18	Homestead	0.18	
949	Swamp	0.12	84	Cultivable land	0.12	Homestead	0.12	
950	Swamp	0.06	85	Cultivable land	0.06	Homestead	0.06	
947	Swamp	0.11	86	Cultivable land	0.11	Cultivable land	0.11	
948	Swamp	0.23	87	Cultivable land	0.23	Cultivable land	0.23	
945	Swamp	0.19	88	Cultivable land	0.19	Cultivable land	0.19	
945	Swamp	0.19	89	Cultivable land	0.19	Cultivable land	0.19	
945	Swamp	0.16	90	Cultivable land	0.16	Cultivable land	0.16	
947	Swamp	0.07	91	Homestead	0.07	Homestead	0.07	
946	Swamp	0.06	92	Cultivable land	0.06	Homestead	0.06	
950	Homestead	0.06	93	Homestead	0.06	Homestead	0.06	
951	Homestead	0.04	94	Homestead	0.04	Homestead	0.04	
951	Homestead	0.06	95	Homestead	0.06	Homestead	0.06	
946	Swamp	0.06	96	Ditch	0.06	Homestead	0.06	
946	Swamp	0.12	97	Ditch	0.12	Ditch	0.12	
945	Swamp	0.05	98	Ditch	0.05	Homestead	0.05	
945	Swamp	0.05	99	Ditch	0.05	Homestead	0.05	
945	Swamp	0.12	4000	Homestead	0.12	Homestead	0.12	
911	Homestead	0.11	4001	Homestead	0.11	Homestead	0.11	
943,955	Homestead	0.07	2	Homestead	0.07	Homestead	0.07	
943	Homestead	0.19	3	Homestead	0.19	Homestead	0.19	
952	Homestead	0.06	4	Homestead	0.06	Homestead	0.06	
953	Homestead	0.06	5	Homestead	0.06	Homestead	0.06	
953	Homestead	0.04	6	Homestead	0.04	Homestead	0.04	
939	Swamp	0.05	7	Homestead	0.05	Homestead	0.05	
939	Swamp	0.24	8	Ditch	0.24	Ditch	0.24	
941	Swamp	0.21	9	Homestead	0.21	Homestead	0.21	
940	Cultivable land	0.06	10	Homestead	0.06	Homestead	0.06	
940	Cultivable land	0.03	11	Homestead	0.03	Homestead	0.03	
940	Cultivable land	0.03	12	Homestead	0.03	Homestead	0.03	
936	Swamp	0.04	13	Swamp	0.04	Homestead	0.04	
936	Swamp	0.05	14	Swamp	0.05	Homestead	0.05	
937	Cultivable land	0.09	15	Homestead	0.09	Homestead	0.09	
938	Cultivable land	0.08	16	Cultivable land	0.08	Homestead	0.08	
954	Homestead	0.10	17	Homestead	0.10	Homestead	0.10	
937,954	C.L	0.24	18	Homestead	0.24	Homestead	0.24	

935,936,933	Homestead	0.29	19	Homestead	0.29	Homestead	0.29	
934	Cultivable land	0.07	20	Cultivable land	0.07	Homestead	0.07	
934	Cultivable land	0.07	21	Cultivable land	0.07	Homestead	0.07	
934	Cultivable land	0.10	22	Cultivable land	0.10	Homestead	0.10	
934,935	Cultivable land,	0.09	23	Cultivable land	0.09	Homestead	0.09	
932	Cultivable land	0.14	24	Cultivable land	0.14	Homestead	0.14	
932	Cultivable land	0.13	25	Cultivable land	0.13	Homestead	0.13	
931	Cultivable land	0.06	26	Cultivable land	0.06	Homestead	0.06	
931	Cultivable land	0.06	27	Cultivable land	0.06	Homestead	0.06	
930	Cultivable land	0.06	28	Cultivable land	0.06	Homestead	0.06	
930	Cultivable land	0.06	29	Cultivable land	0.06	Homestead	0.06	
923	Cultivable land	0.11	30	Cultivable land	0.11	Homestead	0.11	
929	Cultivable land	0.13	31	Homestead	0.13	Homestead	0.13	
928	Swamp	0.45	32	Ditch	0.45	Ditch	0.45	
927,928	Swamp, Road	1.05, 0.45	33	Road(G)	1.50	Road(G)	1.50	
849	Cultivable land	0.11	34	Homestead	0.11	Homestead	0.11	
914	Cultivable land	0.12	35	Homestead	0.12	Homestead	0.12	
914	Cultivable land	0.09	36	Homestead	0.09	Homestead	0.09	
913	Cultivable land	0.08	37	Homestead	0.08	Homestead	0.08	
913	Cultivable land	0.08	38	Homestead	0.08	Homestead	0.08	
850	Cultivable land	0.11	39	Homestead	0.11	Homestead	0.11	
851,852	Cultivable land	0.20	40	Homestead	0.20	Homestead	0.20	
912	Cultivable land	0.07	41	Graveyard	0.07	Graveyard	0.07	
910,911	Cultivable land	0.16	42	Homestead	0.16	Homestead	0.16	
909	Cultivable land	0.09	43	Homestead	0.09	Homestead	0.09	
852	Cultivable land	0.10	44	Homestead	0.10	Homestead	0.10	
853	Cultivable land	0.13	45	Homestead	0.13	Homestead	0.13	
854	Cultivable land	0.21	46	Homestead	0.21	Homestead	0.21	
855	Cultivable land	0.07	47	Homestead	0.07	Homestead	0.07	
855	Cultivable land	0.25	48	Homestead	0.25	Homestead	0.25	
908	Homestead	0.03	49	Homestead	0.03	Homestead	0.03	
908	Homestead	0.03	50	Homestead	0.03	Homestead	0.03	
908	Homestead	0.0101	51	Homestead	0.0101	Homestead	0.0101	
908	Homestead	0.02	52	Homestead	0.02	Homestead	0.02	
908	Homestead	0.07	53	Homestead	0.07	Homestead	0.07	
908	Homestead	0.05	54	Homestead	0.05	Homestead	0.05	
908	Homestead	0.03	55	Homestead	0.03	Homestead	0.03	
908	Homestead	0.03	56	Homestead	0.03	Homestead	0.03	
908	Homestead	0.07	57	Homestead	0.07	Homestead	0.07	
908	Homestead	0.04	58	Homestead	0.04	Homestead	0.04	
908	Homestead	0.20	59	Homestead	0.20	Homestead	0.20	
857,858	Road	0.21	60	Road	0.21	Road	0.21	
858	Cultivable land	0.14	61	Homestead	0.14	Homestead	0.14	
859	Cultivable land	0.20	62	Homestead	0.20	Homestead	0.20	
865	Cultivable land	0.22	63	Homestead	0.22	Homestead	0.22	
866	Cultivable land	0.21	64	Homestead	0.21	Homestead	0.21	
863	Homestead	0.44	65	Homestead	0.44	Homestead	0.44	
860	Homestead	0.35	66	Homestead	0.35	Homestead	0.35	
861	Cultivable land	0.24	67	Homestead	0.24	Homestead	0.24	
862	Cultivable land	0.36	68	Homestead	0.36	Homestead	0.36	
867,868	Cultivable land	0.24	69	Homestead	0.24	Homestead	0.24	
867,868	Cultivable land	0.21	70	Homestead	0.21	Homestead	0.21	
868-870	Cultivable land	0.22	71	Homestead	0.22	Homestead	0.22	
870-872	Cultivable land	0.22	72	Homestead	0.22	Homestead	0.22	
871-873	Cultivable land	0.40	73	Homestead	0.40	Homestead	0.40	
873	Cultivable land	0.14	74	Homestead	0.14	Homestead	0.14	
873	Cultivable land	0.27	75	Homestead	0.27	Homestead	0.27	
874	Cultivable land	0.16	76	Hallot	0.16	Hallot	0.16	
874	Cultivable land	0.21	77	Homestead	0.21	Homestead	0.21	
875,876	Swamp	0.22	78	Ditch	0.22	Homestead	0.22	
876/3120	Swamp	0.12	79	Ditch	0.12	Homestead	0.12	
877	Swamp	0.40	80	Ditch	0.40	Homestead	0.40	
877/3120	Swamp	0.38	81	Ditch	0.38	Ditch	0.38	
877	Swamp	0.08	82	Homestead	0.08	Homestead	0.08	
877	Swamp	0.03	83	Homestead	0.03	Homestead	0.03	

877	Swamp	0.05	84	Homestead	0.05	Homestead	0.05
875,891	Cultivable land	0.66	85	Homestead	0.66	Homestead	0.66
876,891	Cultivable land	0.16	86	Homestead	0.16	Homestead	0.16
886,887,888	Cultivable land	0.1701	87	Homestead	0.1701	Homestead	0.1701
877	Swamp	0.04	88	Homestead	0.04	Homestead	0.04
886	Cultivable land	0.18	89	Homestead	0.18	Homestead	0.18
877	Swamp	0.07	90	Homestead	0.07	Homestead	0.07
877	Swamp	0.15	91	Homestead	0.15	Homestead	0.15
877	Swamp	0.14	92	Homestead	0.14	Homestead	0.14
885-887	Ditch, C.L	0.43 0.40	93	Ditch Resident	0.60 0.23	Homestead	0.83
876,806	Cultivable land	0.0301	94	Homestead	0.0301	Homestead	0.0301
886,888	Cultivable land	0.18	95	Homestead	0.18	Homestead	0.18
885,886	Cultivable land	0.28	96	Homestead	0.28	Homestead	0.28
885,887	Cultivable land	0.18	97	Homestead	0.18	Homestead	0.18
887,888	Cultivable land	0.16	98	Homestead	0.16	Homestead	0.16
887,889,890	Cultivable land, H	0.33	99	Homestead	0.33	Homestead	0.33
885,887	Cultivable land	0.24	4100	Homestead	0.24	Homestead	0.24
885,887	Cultivable land	0.20	4101	Homestead	0.20	Homestead	0.20
887,890	Cultivable land,	0.20	2	Homestead	0.20	Homestead	0.20
891	Cultivable land	0.30	3	Homestead	0.30	Homestead	0.30
873,874	Cultivable land	0.29	4	Homestead	0.29	Homestead	0.29
875,891,892	Cultivable land	0.43	5	Pond	0.43	Pond	0.43
890	Homestead	0.29	6	Homestead	0.29	Homestead	0.29
885	Swamp	0.27	7	Homestead	0.27	Homestead	0.27
893	Homestead	0.26	8	Homestead	0.26	Homestead	0.26
894,895	Cultivable land	0.23	9	Homestead	0.23	Homestead	0.23
893	Homestead	0.14	10	Homestead	0.14	Homestead	0.14
894	Cultivable land	0.11	11	Homestead	0.11	Homestead	0.11
895,898	Cultivable land	0.36	12	Homestead	0.36	Homestead	0.36
896,897	Homestead	0.47	13	Homestead	0.47	Homestead	0.47
897	Homestead	0.20	14	Homestead	0.20	Homestead	0.20
898	Cultivable land	0.16	15	Ditch	0.16	Homestead	0.16
899	Cultivable land,	0.09	16	Homestead	0.09	Homestead	0.09
900	Homestead	0.11	17	Homestead	0.11	Homestead	0.11
900	Homestead	0.12	18	Homestead	0.12	Homestead	0.12
899	Ditch	0.09	19	Ditch	0.09	Homestead	0.09
899	Ditch	0.10	20	Ditch	0.10	Homestead	0.10
900	Homestead	0.13	21	Homestead	0.13	Homestead	0.13
901	Ditch	0.21	22	Homestead	0.21	Homestead	0.21
902	Ditch	0.20	23	Ditch	0.20	Homestead	0.20
903	Ditch	0.14	24	Ditch	0.14	Homestead	0.14
904	Ditch	0.17	25	Homestead	0.17	Homestead	0.17
905	Ditch	0.08	26	Homestead	0.08	Homestead	0.08
905	Ditch	0.06	27	Ditch	0.06	Homestead	0.06
905	Ditch	0.12	28	Ditch	0.12	Homestead	0.12
905	Ditch	0.14	29	Homestead	0.14	Homestead	0.14
905	Ditch	0.07	30	Homestead	0.07	Homestead	0.07
905	Ditch	0.04	31	Ditch	0.04	Homestead	0.04
905	Ditch	0.11	32	Homestead	0.11	Homestead	0.11
905	Ditch	0.12	33	Homestead	0.12	Homestead	0.12
905	Ditch	0.24	34	Homestead	0.24	Homestead	0.24
905	Ditch	0.22	35	Homestead	0.22	Homestead	0.22
906	Hallot	0.41	36	Hallot	0.41	Hallot	0.41
907	Ditch	0.13	37	Ditch	0.13	Homestead	0.13
907	Ditch	0.30	38	Ditch	0.30	Homestead	0.30
907	Ditch	0.20	39	Homestead	0.20	Homestead	0.20
921	Ditch	0.14	40	Homestead	0.14	Homestead	0.14
922,923	Ditch	0.32	41	Homestead	0.32	Homestead	0.32
924	Ditch	0.25	42	Homestead	0.25	Homestead	0.25
924,925	Ditch	0.26	43	Homestead	0.26	Homestead	0.26
925	Ditch	0.27	44	Homestead	0.27	Homestead	0.27
926	Ditch	0.28	45	Homestead	0.28	Homestead	0.28
926	Ditch	0.28	46	Homestead	0.28	Homestead	0.28
927	Hallot(G)	0.11	47	Hallot(G)	0.11	Hallot(G)	0.11
914,915,921,923	C, H, R,C	0.10, 0.10,	48	Road	0.40	Road	0.40

		0,10,0.10						
907,908	Ditch	0.45	49	Homestead	0.45	Homestead	0.45	
908	Homestead	0.14	50	Homestead	0.14	Homestead	0.14	
908	Homestead	0.26	51	Homestead	0.26	Homestead	0.26	
908	Homestead	0.12	52	Homestead	0.12	Homestead	0.12	
908	Homestead	0.12	53	Homestead	0.12	Homestead	0.12	
908	Homestead	0.09	54	Mosque	0.09	Mosque	0.09	mazar
908	Homestead	0.10	55	Homestead	0.10	Homestead	0.10	
920	Homestead	0.18	56	Homestead	0.18	Homestead	0.18	
918,919	Homestead	0.30	57	Homestead	0.30	Homestead	0.30	
917	Homestead	0.14	58	Homestead	0.14	Homestead	0.14	
914	Homestead	0.15	59	Homestead	0.15	Homestead	0.15	
916	Homestead	0.15	60	Homestead	0.15	Homestead	0.15	
915	Homestead	0.18	61	Homestead	0.18	Homestead	0.18	
915	Homestead	0.20	62	Homestead	0.20	Homestead	0.20	
915	Homestead	0.13	63	Road	0.13	Road	0.13	
960	Cultivable land	0.28	64	Homestead	0.28	Homestead	0.28	
960	Cultivable land	0.12	65	Homestead	0.12	Homestead	0.12	
959	Cultivable land	0.12	66	Homestead	0.12	Homestead	0.12	
985,959	Cultivable land	0.22	67	Homestead	0.22	Homestead	0.22	
958	Homestead	0.22	68	Homestead	0.22	Homestead	0.22	
957	Homestead	0.20	69	Homestead	0.20	Homestead	0.20	
957	Homestead	0.20	70	Homestead	0.20	Homestead	0.20	
956	Homestead	0.25	71	Homestead	0.25	Homestead	0.25	
956	Homestead	0.20	72	Homestead	0.20	Homestead	0.20	
955,956	Homestead	0.09	73	Homestead	0.09	Homestead	0.09	
955,956	Homestead	0.20	74	Homestead	0.20	Homestead	0.20	
954,967	Homestead	0.14	75	Homestead	0.14	Homestead	0.14	
954	Homestead	0.20	76	Homestead	0.20	Homestead	0.20	
968,953	Homestead	0.30	77	Homestead	0.30	Homestead	0.30	
952,953	Homestead	0.17	78	Homestead	0.17	Homestead	0.17	
952,959	Homestead	0.13	79	Homestead	0.13	Homestead	0.13	
952,969	Homestead	0.13	80	Homestead	0.13	Homestead	0.13	
951,952	Homestead	0.48	81	Homestead	0.48	Homestead	0.48	
970,950	Homestead	0.22	82	Homestead	0.22	Homestead	0.22	
950	Homestead	0.21	83	Homestead	0.21	Homestead	0.21	
949	Homestead	0.35	84	Homestead	0.35	Homestead	0.35	
949,980	Homestead	0.47	85	Homestead	0.47	Homestead	0.47	
980	Homestead	0.29	86	Homestead	0.29	Homestead	0.29	
941	C	0.16	87	Homestead	0.16	Homestead	0.16	
980	Homestead	0.13	88	Homestead	0.13	Homestead	0.13	
980	Homestead	0.26	89	Homestead	0.26	Homestead	0.26	
980,979	Homestead	0.13	90	Homestead	0.13	Homestead	0.13	
979	Homestead	0.47	91	Homestead	0.47	Homestead	0.47	
979	Homestead	0.47	92	Homestead	0.47	Homestead	0.47	
977	Homestead	0.40	93	Homestead	0.40	Homestead	0.40	
961-966	Ditch	0.44	94	Road	0.44	Road	0.44	
961	Ditch	0.37	95	Homestead	0.37	Homestead	0.37	
961	Ditch	0.13	96	Homestead	0.13	Homestead	0.13	
962	Ditch	0.18	97	Homestead	0.18	Homestead	0.18	
962	Ditch	0.42	98	Homestead	0.42	Homestead	0.42	
964	Ditch	0.22	99	Ditch	0.22	Homestead	0.22	
964	Ditch	0.22	4200	Ditch	0.22	Homestead	0.22	
965	Ditch	0.20	4201	Ditch	0.20	Homestead	0.20	
965	Ditch	0.20	2	Ditch	0.20	Homestead	0.20	
966	Ditch	0.11	3	Homestead	0.11	Homestead	0.11	
966	Ditch	0.18	4	Ditch	0.18	Homestead	0.18	
967	Ditch	0.34	5	Ditch	0.34	Homestead	0.34	
968	Ditch	0.33	6	Ditch	0.33	Homestead	0.33	
969	Ditch	0.17	7	Ditch	0.17	Homestead	0.17	
969	Ditch	0.14	8	Ditch	0.14	Homestead	0.14	
969	Ditch	0.14	9	Ditch	0.14	Homestead	0.14	
970,969	Ditch	0.53	10	Ditch	0.53	Homestead	0.53	
971	Ditch	0.23	11	Ditch	0.23	Homestead	0.23	
971	Ditch	0.23	12	Ditch	0.23	Homestead	0.23	
971	Ditch	0.38	13	Ditch	0.38	Homestead	0.38	

972,973	Ditch	0.59	14	Ditch	0.59	Homestead	0.59	
973	Ditch	0.45	15	Ditch	0.45	Homestead	0.45	
973	Ditch	0.41	16	Ditch	0.41	Homestead	0.41	
974	Ditch	0.32	17	Ditch	0.32	Homestead	0.32	
975	Ditch	0.36	18	Ditch	0.36	Homestead	0.36	
976	Ditch	0.36	19	Ditch	0.36	Homestead	0.36	
1757	Road(G)	0.25	20	Road(G)	0.25	Road(G)	0.25	
1761	C	0.17	21	Homestead	0.17	Homestead	0.17	
1761	C	0.03	22	Road(G)	0.03	Road(G)	0.03	
1761	C	0.29	23	Homestead	0.29	Homestead	0.29	
1761,1771	C	0.70	24	Homestead	0.70	Homestead	0.70	
1763	Ditch	0.20	25	Ditch	0.20	Ditch	0.20	
1768	Ditch	0.27	26	Ditch	0.27	Ditch	0.27	
1771	C	0.23	27	Homestead	0.23	Homestead	0.23	
1770,1771	D, C	0.13, 0.40	28	Homestead	0.53	Homestead	0.53	
1790	D	0.13	29	Homestead	0.13	Homestead	0.13	
1781,1782	C	0.20	30	Homestead	0.20	Homestead	0.20	
1779	H	0.11	31	Homestead	0.11	Homestead	0.11	
1790	D	0.11	32	Homestead	0.11	Homestead	0.11	
1778	C	0.10	33	Homestead	0.10	Homestead	0.10	
1779	Homestead	0.12	34	Homestead	0.12	Homestead	0.12	
1779	Homestead	0.09	35	Homestead	0.09	Homestead	0.09	
1779	Homestead	0.09	36	Homestead	0.09	Homestead	0.09	
1777,1778	C	0.10	37	Homestead	0.10	Homestead	0.10	
1776,1779	H	0.14	38	Homestead	0.14	Homestead	0.14	
1779	H	0.11	39	Homestead	0.11	Homestead	0.11	
1777	C	0.09	40	Homestead	0.09	Homestead	0.09	
1772	C	0.12	41	Homestead	0.12	Homestead	0.12	
1773	H	0.18	42	Homestead	0.18	Homestead	0.18	
1773	H	0.16	43	Homestead	0.16	Homestead	0.16	
1760	C	0.09	44	Homestead	0.09	Homestead	0.09	
1760	C	0.15	45	Ditch	0.15	Homestead	0.15	
1759,1760	C	0.18	46	Homestead	0.18	Homestead	0.18	
1759,1760	C	0.21	47	Homestead	0.21	Homestead	0.21	
1759	C	0.13	48	Homestead	0.13	Homestead	0.13	
1758	C	0.08	49	Homestead	0.08	Homestead	0.08	
1758	C	0.06	50	Homestead	0.06	Homestead	0.06	
1758	C	0.07	51	Homestead	0.07	Homestead	0.07	
1758	C	0.05	52	Homestead	0.05	Homestead	0.05	
1758	C	0.04	53	Homestead	0.04	Homestead	0.04	
1774	H	0.06	54	Homestead	0.06	Homestead	0.06	
1774	H	0.11	55	Homestead	0.11	Homestead	0.11	
1775	H	0.09	56	Homestead	0.09	Homestead	0.09	
1775	H	0.08	57	Homestead	0.08	Homestead	0.08	
1780,1775	H	0.09	58	Homestead	0.09	Homestead	0.09	
1780	H	0.06	59	Homestead	0.06	Homestead	0.06	
1780	H	0.06	60	Homestead	0.06	Homestead	0.06	
1780	H	0.06	61	Homestead	0.06	Homestead	0.06	
1781	C	0.12	62	Homestead	0.12	Homestead	0.12	
1781	C	0.10	63	Homestead	0.10	Homestead	0.10	
1781	C	0.11	64	Homestead	0.11	Homestead	0.11	
1784	C	0.22	65	Homestead	0.22	Homestead	0.22	
1784	C	0.36	66	Homestead	0.36	Homestead	0.36	
1787	D	0.42	67	School	0.42	School	0.42	
1787,1788	D	0.22	68	Homestead	0.22	Homestead	0.22	
1788	D	0.58	69	Homestead	0.58	Homestead	0.58	
1789	D	0.14	70	Homestead	0.14	Homestead	0.14	
1783	Homestead	0.19	71	Homestead	0.19	Homestead	0.19	
1783	Homestead	0.14	72	Homestead	0.14	Homestead	0.14	
1790	Ditch	0.07	73	Homestead	0.07	Homestead	0.07	
1790	Ditch	0.08	74	Homestead	0.08	Homestead	0.08	
1769	Ditch	0.18	75	Ditch	0.18	Ditch	0.18	
1766	Ditch	0.15	76	Ditch	0.15	Ditch	0.15	
1768	Ditch	0.08	77	Ditch	0.08	Ditch	0.08	
1768	Ditch	0.09	78	Ditch	0.09	Ditch	0.09	
1768	Ditch	0.19	79	Ditch	0.19	Ditch	0.19	

