

PROJECT REPORT

ON

IMPLEMENTATION OF RELATIONAL DATABASE SYSTEM FOR CADSTRAL INFORMATION PRODUCTION

(A CASE STUDY OF PART OF IREWOLEDE ESTATE, ALONG NEW YIDI ROAD, ILORIN WEST LOCAL GOVERNMENT, KWARA STATE.)

BY:

YUNUS ZAINAB TITILAYO HND/23/SGI/FT/0049

BEING A RESEARCH PROJECT SUBMITTED TO THE DEPARTMENT OF SURVEYING AND GEO-INFORMATICS INSTITUTE OF ENVIRONMENTAL STUDIES

IN PARTIAL FUFILMENT OF THE REQUIRMENT FOR THE AWARD OF HIGHER NATIONAL DIPLOMA (HND) IN SURVEYING AND GEO-INFORMATICS

CERTIFICATE

I hereby certify that all the information contained in this project report was obtained as a result
of the observations and measurements made by me on the field and that the survey was executed in
accordance with survey rules, regulations and departmental instructions.
••••••
YUNUS ZAINAB TITILAYO
DATE

CERTIFICATION

This is to certify that YUNUS ZAINAB TITILAYO with Matric No HND/23/SGI/FT/0049 has

satisfactorily carried out the survey duties contained in

this project report under my instructions and direct supervision.

I hereby declare that he has conducted himself with the due diligence, honesty and sobriety on the said duties.

SURV. AWOLEYE . R.S (SUPERVISOR)	DATE:
MR. ISAU IBRAHIM ABIMBOLA (H.O.D)	DATE:
SURV. AWOLEYE. R.S (PROJECT COORDINATOR)	DATE:
EXTERNAL SUPERVISOR	DATE:

DEDICATION

I dedicate this