1791	Ditch	0.11	80	Ditch	0.11	Ditch	0.11	
1790	Ditch	0.37	81	Ditch	0.37	Ditch	0.37	
1790	Ditch	0.31	82	Ditch	0.31	Ditch	0.31	
1791	Ditch	0.21	83	Ditch	0.21	Ditch	0.21	
1792,1793	Ditch	0.32	84	Ditch	0.32	Ditch	0.32	
1794	Ditch	0.40	85	Ditch	0.40	Ditch	0.40	
1795	Ditch	0.20	86	Ditch	0.20	Ditch	0.20	
980	Homestead	0.18	87	Homestead	0.18	Homestead	0.18	
1788,1796	Ditch	0.09	88	Homestead	0.09	Homestead	0.09	
1788,1796	Ditch	0.08	89	Homestead	0.08	Homestead	0.08	
1788,1796	Ditch	0.09	90	Homestead	0.09	Homestead	0.09	
1788,1796	Ditch	0.09	91	Homestead	0.09	Homestead	0.09	
1788,1796	Ditch	0.09	92	Homestead	0.09	Homestead	0.09	
1788,1796	Ditch	0.09	93	Homestead	0.09	Homestead	0.09	
1796	Ditch	0.33	94	Homestead	0.33	Homestead	0.33	
1788	Ditch	0.18	95	Homestead	0.18	Homestead	0.18	
1788	Ditch	0.11	96	Homestead	0.11	Homestead	0.11	
1788	Ditch	0.09	97	Homestead	0.09	Homestead	0.09	
1787	Ditch	0.09	98	Homestead	0.09	Homestead	0.09	
1797	Cultivable land	0.12	99	Homestead	0.12	Homestead	0.12	
1797	Cultivable land	0.13	4300	Homestead	0.13	Homestead	0.13	
1798	Homestead	0.31	4301	Homestead	0.31	Homestead	0.31	
1799,1822	Homestead	0.12	2	Homestead	0.12	Homestead	0.12	
1799	Homestead	0.12	3	Homestead	0.12	Homestead	0.12	
1800,1821	Homestead	0.24	4	Homestead	0.24	Homestead	0.24	
1823	Cultivable land	0.28	5	Homestead	0.28	Homestead	0.28	
1824	Cultivable land	0.16	6	Homestead	0.16	Homestead	0.16	
1824	Cultivable land	0.09	7	Homestead	0.09	Homestead	0.09	
1824	Cultivable land	0.07	8	Homestead	0.07	Homestead	0.07	
1824	Cultivable land	0.07	9	Homestead	0.07	Homestead	0.07	
1825	Ditch	0.22	10	Homestead	0.22	Homestead	0.22	
1828,1827	Ditch	0.60	11	Homestead	0.60	Homestead	0.60	
1828,1827	Ditch	0.72	12	Ditch	0.72	Ditch	0.72	
1825	Ditch	0.34	13	Homestead	0.34	Homestead	0.34	
1820,1821	Cultivable land	0.65	14	H, Mosque	0.40, 25	H, Mosque	0.65	
1802	Homestead	0.26	15	Homestead	0.26	Homestead	0.26	
1818,1819	Cultivable land	0.21	16	Homestead	0.21	Homestead	0.21	
1830	Ditch	0.10	17	Ditch	0.10	Ditch	0.10	
1829,1831	Ditch	0.40	18	Ditch	0.40	Ditch	0.40	
1833	Ditch	0.17	19	Ditch	0.17	Ditch	0.17	
1832	Ditch	0.13	20	Ditch	0.13	Ditch	0.13	
1832	Ditch	0.15	21	Ditch	0.15	Ditch	0.15	
1832	Ditch	0.11	22	Ditch	0.11	Ditch	0.11	
1802,1803	Homestead	0.20	23	Homestead	0.20	Homestead	0.20	
1802,1803	Homestead	0.20	24	Homestead	0.20	Homestead	0.20	
1802,1817	Homestead	0.35	25	Homestead	0.35	Homestead	0.35	
1804,1817	Homestead	0.35	26	Homestead	0.35	Homestead	0.35	
1832	Ditch	0.07	27	Ditch	0.07	Ditch	0.07	
1834	Ditch	0.34	28	Ditch	0.34	Ditch	0.34	
1805,1816	Homestead	0.44	29	Homestead	0.44	Homestead	0.44	
1805,1806	Homestead	0.42	30	Homestead	0.42	Homestead	0.42	
1704	Cultivable land	0.22	31	Homestead	0.22	Homestead	0.22	
1808,1813	Homestead	0.31	32	Homestead	0.31	Homestead	0.31	
1802,1809	Homestead	0.35	33	Homestead	0.35	Homestead	0.35	
1810	Homestead	0.29	34	Homestead	0.29	Homestead	0.29	
1873,1874	Homestead	0.31	35	Homestead	0.31	Homestead	0.31	
1873,1874	Homestead	0.14	36	Homestead	0.14	Homestead	0.14	
1874	Homestead	0.22	37	Homestead	0.22	Homestead	0.22	
1873	D	0.22	38	Homestead	0.22	Homestead	0.22	
1873,1874	Homestead	0.18	39	Homestead	0.18	Homestead	0.18	
1873,1874	Homestead	0.26	40	Homestead	0.26	Homestead	0.26	
1880	Graveyard (G)	3.90	41	Graveyard (G)	3.90	Graveyard (G)	3.90	
1873	Ditch	0.18	42	Ditch	0.18	Cultivable land	0.18	
1873	Ditch	0.10	43	Ditch	0.10	Cultivable land	0.10	
1873	Ditch	0.06	44	Ditch	0.06	Cultivable land	0.06	
1873	Ditch	0.06	45	Ditch	0.06	Cultivable land	0.06	

1872	Ditch	0.11	46	Ditch	0.11	Cultivable land	0.11	
1872	Ditch	0.09	47	Ditch	0.09	Cultivable land	0.09	
1840	Ditch	0.16	48	Ditch	0.16	Cultivable land	0.16	
1840	Ditch	0.10	49	Ditch	0.10	Cultivable land	0.10	
1840	Ditch	0.10	50	Ditch	0.10	Cultivable land	0.10	
1874	Homestead	0.15	51	Homestead	0.15	Homestead	0.15	
1838	Ditch	0.16	52	Ditch	0.16	Cultivable land	0.16	
1836,1837	Ditch	0.72	53	Ditch	0.72	Cultivable land	0.72	
1835	Ditch	0.27	54	Ditch	0.27	Cultivable land	0.27	
1835	Ditch	0.33	55	Ditch	0.33	Cultivable land	0.33	
1835	Ditch	0.08	56	Ditch	0.08	Cultivable land	0.08	
1835	Ditch	0.07	57	Ditch	0.07	Cultivable land	0.07	
1842	Ditch	0.10	58	Ditch	0.10	Cultivable land	0.10	
1842	Ditch	0.09	59	Ditch	0.09	Cultivable land	0.09	
1842	Ditch	0.09	60	Ditch	0.09	Cultivable land	0.09	
1842	Ditch	0.12	61	Ditch	0.12	Cultivable land	0.12	
1841	Ditch	0.15	62	Ditch	0.15	Cultivable land	0.15	
1871,1872	Ditch	0.41	63	Ditch	0.41	Cultivable land	0.41	
1871	Ditch	0.20	64	Ditch	0.20	Cultivable land	0.20	
1871	Ditch	0.07	65	Ditch	0.07	Cultivable land	0.07	
1870	Ditch	0.08	66	Ditch	0.08	Cultivable land	0.08	
1881	Ditch	0.20	67	Ditch	0.20	Cultivable land	0.20	
1881	Ditch	0.09	68	Ditch	0.09	Cultivable land	0.09	
1881	Ditch	0.08	69	Ditch	0.08	Cultivable land	0.08	
1881	Ditch	0.12	70	Homestead	0.12	Homestead	0.12	
1880,1886	Homestead	0.06	71	Homestead	0.06	Homestead	0.06	
1886	Homestead	0.14	72	Homestead	0.14	Homestead	0.14	
1886	Homestead	0.05	73	Homestead	0.05	Homestead	0.05	
1886	Homestead	0.06	74	Homestead	0.06	Homestead	0.06	
1886	Homestead	0.06	75	Homestead	0.06	Homestead	0.06	
1886	Homestead	0.06	76	Homestead	0.06	Homestead	0.06	
1886	Homestead	0.06	77	Homestead	0.06	Homestead	0.06	
1884	Cultivable land	0.17	78	Homestead	0.17	Homestead	0.17	
1886,1786	Cultivable land	1.37	79	Road(G)	1.37	Road(G)	1.37	
1887	Ditch	0.05	80	Homestead	0.05	Homestead	0.05	
1887/3238	Ditch	0.08	81	Homestead	0.08	Homestead	0.08	
1887	Ditch	0.04	82	Homestead	0.04	Homestead	0.04	
1887	Ditch	0.07	83	Homestead	0.07	Homestead	0.07	
1887	Ditch	0.08	84	Homestead	0.08	Homestead	0.08	
1887	Ditch	0.08	85	Homestead	0.08	Homestead	0.08	
1887	Ditch	0.44	86	Homestead	0.44	Homestead	0.44	
1887-1889	Ditch	1.58	87	Road	1.58	Road	1.58	
1884	Ditch	0.06	88	Cultivable land	0.06	Cultivable land	0.06	
1882,1883	Ditch	0.26	89	Cultivable land	0.26	Cultivable land	0.26	
1882	Ditch	0.16	90	Cultivable land	0.16	Cultivable land	0.16	
1882	Ditch	0.16	91	Cultivable land	0.16	Cultivable land	0.16	
1882	Ditch	0.15	92	Cultivable land	0.15	Cultivable land	0.15	
1868,1869,1870	Ditch	0.90	93	Cultivable land	0.90	Cultivable land	0.90	
1883,1867	Ditch	0.11	94	Cultivable land	0.11	Cultivable land	0.11	
1867	Ditch	0.14	95	Cultivable land	0.14	Cultivable land	0.14	
1867	Ditch	0.13	96	Cultivable land	0.13	Cultivable land	0.13	
1841-1843	Ditch	2.07	97	Cultivable land	2.07	Cultivable land	2.07	
691	River(G)	57.14	98	River(G)	57.14	River(G)	57.14	
675	Swamp	0.15	99	Swamp	0.15	Cultivable land	0.15	
675	Swamp	0.33	4400	Swamp	0.33	Cultivable land	0.33	
676	Swamp	0.44	4401	Swamp	0.44	Cultivable land	0.44	
677	Swamp	0.13	2	Swamp	0.13	Cultivable land	0.13	
678	Swamp	0.15	3	Swamp	0.15	Cultivable land	0.15	
680	Hallot(G)	0.19	4	Hallot(G)	0.19	Hallot(G)	0.19	
679	Swamp	0.32	5	Swamp	0.32	Cultivable land	0.32	
683	Swamp	0.11	6	Hallot(G)	0.11	Hallot(G)	0.11	
683	Swamp	0.53	7	Cultivable land	0.53	Cultivable land	0.53	
683	Swamp	0.11	8	Cultivable land	0.11	Cultivable land	0.11	
683	Swamp	0.02	9	Cultivable land	0.02	Cultivable land	0.02	
683	Swamp	0.02	10	Cultivable land	0.02	Cultivable land	0.02	
683	Swamp	0.11	11	Cultivable land	0.11	Cultivable land	0.11	

683	Swamp	0.13	12	Cultivable land	0.13	Cultivable land	0.13	
683	Swamp	0.07	13	Cultivable land	0.07	Cultivable land	0.07	
691	River	0.07	14	Cultivable land	0.07	Cultivable land	0.07	
691	River	0.17	15	Cultivable land	0.17	Cultivable land	0.17	
684	Swamp	0.18	16	Cultivable land	0.18	Cultivable land	0.18	
684	Swamp	0.09	17	Cultivable land	0.09	Cultivable land	0.09	
684	Swamp	0.09	18	Cultivable land	0.09	Cultivable land	0.09	
684	Swamp	0.24	19	Cultivable land	0.24	Cultivable land	0.24	
684	Swamp	0.02	20	Homestead	0.02	Homestead	0.02	
684	Swamp	0.03	21	Homestead	0.03	Homestead	0.03	
684	Swamp	0.03	22	Homestead	0.03	Homestead	0.03	
684	Swamp	0.03	23	Homestead	0.03	Homestead	0.03	
684	Swamp	0.04	24	Homestead	0.04	Homestead	0.04	
684	Swamp	0.03	25	Homestead	0.03	Homestead	0.03	
685	Swamp	0.13	26	Homestead	0.13	Homestead	0.13	
685	Swamp	0.14	27	Homestead	0.14	Homestead	0.14	
685	Swamp	0.06	28	Homestead	0.06	Homestead	0.06	
685	Swamp	0.06	29	Homestead	0.06	Homestead	0.06	
685	Swamp	0.05	30	Homestead	0.05	Homestead	0.05	
685	Swamp	0.21	31	Cultivable land	0.21	Cultivable land	0.21	
685,691	Swamp, River	0.28	32	Cultivable land	0.28	Cultivable land	0.28	
685,691	Swamp, River	0.30	33	Cultivable land	0.30	Cultivable land	0.30	
686	Swamp	0.17	34	Cultivable land	0.17	Cultivable land	0.17	
686	Swamp	0.22	35	Cultivable land	0.22	Cultivable land	0.22	
686	Swamp, River	0.21	36	Cultivable land	0.21	Cultivable land	0.21	
686,691	Swamp, River	0.28	37	Cultivable land	0.28	Cultivable land	0.28	
686,691	Swamp, River	0.35	38	Homestead	0.35	Homestead	0.35	
687	Swamp	0.58	39	Cultivable land	0.58	Cultivable land	0.58	
687	Swamp	0.66	40	Cultivable land	0.66	Cultivable land	0.66	
687	Swamp	0.10	41	Homestead	0.10	Homestead	0.10	
687	Swamp	0.05	42	Homestead	0.05	Homestead	0.05	
687	Swamp	0.07	43	Homestead	0.07	Homestead	0.07	
689	Swamp	0.17	44	Homestead	0.17	Homestead	0.17	
689,691	Swamp, River	0.83	45	Cultivable land	0.83	Cultivable land	0.83	
690,691	Swamp, River	0.39	46	Cultivable land	0.39	Cultivable land	0.39	
690,691	Swamp, River	0.12	47	Homestead	0.12	Homestead	0.12	
690	Swamp	0.18	48	Homestead	0.18	Homestead	0.18	
1845	Swamp	0.16	49	Homestead	0.16	Homestead	0.16	
1845	Swamp	0.17	50	Homestead	0.17	Homestead	0.17	
1845	Swamp	0.16	51	Homestead	0.16	Homestead	0.16	
1845	Swamp	0.30	52	Homestead	0.30	Homestead	0.30	
1845	Swamp	0.09	53	Homestead	0.09	Homestead	0.09	
1845	Swamp	0.08	54	Homestead	0.08	Homestead	0.08	
1845	Swamp	0.53	55	Cultivable land	0.53	Pond	0.53	
1845	Swamp	0.03	56	Homestead	0.03	Homestead	0.03	
1845	Swamp	0.24	57	Cultivable land	0.24	Cultivable land	0.24	
688	Hallot(G)	0.68	58	Hallot(G)	0.68	Hallot(G)	0.68	
927,928	Cultivable land	0.16	4034/44 59	Homestead	0.16	Homestead	0.16	
889,887	Ditch	0.03	4099/44 60	Mosque	0.03	Mosque	0.03	
3543	Fallow	0.72	3502/44 61	Fallow	0.72	Fallow	0.72	
1224	Cultivable land	0.93	3571/44 62	Homestead	0.93	Homestead	0.93	
1224	Cultivable land	0.04	3568/44 63	Homestead	0.04	Homestead	0.04	
	Cultivable land	0.40	3571/46 62		0.40		0.40	

District: Brahmanbaria, Upazila: Asuganj, Union: Char Chartala, Mouza: Char Chartala

Cadastral Survey (CS Operation: 1957-1958)			Bangladesh Survey (BS Operation: 1995)			Survey Report,2014		
Plot no	Land Class	Total land (Acre)	Plot no	Land Class	Total land (Acre)	Land Class	Total land (Acre)	Remark
2758,2777,2782-2788,2796-2802	River	601.26	5501	River	601.26	River	601.26	
2758,2777,2782-2788,2796-2802	Cultivable land	9.78	2	Fertilizer Industry (FI)	9.78	Fertilizer Industry (FI)	9.78	
1363,1405,1511	Cultivable land	137.60	3	FI	137.60	FI	137.60	
2796,2805	Cultivable land	0.23	4	Cultivable land	0.23	Cultivable land	0.23	
2805,2806	Cultivable land	0.86	5	Cultivable land	0.86	Cultivable land	0.86	
2806	Cultivable land	0.48	6	Cultivable land	0.48	Cultivable land	0.48	
2803	Cultivable land	0.32	7	Cultivable land	0.32	Cultivable land	0.32	
2809	Cultivable land	0.37	8	Cultivable land	0.37	Cultivable land	0.37	
2807	Cultivable land	0.88	9	Cultivable land	0.88	Cultivable land	0.88	
2807,2808	Cultivable land	0.72	10	Cultivable land	0.72	Cultivable land	0.72	
2809	Cultivable land	0.22	11	Cultivable land	0.22	Cultivable land	0.22	
2809	Cultivable land	0.06	12	Resident	0.06	Resident	0.06	
2798,2801	Cultivable land	0.08	13	Cultivable land	0.08	Cultivable land	0.08	
2810	Cultivable land	0.08	14	Cultivable land	0.08	Cultivable land	0.08	
2810	Cultivable land	0.10	15	Cultivable land	0.10	Cultivable land	0.10	
2809	Cultivable land	0.15	16	Cultivable land	0.15	Cultivable land	0.15	
2808,2809	Cultivable land	0.18	17	Cultivable land	0.18	Cultivable land	0.18	
2808	Cultivable land	0.39	18	Cultivable land	0.39	Cultivable land	0.39	
2816	Cultivable land	0.61	19	Cultivable land	0.61	Cultivable land	0.61	
2817	Cultivable land	0.17	20	Cultivable land	0.17	Cultivable land	0.17	
2817	Cultivable land	0.46	21	Cultivable land	0.46	Cultivable land	0.46	
2816	Cultivable land	0.46	22	Cultivable land	0.46	Cultivable land	0.46	
2813,3267,3268	Cultivable land	0.46	23	Cultivable land	0.46	Cultivable land	0.46	
2813,3268	Cultivable land	0.86	24	Cultivable land	0.86	Cultivable land	0.86	
2815	Cultivable land	0.35	25	Cultivable land	0.35	Cultivable land	0.35	
2815	Cultivable land	0.35	26	Cultivable land	0.35	Cultivable land	0.35	
2818	Cultivable land	0.27	27	Cultivable land	0.27	Cultivable land	0.27	
2819	Cultivable land	0.28	28	Cultivable land	0.28	Cultivable land	0.28	
2819	Cultivable land	0.27	29	Cultivable land	0.27	Cultivable land	0.27	
2820,2838	Cultivable land	0.65	30	Cultivable land	0.65	Cultivable land	0.65	
2839,2840	Cultivable land	0.39	31	Cultivable land	0.39	Cultivable land	0.39	
2814	Cultivable land	0.30	32	Cultivable land	0.30	Cultivable land	0.30	
2813	Cultivable land	0.41	33	Cultivable land	0.41	Cultivable land	0.41	
2841,2842	Cultivable land	0.8042	34	Cultivable land	0.8042	Cultivable land	0.8042	
2842	Cultivable land	0.42	35	Cultivable land	0.42	Cultivable land	0.42	
2842,2843	Cultivable land	0.50	36	Cultivable land	0.50	Cultivable land	0.50	
2843	Cultivable land	0.53	37	Cultivable land	0.53	Cultivable land	0.53	
2837	Cultivable land	0.12	38	Cultivable land	0.12	Cultivable land	0.12	
2837	Cultivable land	0.12	39	Cultivable land	0.12	Cultivable land	0.12	
2837	Cultivable land	0.21	40	Cultivable land	0.21	Cultivable land	0.21	
2833,2834,2837,3203	Cultivable land	2.94	41	Cultivable land	2.94	Cultivable land	2.94	
2833	Cultivable land	0.15	42	Cultivable land	0.15	Cultivable land	0.15	
2834	Cultivable land	0.14	43	Cultivable land	0.14	Cultivable land	0.14	
2836	Cultivable land	0.11	44	Cultivable land	0.11	Cultivable land	0.11	
2836	Cultivable land	0.32	45	Cultivable land	0.32	Cultivable land	0.32	
2836	Cultivable land	0.12	46	Cultivable land	0.12	Cultivable land	0.12	
2850	Cultivable land	0.12	47	Cultivable land	0.12	Cultivable land	0.12	
2855	Cultivable land	0.65	48	Cultivable land	0.65	Cultivable land	0.65	
2855	Cultivable land	0.65	49	Cultivable land	0.65	Cultivable land	0.65	
2863/3282	Cultivable land	0.30	50	Cultivable land	0.30	Cultivable land	0.30	
2863/3282	Cultivable land	0.30	51	Cultivable land	0.30	Cultivable land	0.30	

2863/3283	Cultivable land	0.30	52	Cultivable land	0.30	Cultivable land	0.30	
2849,2853	Cultivable land	0.60	53	Cultivable land	0.60	Cultivable land	0.60	
2854	Cultivable land	0.19	54	Cultivable land	0.19	Cultivable land	0.19	
2851,2854	Cultivable land	0.18	55	Cultivable land	0.18	Cultivable land	0.18	
2850	Cultivable land	0.20	56	Cultivable land	0.20	Cultivable land	0.20	
2836,2840	Cultivable land	0.30	57	Cultivable land	0.30	Cultivable land	0.30	
2836	Cultivable land	0.12	58	Cultivable land	0.12	Cultivable land	0.12	
2836	Cultivable land	0.27	59	Cultivable land	0.27	Cultivable land	0.27	
2844	Cultivable land	0.15	60	Cultivable land	0.15	Cultivable land	0.15	
2844	Cultivable land	0.27	61	Cultivable land	0.27	Cultivable land	0.27	
2844	Cultivable land	0.40	62	Cultivable land	0.40	Cultivable land	0.40	
3274	Cultivable land	0.60	63	Cultivable land	0.60	Cultivable land	0.60	
2845,2846	Cultivable land	0.29	64	Cultivable land	0.29	Cultivable land	0.29	
2847,2846	Cultivable land	0.23	65	Cultivable land	0.23	Cultivable land	0.23	
2848	Cultivable land	0.84	66	Cultivable land	0.84	Cultivable land	0.84	
2863,3285	Cultivable land	0.29	67	Cultivable land	0.29	Cultivable land	0.29	
2863/3284	Cultivable land	0.46	68	Cultivable land	0.46	Cultivable land	0.46	
2864	Cultivable land	0.83	69	Cultivable land	0.83	Cultivable land	0.83	
2864	Cultivable land	0.24	70	Cultivable land	0.24	Cultivable land	0.24	
2864	Cultivable land	0.18	71	Cultivable land	0.18	Cultivable land	0.18	
2864	Cultivable land	0.50	72	Cultivable land	0.50	Cultivable land	0.50	
2876	Cultivable land	0.71	73	Cultivable land	0.71	Cultivable land	0.71	
2877	Cultivable land	0.20	74	Cultivable land	0.20	Cultivable land	0.20	
2877	Cultivable land	0.36	75	Cultivable land	0.36	Cultivable land	0.36	
2877	Cultivable land	0.17	76	Cultivable land	0.17	Cultivable land	0.17	
2878	Cultivable land	0.38	77	Cultivable land	0.38	Cultivable land	0.38	
2878	Cultivable land	0.43	78	Cultivable land	0.43	Cultivable land	0.43	
2878	Cultivable land	0.76	79	Cultivable land	0.76	Cultivable land	0.76	
2879	Cultivable land	0.44	80	Cultivable land	0.44	Cultivable land	0.44	
2880	Cultivable land	0.48	81	Cultivable land	0.48	Cultivable land	0.48	
2881	Cultivable land	0.48	82	Cultivable land	0.48	Cultivable land	0.48	
2882	Cultivable land	0.43	83	Cultivable land	0.43	Cultivable land	0.43	
2872	Cultivable land	0.17	84	Cultivable land	0.17	Cultivable land	0.17	
2872	Cultivable land	0.29	85	Cultivable land	0.29	Cultivable land	0.29	
2873	Cultivable land	0.16	86	Cultivable land	0.16	Cultivable land	0.16	
2873	Cultivable land	0.15	87	Cultivable land	0.15	Cultivable land	0.15	
2873	Cultivable land	0.14	88	Cultivable land	0.14	Cultivable land	0.14	
2873	Cultivable land	0.65	89	Cultivable land	0.65	Cultivable land	0.65	
2873	Cultivable land	0.47	90	Cultivable land	0.47	Cultivable land	0.47	
2873	Cultivable land	0.18	91	Cultivable land	0.18	Cultivable land	0.18	
2872	Cultivable land	0.30	92	Cultivable land	0.30	Cultivable land	0.30	
2872	Cultivable land	0.29	93	Cultivable land	0.29	Cultivable land	0.29	
2872	Cultivable land	0.20	94	Cultivable land	0.20	Cultivable land	0.20	
2872	Cultivable land	0.71	95	Cultivable land	0.71	Cultivable land	0.71	
2871	Cultivable land	0.53	96	Cultivable land	0.53	Cultivable land	0.53	
2870	Cultivable land	0.18	97	Cultivable land	0.18	Cultivable land	0.18	
2869	Cultivable land	0.32	98	Cultivable land	0.32	Cultivable land	0.32	
2869	Cultivable land	0.36	99	Cultivable land	0.36	Cultivable land	0.36	
2868	Cultivable land	0.57	5600	Cultivable land	0.57	Cultivable land	0.57	
2871	Cultivable land	0.39	5601	Cultivable land	0.39	Cultivable land	0.39	
2873	Cultivable land	0.49	2	Cultivable land	0.49	Cultivable land	0.49	
2873	Cultivable land	0.18	3	Cultivable land	0.18	Cultivable land	0.18	
2866	Cultivable land	0.35	4	Cultivable land	0.35	Cultivable land	0.35	
2867	Cultivable land	0.08	5	Cultivable land	0.08	Cultivable land	0.08	
2867	Cultivable land	0.20	6	Cultivable land	0.20	Cultivable land	0.20	
2867	Cultivable land	0.28	7	Cultivable land	0.28	Cultivable land	0.28	
2867	Cultivable land	0.31	8	Cultivable land	0.31	Cultivable land	0.31	
2866,2874	Cultivable land	0.77	9	Cultivable land	0.77	Cultivable land	0.77	
2866,2875	Cultivable land	0.77	10	Cultivable land	0.77	Cultivable land	0.77	
2875	Cultivable land	0.71	11	Cultivable land	0.71	Cultivable land	0.71	
2864	Cultivable land	2.47	12	Cultivable land	2.47	Cultivable land	2.47	
2865	Cultivable land	0.55	13	Cultivable land	0.55	Cultivable land	0.55	
2862	Cultivable land	0.16	14	Cultivable land	0.16	Cultivable land	0.16	
2861	Cultivable land	0.69	15	Cultivable land	0.69	Cultivable land	0.69	
2860	Cultivable land	0.44	16	Cultivable land	0.44	Cultivable land	0.44	
2859	Cultivable land	0.13	17	Cultivable land	0.13	Cultivable land	0.13	

2859	Cultivable land	0.16	18	Cultivable land	0.16	Cultivable land	0.16	
3277	Cultivable land	0.17	19	Cultivable land	0.17	Cultivable land	0.17	
2858	Cultivable land	0.35	20	Cultivable land	0.35	Cultivable land	0.35	
2858/3276	Cultivable land	0.39	21	Cultivable land	0.39	Cultivable land	0.39	
2857	Cultivable land	0.57	22	Cultivable land	0.57	Cultivable land	0.57	
2857	Cultivable land	0.29	23	Cultivable land	0.29	Cultivable land	0.29	
2856	Cultivable land	0.21	24	Cultivable land	0.21	Cultivable land	0.21	
2856	Cultivable land	0.16	25	Cultivable land	0.16	Cultivable land	0.16	
2856	Cultivable land	0.25	26	Cultivable land	0.25	Cultivable land	0.25	
2856	Cultivable land	0.24	27	Cultivable land	0.24	Cultivable land	0.24	
2856	Cultivable land	0.18	28	Cultivable land	0.18	Cultivable land	0.18	
2856	Cultivable land	0.21	29	Cultivable land	0.21	Cultivable land	0.21	
2836	Cultivable land	0.26	30	Cultivable land	0.26	Cultivable land	0.26	
2836	Cultivable land	0.40	31	Cultivable land	0.40	Cultivable land	0.40	
2835,2834	Cultivable land	0.39	32	Cultivable land	0.39	Cultivable land	0.39	
2835	Cultivable land	0.13	33	Cultivable land	0.13	Cultivable land	0.13	
2831	Cultivable land	0.26	34	Cultivable land	0.26	Cultivable land	0.26	
2832	Cultivable land	0.29	35	Cultivable land	0.29	Cultivable land	0.29	
2830	Cultivable land	0.30	36	Cultivable land	0.30	Cultivable land	0.30	
2826	Cultivable land	0.38	37	Cultivable land	0.38	Cultivable land	0.38	
2826	Cultivable land	0.39	38	Cultivable land	0.39	Cultivable land	0.39	
2829	Cultivable land	0.56	39	Cultivable land	0.56	Cultivable land	0.56	
2827,2828	Cultivable land	0.53	40	Cultivable land	0.53	Cultivable land	0.53	
2821	Cultivable land	0.42	41	Cultivable land	0.42	Cultivable land	0.42	
2821	Cultivable land	0.45	42	Cultivable land	0.45	Cultivable land	0.45	
2824	Cultivable land	0.15	43	Cultivable land	0.15	Cultivable land	0.15	
2825	Cultivable land	0.40	44	Cultivable land	0.40	Cultivable land	0.40	
2823	Cultivable land	0.51	45	Cultivable land	0.51	Cultivable land	0.51	
2824	Cultivable land	0.15	46	Cultivable land	0.15	Cultivable land	0.15	
2823	Cultivable land	0.12	47	Cultivable land	0.12	Cultivable land	0.12	
2822,2823	Cultivable land	0.52	48	Cultivable land	0.52	Cultivable land	0.52	
2822	Cultivable land	0.14	49	Cultivable land	0.14	Cultivable land	0.14	
2550,2551	Cultivable land	0.15	50	Cultivable land	0.15	Cultivable land	0.15	
2852	Cultivable land	0.37	51	Cultivable land	0.37	Cultivable land	0.37	
2553	Cultivable land	0.15	52	Cultivable land	0.15	Cultivable land	0.15	
2806	Cultivable land	0.17	53	Cultivable land	0.17	Cultivable land	0.17	
2553	Cultivable land	0.19	54	Cultivable land	0.19	Cultivable land	0.19	
2546	Cultivable land	0.08	55	Cultivable land	0.08	Cultivable land	0.08	
2826	Cultivable land	0.07	56	Cultivable land	0.07	Cultivable land	0.07	
2826	Cultivable land	0.11	57	Cultivable land	0.11	Cultivable land	0.11	
2550,2551	Cultivable land	0.61	58	Cultivable land	0.61	Cultivable land	0.61	
2530	Hallot	0.44	59	Hallot	0.44	Hallot	0.44	
2491	Cultivable land	0.05	60	Cultivable land	0.05	Cultivable land	0.05	
2491	Cultivable land	0.12	61	Cultivable land	0.12	Cultivable land	0.12	
2475,2476	Cultivable land	0.21	62	Cultivable land	0.21	Cultivable land	0.21	
2485	Cultivable land	0.02	63	Cultivable land	0.02	Cultivable land	0.02	
2485	Cultivable land	0.09	64	Cultivable land	0.09	Cultivable land	0.09	
2476,2475	Cultivable land	0.39	65	Cultivable land	0.39	Cultivable land	0.39	
2484,2478	Cultivable land	0.39	66	Cultivable land	0.39	Cultivable land	0.39	
2482	Cultivable land	0.14	67	Cultivable land	0.14	Cultivable land	0.14	
2400,2481	Cultivable land	0.20	68	Cultivable land	0.20	Cultivable land	0.20	
2480,2481	Cultivable land	0.26	69	Cultivable land	0.26	Cultivable land	0.26	
2478	Cultivable land	0.26	70	Cultivable land	0.26	Cultivable land	0.26	
2476,3262	Cultivable land	0.32	71	Cultivable land	0.32	Cultivable land	0.32	
2475	Cultivable land	0.13	72	Cultivable land	0.13	Cultivable land	0.13	
2477	Cultivable land	0.15	73	Cultivable land	0.15	Cultivable land	0.15	
2475	Cultivable land	0.13	74	Cultivable land	0.13	Cultivable land	0.13	
2476	Cultivable land	0.31	75	Cultivable land	0.31	Cultivable land	0.31	
2476,2575	Cultivable land	0.15	76	Cultivable land	0.15	Cultivable land	0.15	
2477	Cultivable land	0.16	77	Cultivable land	0.16	Cultivable land	0.16	
2476	Cultivable land	0.25	78	Cultivable land	0.25	Cultivable land	0.25	
2474,3250	Cultivable land	0.21	79	Cultivable land	0.21	Cultivable land	0.21	
2473	Cultivable land	0.15	80	Cultivable land	0.15	Cultivable land	0.15	
2473	Cultivable land	0.17	81	Cultivable land	0.17	Cultivable land	0.17	
2467	Cultivable land	0.16	82	Cultivable land	0.16	Cultivable land	0.16	
2474	Cultivable land	0.25	83	Cultivable land	0.25	Cultivable land	0.25	

2466	Cultivable land	0.23	84	Cultivable land	0.23	Cultivable land	0.23	
2467	Cultivable land	0.95	85	Cultivable land	0.95	Cultivable land	0.95	
2465	Cultivable land	0.12	87	Cultivable land	0.12	Cultivable land	0.12	
2465	Cultivable land	0.10	88	Cultivable land	0.10	Cultivable land	0.10	
2463	Cultivable land	0.26	89	Cultivable land	0.26	Cultivable land	0.26	
2460	Cultivable land	0.49	90	Cultivable land	0.49	Cultivable land	0.49	
2459	Cultivable land	0.44	91	Cultivable land	0.44	Cultivable land	0.44	
2458	Cultivable land	0.39	92	Cultivable land	0.39	Cultivable land	0.39	
2457	Cultivable land	0.39	93	Cultivable land	0.39	Cultivable land	0.39	
2456	Cultivable land	0.07	94	Cultivable land	0.07	Cultivable land	0.07	
2455,2456	Cultivable land	0.69	95	Cultivable land	0.69	Cultivable land	0.69	
2454,2871	Cultivable land	0.45	96	Cultivable land	0.45	Cultivable land	0.45	
2553	Cultivable land	0.15	97	Cultivable land	0.15	Cultivable land	0.15	
2452	Cultivable land	0.15	98	Cultivable land	0.15	Cultivable land	0.15	
2452,2453	Cultivable land	0.24	99	Cultivable land	0.24	Cultivable land	0.24	
2371	Cultivable land	0.20	5700	Cultivable land	0.20	Cultivable land	0.20	
2363	Cultivable land	0.09	5701	Cultivable land	0.09	Cultivable land	0.09	
2364	Cultivable land	0.42	2	Cultivable land	0.42	Cultivable land	0.42	
2361,2362	Cultivable land	0.43	3	Cultivable land	0.43	Cultivable land	0.43	
2359,2362	Cultivable land	0.90	4	Cultivable land	0.90	Cultivable land	0.90	
2357,2358	Cultivable land	0.60	5	Cultivable land	0.60	Cultivable land	0.60	
2457	Cultivable land	0.29	6	Cultivable land	0.29	Cultivable land	0.29	
2358	Cultivable land	0.13	7	Cultivable land	0.13	Cultivable land	0.13	
2357	Cultivable land	0.60	8	Cultivable land	0.60	Cultivable land	0.60	
2352	Cultivable land	0.14	9	Cultivable land	0.14	Cultivable land	0.14	
2352	Cultivable land	0.13	10	Cultivable land	0.13	Cultivable land	0.13	
2461	Cultivable land	0.06	11	Cultivable land	0.06	Cultivable land	0.06	
2461	Cultivable land	0.08	12	Cultivable land	0.08	Cultivable land	0.08	
2353	Cultivable land	0.11	13	Cultivable land	0.11	Cultivable land	0.11	
2354	Cultivable land	0.80	14	Cultivable land	0.80	Cultivable land	0.80	
2355	Cultivable land	0.35	15	Cultivable land	0.35	Cultivable land	0.35	
2354,2355	Cultivable land	0.32	16	Cultivable land	0.32	Cultivable land	0.32	
2351,2350	Cultivable land	0.92	17	Cultivable land	0.92	Cultivable land	0.92	
2461	Cultivable land	0.21	18	Cultivable land	0.21	Cultivable land	0.21	
2462	Cultivable land	0.13	19	Cultivable land	0.13	Cultivable land	0.13	
2349	Cultivable land	0.90	20	Cultivable land	0.90	Cultivable land	0.90	
2348	Cultivable land	0.39	21	Cultivable land	0.39	Cultivable land	0.39	
2362	Cultivable land	0.35	22	Cultivable land	0.35	Cultivable land	0.35	
2468	Cultivable land	0.24	23	Cultivable land	0.24	Cultivable land	0.24	
2348	Cultivable land	0.55	24	Cultivable land	0.55	Cultivable land	0.55	
2345	Cultivable land	0.29	25	Cultivable land	0.29	Cultivable land	0.29	
2346	Cultivable land	0.22	26	Cultivable land	0.22	Cultivable land	0.22	
2346	Cultivable land	0.17	27	Cultivable land	0.17	Cultivable land	0.17	
2346	Cultivable land	0.25	28	Cultivable land	0.25	Cultivable land	0.25	
2468,2469	Cultivable land	0.32	29	Cultivable land	0.32	Cultivable land	0.32	
2344	Cultivable land	0.29	30	Cultivable land	0.29	Cultivable land	0.29	
2343	Cultivable land	0.24	31	Cultivable land	0.24	Cultivable land	0.24	
2340	Cultivable land	0.41	32	Cultivable land	0.41	Cultivable land	0.41	
2342	Cultivable land	0.23	33	Cultivable land	0.23	Cultivable land	0.23	
2470,2471	Cultivable land	0.45	34	Cultivable land	0.45	Cultivable land	0.45	
2338	Cultivable land	0.18	35	Cultivable land	0.18	Cultivable land	0.18	
2338,2337	Cultivable land	0.18	36	Cultivable land	0.18	Cultivable land	0.18	
2337	Cultivable land	0.17	37	Cultivable land	0.17	Cultivable land	0.17	
2336	Cultivable land	0.28	38	Cultivable land	0.28	Cultivable land	0.28	
2335	Cultivable land	0.14	39	Cultivable land	0.14	Cultivable land	0.14	
2339	Cultivable land	0.88	40	Cultivable land	0.88	Cultivable land	0.88	
2335	Cultivable land	0.22	41	Cultivable land	0.22	Cultivable land	0.22	
2472	Cultivable land	0.35	42	Cultivable land	0.35	Cultivable land	0.35	
2477	Cultivable land	0.15	43	Cultivable land	0.15	Cultivable land	0.15	
2335,2332, 2334	Cultivable land	2.16	44	Cultivable land	2.16	Cultivable land	2.16	
2332,2333	Cultivable land	0.38	45	Cultivable land	0.38	Cultivable land	0.38	
2330,2331	Cultivable land	0.68	46	Cultivable land	0.68	Cultivable land	0.68	
2479	Cultivable land	0.58	47	Cultivable land	0.58	Cultivable land	0.58	
2325	Cultivable land	0.11	48	Cultivable land	0.11	Cultivable land	0.11	
2326	Cultivable land	0.10	49	Cultivable land	0.10	Cultivable land	0.10	

2327	Cultivable land	0.06	50	Cultivable land	0.06	Cultivable land	0.06	
2328	Cultivable land	0.03	51	Cultivable land	0.03	Cultivable land	0.03	
2329	Cultivable land	0.03	52	Cultivable land	0.03	Cultivable land	0.03	
2634,2686, 2732,2270	Cultivable land	121.80	53	Fertilizer Industry (FI)	121.80	Fertilizer Industry (FI)	121.80	
2214,2634, 2189	Swamp	89.40	54	Fertilizer Industry (FI)	89.40	Fertilizer Industry (FI)	89.40	
1589,1597, 2680,2686	Cultivable land	30.52	55	Orchard(FI)	30.52	Orchard(FI)	30.52	
2656,1597/1591, 1589/2634	Swamp	115.41	56	Colony(FI)	115.41	Colony(FI)	115.41	
1853,1855, 2663,2686	Cultivable land	12.52	57	Colony(FI)	12.52	Colony(FI)	12.52	
1854,1900	Cultivable land	11.18	58	Colony(FI)	11.18	Colony(FI)	11.18	
1849,1848	Cannel	0.28	59	Cannel	0.28	Cannel	0.28	
1845,1847	Cultivable land	0.43	60	Cultivable land	0.43	Cultivable land	0.43	
1847	Cultivable land	0.15	61	Cultivable land	0.15	Cultivable land	0.15	
1847	Cultivable land	0.06	62	Cultivable land	0.06	Cultivable land	0.06	
1847	Cultivable land	0.20	63	Cultivable land	0.20	Cultivable land	0.20	
1847	Cultivable land	0.11	64	Cultivable land	0.11	Cultivable land	0.11	
1847	Cultivable land	0.10	65	Cultivable land	0.10	Cultivable land	0.10	
1847	Cultivable land	0.10	66	Cultivable land	0.10	Cultivable land	0.10	
1847	Cultivable land	0.08	67	Cultivable land	0.08	Cultivable land	0.08	
1902,1903	Cultivable land	0.13	68	Cultivable land	0.13	Cultivable land	0.13	
1902	Cultivable land	0.08	69	Cultivable land	0.08	Cultivable land	0.08	
1903	Cultivable land	0.03	70	Cultivable land	0.03	Cultivable land	0.03	
1902,1903	Cultivable land	0.07	71	Cultivable land	0.07	Cultivable land	0.07	
1902,1903	Cultivable land	0.04	72	Cultivable land	0.04	Cultivable land	0.04	
1905,1902,1903	Cultivable land	0.24	73	Cultivable land	0.24	Cultivable land	0.24	
1902,1903	Cultivable land	0.09	74	Cultivable land	0.09	Cultivable land	0.09	
1906	Cultivable land	0.14	75	Cultivable land	0.14	Cultivable land	0.14	
1905,1902,1903	Cultivable land	0.24	76	Cultivable land	0.24	Cultivable land	0.24	
1905	Cultivable land	0.10	77	Cultivable land	0.10	Cultivable land	0.10	
1907	Cultivable land	0.11	78	Cultivable land	0.11	Cultivable land	0.11	
1908	Cultivable land	0.12	79	Cultivable land	0.12	Cultivable land	0.12	
1905	Cultivable land	0.09	80	Cultivable land	0.09	Cultivable land	0.09	
1905,1908	Cultivable land	0.05	81	Cannel	0.05	Cannel	0.05	
1910	Cultivable land	0.11	82	Cultivable land	0.11	Cultivable land	0.11	
1909	Cultivable land	0.08	83	Cultivable land	0.08	Cultivable land	0.08	
1909	Cultivable land	0.03	84	Cultivable land	0.03	Cultivable land	0.03	
1910	Cultivable land	0.08	85	Cultivable land	0.08	Cultivable land	0.08	
1906	Cultivable land	0.07	86	Cultivable land	0.07	Cultivable land	0.07	
1910	Cultivable land	0.17	87	Cultivable land	0.17	Cultivable land	0.17	
1909	Cultivable land	0.09	88	Cultivable land	0.09	Cultivable land	0.09	
1909	Cultivable land	0.20	89	Cultivable land	0.20	Cultivable land	0.20	
1910,1911	Cultivable land	0.17	90	Cultivable land	0.17	Cultivable land	0.17	
1911	Cultivable land	0.09	91	Cultivable land	0.09	Cultivable land	0.09	
1911	Cultivable land	0.09	92	Cultivable land	0.09	Cultivable land	0.09	
1911,1913	Cultivable land	0.12	93	Cultivable land	0.12	Cultivable land	0.12	
1904,1912	Hallot	0.35	94	Hallot	0.35	Hallot	0.35	
1913	Cultivable land	0.29	95	Cultivable land	0.29	Cultivable land	0.29	
1913	Cultivable land	0.03	96	Cultivable land	0.03	Cultivable land	0.03	
1901,1914	Cannel	1.20	97	Cannel	1.20	Cannel	1.20	
2212	Cultivable land	0.04	98	Cultivable land	0.04	Cultivable land	0.04	
2211	Cultivable land	0.08	99	Cultivable land	0.08	Cultivable land	0.08	
2206	Cultivable land	0.18	5800	Cultivable land	0.18	Cultivable land	0.18	
2203	Cultivable land	0.08	5801	Cultivable land	0.08	Cultivable land	0.08	
2202	Cultivable land	0.15	2	Cultivable land	0.15	Cultivable land	0.15	
2201	Cultivable land	0.07	3	Cultivable land	0.07	Cultivable land	0.07	
2000	Cultivable land	0.10	4	Cultivable land	0.10	Cultivable land	0.10	
2201	Cultivable land	0.18	5	Cultivable land	0.18	Cultivable land	0.18	
2191,2193	Cultivable land	0.04	6	Cultivable land	0.04	Cultivable land	0.04	
2191	Cultivable land	0.11	7	Cultivable land	0.11	Cultivable land	0.11	
2190	Cultivable land	0.29	8	Cultivable land	0.29	Cultivable land	0.29	
2188	Cultivable land	0.48	9	Resident Cultivable land	0.48	Resident	0.48	
2188	Cultivable land	0.29	10	Resident	0.29	Resident	0.29	

				Cultivable land		Cultivable land		
2187	Cannel	1.11	11	Cannel	1.11	Cannel	1.11	
1915,1916	Cultivable land	0.68	12	Cultivable land	0.68	Cultivable land	0.68	
1915	Cultivable land	0.41	13	Cultivable land	0.41	Cultivable land	0.41	
1915	Cultivable land	0.30	14	Cultivable land	0.30	Cultivable land	0.30	
1915,1916	Cultivable land	0.30	15	Cultivable land	0.30	Cultivable land	0.30	
2185	Cultivable land	0.07	16	Cultivable land	0.07	Cultivable land	0.07	
1919	Cultivable land	0.08	17	Cultivable land	0.08	Cultivable land	0.08	
1919-1921	Cultivable land	0.07	18	Cultivable land	0.07	Cultivable land	0.07	
2185	Cultivable land	0.12	19	Cultivable land	0.12	Cultivable land	0.12	
1921,3350	Cultivable land	0.07	20	Cultivable land	0.07	Cultivable land	0.07	
1919-1921	Cultivable land	0.30	21	Cultivable land	0.30	Cultivable land	0.30	
1918,1923	Cultivable land	0.08	22	Cultivable land	0.08	Cultivable land	0.08	
1918,1923	Cultivable land	0.11	23	Cultivable land	0.11	Cultivable land	0.11	
1916	Cultivable land	0.10	24	Cultivable land	0.10	Cultivable land	0.10	
1917,1918	Cultivable land	0.10	25	Cultivable land	0.10	Cultivable land	0.10	
1917,1923	Cultivable land	0.20	26	Cultivable land	0.20	Cultivable land	0.20	
1917	Cultivable land	0.12	27	Cultivable land	0.12	Cultivable land	0.12	
1916	Cultivable land	0.13	28	Cultivable land	0.13	Cultivable land	0.13	
1916	Cultivable land	0.10	29	Cultivable land	0.10	Cultivable land	0.10	
1925	Cultivable land	0.20	30	Cultivable land	0.20	Cultivable land	0.20	
1926	Cultivable land	0.17	31	Cultivable land	0.17	Cultivable land	0.17	
1924	Cultivable land	0.11	32	Cultivable land	0.11	Cultivable land	0.11	
1924	Cultivable land	0.10	33	Cultivable land	0.10	Cultivable land	0.10	
1926	Cultivable land	0.09	34	Cultivable land	0.09	Cultivable land	0.09	
1927	Cultivable land	0.12	35	Cultivable land	0.12	Cultivable land	0.12	
1927	Cultivable land	0.10	36	Cultivable land	0.10	Cultivable land	0.10	
1928	Cultivable land	0.13	37	Cultivable land	0.13	Cultivable land	0.13	
1922	Cultivable land	0.10	38	Cultivable land	0.10	Cultivable land	0.10	
1966	Cultivable land	0.05	39	Cultivable land	0.05	Cultivable land	0.05	
1966	Cultivable land	0.06	40	Cultivable land	0.06	Cultivable land	0.06	
1922	Cultivable land	0.09	41	Cultivable land	0.09	Cultivable land	0.09	
1923	Cultivable land	0.09	42	Cultivable land	0.09	Cultivable land	0.09	
1923	Cultivable land	0.11	43	Cultivable land	0.11	Cultivable land	0.11	
1922	Cultivable land	0.11	44	Cultivable land	0.11	Cultivable land	0.11	
1922	Cultivable land	0.08	45	Cultivable land	0.08	Cultivable land	0.08	
1922	Cultivable land	0.09	46	Cultivable land	0.09	Cultivable land	0.09	
1922	Cultivable land	0.11	47	Cultivable land	0.11	Cultivable land	0.11	
1922	Cultivable land	0.10	48	Cultivable land	0.10	Cultivable land	0.10	
1922	Cultivable land	0.08	49	Cultivable land	0.08	Cultivable land	0.08	
1922	Cultivable land	0.08	50	Cultivable land	0.08	Cultivable land	0.08	
2184	Cultivable land	0.18	51	Cultivable land	0.18	Cultivable land	0.18	
2180	Cultivable land	0.25	52	Cultivable land	0.25	Cultivable land	0.25	
2179	Cultivable land	0.08	53	Cultivable land	0.08	Cultivable land	0.08	
2179	Cultivable land	0.10	54	Cultivable land	0.10	Cultivable land	0.10	
2186	Cultivable land	0.30	55	Cultivable land	0.30	Cultivable land	0.30	
2186	Cultivable land	0.16	56	Cultivable land	0.16	Cultivable land	0.16	
2186	Cultivable land	0.16	57	Cultivable land	0.16	Cultivable land	0.16	
2177,2178	Cultivable land	0.29	58	Cultivable land	0.29	Cultivable land	0.29	
2178,3374	Cultivable land	0.10	59	Cultivable land	0.10	Cultivable land	0.10	
2178	Cultivable land	0.05	60	Cultivable land	0.05	Cultivable land	0.05	
2178	Cultivable land	0.38	61	Cultivable land	0.38	Cultivable land	0.38	
2178	Cultivable land	0.03	62	Cultivable land	0.03	Cultivable land	0.03	
2178	Cultivable land	0.06	63	Cultivable land	0.06	Cultivable land	0.06	
2175	Cultivable land	0.48	64	Cultivable land	0.48	Cultivable land	0.48	
2173,2174	Ditch	2.38	65	Ditch	2.38	Ditch	2.38	
2173,2174	Cultivable land	0.20	66	Cultivable land	0.20	Cultivable land	0.20	
2171,2172	Cultivable land	0.20	67	Cultivable land	0.20	Cultivable land	0.20	
2181	Cultivable land	0.14	68	Cultivable land	0.14	Cultivable land	0.14	
2189	Cultivable land	0.13	69	Resident	0.13	Resident	0.13	
2181	Cultivable land	0.15	70	Cultivable land	0.15	Cultivable land	0.15	
2183	Cultivable land	0.17	71	Cultivable land	0.17	Cultivable land	0.17	
2182	Cultivable land	0.11	72	Cultivable land	0.11	Cultivable land	0.11	
2171	Cultivable land	0.27	73	Cultivable land	0.27	Cultivable land	0.27	
2163	Cultivable land	0.22	74	Cultivable land	0.22	Cultivable land	0.22	
2164	Cultivable land	0.12	75	Cultivable land	0.12	Cultivable land	0.12	

2164	Cultivable land	0.26	76	Cultivable land	0.26	Cultivable land	0.26	
1934	Cultivable land	0.09	77	Cultivable land	0.09	Cultivable land	0.09	
1394	Cultivable land	0.10	78	Cultivable land	0.10	Cultivable land	0.10	
1932,1933	Cultivable land	0.19	79	Cultivable land	0.19	Cultivable land	0.19	
1932,1933	Cultivable land	0.19	80	Cultivable land	0.19	Cultivable land	0.19	
1931	Cultivable land	0.21	81	Cannel	0.21	Cannel	0.21	
1928	Cultivable land	0.07	82	Cultivable land	0.07	Cultivable land	0.07	
1929	Cultivable land	0.11	83	Cultivable land	0.11	Cultivable land	0.11	
1929	Cultivable land	0.10	84	Cultivable land	0.10	Cultivable land	0.10	
1930	Cultivable land	0.26	85	Cultivable land	0.26	Cultivable land	0.26	
1940	Cultivable land	0.15	86	Cultivable land	0.15	Cultivable land	0.15	
1939	Cultivable land	0.09	87	Cultivable land	0.09	Cultivable land	0.09	
1938	Ditch	0.21	88	Cultivable land	0.21	Cultivable land	0.21	
1935	Cultivable land	0.10	89	Cultivable land	0.10	Cultivable land	0.10	
1935	Cultivable land	0.08	90	Cultivable land	0.08	Cultivable land	0.08	
1936	Cultivable land	0.22	91	Cultivable land	0.22	Cultivable land	0.22	
1937	Cultivable land	0.17	92	Cultivable land	0.17	Cultivable land	0.17	
1938	Ditch	0.31	93	Cultivable land	0.31	Cultivable land	0.31	
1939	Cultivable land	0.07	94	Cultivable land	0.07	Cultivable land	0.07	
1939	Cultivable land	0.07	95	Cultivable land	0.07	Cultivable land	0.07	
1939	Cultivable land	0.10	96	Cultivable land	0.10	Cultivable land	0.10	
1950-1952	Cultivable land	0.43	97	Cultivable land	0.43	Cultivable land	0.43	
1950-1952	Cultivable land	0.30	98	Cultivable land	0.30	Cultivable land	0.30	
1945	Cultivable land	0.07	99	Cultivable land	0.07	Cultivable land	0.07	
1943	Cultivable land	0.09	5900	Cultivable land	0.09	Cultivable land	0.09	
1944	Cultivable land	0.14	5901	Cultivable land	0.14	Cultivable land	0.14	
1938	Ditch	0.20	2	Cultivable land	0.20	Cultivable land	0.20	
1938	Ditch	0.10	3	Cultivable land	0.10	Cultivable land	0.10	
1938	Ditch	0.19	4	Cultivable land	0.19	Cultivable land	0.19	
1937	Cultivable land	0.05	5	Cultivable land	0.05	Cultivable land	0.05	
2160	Cultivable land	0.27	6	Cultivable land	0.27	Cultivable land	0.27	
2161	Cultivable land	0.06	7	Cultivable land	0.06	Cultivable land	0.06	
2166	Hallot	0.04	8	Cultivable land	0.04	Cultivable land	0.04	
2170	Cultivable land	0.10	9	Cultivable land	0.10	Cultivable land	0.10	
2171	Cultivable land	0.03	10	Cultivable land	0.03	Cultivable land	0.03	
2171	Cultivable land	0.02	11	Cultivable land	0.02	Cultivable land	0.02	
2169	Cultivable land	0.15	12	Cultivable land	0.15	Cultivable land	0.15	
2169	Cultivable land	0.11	13	Cultivable land	0.11	Cultivable land	0.11	
2170	Cultivable land	0.09	14	Cultivable land	0.09	Cultivable land	0.09	
2166	Hallot	0.06	15	Cultivable land	0.06	Cultivable land	0.06	
2161	Cultivable land	0.18	16	Cultivable land	0.18	Cultivable land	0.18	
2159	Cultivable land	0.09	17	Cultivable land	0.09	Cultivable land	0.09	
2167	Cultivable land	0.03	18	Cultivable land	0.03	Cultivable land	0.03	
2169	Cultivable land	0.10	19	Cultivable land	0.10	Cultivable land	0.10	
2169	Cultivable land	0.08	20	Cultivable land	0.08	Cultivable land	0.08	
2169	Cultivable land	0.17	21	Cultivable land	0.17	Cultivable land	0.17	
2168	Cultivable land	0.03	22	Cultivable land	0.03	Cultivable land	0.03	
2157,2167	Cultivable land	0.09	23	Cultivable land	0.09	Cultivable land	0.09	
2159	Cultivable land	0.31	24	Cultivable land	0.31	Cultivable land	0.31	
2160	Cultivable land	0.14	25	Cultivable land	0.14	Cultivable land	0.14	
1959	Cultivable land	0.15	26	Cultivable land	0.15	Cultivable land	0.15	
1957,1958	Cultivable land	0.31	27	Cultivable land	0.31	Cultivable land	0.31	
1957,1958	Cultivable land	0.17	28	Cultivable land	0.17	Cultivable land	0.17	
1955	Cultivable land	0.18	29	Cultivable land	0.18	Cultivable land	0.18	
1956	Cultivable land	0.10	30	Cultivable land	0.10	Cultivable land	0.10	
1956	Cultivable land	0.11	31	Cultivable land	0.11	Cultivable land	0.11	
1947	Cultivable land	0.23	32	Cultivable land	0.23	Cultivable land	0.23	
1947	Cultivable land	0.20	33	Cultivable land	0.20	Cultivable land	0.20	
1948	Cultivable land	0.46	34	Cultivable land	0.46	Cultivable land	0.46	
1952,1953	Cultivable land	0.09	35	Cultivable land	0.09	Cultivable land	0.09	
1949	Cultivable land	0.08	36	Cultivable land	0.08	Cultivable land	0.08	
1949	Cultivable land	0.14	37	Cultivable land	0.14	Cultivable land	0.14	
1949	Cultivable land	0.08	38	Cultivable land	0.08	Cultivable land	0.08	
1949	Cultivable land	0.25	39	Cultivable land	0.25	Cultivable land	0.25	
1954	Cultivable land	0.08	40	Cultivable land	0.08	Cultivable land	0.08	
1953	Cultivable land	0.04	41	Cultivable land	0.04	Cultivable land	0.04	

1953	Cultivable land	0.04	42	Cultivable land	0.04	Cultivable land	0.04
1955	Cultivable land	0.08	43	Cultivable land	0.08	Cultivable land	0.08
1957,1958	Cultivable land	0.15	44	Cultivable land	0.15	Cultivable land	0.15
1952,1953	Cultivable land	0.08	45	Cultivable land	0.08	Cultivable land	0.08
1952	Cultivable land	0.08	46	Cultivable land	0.08	Cultivable land	0.08
1952	Cultivable land	0.08	47	Cultivable land	0.08	Cultivable land	0.08
1951	Cultivable land	0.14	48	Cultivable land	0.14	Cultivable land	0.14
1950	Cultivable land	0.04	49	Cultivable land	0.04	Cultivable land	0.04
1950	Cultivable land	0.05	50	Cultivable land	0.05	Cultivable land	0.05
1949	Cultivable land	0.08	51	Cultivable land	0.08	Cultivable land	0.08
1949	Cultivable land	0.08	52	Cultivable land	0.08	Cultivable land	0.08
1949	Cultivable land	0.06	53	Cultivable land	0.06	Cultivable land	0.06
1967	Cultivable land	0.10	54	Cultivable land	0.10	Cultivable land	0.10
1968	Cultivable land	0.07	55	Cultivable land	0.07	Cultivable land	0.07
1968	Cultivable land	0.03	56	Cultivable land	0.03	Cultivable land	0.03
1967,1968	Cultivable land	0.19	57	Cultivable land	0.19	Cultivable land	0.19
1966/3350	Cultivable land	0.11	58	Cultivable land	0.11	Cultivable land	0.11
1966	Cultivable land	0.11	59	Cultivable land	0.11	Cultivable land	0.11
1966	Cultivable land	0.11	60	Cultivable land	0.11	Cultivable land	0.11
1966	Cultivable land	0.06	61	Cultivable land	0.06	Cultivable land	0.06
1964,1965	Cultivable land	0.07	62	Cultivable land	0.07	Cultivable land	0.07
1964	Cultivable land	0.04	63	Cultivable land	0.04	Cultivable land	0.04
1962	Cultivable land	0.21	64	Cultivable land	0.21	Cultivable land	0.21
1962	Cultivable land	0.21	65	Cultivable land	0.21	Cultivable land	0.21
1961	Cultivable land	0.13	66	Cultivable land	0.13	Cultivable land	0.13
1960	Cultivable land	0.08	67	Cultivable land	0.08	Cultivable land	0.08
1961	Cultivable land	0.05	68	Cultivable land	0.05	Cultivable land	0.05
1961	Cultivable land	0.14	69	Cultivable land	0.14	Cultivable land	0.14
2158	Cultivable land	0.23	70	Cultivable land	0.23	Cultivable land	0.23
2156	Cultivable land	0.07	71	Cultivable land	0.07	Cultivable land	0.07
2157	Cultivable land	0.11	72	Cultivable land	0.11	Cultivable land	0.11
2157	Cultivable land	0.06	73	Cultivable land	0.06	Cultivable land	0.06
2157	Cultivable land	0.06	74	Cultivable land	0.06	Cultivable land	0.06
2168,2169	Cultivable land	0.09	75	Cultivable land	0.09	Cultivable land	0.09
2168	Cultivable land	0.11	76	Cultivable land	0.11	Cultivable land	0.11
2169	Cultivable land	0.09	77	Cultivable land	0.09	Cultivable land	0.09
2154	Cultivable land	0.05	78	Cultivable land	0.05	Cultivable land	0.05
2154	Cultivable land	0.04	79	Cultivable land	0.04	Cultivable land	0.04
2155	Cultivable land	0.08	80	Cultivable land	0.08	Cultivable land	0.08
2155	Cultivable land	0.16	81	Cultivable land	0.16	Cultivable land	0.16
2154	Cultivable land	0.08	82	Cultivable land	0.08	Cultivable land	0.08
2278	River	22.03	83	River	22.03	River	22.03
2155	Cultivable land	0.10	84	Cultivable land	0.10	Cultivable land	0.10
2153	Cultivable land	0.08	85	Cultivable land	0.08	Cultivable land	0.08
2154	Cultivable land	0.15	86	Cultivable land	0.15	Cultivable land	0.15
1254	Cultivable land	0.23	87	Cultivable land	0.23	Cultivable land	0.23
1252	Cultivable land	0.04	88	Cultivable land	0.04	Cultivable land	0.04
2152	Cultivable land	0.08	89	Cultivable land	0.08	Cultivable land	0.08
2152	Cultivable land	0.04	90	Cultivable land	0.04	Cultivable land	0.04
2152	Cultivable land	0.04	91	Cultivable land	0.04	Cultivable land	0.04
2156	Cultivable land	0.16	92	Cultivable land	0.16	Cultivable land	0.16
2158	Cultivable land	0.17	93	Cultivable land	0.17	Cultivable land	0.17
2147	Cultivable land	0.07	94	Cultivable land	0.07	Cultivable land	0.07
2147	Cultivable land	0.07	95	Cultivable land	0.07	Cultivable land	0.07
2147	Cultivable land	0.12	96	Cultivable land	0.12	Cultivable land	0.12
2146	Cultivable land	0.17	97	Cultivable land	0.17	Cultivable land	0.17
1963	Cultivable land	0.07	98	Cultivable land	0.07	Cultivable land	0.07
1963	Cultivable land	0.07	99	Cultivable land	0.07	Cultivable land	0.07
1965	Cultivable land	0.16	6000	Cultivable land	0.16	Cultivable land	0.16
1966	Cultivable land	0.11	6001	Cultivable land	0.11	Cultivable land	0.11
1993	Cultivable land	0.08	2	Cultivable land	0.08	Cultivable land	0.08
1995	Cultivable land	0.09	3	Cultivable land	0.09	Cultivable land	0.09
1965	Cultivable land	0.07	4	Cultivable land	0.07	Cultivable land	0.07
1965	Cultivable land	0.08	5	Cultivable land	0.08	Cultivable land	0.08
2145	Cultivable land	0.09	6	Cultivable land	0.09	Cultivable land	0.09
2145	Cultivable land	0.11	7	Cultivable land	0.11	Cultivable land	0.11

2145	Cultivable land	0.09	8	Cultivable land	0.09	Cultivable land	0.09
2147	Cultivable land	0.16	9	Cultivable land	0.16	Cultivable land	0.16
2151,2152	Cultivable land	0.29	10	Cultivable land	0.29	Cultivable land	0.29
2449	Cultivable land	0.19	11	Cultivable land	0.19	Cultivable land	0.19
2150,2149	Cultivable land	0.10	12	Cultivable land	0.10	Cultivable land	0.10
2150,2147	Cultivable land	0.14	13	Cultivable land	0.14	Cultivable land	0.14
2150,2147	Cultivable land	0.14	14	Cultivable land	0.14	Cultivable land	0.14
2147	Cultivable land	0.07	15	Cultivable land	0.07	Cultivable land	0.07
2147	Cultivable land	0.07	16	Cultivable land	0.07	Cultivable land	0.07
2144,2145	Cultivable land	0.10	17	Cultivable land	0.10	Cultivable land	0.10
1965	Cultivable land	0.08	18	Cultivable land	0.08	Cultivable land	0.08
1965	Cultivable land	0.11	19	Cultivable land	0.11	Cultivable land	0.11
2142	Ditch	0.61	20	Ditch	0.61	Pond	0.61
2139	Cultivable land	0.13	21	Cultivable land	0.13	Cultivable land	0.13
2140	Cultivable land	0.23	22	Cultivable land	0.23	Cultivable land	0.23
2141,2143	Cultivable land	0.36	23	Cultivable land	0.36	Cultivable land	0.36
2157	Cultivable land	0.20	24	Cultivable land	0.20	Cultivable land	0.20
1947	Cultivable land	0.19	25	Cultivable land	0.19	Cultivable land	0.19
2138	Cultivable land	0.08	26	Cultivable land	0.08	Cultivable land	0.08
2148	Cultivable land	0.27	27	Cultivable land	0.27	Cultivable land	0.27
2148,2149	Cultivable land	0.13	28	Cultivable land	0.13	Cultivable land	0.13
2149	Cultivable land	0.22	29	Cultivable land	0.22	Cultivable land	0.22
2131-2133	Cultivable land	0.76	30	Ditch	0.76	Ditch	0.76
2126	Cultivable land	0.10	31	Cultivable land	0.10	Cultivable land	0.10
2130	Cultivable land	0.11	32	Cultivable land	0.11	Cultivable land	0.11
2128,2129	Cultivable land	0.11	33	Cultivable land	0.11	Cultivable land	0.11
2128	Cultivable land	0.09	34	Cultivable land	0.09	Cultivable land	0.09
2127,2128	Cultivable land	0.04	35	Cultivable land	0.04	Cultivable land	0.04
2123-2125	Cultivable land	0.71	36	Cultivable land	0.71	Cultivable land	0.71
2137	Cultivable land	0.06	37	Cultivable land	0.06	Cultivable land	0.06
2137	Cultivable land	0.09	38	Cultivable land	0.09	Cultivable land	0.09
2136	Cultivable land	0.11	39	Cultivable land	0.11	Cultivable land	0.11
2138	Cultivable land	0.20	40	Cultivable land	0.20	Cultivable land	0.20
2122	Cultivable land	0.45	41	Cultivable land	0.45	Cultivable land	0.45
2122,2123	Cultivable land	0.21	42	Cultivable land	0.21	Cultivable land	0.21
2119	Cultivable land	0.13	43	Cultivable land	0.13	Cultivable land	0.13
2123	Cultivable land	0.10	44	Cultivable land	0.10	Cultivable land	0.10
2120	Cultivable land	0.10	45	Cultivable land	0.10	Cultivable land	0.10
2120	Cultivable land	0.10	46	Cultivable land	0.10	Cultivable land	0.10
2139	Cultivable land	0.14	47	Cultivable land	0.14	Cultivable land	0.14
2120	Cultivable land	0.06	48	Cultivable land	0.06	Cultivable land	0.06
2113	Cultivable land	0.28	49	Cultivable land	0.28	Cultivable land	0.28
2114	Cultivable land	0.16	50	Cultivable land	0.16	Cultivable land	0.16
2114	Cultivable land	0.12	51	Cultivable land	0.12	Cultivable land	0.12
2117	Cultivable land	0.16	52	Cultivable land	0.16	Cultivable land	0.16
2118	Cultivable land	0.09	53	Cultivable land	0.09	Cultivable land	0.09
2119,2122	Cultivable land	0.22	54	Cultivable land	0.22	Cultivable land	0.22
2122	Cultivable land	0.04	55	Cultivable land	0.04	Cultivable land	0.04
2107	Hallot	0.45	56	Hallot	0.45	Hallot	0.45
2116	Cultivable land	0.14	57	Homestead	0.14	Homestead	0.14
2116	Cultivable land	0.04	58	Homestead	0.04	Homestead	0.04
2116	Cultivable land	0.03	59	Homestead	0.03	Homestead	0.03
2109	Homestead	0.52	60	Homestead	0.52	Homestead	0.52
2110	Homestead	0.35	61	Homestead	0.35	Homestead	0.35
2115	Homestead	0.10	62	Homestead	0.10	Homestead	0.10
2115	Homestead	0.10	63	Homestead	0.10	Homestead	0.10
2112	Homestead	0.08	64	Homestead	0.08	Homestead	0.08
2111	Homestead	0.19	65	Homestead	0.19	Homestead	0.19
2111	Homestead	0.23	66	Homestead	0.23	Homestead	0.23
2112	Homestead	0.10	67	Homestead	0.10	Homestead	0.10
1979	Homestead	0.09	68	Homestead	0.09	Homestead	0.09
1979	Homestead	0.14	69	Homestead	0.14	Homestead	0.14
1978,1979	Homestead	0.14	70	Homestead	0.14	Homestead	0.14
1979,1978	Cultivable land	0.06	71	Cultivable land	0.06	Cultivable land	0.06
1977	Cultivable land	0.08	72	Cultivable land	0.08	Cultivable land	0.08
1977	Cultivable land	0.14	73	Cultivable land	0.14	Cultivable land	0.14

1977	Cultivable land	0.21	74	Cultivable land	0.21	Cultivable land	0.21	
1975	Cultivable land	0.17	75	Cultivable land	0.17	Cultivable land	0.17	
1975	Cultivable land	0.20	76	Cultivable land	0.20	Cultivable land	0.20	
1983	Cultivable land	0.20	77	Cultivable land	0.20	Cultivable land	0.20	
1971,1972	Cultivable land	0.12	78	Cultivable land	0.12	Cultivable land	0.12	
1971,1972	Cultivable land	0.17	79	Cultivable land	0.17	Cultivable land	0.17	
1970	Cultivable land	0.10	80	Cultivable land	0.10	Cultivable land	0.10	
1970	Cultivable land	0.11	81	Cultivable land	0.11	Cultivable land	0.11	
1969	Cultivable land	0.16	82	Cultivable land	0.16	Cultivable land	0.16	
1959	Cultivable land	0.16	83	Cultivable land	0.16	Cultivable land	0.16	
1969	Cultivable land	0.14	84	Cultivable land	0.14	Cultivable land	0.14	
1969	Cultivable land	0.15	85	Cultivable land	0.15	Cultivable land	0.15	
1985	Cultivable land	0.15	86	Cultivable land	0.15	Cultivable land	0.15	
1986	Cultivable land	0.09	87	Cultivable land	0.09	Cultivable land	0.09	
1986	Cultivable land	0.10	88	Cultivable land	0.10	Cultivable land	0.10	
1992	Cultivable land	0.10	89	Cultivable land	0.10	Cultivable land	0.10	
1987	Cultivable land	0.13	90	Cultivable land	0.13	Cultivable land	0.13	
1984	Ditch	0.83	91	Pond	0.83	Pond	0.83	
1981	Ditch	0.58	92	Pond	0.58	Pond	0.58	
1980,1981	Ditch	0.11	93	Homestead	0.11	Homestead	0.11	
1980,1981	Ditch	0.07	94	Homestead	0.07	Homestead	0.07	
1991,1992	Homestead	0.32	95	Homestead	0.32	Homestead	0.32	
1989,1990	Homestead	0.20	96	Homestead	0.20	Homestead	0.20	
1988	Cultivable land	0.09	97	Homestead	0.09	Homestead	0.09	
1988	Cultivable land	0.08	98	Homestead	0.08	Homestead	0.08	
1991	Homestead	0.06	99	Homestead	0.06	Homestead	0.06	
1992	Cultivable land	0.11	6100	Cultivable land	0.11	Cultivable land	0.11	
1988	Cultivable land	0.10	6101	Cultivable land	0.10	Cultivable land	0.10	
2012	Road	0.85	2	Road	0.85	Road	0.85	
1993	Hallot	0.27	3	Hallot	0.27	Hallot	0.27	
1995	Cultivable land	0.16	4	Cultivable land	0.16	Cultivable land	0.16	
1995	Cultivable land	0.09	5	Cultivable land	0.09	Cultivable land	0.09	
1995	Cultivable land	0.12	6	Cultivable land	0.12	Cultivable land	0.12	
1994	Ditch	0.09	7	Ditch	0.09	Ditch	0.09	
2000	Ditch	0.09	8	Ditch	0.09	Ditch	0.09	
1997,1999	Cultivable land	0.40	9	Cultivable land	0.40	Cultivable land	0.40	
1998	Cultivable land	0.06	10	Cultivable land	0.06	Cultivable land	0.06	
1997,1998	Cultivable land	0.10	11	Cultivable land	0.10	Cultivable land	0.10	
1919	Cultivable land	0.05	12	Cultivable land	0.05	Cultivable land	0.05	
2805	Cultivable land	0.16	5504/6 113	Cultivable land	0.16	Cultivable land	0.16	
2842	Ditch	0.08	5534/6 114	Ditch	0.08	Ditch	0.08	
2842,2843	Ditch	0.30	5534/6 115	Ditch	0.30	Ditch	0.30	
2844	Ditch	0.15	5560/6 116	Cultivable land	0.15	Cultivable land	0.15	
2356	Cultivable land	0.33	5714/6 117	Cultivable land	0.33	Cultivable land	0.33	
2836	Cultivable land	0.37	5609/6 118	Cultivable land	0.37	Cultivable land	0.37	
2866	Cultivable land	0.18	5610/6 119	Cultivable land	0.18	Cultivable land	0.18	
2866	Cultivable land	0.22	5611/6 120	Cultivable land	0.22	Cultivable land	0.22	
2872	Cultivable land	0.45	5594/6 121	Cultivable land	0.45	Cultivable land	0.45	
2872	Cultivable land	0.05	5773/6 122	Cultivable land	0.05	Cultivable land	0.05	
2188	Cultivable land	0.03	5810/6 123	Fallow	0.03	Fallow	0.03	
1995	Cultivable land	0.11	6105/6 124	Resident Cultivable land	0.11	Resident Cultivable land	0.11	

District: Brahmanbaria, Upazila: Asuganj, Union: Char Chartala, Mouza: Char Chartala

Cadastral Survey (CS Operation: 1957-1958)			Bangladesh Survey (BS Operation: 1995)			Survey Report,2014		
Plot no	Land Class	Total land (Acre)	Plot no	Land Class	Total land (Acre)	Land Class	Total land (Acre)	Remark
2952	River	166.00	7001	River	166.00	River	166.00	
2971	Cultivable land	1.00	2	Cultivable land	1.00	Cultivable land	1.00	
2971	Cultivable land	1.11	3	Cultivable land	1.11	Cultivable land	1.11	
3290	Cultivable land	2.12	4	Cultivable land	2.12	Cultivable land	2.12	
3292	Cultivable land	0.41	5	Cultivable land	0.41	Cultivable land	0.41	
3292	Cultivable land	0.29	6	Cultivable land	0.29	Cultivable land	0.29	
3293	Cultivable land	0.12	7	Cultivable land	0.12	Cultivable land	0.12	
3293	Cultivable land	0.52	8	Cultivable land	0.52	Cultivable land	0.52	
2888	Cultivable land	0.44	9	Cultivable land	0.44	Cultivable land	0.44	
2888	Cultivable land	0.29	10	Cultivable land	0.29	Cultivable land	0.29	
3294	Cultivable land	0.15	11	Cultivable land	0.15	Cultivable land	0.15	
3294	Cultivable land	0.42	12	Cultivable land	0.42	Cultivable land	0.42	
3295	Cultivable land	0.31	13	Cultivable land	0.31	Cultivable land	0.31	
3295	Cultivable land	0.17	14	Cultivable land	0.17	Cultivable land	0.17	
3295	Cultivable land	0.21	15	Cultivable land	0.21	Cultivable land	0.21	
2971	Cultivable land	0.77	16	Cultivable land	0.77	Cultivable land	0.77	
2892	Cultivable land	0.71	17	Cultivable land	0.71	Cultivable land	0.71	
2892	Cultivable land	0.36	18	Cultivable land	0.36	Cultivable land	0.36	
2892	Cultivable land	0.17	19	Cultivable land	0.17	Cultivable land	0.17	
2892	Cultivable land	0.17	20	Cultivable land	0.17	Cultivable land	0.17	
2892	Cultivable land	0.11	21	Cultivable land	0.11	Cultivable land	0.11	
2892	Cultivable land	0.12	22	Cultivable land	0.12	Cultivable land	0.12	
2892	Cultivable land	0.07	23	Cultivable land	0.07	Cultivable land	0.07	
2892	Cultivable land	0.89	24	Cultivable land	0.89	Cultivable land	0.89	
2892	Cultivable land	0.30	25	Cultivable land	0.30	Cultivable land	0.30	
2892	Cultivable land	0.26	26	Cultivable land	0.26	Cultivable land	0.26	
2893	Cultivable land	0.13	27	Cultivable land	0.13	Cultivable land	0.13	
2893	Cultivable land	0.67	28	Cultivable land	0.67	Cultivable land	0.67	
2893	Cultivable land	0.63	29	Cultivable land	0.63	Cultivable land	0.63	
2893	Cultivable land	0.03	30	Cultivable land	0.03	Cultivable land	0.03	
2894	Cultivable land	0.45	31	Cultivable land	0.45	Cultivable land	0.45	
2894	Cultivable land	0.24	32	Cultivable land	0.24	Cultivable land	0.24	
2971	Cultivable land	0.65	33	Cultivable land	0.65	Cultivable land	0.65	
2971	Cultivable land	0.13	34	Cultivable land	0.13	Cultivable land	0.13	
2971	Cultivable land	1.33	35	Cultivable land	1.33	Cultivable land	1.33	
2971	Cultivable land	0.73	36	Cultivable land	0.73	Cultivable land	0.73	
2900	Cultivable land	0.83	37	Cultivable land	0.83	Cultivable land	0.83	
2971	Cultivable land	0.17	38	Cultivable land	0.17	Cultivable land	0.17	
2971	Cultivable land	0.49	39	Cultivable land	0.49	Cultivable land	0.49	
2971	Cultivable land	0.45	40	Cultivable land	0.45	Cultivable land	0.45	
3297	Cultivable land	1.02	41	Cultivable land	1.02	Cultivable land	1.02	
3298	Cultivable land	0.85	42	Cultivable land	0.85	Cultivable land	0.85	
3298	Cultivable land	0.21	43	Cultivable land	0.21	Cultivable land	0.21	
2901	Cultivable land	0.37	44	Cultivable land	0.37	Cultivable land	0.37	
2901	Cultivable land	0.25	45	Cultivable land	0.25	Cultivable land	0.25	
2901	Cultivable land	0.08	46	Cultivable land	0.08	Cultivable land	0.08	
2901	Cultivable land	0.06	47	Cultivable land	0.06	Cultivable land	0.06	
2901,3301	Cultivable land	0.73	48	Cultivable land	0.73	Cultivable land	0.73	
2901	Cultivable land	0.34	49	Cultivable land	0.34	Cultivable land	0.34	
2901	Cultivable land	0.35	50	Cultivable land	0.35	Cultivable land	0.35	
2901	Cultivable land	0.37	51	Cultivable land	0.37	Cultivable land	0.37	
2905,3303	Cultivable land	0.40	52	Cultivable land	0.40	Cultivable land	0.40	
3302,3303	Cultivable land	0.38	53	Cultivable land	0.38	Cultivable land	0.38	
3302,3303	Cultivable land	0.22	54	Cultivable land	0.22	Cultivable land	0.22	

2902,3300	Cultivable land	0.43	55	Cultivable land	0.43	Cultivable land	0.43	
3299	Cultivable land	0.19	56	Cultivable land	0.19	Cultivable land	0.19	
3304,2905 , 3303	Cultivable land	1.80	57	Cultivable land	1.80	Cultivable land	1.80	
3304	Cultivable land	0.72	58	Cultivable land	0.72	Cultivable land	0.72	
2906	Cultivable land	0.94	59	Cultivable land	0.94	Cultivable land	0.94	
2909	Cultivable land	0.43	61	Cultivable land	0.43	Cultivable land	0.43	
2909	Cultivable land	1.09	62	Cultivable land	1.09	Cultivable land	1.09	
2909	Cultivable land	0.30	63	Cultivable land	0.30	Cultivable land	0.30	
2909	Cultivable land	0.30	64	Cultivable land	0.30	Cultivable land	0.30	
2901	Cultivable land	0.67	65	Cultivable land	0.67	Cultivable land	0.67	
2909	Cultivable land	0.37	66	Cultivable land	0.37	Cultivable land	0.37	
2909	Cultivable land	0.35	67	Cultivable land	0.35	Cultivable land	0.35	
2908	Cultivable land	0.32	68	Cultivable land	0.32	Cultivable land	0.32	
2907	Cultivable land	0.25	69	Cultivable land	0.25	Cultivable land	0.25	
2905,2906	Cultivable land	0.15	70	Cultivable land	0.15	Cultivable land	0.15	
2904	Cultivable land	0.33	71	Cultivable land	0.33	Cultivable land	0.33	
2904	Cultivable land	0.33	72	Cultivable land	0.33	Cultivable land	0.33	
2903	Cultivable land	0.47	73	Cultivable land	0.47	Cultivable land	0.47	
2903	Cultivable land	0.48	74	Cultivable land	0.48	Cultivable land	0.48	
2909	Cultivable land	0.26	75	Cultivable land	0.26	Cultivable land	0.26	
2903	Cultivable land	0.28	76	Cultivable land	0.28	Cultivable land	0.28	
2903	Cultivable land	0.21	77	Cultivable land	0.21	Cultivable land	0.21	
2903	Cultivable land	0.19	78	Cultivable land	0.19	Cultivable land	0.19	
2898	Cultivable land	0.36	79	Cultivable land	0.36	Cultivable land	0.36	
2898	Cultivable land	0.37	80	Cultivable land	0.37	Cultivable land	0.37	
2897	Cultivable land	0.98	81	Cultivable land	0.98	Cultivable land	0.98	
2897,2896	Cultivable land Hallot	0.21	82	Cultivable land	0.21	Cultivable land	0.21	
2897,2896	Cultivable land Hallot	0.33	83	Cultivable land	0.33	Cultivable land	0.33	
2897,2896	Cultivable land Hallot	0.09	84	Cultivable land	0.09	Cultivable land	0.09	
2895,2896	Cultivable land Hallot	0.53	85	Cultivable land	0.53	Cultivable land	0.53	
2895,2896	Cultivable land Hallot	0.27	86	Cultivable land	0.27	Cultivable land	0.27	
3296	Cultivable land	0.23	87	Cultivable land	0.23	Cultivable land	0.23	
3296	Cultivable land	0.35	88	Cultivable land	0.35	Cultivable land	0.35	
2891	Cultivable land	0.47	89	Cultivable land	0.47	Cultivable land	0.47	
2891	Cultivable land	0.44	90	Cultivable land	0.44	Cultivable land	0.44	
2891	Cultivable land	0.56	91	Cultivable land	0.56	Cultivable land	0.56	
2891	Cultivable land	0.35	92	Cultivable land	0.35	Cultivable land	0.35	
2890	Cultivable land	0.16	93	Cultivable land	0.16	Cultivable land	0.16	
2890	Cultivable land	0.16	94	Cultivable land	0.16	Cultivable land	0.16	
2890	Cultivable land	0.22	95	Cultivable land	0.22	Cultivable land	0.22	
2890	Cultivable land	0.12	96	Cultivable land	0.12	Cultivable land	0.12	
2890	Cultivable land	0.10	97	Cultivable land	0.10	Cultivable land	0.10	
2890	Cultivable land	0.19	98	Cultivable land	0.19	Cultivable land	0.19	
2890	Cultivable land	0.09	99	Cultivable land	0.09	Cultivable land	0.09	
2890	Cultivable land	0.28	7100	Cultivable land	0.28	Cultivable land	0.28	
3291	Cultivable land	0.23	7101	Cultivable land	0.23	Cultivable land	0.23	
3291	Cultivable land	0.25	2	Cultivable land	0.25	Cultivable land	0.25	
2887	Cultivable land	0.48	3	Cultivable land	0.48	Cultivable land	0.48	
2890	Cultivable land	0.21	4	Cultivable land	0.21	Cultivable land	0.21	
2890	Cultivable land	0.10	5	Cultivable land	0.10	Cultivable land	0.10	
2888	Cultivable land	0.11	6	Cultivable land	0.11	Cultivable land	0.11	
2887	Cultivable land	0.21	7	Cultivable land	0.21	Cultivable land	0.21	
2885	Cultivable land	0.15	8	Cultivable land	0.15	Cultivable land	0.15	
2884	Cultivable land	0.16	9	Cultivable land	0.16	Cultivable land	0.16	
2884	Cultivable land	0.38	10	Cultivable land	0.38	Cultivable land	0.38	
2886	Cultivable land	0.34	11	Cultivable land	0.34	Cultivable land	0.34	
2886	Cultivable land	0.19	12	Cultivable land	0.19	Cultivable land	0.19	
2886	Cultivable land	0.19	13	Cultivable land	0.19	Cultivable land	0.19	
2886	Cultivable land	0.35	14	Cultivable land	0.35	Cultivable land	0.35	
2431	Cultivable land	0.24	15	Cultivable land	0.24	Cultivable land	0.24	

2430	Cultivable land	0.42	16	Cultivable land	0.42	Cultivable land	0.42	
2430	Cultivable land	0.37	17	Cultivable land	0.37	Cultivable land	0.37	
2406	Cultivable land	0.24	18	Cultivable land	0.24	Cultivable land	0.24	
2432,2433	Cultivable land	0.24	19	Cultivable land	0.24	Cultivable land	0.24	
2529	Cultivable land	0.46	20	Cultivable land	0.46	Cultivable land	0.46	
2429	Cultivable land	0.21	21	Cultivable land	0.21	Cultivable land	0.21	
2429	Cultivable land	0.21	22	Cultivable land	0.21	Cultivable land	0.21	
3249	Cultivable land	0.20	23	Cultivable land	0.20	Cultivable land	0.20	
2434	Cultivable land	0.31	24	Cultivable land	0.31	Cultivable land	0.31	
2435,3246	Cultivable land	0.68	25	Cultivable land	0.68	Cultivable land	0.68	
3249	Cultivable land	0.22	26	Cultivable land	0.22	Cultivable land	0.22	
2428	Cultivable land	0.23	27	Cultivable land	0.23	Cultivable land	0.23	
2428	Cultivable land	0.17	28	Cultivable land	0.17	Cultivable land	0.17	
2427	Cultivable land	0.12	29	Cultivable land	0.12	Cultivable land	0.12	
3244	Cultivable land	0.27	30	Cultivable land	0.27	Cultivable land	0.27	
3244	Cultivable land	0.27	31	Cultivable land	0.27	Cultivable land	0.27	
2427	Cultivable land	0.32	32	Cultivable land	0.32	Cultivable land	0.32	
2427	Cultivable land	0.30	33	Cultivable land	0.30	Cultivable land	0.30	
2427	Cultivable land	0.37	34	Cultivable land	0.37	Cultivable land	0.37	
2426,3245	Cultivable land	0.60	35	Cultivable land	0.60	Cultivable land	0.60	
3245	Cultivable land	0.29	36	Cultivable land	0.29	Cultivable land	0.29	
3245	Cultivable land	0.34	37	Cultivable land	0.34	Cultivable land	0.34	
2425	Cultivable land	0.21	38	Cultivable land	0.21	Cultivable land	0.21	
2422	Cultivable land	0.21	39	Cultivable land	0.21	Cultivable land	0.21	
2427,3243	Cultivable land	0.86	40	Cultivable land	0.86	Cultivable land	0.86	
2421	Cultivable land	0.33	41	Cultivable land	0.33	Cultivable land	0.33	
2420,3241	Cultivable land	0.33	42	Cultivable land	0.33	Cultivable land	0.33	
2419	Cultivable land	0.11	43	Cultivable land	0.11	Cultivable land	0.11	
2419	Cultivable land	0.11	44	Cultivable land	0.11	Cultivable land	0.11	
2418	Cultivable land	0.11	45	Cultivable land	0.11	Cultivable land	0.11	
2418	Cultivable land	0.10	46	Cultivable land	0.10	Cultivable land	0.10	
3241,2417	Cultivable land	0.35	47	Cultivable land	0.35	Cultivable land	0.35	
2401	Cultivable land	0.44	48	Cultivable land	0.44	Cultivable land	0.44	
2401,2402	Cultivable land	0.54	49	Cultivable land	0.54	Cultivable land	0.54	
2398,2399	Cultivable land	0.17	50	Cultivable land	0.17	Cultivable land	0.17	
2401,2423 2400	Cultivable land	0.84	51	Cultivable land	0.84	Cultivable land	0.84	
2401,2423 2400	Cultivable land	0.66	52	Cultivable land	0.66	Cultivable land	0.66	
2395	Cultivable land	0.14	53	Cultivable land	0.14	Cultivable land	0.14	
2394	Cultivable land	0.10	54	Cultivable land	0.10	Cultivable land	0.10	
2394	Cultivable land	0.12	55	Cultivable land	0.12	Cultivable land	0.12	
2393	Cultivable land	0.08	56	Cultivable land	0.08	Cultivable land	0.08	
2424	Cultivable land	0.18	57	Cultivable land	0.18	Cultivable land	0.18	
2424	Cultivable land	0.17	58	Cultivable land	0.17	Cultivable land	0.17	
2398	Cultivable land	0.19	59	Cultivable land	0.19	Cultivable land	0.19	
2391	Cultivable land	0.18	60	Cultivable land	0.18	Cultivable land	0.18	
2391	Cultivable land	0.20	61	Cultivable land	0.20	Cultivable land	0.20	
2424	Cultivable land	0.19	62	Cultivable land	0.19	Cultivable land	0.19	
2424	Cultivable land	0.24	63	Cultivable land	0.24	Cultivable land	0.24	
2390	Cultivable land	0.47	64	Cultivable land	0.47	Cultivable land	0.47	
2391	Cultivable land	0.27	65	Cultivable land	0.27	Cultivable land	0.27	
2387	Cultivable land	0.35	66	Cultivable land	0.35	Cultivable land	0.35	
2388,2389	Cultivable land	0.19	67	Cultivable land	0.19	Cultivable land	0.19	
2388,2389	Cultivable land	0.35	68	Cultivable land	0.35	Cultivable land	0.35	
3244	Cultivable land	0.07	69	Cultivable land	0.07	Cultivable land	0.07	
3248	Cultivable land	0.28	70	Cultivable land	0.28	Cultivable land	0.28	
2436,2437	Cultivable land	0.34	71	Cultivable land	0.34	Cultivable land	0.34	
2438	Cultivable land	0.14	72	Cultivable land	0.14	Cultivable land	0.14	
2386	Cultivable land	0.26	73	Cultivable land	0.26	Cultivable land	0.26	
2384	Cultivable land	0.41	74	Cultivable land	0.41	Cultivable land	0.41	
2439,2440	Cultivable land	0.29	75	Cultivable land	0.29	Cultivable land	0.29	
2439,2440	Cultivable land	0.29	76	Cultivable land	0.29	Cultivable land	0.29	
2439,2440	Cultivable land	0.25	77	Cultivable land	0.25	Cultivable land	0.25	
2441,2443	Cultivable land	0.74	78	Cultivable land	0.74	Cultivable land	0.74	
2381	Cultivable land	0.14	79	Cultivable land	0.14	Cultivable land	0.14	

2383,2384	Cultivable land	0.46	80	Cultivable land	0.46	Cultivable land	0.46
2382	Cultivable land	0.28	81	Cultivable land	0.28	Cultivable land	0.28
2378	Cultivable land	0.31	82	Cultivable land	0.31	Cultivable land	0.31
2379	Cultivable land	0.18	83	Cultivable land	0.18	Cultivable land	0.18
2380,2442	Cultivable land	0.18	84	Cultivable land	0.18	Cultivable land	0.18
2278	River	0.76	85	River	0.76	River	0.76
2444	Cultivable land	0.24	86	Cultivable land	0.24	Cultivable land	0.24
2374	Cultivable land	0.21	87	Cultivable land	0.21	Cultivable land	0.21
2375	Cultivable land	0.21	88	Cultivable land	0.21	Cultivable land	0.21
2445	Cultivable land	0.41	89	Cultivable land	0.41	Cultivable land	0.41
2446	Cultivable land	0.07	90	Cultivable land	0.07	Cultivable land	0.07
2446	Cultivable land	0.07	91	Cultivable land	0.07	Cultivable land	0.07
2447	Cultivable land	0.14	92	Cultivable land	0.14	Cultivable land	0.14
2448	Cultivable land	0.35	93	Cultivable land	0.35	Cultivable land	0.35
2372	Cultivable land	0.20	94	Cultivable land	0.20	Cultivable land	0.20
2373	Cultivable land	0.62	95	Cultivable land	0.62	Cultivable land	0.62
2373	Cultivable land	0.25	96	Cultivable land	0.25	Cultivable land	0.25
2373	Cultivable land	0.39	97	Cultivable land	0.39	Cultivable land	0.39
2372	Cultivable land	0.07	98	Cultivable land	0.07	Cultivable land	0.07
2449	Cultivable land	0.35	99	Cultivable land	0.35	Cultivable land	0.35
2450	Cultivable land	0.09	7200	Cultivable land	0.09	Cultivable land	0.09
2450	Cultivable land	0.19	7201	Cultivable land	0.19	Cultivable land	0.19
2450	Cultivable land	0.10	2	Cultivable land	0.10	Cultivable land	0.10
2451	Cultivable land	0.27	3	Cultivable land	0.27	Cultivable land	0.27
2451	Cultivable land	0.24	4	Cultivable land	0.24	Cultivable land	0.24
2371	Cultivable land	0.15	5	Cultivable land	0.15	Cultivable land	0.15
2371	Cultivable land	0.30	6	Cultivable land	0.30	Cultivable land	0.30
2369,2370	Cultivable land	0.44	7	Cultivable land	0.44	Cultivable land	0.44
2368,2369	Cultivable land	0.64	8	Cultivable land	0.64	Cultivable land	0.64
2367	Cultivable land	0.55	9	Cultivable land	0.55	Cultivable land	0.55
2366	Cultivable land	0.15	10	Cultivable land	0.15	Cultivable land	0.15
2366	Cultivable land	0.26	11	Cultivable land	0.26	Cultivable land	0.26
2365	Cultivable land	0.31	12	Cultivable land	0.31	Cultivable land	0.31
2365	Cultivable land	0.32	13	Cultivable land	0.32	Cultivable land	0.32
2278	River	8.67	14	River	8.67	River	8.67
2104,3379	Ditch	0.28	15	Cultivable land	0.28	Cultivable land	0.28
2104,3379	Ditch	0.30	16	Ditch	0.30	Ditch	0.30
3379	Ditch	0.14	17	Cultivable land	0.14	Cultivable land	0.14
2104,3379	Ditch	0.18	18	Cultivable land	0.18	Cultivable land	0.18
2104,3379	Ditch	0.18	19	Cultivable land	0.18	Cultivable land	0.18
2103	Ditch	0.20	20	Cultivable land	0.20	Cultivable land	0.20
2105	Cultivable land	0.05	21	Cultivable land	0.05	Cultivable land	0.05
2105	Cultivable land	0.16	22	Cultivable land	0.16	Cultivable land	0.16
2105,2106	Cultivable land	0.19	23	Cultivable land	0.19	Homestead	0.19
2106,3378	Homestead	0.19	24	Homestead	0.19	Homestead	0.19
2105,2106	Cultivable land	0.18	25	Homestead	0.18	Homestead	0.18
2102	Cultivable land	0.12	26	Cultivable land	0.12	Homestead	0.12
2102	Cultivable land	0.13	27	Cultivable land	0.13	Homestead	0.13
2100,2102	Cultivable land	0.23	28	Homestead	0.23	Homestead	0.23
, 2103				Cultivable land			
2102	Cultivable land	0.09	29	Cultivable land	0.09	Homestead	0.09
2102,2103	Cultivable land	0.40	30	Cultivable land	0.40	Cultivable land	0.40
2098,2099	Ditch	0.09	31	Cultivable land	0.09	Cultivable land	0.09
2099	Cultivable land	0.08	32	Cultivable land	0.08	Homestead	0.08
2102	Cultivable land	0.24	33	Cultivable land	0.24	Homestead	0.24
2100	Homestead	0.02	34	Homestead	0.02	Homestead	0.02
2100	Homestead	0.03	35	Homestead	0.03	Homestead	0.03
2099	Cultivable land	0.14	36	Cultivable land	0.14	Cultivable land	0.14
2099	Cultivable land	0.11	37	Cultivable land	0.11	Cultivable land	0.11
2099	Cultivable land	0.04	38	Cultivable land	0.04	Homestead	0.04
2278,2098 , 2099	Ditch	0.30	39	Cultivable land	0.30	Cultivable land	0.30
2098,2099	Ditch	0.92	40	Cultivable land	0.92	Cultivable land	0.92

2278	Cultivable land						
2099	Cultivable land	0.07	41	Cultivable land	0.07	Homestead	0.07
2099	Cultivable land	0.31	42	Cultivable land	0.31	Cultivable land	0.31
2100	Homestead	0.10	43	Graveyard	0.10	Graveyard	0.10
2096	Cultivable land	0.04	44	Graveyard	0.04	Graveyard	0.04
2096	Cultivable land	0.06	45	Cultivable land	0.06	Homestead	0.06
2096	Cultivable land	0.12	46	Cultivable land	0.12	Cultivable land	0.12
2096	Cultivable land	0.12	47	Cultivable land	0.12	Cultivable land	0.12
2099	Cultivable land	0.20	48	Cultivable land	0.20	Cultivable land	0.20
2099	Cultivable land	0.03	49	Cultivable land	0.03	Homestead	0.03
2099	Cultivable land	0.17	50	Cultivable land	0.17	Homestead	0.17
2096	Cultivable land	0.05	51	Cultivable land	0.05	Cultivable land	0.05
2096	Cultivable land	0.26	52	Cultivable land	0.26	Cultivable land	0.26
2096,2097	Ditch	0.12	53	Cultivable land	0.12	Cultivable land	0.12
2096,2097	Ditch	0.60	54	Cultivable land	0.60	Cultivable land	0.60
2095,2096	Homestead Cultivable land	0.66	55	Homestead Cultivable land	0.66	Homestead	0.66
2093	Cultivable land	0.10	56	Cultivable land	0.10	Homestead	0.10
2093	Cultivable land	0.10	57	Resident	0.10	Homestead	0.10
2093	Cultivable land	0.07	58	Cultivable land	0.07	Homestead	0.07
2093	Cultivable land	0.07	59	Cultivable land	0.07	Homestead	0.07
2093	Cultivable land	0.11	60	Cultivable land	0.11	Homestead	0.11
2092,2093	Ditch	0.30	61	Cultivable land	0.30	Cultivable land	0.30
2090,2091	Ditch	0.21	62	Cultivable land	0.21	Cultivable land	0.21
2090	Cultivable land	0.26	63	Cultivable land	0.26	Cultivable land	0.26
2090	Cultivable land	0.29	64	Cultivable land	0.29	Cultivable land	0.29
2090,2091	Ditch	0.23	65	Cultivable land	0.23	Cultivable land	0.23
2082,2083	Cultivable land	0.25	66	Cultivable land	0.25	Cultivable land	0.25
2085	Cultivable land	0.09	67	Cultivable land	0.09	Cultivable land	0.09
2085	Cultivable land	0.31	68	Cultivable land	0.31	Cultivable land	0.31
2087	Cultivable land	0.08	69	Homestead	0.08	Homestead	0.08
2088	Homestead	0.08	70	Homestead	0.08	Homestead	0.08
2088	Homestead	0.16	71	Homestead	0.16	Homestead	0.16
2087	Cultivable land	0.06	72	Homestead	0.06	Homestead	0.06
2090	Cultivable land	0.04	73	Homestead	0.04	Homestead	0.04
2089	Homestead	0.11	74	Homestead	0.11	Homestead	0.11
2089	Homestead	0.19	75	Homestead	0.19	Homestead	0.19
2090	Cultivable land	0.05	76	Homestead	0.05	Homestead	0.05
2094	Homestead	0.33	77	Homestead	0.33	Homestead	0.33
2094	Homestead	0.02	78	Mosque	0.02	Mosque	0.02
2095	Homestead	0.23	79	Resident	0.23	Homestead	0.23
2095	Homestead	0.21	80	Homestead	0.21	Homestead	0.21
2100	Homestead	0.54	81	Homestead	0.54	Homestead	0.54
2101	Homestead	0.33	82	Homestead	0.33	Homestead	0.33
2106	Homestead	0.23	83	Homestead	0.23	Homestead	0.23
2106,3380	Homestead	0.16	84	Homestead	0.16	Homestead	0.16
1993	Road	0.58	85	Road	0.58	Road	0.58
2001-2003	Homestead Ditch	0.17	86	Homestead	0.17	Homestead	0.17
2002	Cultivable land	0.02	87	Cultivable land	0.02	Homestead	0.02
2002	Cultivable land	0.02	88	Cultivable land	0.02	Homestead	0.02
3360	Cultivable land	0.03	89	Cultivable land	0.03	Homestead	0.03
3360	Cultivable land	0.08	90	Cultivable land	0.08	Homestead	0.08
2003,2004	Cultivable land	0.24	91	Cultivable land	0.24	Cultivable land	0.24
2004,3700	Cultivable land	0.17	92	Cultivable land	0.17	Cultivable land	0.17
2004,3360	Cultivable land	0.10	93	Cultivable land	0.10	Homestead	0.10
2005-2007	Cultivable land	0.10	94	Cultivable land	0.10	Homestead	0.10
2009	Cultivable land	0.03	95	Cultivable land	0.03	Homestead	0.03
2005	Ditch	0.04	97	Cultivable land	0.04	Homestead	0.04
2005	Ditch	0.03	98	Ditch	0.03	Ditch	0.03
2006	Cultivable land	0.19	99	Cultivable land	0.19	Cultivable land	0.19
2007	Cultivable land	0.03	7300	Cultivable land	0.03	Homestead	0.03
2008	Cultivable land	0.02	7301	Cultivable land	0.02	Homestead	0.02
2008	Cultivable land	0.03	2	Cultivable land	0.03	Homestead	0.03
2008	Cultivable land	0.03	3	Cultivable land	0.03	Homestead	0.03

2009	Cultivable land	0.09	4	Cultivable land	0.09	Homestead	0.09
2009	Cultivable land	0.08	5	Cultivable land	0.08	Homestead	0.08
2031	Cultivable land	0.07	6	Cultivable land	0.07	Homestead	0.07
2010	Ditch	0.05	7	Ditch	0.05	Homestead	0.05
2011	Cultivable land	0.02	8	Cultivable land	0.02	Homestead	0.02
2011	Cultivable land	0.06	9	Cultivable land	0.06	Homestead	0.06
2010	Ditch	0.11	10	Cultivable land	0.11	Homestead	0.11
2010	Ditch	0.10	11	Cultivable land	0.10	Homestead	0.10
2009	Cultivable land	0.13	12	Cultivable land	0.13	Cultivable land	0.13
2013,2014	Ditch	0.07	13	Cultivable land	0.07	Cultivable land	0.07
2013,2014	Ditch	0.08	14	Cultivable land	0.08	Cultivable land	0.08
2015,2016	Cultivable land	0.10	15	Cultivable land	0.10	Cultivable land	0.10
2015,2016	Cultivable land	0.10	16	Cultivable land	0.10	Cultivable land	0.10
2014	Ditch	0.04	17	Cultivable land	0.04	Homestead	0.04
2014	Ditch	0.05	18	Ditch	0.05	Homestead	0.05
2014	Ditch	0.04	19	Ditch	0.04	Homestead	0.04
2014	Ditch	0.04	20	Ditch	0.04	Homestead	0.04
2014	Ditch	0.06	21	Ditch	0.06	Homestead	0.06
2014	Ditch	0.04	22	Ditch	0.04	Homestead	0.04
2014	Ditch	0.01	23	Ditch	0.01	Homestead	0.01
2013,2014	Ditch	0.09	24	Ditch	0.09	Ditch	0.09
2019,2020	Ditch	0.06	25	Ditch	0.06	Homestead	0.06
2019	Ditch	0.04	26	Ditch	0.04	Homestead	0.04
50	Ditch	0.03	27	Ditch	0.03	Homestead	0.03
2018	Cultivable land	0.07	28	Homestead	0.07	Homestead	0.07
2017	Cultivable land	0.08	29	Homestead	0.08	Homestead	0.08
2017	Cultivable land	0.03	30	Homestead	0.03	Homestead	0.03
2024	Cultivable land	0.02	31	Homestead	0.02	Homestead	0.02
2024	Cultivable land	0.02	32	Homestead	0.02	Homestead	0.02
2023	Cultivable land	0.08	33	Homestead	0.08	Homestead	0.08
2018	Cultivable land	0.05	34	Homestead	0.05	Homestead	0.05
2018	Cultivable land	0.03	35	Homestead	0.03	Homestead	0.03
2023	Cultivable land	0.06	36	Homestead	0.06	Homestead	0.06
2022	Ditch	0.06	37	Ditch	0.06	Homestead	0.06
2019	Ditch	0.04	38	Ditch	0.04	Homestead	0.04
2019,2020	Ditch	0.07	39	Homestead	0.07	Homestead	0.07
	Cultivable land						
2021	Cultivable land	0.03	40	Homestead	0.03	Homestead	0.03
2021	Cultivable land	0.05	42	Homestead	0.05	Homestead	0.05
2021	Cultivable land	0.06	43	Homestead	0.06	Homestead	0.06
2022	Ditch	0.04	44	Ditch	0.04	Homestead	0.04
2023	Cultivable land	0.03	45	Cultivable land	0.03	Homestead	0.03
2023	Cultivable land	0.12	46	Cultivable land	0.12	Cultivable land	0.12
2025	Cultivable land	0.33	47	Cultivable land	0.33	Pond	0.33
2025	Cultivable land	0.02	48	Cultivable land	0.02	Cultivable land	0.02
2025,2028	Homestead	0.03	49	Homestead	0.03	Homestead	0.03
2028	Homestead	0.04	50	Homestead	0.04	Homestead	0.04
2029	Cultivable land	0.07	51	Homestead	0.07	Homestead	0.07
2030	Cultivable land	0.02	52	Graveyard	0.02	Graveyard	0.02
2028	Homestead	0.13	53	Homestead	0.13	Homestead	0.13
2026,2027	Cultivable land	0.48	54	Cultivable land	0.48	Pond	0.48
2027,2030	Cultivable land	0.14	55	Cultivable land	0.14	Homestead	0.14
2030	Cultivable land	0.13	56	Cultivable land	0.13	Homestead	0.13
2030	Cultivable land	0.08	57	Cultivable land	0.08	Homestead	0.08
2031,2032	Cultivable land	0.06	58	Cultivable land	0.06	Homestead	0.06
2032	Cultivable land	0.06	59	Cultivable land	0.06	Homestead	0.06
2030,2031	Graveyard	0.05	60	Graveyard	0.05	Graveyard	0.05
2029,2033 2099	Ditch	0.15	61	Ditch	0.15	Ditch	0.15
2034,2035	Cultivable land	0.14	62	Cultivable land	0.14	Homestead	0.14
2035	Cultivable land	0.02	63	Graveyard	0.02	Graveyard	0.02
2035	Cultivable land	0.05	64	Cultivable land	0.05	Cultivable land	0.05
2036	Cultivable land	0.23	65	Cultivable land	0.23	Cultivable land	0.23
2040	Cultivable land	0.08	66	Cultivable land	0.08	Cultivable land	0.08
2040	Cultivable land	0.08	67	Cultivable land	0.08	Cultivable land	0.08
2039	Cultivable land	0.15	68	Cultivable land	0.15	Cultivable land	0.15

2037	Cultivable land	0.12	69	Cultivable land	0.12	Cultivable land	0.12	
2032	Cultivable land	0.06	70	Cultivable land	0.06	Cultivable land	0.06	
2031,2032	Cultivable land	0.16	71	Cultivable land	0.16	Cultivable land	0.16	
2031	Cultivable land	0.02	72	Cultivable land	0.02	Cultivable land	0.02	
2032	Cultivable land	0.02	73	Cultivable land	0.02	Cultivable land	0.02	
2038	Cultivable land	0.09	74	Cultivable land	0.09	Cultivable land	0.09	
2041	Cultivable land	0.10	75	Cultivable land	0.10	Cultivable land	0.10	
2047	Cultivable land	0.17	76	Cultivable land	0.17	Cultivable land	0.17	
2047	Cultivable land	0.08	77	Cultivable land	0.08	Cultivable land	0.08	
2047	Cultivable land	0.04	78	Cultivable land	0.04	Cultivable land	0.04	
2047	Cultivable land	0.08	79	Cultivable land	0.08	Cultivable land	0.08	
2047	Cultivable land	0.09	80	Cultivable land	0.09	Cultivable land	0.09	
2057	Cultivable land	0.10	81	Cultivable land	0.10	Cultivable land	0.10	
2057	Cultivable land	0.08	82	Cultivable land	0.08	Cultivable land	0.08	
2047	Cultivable land	0.08	83	Cultivable land	0.08	Cultivable land	0.08	
2047	Cultivable land	0.08	84	Cultivable land	0.08	Cultivable land	0.08	
2047	Cultivable land	0.24	85	Cultivable land	0.24	Cultivable land	0.24	
2047	Cultivable land	0.07	86	Cultivable land	0.07	Cultivable land	0.07	
2021	Cultivable land	0.08	87	Cultivable land	0.08	Cultivable land	0.08	
2021	Cultivable land	0.08	88	Cultivable land	0.08	Cultivable land	0.08	
2046	Cultivable land	0.12	89	Cultivable land	0.12	Cultivable land	0.12	
2041	Cultivable land	0.08	90	Cultivable land	0.08	Cultivable land	0.08	
2012,2042	Road	1.09	91	Road	1.09	Road	1.09	
2041	Cultivable land	0.07	92	Cultivable land	0.07	Cultivable land	0.07	
2043	Cultivable land	0.09	93	Cultivable land	0.09	Cultivable land	0.09	
2043	Cultivable land	0.09	94	Cultivable land	0.09	Cultivable land	0.09	
2043	Cultivable land	0.20	95	Cultivable land	0.20	Cultivable land	0.20	
2046	Cultivable land	0.07	96	Cultivable land	0.07	Cultivable land	0.07	
2045	Ditch	0.06	97	Ditch	0.06	Homestead	0.06	
2044	Cultivable land	0.13	98	Homestead	0.13	Homestead	0.13	
3361	Ditch	0.18	99	Ditch	0.18	Pond	0.18	
3361	Homestead	0.19	7400	Homestead	0.19	Homestead	0.19	
2056	Road	0.87	7401	Road	0.87	Road	0.87	
2051	Cultivable land	0.11	2	Cultivable land	0.11	Cultivable land	0.11	
2051	Cultivable land	0.17	3	Cultivable land	0.17	Cultivable land	0.17	
2051	Cultivable land	0.16	4	Cultivable land	0.16	Cultivable land	0.16	
2449	Ditch	0.14	5	Cultivable land	0.14	Cultivable land	0.14	
2049	Ditch	0.04	6	Cultivable land	0.04	Cultivable land	0.04	
2049	Ditch	0.03	7	Cultivable land	0.03	Cultivable land	0.03	
2049	Ditch	0.05	8	Graveyard	0.05	Graveyard	0.05	
2050	Homestead	0.17	9	Homestead	0.17	Homestead	0.17	
2049	Ditch	0.04	10	Ditch	0.04	Homestead	0.04	
2049	Ditch	0.02	11	Ditch	0.02	Homestead	0.02	
2049	Ditch	0.07	12	Homestead	0.07	Homestead	0.07	
2049	Ditch	0.27	13	Homestead	0.27	Homestead	0.27	
2050,2075	D	0.10	14	H, Ditch	0.10	Pond	0.10	
2075	Ditch	0.07	15	Homestead	0.07	Homestead	0.07	
2076	Cultivable land	0.04	16	Homestead	0.04	Homestead	0.04	
2076	Cultivable land	0.06	17	Homestead	0.06	Homestead	0.06	
2075	Ditch	0.15	18	Homestead	0.15	Homestead	0.15	
2075	Ditch	0.06	19	Homestead	0.06	Homestead	0.06	
2077	Homestead	0.17	20	Homestead	0.17	Homestead	0.17	
2077	Homestead	0.16	21	Homestead	0.16	Homestead	0.16	
2078	Homestead	0.24	22	Homestead	0.24	Homestead	0.24	
2088	Homestead	0.13	23	Homestead	0.13	Homestead	0.13	
2088	Homestead	0.21	24	Homestead	0.21	Homestead	0.21	
2086	Cultivable land	0.16	25	Cultivable land	0.16	Cultivable land	0.16	
2086	Cultivable land	0.08	26	Cultivable land	0.08	Cultivable land	0.08	
2086	Cultivable land	0.68	27	Cultivable land	0.68	Cultivable land	0.68	
2081-2084	Ditch	0.53	28	Cultivable land	0.53	Cultivable land	0.53	
2080	Ditch	0.39	29	Cultivable land	0.39	Cultivable land	0.39	
2080	Ditch	0.46	30	Cultivable land	0.46	Cultivable land	0.46	
2079,2080	Ditch	0.13	31	Cultivable land	0.13	Cultivable land	0.13	
2079,2080	Ditch	0.05	32	Cultivable land	0.05	Cultivable land	0.05	
2069	Ditch	0.09	33	Cultivable land	0.09	Cultivable land	0.09	
2069	Ditch	0.09	34	Cultivable land	0.09	Cultivable land	0.09	

2069	Ditch	0.05	35	Cultivable land	0.05	Cultivable land	0.05	
2069	Ditch	0.13	36	Cultivable land	0.13	Cultivable land	0.13	
2069	Ditch	0.14	37	Cultivable land	0.14	Cultivable land	0.14	
2069	Ditch	0.04	38	Cultivable land	0.04	Cultivable land	0.04	
2069	Ditch	0.04	39	Cultivable land	0.04	Cultivable land	0.04	
2069	Ditch	0.04	40	Cultivable land	0.04	Cultivable land	0.04	
2069	Ditch	0.14	41	Cultivable land	0.14	Cultivable land	0.14	
2069	Ditch	0.11	42	Cultivable land	0.11	Cultivable land	0.11	
2068	Ditch	0.07	43	Cultivable land	0.07	Cultivable land	0.07	
2068	Ditch	0.06	44	Cultivable land	0.06	Cultivable land	0.06	
2065	Ditch	0.07	45	Cultivable land	0.07	Cultivable land	0.07	
2067	Ditch	0.05	46	Cultivable land	0.05	Cultivable land	0.05	
2067	Ditch	0.05	47	Cultivable land	0.05	Cultivable land	0.05	
2065	Ditch	0.06	48	Cultivable land	0.06	Cultivable land	0.06	
2065	Ditch	0.06	49	Cultivable land	0.06	Cultivable land	0.06	
2067	Ditch	0.05	50	Cultivable land	0.05	Cultivable land	0.05	
2067	Ditch	0.06	51	Cultivable land	0.06	Cultivable land	0.06	
2065	Ditch	0.07	52	Cultivable land	0.07	Cultivable land	0.07	
2065	Ditch	0.04	53	Cultivable land	0.04	Cultivable land	0.04	
2027,2030	Cultivable land	0.05	55	Cultivable land	0.05	Cultivable land	0.05	
2064	Ditch	0.05	56	Cultivable land	0.05	Cultivable land	0.05	
2064	Ditch	0.04	57	Cultivable land	0.04	Cultivable land	0.04	
2064	Ditch	0.15	58	Cultivable land	0.15	Cultivable land	0.15	
2063,2064	Ditch	0.20	59	Cultivable land	0.20	Cultivable land	0.20	
2062	Ditch	0.29	60	Cultivable land	0.29	Cultivable land	0.29	
2062	Ditch	0.09	61	Cultivable land	0.09	Cultivable land	0.09	
3364	Ditch	0.13	62	Cultivable land	0.13	Cultivable land	0.13	
2061,2062	Ditch	0.48	64	Cultivable land	0.48	Cultivable land	0.48	
3363	Cultivable land	0.11	65	Cultivable land	0.11	Cultivable land	0.11	
2041	Cultivable land	0.10	66	Cultivable land	0.10	Cultivable land	0.10	
3362	Cultivable land	0.10	67	Cultivable land	0.10	Cultivable land	0.10	
2072,3362	Cultivable land	0.15	68	Cultivable land	0.15	Cultivable land	0.15	
2073	Cultivable land	0.08	69	Cultivable land	0.08	Cultivable land	0.08	
2074	Cultivable land	0.23	70	Cultivable land	0.23	Cultivable land	0.23	
2060	Cultivable land	0.21	71	Cultivable land	0.21	Cultivable land	0.21	
2060	Cultivable land	0.22	72	Cultivable land	0.22	Cultivable land	0.22	
2061	Cultivable land	0.09	73	Cultivable land	0.09	Cultivable land	0.09	
2060	Cultivable land	0.09	74	Cultivable land	0.09	Cultivable land	0.09	
2058	Cultivable land	0.08	75	Cultivable land	0.08	Cultivable land	0.08	
2058,2069	Cultivable land	0.11	76	Cultivable land	0.11	Cultivable land	0.11	
2069	Ditch	0.14	77	Cultivable land	0.14	Cultivable land	0.14	
2069	Ditch	0.14	78	Cultivable land	0.14	Cultivable land	0.14	
2052,2053	Cultivable land	0.16	79	Cultivable land	0.16	Cultivable land	0.16	
2053	Cultivable land	0.05	80	Cultivable land	0.05	Cultivable land	0.05	
2053	Cultivable land	0.19	81	Cultivable land	0.19	Cultivable land	0.19	
2053	Cultivable land	0.19	82	Cultivable land	0.19	Cultivable land	0.19	
2053	Cultivable land	0.14	83	Cultivable land	0.14	Cultivable land	0.14	
2058	Cultivable land	0.08	84	Cultivable land	0.08	Cultivable land	0.08	
2058	Cultivable land	0.06	85	Cultivable land	0.06	Cultivable land	0.06	
2058	Cultivable land	0.11	86	Cultivable land	0.11	Cultivable land	0.11	
2058	Cultivable land	0.12	87	Cultivable land	0.12	Cultivable land	0.12	
2058	Cultivable land	0.11	88	Cultivable land	0.11	Cultivable land	0.11	
2053	Cultivable land	0.12	89	Cultivable land	0.12	Cultivable land	0.12	
2053	Cultivable land	0.14	90	Cultivable land	0.14	Cultivable land	0.14	
2054	Cultivable land	0.09	91	Cultivable land	0.09	Cultivable land	0.09	
2054	Cultivable land	0.33	92	Cultivable land	0.33	Cultivable land	0.33	
2063,2064	Ditch	0.15	93	Cultivable land	0.15	Cultivable land	0.15	
2064	Ditch	0.17	94	Cultivable land	0.17	Cultivable land	0.17	
2557	Cultivable land	0.06	95	Cultivable land	0.06	Cultivable land	0.06	
2057	Cultivable land	0.06	96	Cultivable land	0.06	Cultivable land	0.06	
2055,2057	Cultivable land	0.07	97	Cultivable land	0.07	Cultivable land	0.07	
2055,2057	Cultivable land	0.06	98	Cultivable land	0.06	Cultivable land	0.06	
2057	Cultivable land	0.34	99	Cultivable land	0.34	Cultivable land	0.34	
2278,2957	River	32.52	7500	River	32.52	River	32.52	
2957	Cultivable land	0.17	7501	Cultivable land	0.17	Cultivable land	0.17	
2403	Ditch	0.15	2	Cultivable land	0.15	Cultivable land	0.15	

2417	Cultivable land	0.23	3	Cultivable land	0.23	Cultivable land	0.23	
2415	Cultivable land	0.38	4	Cultivable land	0.38	Cultivable land	0.38	
2416	Cultivable land	0.48	5	Cultivable land	0.48	Cultivable land	0.48	
2414	Cultivable land	0.14	6	Cultivable land	0.14	Cultivable land	0.14	
2414	Cultivable land	0.20	7	Cultivable land	0.20	Cultivable land	0.20	
2403	Ditch	0.29	8	Cultivable land	0.29	Cultivable land	0.29	
2957	Ditch	0.25	9	Cultivable land	0.25	Cultivable land	0.25	
2404	Ditch	0.66	10	Cultivable land	0.66	Cultivable land	0.66	
2405	Ditch	0.25	11	Cultivable land	0.25	Cultivable land	0.25	
2413	Cultivable land	0.20	12	Cultivable land	0.20	Cultivable land	0.20	
2414	Cultivable land	0.14	13	Cultivable land	0.14	Cultivable land	0.14	
2414	Cultivable land	0.10	14	Cultivable land	0.10	Cultivable land	0.10	
2414	Cultivable land	0.13	15	Cultivable land	0.13	Cultivable land	0.13	
2413	Cultivable land	0.12	16	Cultivable land	0.12	Cultivable land	0.12	
2413	Cultivable land	0.15	17	Cultivable land	0.15	Cultivable land	0.15	
2407	Cultivable land	0.14	18	Cultivable land	0.14	Cultivable land	0.14	
2407	Cultivable land	0.20	19	Cultivable land	0.20	Cultivable land	0.20	
2407	Cultivable land	0.22	20	Cultivable land	0.22	Cultivable land	0.22	
2407	Cultivable land	0.14	21	Cultivable land	0.14	Cultivable land	0.14	
2412	Cultivable land	0.38	22	Cultivable land	0.38	Cultivable land	0.38	
2412	Cultivable land	0.26	23	Cultivable land	0.26	Cultivable land	0.26	
2410	Cultivable land	0.14	24	Cultivable land	0.14	Cultivable land	0.14	
2411	Cultivable land	0.21	25	Cultivable land	0.21	Cultivable land	0.21	
2408	Cultivable land	0.14	26	Cultivable land	0.14	Cultivable land	0.14	
2408	Cultivable land	0.16	27	Cultivable land	0.16	Cultivable land	0.16	
2408,2920	Cultivable land	0.22	28	Cultivable land	0.22	Cultivable land	0.22	
2920	Cultivable land	0.14	29	Cultivable land	0.14	Cultivable land	0.14	
2409	Cultivable land	0.17	30	Cultivable land	0.17	Cultivable land	0.17	
2409	Cultivable land	0.13	31	Cultivable land	0.13	Cultivable land	0.13	
2409	Cultivable land	0.08	32	Cultivable land	0.08	Cultivable land	0.08	
2409	Cultivable land	0.10	33	Cultivable land	0.10	Cultivable land	0.10	
2919	Cultivable land	0.18	34	Cultivable land	0.18	Cultivable land	0.18	
2919	Cultivable land	0.31	35	Cultivable land	0.31	Cultivable land	0.31	
2920	Cultivable land	0.15	36	Cultivable land	0.15	Cultivable land	0.15	
2920	Cultivable land	0.35	37	Cultivable land	0.35	Cultivable land	0.35	
2924,2925	Cultivable land	0.50	38	Cultivable land	0.50	Cultivable land	0.50	
2922	Cultivable land	0.60	39	Cultivable land	0.60	Cultivable land	0.60	
2925	Cultivable land	0.17	40	Cultivable land	0.17	Cultivable land	0.17	
2925	Cultivable land	0.17	41	Cultivable land	0.17	Cultivable land	0.17	
2925	Cultivable land	0.10	42	Cultivable land	0.10	Cultivable land	0.10	
2924	Cultivable land	0.27	43	Cultivable land	0.27	Cultivable land	0.27	
2923	Cultivable land	0.30	44	Cultivable land	0.30	Cultivable land	0.30	
2920	Cultivable land	0.11	45	Cultivable land	0.11	Cultivable land	0.11	
2923	Cultivable land	1.25	46	Cultivable land	1.25	Cultivable land	1.25	
2923	Cultivable land	0.26	47	Cultivable land	0.26	Cultivable land	0.26	
2923	Cultivable land	0.53	48	Cultivable land	0.53	Cultivable land	0.53	
2922	Cultivable land	0.23	49	Cultivable land	0.23	Cultivable land	0.23	
2922	Cultivable land	0.22	50	Cultivable land	0.22	Cultivable land	0.22	
2922,2923	Cultivable land	0.16	51	Cultivable land	0.16	Cultivable land	0.16	
2918	Cultivable land	0.30	52	Cultivable land	0.30	Cultivable land	0.30	
2918	Cultivable land	1.05	53	Cultivable land	1.05	Cultivable land	1.05	
2918	Cultivable land	0.30	54	Cultivable land	0.30	Cultivable land	0.30	
3333	Cultivable land	0.31	55	Cultivable land	0.31	Cultivable land	0.31	
2917,2918	Cultivable land	0.43	56	Cultivable land	0.43	Cultivable land	0.43	
2916	Cultivable land	0.29	57	Cultivable land	0.29	Cultivable land	0.29	
2916	Cultivable land	0.15	58	Cultivable land	0.15	Cultivable land	0.15	
2915	Cultivable land	0.11	59	Cultivable land	0.11	Cultivable land	0.11	
2915	Cultivable land	0.09	60	Cultivable land	0.09	Cultivable land	0.09	
2915	Cultivable land	0.11	61	Cultivable land	0.11	Cultivable land	0.11	
2915	Cultivable land	0.11	62	Cultivable land	0.11	Cultivable land	0.11	
2915	Cultivable land	0.38	63	Cultivable land	0.38	Cultivable land	0.38	
2914	Cultivable land	0.80	64	Cultivable land	0.80	Cultivable land	0.80	
2913	Cultivable land	0.38	65	Cultivable land	0.38	Cultivable land	0.38	
2912	Cultivable land	0.38	66	Cultivable land	0.38	Cultivable land	0.38	
3305	Cultivable land	0.56	67	Cultivable land	0.56	Cultivable land	0.56	
2911	Cultivable land	0.48	68	Cultivable land	0.48	Cultivable land	0.48	

3306	Cultivable land	0.39	69	Cultivable land	0.39	Cultivable land	0.39	
3306	Cultivable land	0.54	70	Cultivable land	0.54	Cultivable land	0.54	
2910	Cultivable land	0.52	71	Cultivable land	0.52	Cultivable land	0.52	
2910	Cultivable land	0.52	72	Cultivable land	0.52	Cultivable land	0.52	
2910	Cultivable land	0.67	73	Cultivable land	0.67	Cultivable land	0.67	
2910	Cultivable land	0.52	74	Cultivable land	0.52	Cultivable land	0.52	
2910	Cultivable land	0.23	75	Cultivable land	0.23	Cultivable land	0.23	
2910	Cultivable land	0.20	76	Cultivable land	0.20	Cultivable land	0.20	
2910	Cultivable land	0.47	77	Cultivable land	0.47	Cultivable land	0.47	
2910	Cultivable land	0.21	78	Cultivable land	0.21	Cultivable land	0.21	
2910	Cultivable land	0.22	79	Cultivable land	0.22	Cultivable land	0.22	
2910	Cultivable land	0.47	80	Cultivable land	0.47	Cultivable land	0.47	
2910	Cultivable land	0.47	81	Cultivable land	0.47	Cultivable land	0.47	
2910	Cultivable land	0.47	82	Cultivable land	0.47	Cultivable land	0.47	
2914	Cultivable land	3.25	83	Cultivable land	3.25	Cultivable land	3.25	
2915	Cultivable land	0.60	84	Cultivable land	0.60	Cultivable land	0.60	
2915	Cultivable land	0.55	85	Cultivable land	0.55	Cultivable land	0.55	
2915	Cultivable land	0.55	86	Cultivable land	0.55	Cultivable land	0.55	
2915,2916	Cultivable land	0.55	87	Cultivable land	0.55	Cultivable land	0.55	
2916	Cultivable land	0.89	88	Cultivable land	0.89	Cultivable land	0.89	
2916	Cultivable land	0.31	89	Cultivable land	0.31	Cultivable land	0.31	
2917	Cultivable land	0.34	90	Cultivable land	0.34	Cultivable land	0.34	
2917	Cultivable land	0.37	91	Cultivable land	0.37	Cultivable land	0.37	
2917	Cultivable land	0.52	92	Cultivable land	0.52	Cultivable land	0.52	
3333	Cultivable land	0.85	93	Cultivable land	0.85	Cultivable land	0.85	
2918	Cultivable land	0.79	94	Cultivable land	0.79	Cultivable land	0.79	
2918	Cultivable land	0.79	95	Cultivable land	0.79	Cultivable land	0.79	
2918	Cultivable land	0.87	96	Cultivable land	0.87	Cultivable land	0.87	
2918	Cultivable land	0.46	97	Cultivable land	0.46	Cultivable land	0.46	
2918	Cultivable land	0.30	98	Cultivable land	0.30	Cultivable land	0.30	
2918	Cultivable land	0.26	99	Cultivable land	0.26	Cultivable land	0.26	
2918	Cultivable land	0.19	7600	Cultivable land	0.19	Cultivable land	0.19	
2918	Cultivable land	0.31	7601	Cultivable land	0.31	Cultivable land	0.31	
2922	Cultivable land	0.23	2	Cultivable land	0.23	Cultivable land	0.23	
3330	Cultivable land	0.13	3	Cultivable land	0.13	Cultivable land	0.13	
3330	Cultivable land	0.08	4	Cultivable land	0.08	Cultivable land	0.08	
3330	Cultivable land	0.06	5	Cultivable land	0.06	Cultivable land	0.06	
2922	Cultivable land	0.15	6	Cultivable land	0.15	Cultivable land	0.15	
2922	Cultivable land	0.16	7	Cultivable land	0.16	Cultivable land	0.16	
2922	Cultivable land	0.16	8	Cultivable land	0.16	Cultivable land	0.16	
2922	Cultivable land	0.62	9	Cultivable land	0.62	Cultivable land	0.62	
2923	Cultivable land	2.80	10	Cultivable land	2.80	Cultivable land	2.80	
2923	Cultivable land	2.51	11	Cultivable land	2.51	Cultivable land	2.51	
2927	Cultivable land	1.20	12	Cultivable land	1.20	Cultivable land	1.20	
2921	Cultivable land	0.70	13	Cultivable land	0.70	Cultivable land	0.70	
2929,2976	Cultivable land	0.65	14	Cultivable land	0.65	Cultivable land	0.65	
2976,2977 ,2928	Cultivable land	1.76	15	Cultivable land	1.76	Cultivable land	1.76	
2976,2977 ,2928	Cultivable land	1.64	16	Cultivable land	1.64	Cultivable land	1.64	
2926	Cultivable land	0.70	17	Cultivable land	0.70	Cultivable land	0.70	
2926	Cultivable land	0.37	18	Cultivable land	0.37	Cultivable land	0.37	
2926	Cultivable land	0.48	19	Cultivable land	0.48	Cultivable land	0.48	
2929,2931	Cultivable land	0.34	20	Cultivable land	0.34	Cultivable land	0.34	
2930,2976	Cultivable land	0.15	21	Cultivable land	0.15	Cultivable land	0.15	
2929	Cultivable land	0.26	22	Cultivable land	0.26	Cultivable land	0.26	
2936,3308	Cultivable land	0.41	23	Cultivable land	0.41	Cultivable land	0.41	
2978,2977 , 2936	Cultivable land	0.54	24	Cultivable land	0.54	Cultivable land	0.54	
2936	Cultivable land	0.96	25	Cultivable land	0.96	Cultivable land	0.96	
2936	Cultivable land	1.12	26	Cultivable land	1.12	Cultivable land	1.12	
2936	Cultivable land	0.29	27	Cultivable land	0.29	Cultivable land	0.29	
2936	Cultivable land	0.15	28	Cultivable land	0.15	Cultivable land	0.15	
2936	Cultivable land	0.19	29	Cultivable land	0.19	Cultivable land	0.19	
2936	Cultivable land	0.29	30	Cultivable land	0.29	Cultivable land	0.29	

2936	Cultivable land	3.74	31	Cultivable land	3.74	Cultivable land	3.74	
2936	Cultivable land	0.17	32	Cultivable land	0.17	Cultivable land	0.17	
2936	Cultivable land	0.20	33	Cultivable land	0.20	Cultivable land	0.20	
2931	Cultivable land	0.98	34	Cultivable land	0.98	Cultivable land	0.98	
2957	Cultivable land	0.55	35	Cultivable land	0.55	Cultivable land	0.55	
2933	Cultivable land	0.25	36	Cultivable land	0.25	Cultivable land	0.25	
2957	Cultivable land	0.15	37	Cultivable land	0.15	Cultivable land	0.15	
2935,2934	Cultivable land	0.50	38	Cultivable land	0.50	Cultivable land	0.50	
2937	Cultivable land	0.26	39	Cultivable land	0.26	Cultivable land	0.26	
2939,2950	Cultivable land	0.41	40	Cultivable land	0.41	Cultivable land	0.41	
2941	Cultivable land	0.15	41	Cultivable land	0.15	Cultivable land	0.15	
2938	Cultivable land	1.62	42	Cultivable land	1.62	Cultivable land	1.62	
2938,2951	Cultivable land	0.76	43	Cultivable land	0.76	Cultivable land	0.76	
2971,2937 , 2938	Cultivable land	0.28	44	Cultivable land	0.28	Cultivable land	0.28	
2971,2937 , 2938	Cultivable land	0.94	45	Cultivable land	0.94	Cultivable land	0.94	
2971,2937 , 2938	Cultivable land	2.70	46	Cultivable land	2.70	Cultivable land	2.70	
2946,3309	Cultivable land	1.56	47	Cultivable land	1.56	Cultivable land	1.56	
2942,3409	Cultivable land	1.57	48	Cultivable land	1.57	Cultivable land	1.57	
3310,3312 , 3410	Cultivable land	3.10	49	Cultivable land	3.10	Cultivable land	3.10	
2043	Cultivable land	0.62	50	Cultivable land	0.62	Cultivable land	0.62	
2942	Cultivable land	0.19	51	Cultivable land	0.19	Cultivable land	0.19	
2944,2945	Cultivable land	0.64	52	Cultivable land	0.64	Cultivable land	0.64	
2949,2950	Cultivable land	0.60	53	Cultivable land	0.60	Cultivable land	0.60	
2951-2953	Cultivable land	0.51	54	Cultivable land	0.51	Cultivable land	0.51	
2953	Cultivable land	0.4868	55	Cultivable land	0.4868	Cultivable land	0.4868	
2949	Cultivable land	0.17	56	Cultivable land	0.17	Cultivable land	0.17	
2945	Cultivable land	0.17	57	Cultivable land	0.17	Cultivable land	0.17	
2949	Cultivable land	0.56	58	Cultivable land	0.56	Cultivable land	0.56	
2947,3411 ,2945,359 9	Cultivable land	2.58	59	Cultivable land	2.58	Cultivable land	2.58	
2948,2949 ,3412	Cultivable land	2.50	60	Cultivable land	2.50	Cultivable land	2.50	
2953	Cultivable land	0.32	61	Cultivable land	0.32	Cultivable land	0.32	
2951,2953 ,3473	Cultivable land	1.76	62	Cultivable land	1.76	Cultivable land	1.76	
2953,2854 ,3413	Cultivable land	1.18	63	Cultivable land	1.18	Cultivable land	1.18	
3424	Cultivable land	1.09	64	Cultivable land	1.09	Cultivable land	1.09	
2956	Cultivable land	0.89	65	Cultivable land	0.89	Cultivable land	0.89	
2956	Cultivable land	0.11	66	Cultivable land	0.11	Cultivable land	0.11	
2956	Cultivable land	0.15	67	Cultivable land	0.15	Cultivable land	0.15	
2956	Cultivable land	0.20	68	Cultivable land	0.20	Cultivable land	0.20	
2952	Cultivable land	0.42	69	Cultivable land	0.42	Cultivable land	0.42	
2952	Cultivable land	0.17	70	Cultivable land	0.17	Cultivable land	0.17	
2952	Cultivable land	0.44	71	Cultivable land	0.44	Cultivable land	0.44	
2955,3404	Cultivable land	0.74	72	Cultivable land	0.74	Cultivable land	0.74	
2955,3404	Cultivable land	0.38	73	Cultivable land	0.38	Cultivable land	0.38	
3414	Cultivable land	2.18	74	Cultivable land	2.18	Cultivable land	2.18	
2955,2956	Cultivable land	0.17	75	Cultivable land	0.17	Cultivable land	0.17	
2955,2956	Cultivable land	0.30	76	Cultivable land	0.30	Cultivable land	0.30	
2955,2956	Cultivable land	0.20	77	Cultivable land	0.20	Cultivable land	0.20	
295	Cultivable land	1.09	78	Cultivable land	1.09	Cultivable land	1.09	
2955,2956	Cultivable land	0.33	79	Cultivable land	0.33	Cultivable land	0.33	
2956	Cultivable land	0.41	80	Cultivable land	0.41	Cultivable land	0.41	
2956	Cultivable land	0.14	81	Cultivable land	0.14	Cultivable land	0.14	
2956	Cultivable land	0.42	82	Cultivable land	0.42	Cultivable land	0.42	
2955,2956	Cultivable land	0.11	83	Cultivable land	0.11	Cultivable land	0.11	
2956	Cultivable land	0.29	84	Cultivable land	0.29	Cultivable land	0.29	

2952	Cultivable land	0.25	85	Cultivable land	0.25	Cultivable land	0.25	
2952	Cultivable land	0.08	86	Cultivable land	0.08	Cultivable land	0.08	
2952	Cultivable land	0.31	87	Cultivable land	0.31	Cultivable land	0.31	
2971	Cultivable land	0.19	88	Cultivable land	0.19	Cultivable land	0.19	
2956	Cultivable land	0.35	89	Cultivable land	0.35	Cultivable land	0.35	
2956	Cultivable land	0.19	90	Cultivable land	0.19	Cultivable land	0.19	
2956	Cultivable land	0.59	91	Cultivable land	0.59	Cultivable land	0.59	
2956,3414	Cultivable land	1.25	92	Cultivable land	1.25	Cultivable land	1.25	
2956,3414	Cultivable land	1.30	93	Cultivable land	1.30	Cultivable land	1.30	
2956,3414	Cultivable land	0.83	94	Cultivable land	0.83	Cultivable land	0.83	
2955	Cultivable land	0.85	95	Cultivable land	0.85	Cultivable land	0.85	
2955,2956	Cultivable land	0.70	96	Cultivable land	0.70	Cultivable land	0.70	
2955,2956	Cultivable land	0.77	97	Cultivable land	0.77	Cultivable land	0.77	
2956	Cultivable land	1.04	98	Cultivable land	1.04	Cultivable land	1.04	
2971,2995	Cultivable land	0.17	99	Cultivable land	0.17	Cultivable land	0.17	
2952	Cultivable land	0.34	7700	Cultivable land	0.34	Cultivable land	0.34	
2952	Cultivable land	0.23	7701	Cultivable land	0.23	Cultivable land	0.23	
2971	Cultivable land	0.11	2	Cultivable land	0.11	Cultivable land	0.11	
2971	Cultivable land	0.08	3	Cultivable land	0.08	Cultivable land	0.08	
2952	Cultivable land	0.19	7704	Cultivable land	0.19	Cultivable land	0.19	

District: Brahmanbaria, Upazila: Asuganj, Union: Char Chartala, Mouza: Char Chartala

Cadastral Survey (CS Operation: 1957-1958)			Bangladesh Survey (BS Operation: 1995)			Survey Report,2014	
Plot no	Land Class	Total land (Acre)	Plot no	Land Class	Total land (Acre)	Land Class	Remark
2955,2956, 2952,2971	River	74.24	9001	River	74.24	River	
2971,2955, 2956	Cultivable land	3.20	2	Cultivable land	3.20	Cultivable land	
2955,2956	Cultivable land	0.75	3	Cultivable land	0.75	Cultivable land	
2955	Cultivable land	0.73	4	Cultivable land	0.73	Cultivable land	
3414	Cultivable land	1.28	5	Cultivable land	1.28	Cultivable land	
2952	Ditch	3.00	6	Cultivable land	3.00	Cultivable land	
2952	Cultivable land	0.12	7	Cultivable land	0.12	Cultivable land	
2956,2971	Cultivable land	0.12	8	Cultivable land	0.12	Cultivable land	
2956	Cultivable land	0.15	9	Cultivable land	0.15	Cultivable land	
2956	Cultivable land	0.18	10	Cultivable land	0.18	Cultivable land	
2955,2956	Cultivable land	0.22	11	Cultivable land	0.22	Cultivable land	
2956	Cultivable land	0.61	12	Cultivable land	0.61	Cultivable land	
2955,2956	Cultivable land	3.26	13	Cultivable land	3.26	Cultivable land	
2955,2956	Cultivable land	1.07	14	Cultivable land	1.07	Cultivable land	
2956	Cultivable land	0.11	15	Cultivable land	0.11	Cultivable land	
2955,2956	Ditch	3.00	16	Cultivable land	3.00	Cultivable land	
2955,2956	Cultivable land	0.02	17	Cultivable land	0.02	Cultivable land	
2955,2956	Cultivable land	0.70	18	Cultivable land	0.70	Cultivable land	
2955,2956	Cultivable land	1.53	19	Cultivable land	1.53	Cultivable land	
2956	Cultivable land	1.64	20	Cultivable land	1.64	Cultivable land	
2956-2858	River	10.16	21	River	10.16	River	
2955,2956	Cultivable land	0.35	22	Cultivable land	0.35	Cultivable land	
2955,2956	Cultivable land	2.47	23	Cultivable land	2.47	Cultivable land	
2955,2956	Cultivable land	1.58	24	Cultivable land	1.58	Cultivable land	
2955,2956	Cultivable land	2.65	25	Cultivable land	2.65	Cultivable land	
2955,2956	Cultivable land	1.47	26	Cultivable land	1.47	Cultivable land	
2955,2956	Cultivable land	0.62	27	Cultivable land	0.62	Cultivable land	
2955,2956	Cultivable land	0.62	28	Cultivable land	0.62	Cultivable land	
2955,2956	Cultivable land	2.56	29	Cultivable land	2.56	Cultivable land	
2958	Ditch	4.24	30	Cultivable land	4.24	Cultivable land	
2956	Cultivable land	0.92	31	Cultivable land	0.92	Cultivable land	
2958,3414	Cultivable land	0.96	32	Cultivable land	0.96	Cultivable land	

2958	Cultivable land	0.57	33	Cultivable land	0.57	Cultivable land	
2958	Cultivable land	0.30	34	Cultivable land	0.30	Cultivable land	
2955/3414	Cultivable land	0.30	35	Cultivable land	0.30	Cultivable land	
3414,3602	Cultivable land	0.33	36	Cultivable land	0.33	Cultivable land	
3414,3602	Cultivable land	0.63	37	Cultivable land	0.63	Cultivable land	
3414,3602	Cultivable land	0.34	38	Cultivable land	0.34	Cultivable land	
3414,3602	Cultivable land	0.68	39	Cultivable land	0.68	Cultivable land	
2958	Cultivable land	1.10	40	Cultivable land	1.10	Cultivable land	
2958,3414	Cultivable land	0.90	41	Cultivable land	0.90	Cultivable land	
2855,2956	Cultivable land	0.89	42	Cultivable land	0.89	Cultivable land	
2958,3414	Cultivable land	0.88	43	Cultivable land	0.88	Cultivable land	
2955,2956	Cultivable land	0.77	44	Cultivable land	0.77	Cultivable land	
2955,2956	Cultivable land	0.73	45	Cultivable land	0.73	Cultivable land	
2955,2956	Cultivable land	0.58	46	Cultivable land	0.58	Cultivable land	
2955,2956	Cultivable land	0.07	47	Cultivable land	0.07	Cultivable land	
2955,2956	Cultivable land	0.07	48	Cultivable land	0.07	Cultivable land	
2955,2956	Cultivable land	0.62	49	Cultivable land	0.62	Cultivable land	
2955,2956	Cultivable land	0.30	50	Cultivable land	0.30	Cultivable land	
3602	Cultivable land	1.04	51	Cultivable land	1.04	Cultivable land	
3602	Cultivable land	0.23	52	Cultivable land	0.23	Cultivable land	
3602	Cultivable land	0.18	53	Cultivable land	0.18	Cultivable land	
3602	Cultivable land	0.21	54	Cultivable land	0.21	Cultivable land	
3602	Cultivable land	0.84	55	Cultivable land	0.84	Cultivable land	
3602	Cultivable land	0.81	56	Cultivable land	0.81	Cultivable land	
3602	Cultivable land	0.83	57	Cultivable land	0.83	Cultivable land	
3602	Cultivable land	0.78	58	Cultivable land	0.78	Cultivable land	
3602	Cultivable land	1.18	59	Cultivable land	1.18	Cultivable land	
3602	Cultivable land	0.56	60	Cultivable land	0.56	Cultivable land	
3602	Cultivable land	0.52	61	Cultivable land	0.52	Cultivable land	
3602	Cultivable land	0.53	62	Cultivable land	0.53	Cultivable land	
3602	Cultivable land	1.36	63	Cultivable land	1.36	Cultivable land	
3602	Cultivable land	1.18	64	Cultivable land	1.18	Cultivable land	
3602	River	1.35	65	River	1.35	River	
3602	Cultivable land	1.25	66	Cultivable land	1.25	Cultivable land	
3602	River	1.36	67	River	1.36	River	
3602	Cultivable land	1.60	9068	Cultivable land	1.60	Cultivable land	

N.B: Total land of the mouza: 3588.42 acre, total river area of the mouza: 1398.86 acre and excluding river, the rest of mouza: 2190.007 acre

Appendix- 03: Agriculture land filled up by land grabber



Picture: Agriculture land filled up by land grabber

Appendix- 04: Proposed land port filled up by the land owners



Appendix-5: Agriculture land filled up by land owners







Picture: Agriculture land filled up by land owners

Appendix-6

Masters of Arts in Governance and Development (MAGD) Program Institute of Government Studies (IGS), BRAC University, Bangladesh

(On 3rd March, 2014 the study arranged a focus group discussion (FGD) with local stakeholders. List of the stakeholders and their individual comments in the FGD are given bellow)

A Study on the pattern of landuse change and agriculture land transformation in Bangladesh: Questionnaire/topics:

[The present study is an attempt to study the pattern of landuse change and agricultural land transformation. The research also will analyze the present land zoning process in Bangladesh. I am a student and researcher of MA in Governance and Development, Institute of Governance Studies, BRAC University. The study is being undertaken for partial fulfillment of the requirement of a Masters Degree in Governance and Development. I request you for helping me to collect some information. Your information will be used for my academic research. All kinds of cooperation from you will be highly appreciated.]

1. Land zoning project and present zoning awareness
2. Importance of the union
3. Occupation
4. Agriculture
5. Soil condition
6. Natural and man-made disaster
7. Fisheries
8. Forest
9. Population
10. Industry
11. KPI
12. River bank erosion
13. Life style
14. Sairat mohal
15. Family , kinship
16. Income sources

Annexure-6.1

Interpretation on land use, zoning, demography, socio-economic condition etc.

The FGD focused all the relevant matters of land use, zoning, demography, socio-economic condition, regarding the research. It was carried out before the union office. In the FGD, all classes of stakeholders including businessmen, farmers, school teachers, religious leaders, NGO and public representatives as well as members and chairman of the union council were present. The summary of focus group discussion (FGD) and public consultation:



Picture of Focus Group Discussion (FGD) with local stakeholders

1. Main point was that government took major portion of land for acquisition purpose for Asuganj fertilizer industry, river port, silo, power plant, GTCL, Petrobangla, Abdul Halim rail bridge, compress house of titas and bakhraabad, Vhairab bridge. As a result, the area of agriculture land declined and occupation of farmland transfer to others.
2. The Government should prioritize other occupation in exchange of agriculture and it should be industrial and commerce basis. Since, the area became exploiting as commercial and industrial use it is urgent need to take initiative for new thinking for

development. They said that after few years there will not remain any agriculture land for cultivation and people will not willingly work on cultivation due to less profit.

3. Local people are aware of environmental concern and for that they want to raise their voice against environmental degradation. Sound and vibration of fertilizer industry and power plant should be under accepted level by installing good and of best quality equipment.
4. Discharging of hot water and digging of artificial canal of power plant and fertilizer industry damages breeding natural fish varieties (viz Taky etc) of charchartala union.
5. Due to deforestation, urbanization and sound pollution birds left from the plant site area.
6. Due to rapid urbanization of the study area and grid line, plants, herbs and bushes have been reduced.
7. The quantity of agricultural crops produced in the area is not satisfactory. Local farmer cannot meet their daily and yearly demand from those crops. This is why they changed their occupation and engaged nonfarm activities specially, industry, rice mill, day labour and so on.
8. Main crops are paddy, brinjal, tomato, sweet potato, and nut. People import rice from other portion to meet their demand. This area is not self-sufficient for agricultural crops.
9. Soil fertility is not up to the mark. During rainy season, when flood occurred continuously in every year, the water of the River Meghna and flood water usually carried out silt. The agriculture land was covered with siltation which was in favor of soil fertility and crops production. Now days it is not occurring and for that the soil of this agriculture area is infertile.
10. Main disaster is drought. During droughts, deficiency of water supply from natural rainfall is the new features in this area. Drought is lasting for one to two months each year which damage agriculture crops, ecological balance and so on. Other disaster is yet to find and the trend of arsenic is minimum that is not consider to measure.
11. There is no reserve forest, community forest, government forest area. Local people planted some homestead forest surroundings their house and residents.
12. The area is suitable for catching fish. The river Meghna flow three side of the union which carries natural revering flora and fauna for biological sustainability. But, unfortunately, due to commercial use of land and changing profession, the number of

fisherman decreasing day by day. The river Meghna, few ponds and two open Jalmahal (open water bodies) to be used for catching fish.

13. Population is controlled and not increasing as country trend. People are very much concern about their life and future.
14. Ammonia is harmful for agriculture, fisheries, and ecology. Living people suffer for the ammonia when it comes out from fertilizer industry to the outside. The living animals die and ecology face problem. All fishes die.
15. Seven Key Performance Indicators (KPI) are located in the area which are Asuganj fertilizer company, power plant, GTCL, silo, Vhairab bridge, rail bridge, land port. So, the place is very much important for the country of Bangladesh.
16. According to the upazilla agriculture office, the charchartala union has 36 boiler based rice husking mills. A large number of man and woman labors work in mills. They work from seasonal basis and contacted with the whole process of boiling. Paddy come from different part of the country and process here for making rice then transfer for sell and business. They come from adjacent low-lying and haor areas. Educated go to the capital city.
17. Rice mill businesses, contractors, are the main occupation of the people of this area.
18. Foreign remittance is high especially for technical labor. During the construction of fertilizer industry, power plant, Vhairab Bridge and other KPI, the local potential people worked in those construction process and build up capacity in technical knowledge. With those knowledge most of them went to abroad and worked in mill and industries with a higher demand and standard salaries. In resulting, they earn sufficient foreign currency from abroad.
19. Fish breeding and the flora and fauna of the area should be saved.

S.L	Date	Name of Stakeholder & designation	Comments
1		Md Ayub Khan UP Chairman Char Chartala Union Phone 01718215936	<ol style="list-style-type: none"> 1. Sound and vibration of fertilizer industry and Power Plant should be controlled and we have to raise voice for environment protection. 2. Hot water and digging of artificial canal of power plant and fertilizer industry damages breeding natural fish 3. Urbanization reduces grid line, plants, herbs and bushes in the area. 4. Local people changed their occupation from farm to non-farm due to less production of crops. 5. Ammonia is harmful for agriculture, fisheries, and ecology.
2		Md Asikur Rahman Secretary Char Chartala Union Phone 01719354047	Main crops are paddy, brinjal, tomato, sweet potato, and nut. People import rice from other portion to meet their demand
3		Md Kutub Mia UP Member Char Chartala Union Phone 01759129622	land acquisition purpose for Asuganj fertilizer industry, under construction of river port, silo, power plant, GTCL, petrobangla, Abdul Halim rail bridge, compress house of titas and bakhrabad, Bhairab bridge decreased the number of agriculture land
4		Md Sohraf Mia UP Member Char Chartala Union Phone 01726040603	Homestead forest
5		Md Faizur Rahman UP Member Char Chartala Union Phone 01712417142	36 boiler based rice husking mills. Workers are from outside of the district.

6	Mst. Masuda Begum UP Member Char Chartala Union Phone 01759116261	No Comments
7	Md tajul Islam UP Member Char Chartala Union Phone 01719082873	Rice mill, contractors, are the main occupation of the people of this area
8	Mst. Sajeda UP Member Char Chartala Union Phone 01719082873	No Comments
9	Mst Hafeza Char Chartala Union	No Comments
10	Mst. Shilpi Akter Char Chartala Union Phone 01747761087	No Comments
11	Md Fazlur Rahman Char Chartala Union	Positive impact on education and employment
12	Jogodish Bishwas Char Chartala Union Phone 01742689160	Foreign remittance especially for technical knowledge from KPI works experiences.
13	Md Sohid Mia Char Chartala Union	No Comments
14	Moulana Ziaur Rahman Char Chartala Union	No Comments
15	Md Habibur Rahman Char Chartala Union Phone 01711263924	No Comments
16	Md Tanvir Char Chartala Union	The area became exploiting as commercial and industrial use it is urgent need to take initiative for new thinking for

		01929415012	development.
17		Mst. Rozina Char Chartala Union	No Comments
18		Md Abu Taher Mia Char Chartala Union	Fish breeding need to be saved

Appendix-7

Masters of Arts in Governance and Development (MAGD) Program Institute of Government Studies (IGS) BRAC University, Bangladesh

A Study on the pattern of landuse change and agriculture land transformation in Bangladesh: Unstructured questionnaire:

[The present study is an attempt to study the pattern of landuse change and agricultural land transformation. The research also will analyze the present land zoning process in Bangladesh. I am a student and researcher of MA in Governance and Development, Institute of Governance Studies, BRAC University. The study is being undertaken for partial fulfillment of the requirement of a Masters Degree in Governance and Development. I request you for helping me to collect some information. Your information will be used for my academic research. All kinds of cooperation from you will be highly appreciated.]

Part A. Informant's basic information

1. Name:
2. Designation:
3. Address:


PART-2: Research related information

1. What do you mean by land zoning?
2. Is the project working for preparing zoning or preserving cultivated and other land?
3. What are the basic differences of objectives of zoning in developed countries and Bangladesh?
4. What are the basic elements or tools of zoning project?
5. How the land zoning save our agriculture land?
6. Will the government consider making a policy regarding zoning?
7. Does the zoning project cover the whole area of the country?
8. Is there any effect of zoning where the project completed?
9. What should be happen to landless or poor farmer those have only a single part of land and will not permit to change after zoning process?

10. Do you think the zoning system will be accepted by people in the country whether the coastal land zoning policy could not implement?
11. Do you think the engagement of civil society, stakeholders, beneficiaries etc. is insufficient to make the system more participatory and risk free?
12. How the government will take strategy to mitigate litigations of various problems regarding zoning?
13. How the zoning system will implement in the country?
14. What should be the punitive measure for violating the laws while implement?
15. What is your responsibility in the project?



Appendix-7.1: Comments of KII on land use and zoning

S.N	Name of Key Informants & Designation	Photograph	Comment
01	<p>Md. Muazzem Hossain Ex-Project Director Additional Secretary Ministry of Land Phone (o) : 9540137 E-mail: additionalsecretary@minland.gov.bd hossainmuazzem@gmail.com</p>		<p>The project was started to save agriculture land from unplanned use and it was stopped for some days on account of ‘Aerial bill’ chaos and government decided that zoning may create some effect on human rights. Because people will not permit to use their own land in spite of their freedom. Over all, the zoning system must save our nations from danger zone to sustainable use of land</p>
02	<p>Md Abdul Hay Ex-Project Director (Joint Secretary) Director, BCIC abdulhyebcs@yahoo.com</p>		<p>Land zoning is a new concept for Bangladesh. Expanding utilization of land and her tremendous pressure on population, food, and environment demanded the zoning policy. Zoning does not ensure the planned land use like developed countries or resistance of present land management rather than it influence mass people to utilize land in efficient ways. Zoning does not make plan for planned urban or village area rather than it insist people not degrade and destroy cultivated land for the next generation. After completion of the project, the government will make a policy for country wide and preserve its data centrally for instituting storing tools.</p>


03	<p>Mr. Md. Shahadat Hossain Project Director (Joint Secretary) of land zoning project, Ministry of Land Cell-01731080154 E-mail: pd@landzoning.gov.bd</p>		Newly appointed
04	<p>Sakhwat Hossain Sr. Land use Planner Land Zoning Project Ministry of Land Cell- 01716017965 E-mail: sakhawat@landzoning.gov.bd</p>		<p>Land Zoning is the demarcation of geographic areas with specific combinations of properties or features used as per criteria only.</p> <p>Local government especially Upazila porishod, as an ownership of government authority, will implement the land use plan based on their socio-economic condition. The local authority will rule there are based on policy and for these the government will strengthens the local body appointing professional and technical expert.</p> <p>First of all, the project is examining for specific area than prepare some maps based on land topography, suitability, crop suitability, environment, riverine, forest condition etc. by the assistance of GIS, LGED map and ground truthing. Then the area identify as a specific preservation or zone area.</p> <p>The project of zoning will make countrywide map and handover to the government for their implementation through formulation a policy.</p> <p>Presently, the project carrying out district level workshop and started work with the help of local</p>

			<p>administration.</p> <p>The project disseminates up to union level. The project does not make a new map, it identify the agriculture, forest, fishing, urban, tourism, industrial etc. zone within the combined map of GIS and LGED map.</p> <p>The project is not going for details and for that it does not included the whole thing like mouza maps, demography, socio-economic conditions and so on.</p> <p>The zoning map can be used as planning tools for the government.</p> <p>From the projects and its output and recommendations agriculture land will be saved, environment will be protected, land use conflict will be dissolved and finally agro-fisheries-forest base country like Bangladesh will shape a wealthy nation with sustainable development.</p> <p>The developers, land grabbers, evil person may hamper or make resistance of the implementation of the project, but in considering the better future of the country the awareness and participation of all stakeholders can make system more fruitful.</p> <p>The farmers want to implement the project for saving their cultivated land from land grabbers and developers in the semi-urban and rural areas.</p>
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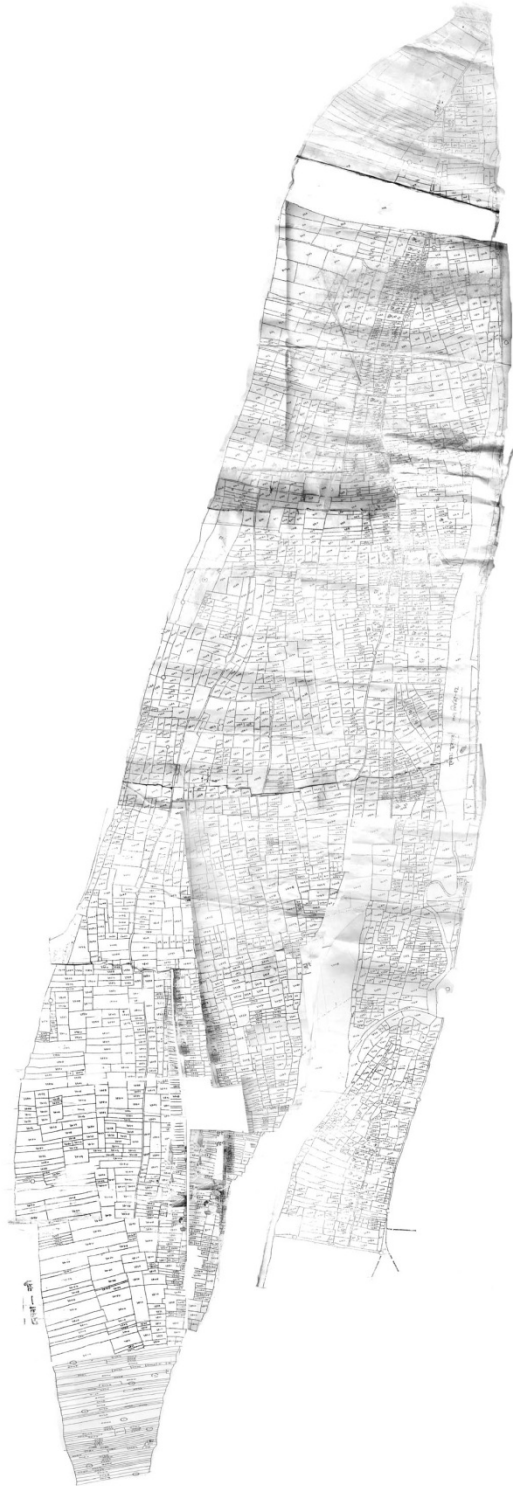
	<p>Nazrul Islam Team leader Land Zoning Project Ministry of Land</p>		<p>The project works for rural zoning because urban zoning implemented in developed countries. Our zoning objectives are different from them. Our cultivated land is declining day by day for non-agriculture use. We are using satellite image for primary land use pattern. The policy will formulate for the countrywide so that unplanned land use could not hamper the living environment of the next generation. We are working for ground truthing for the validation of GIS, since the satellite images are previous or old. We may find crops in GIS map but during ground truthing, the place can be found as fallow due to time dynamic. The main function is to demark of land based on topography, use and sustainability. The decision will implement by the local authority after consolidation of maps and formulation of policy. We also declare some mixed area considering various characteristic of land use. We are not discouraging development but imposes rational and planned development.</p>
05	<p>S M Atikullah Agriculture Specialist land zoning project, Ministry of Land</p>		<p>The agriculture study of zoning project is very specific. We are gathering information from agriculture department of Upazila and correlate them with the GIS map and suggest the area whether it can declare as agriculture land or not. We also test soil and crops suitability and land types of a union level. Finally submit data to the land authority to further action.</p>
06	<p>Md Mahbubur Rahman GIS & Remote Sensing</p>		<p>GIS maps are used for land use and compare to ground truthing for zoning of land. Most cases</p>

	Specialist land zoning project, Ministry of Land		latest GIS map cannot use due to getting update map.
07	Sondip Kumar Singha Upazila Nirbahi Officer Asuganj, Brahmanbaria Telephone: 08528-74522 Mobile: 01780072277 E-mail: unoashuganj@mopa.gov.bd		The land zoning will save agriculture land from unplanned use. The zoning may help to use the all types of land in a systematic way. The public and private acquirement may consider the zoning law. The local authority will empower by this policy and impact of planning of an area will be taken into consideration by zoning. The people's awareness must be considered to reduce any barricade from them and planning use of land is mandatory for the country like Bangladesh.
08	Akterunnesa Assistant Commissioner (Land) Asuganj, Brahmanbaria Telephone: 0852-874003 Mobile: 01718906409 E-mail: rupanta6@gmail.com		The Charchartala union has rapid change from cultivate to semi-urban area last few decades. The people of the area do not consider the existing law for converting their land from agriculture to other use.

09	<p>Md Rafiqul Islam Surveyor, AC Land office Asuganj, Brahmanbaria Mobile: 01925202420</p>		<p>After the SA operation the area changed rapidly and the government acquisition for KPI, most of cultivated land was used and for that the agriculture land decline with a large area.</p>
10	<p>Abdur Roshid Sub-Assistant Settlement Officer Brahmanbaria Mobile: 01717650361</p>		<p>The area of Charchartala will fill up within short time due to governmental development project and transformation of profession of local people of that area.</p>
11	<p>Md Hafizur Rahman Draftsman Settlement Office, Brahmanbaria Mobile: 01191584764</p>		<p>Engaging in the BS survey process it can be said that after few years the area will cover urbanization and development activities. No agriculture land will find for cultivation.</p>
12	<p>Juel Rana Agriculture Extension Officer Upazila Agriculture Office Asuganj, Brahmanbaria Mobile: 01716017856</p>		<p>The product of agriculture crops is declining year after year due to decreasing nature of crop land. Land developers and businessman are bringing top soil of fertile land as a result a number of crop land are remaining fallow. Besides these, many species of crops are not produced today due to most cost and less output.</p>
13	<p>Narayan Chandra Das Sub-Assistant Agriculture Officer Asuganj, Brahmanbaria Mobile: 01813154520</p>		<p>Once upon a time, the area was full of paddy and seasonal crops. Today, limited number of crops to be produced in charchartala union. Due to loss, farmers changed their crops pattern in umber.</p>

14	<p>Md Sohikul Islam Upazila Fisheries Officer Asuganj, Brahmanbaria Mobile: 01716664756</p>		<p>Due to fill up the swamp, ditch and watering area the fishes don't have any place for living, breathing and hatching. Likewise, the poisoning and wastages of industries goes to the watering area and kill them dramatically. The ammonia of fertilizer industry kills the surroundings fishes every month of the area.</p>

S A Mouza Map -1958



B S Mouza Map -1995

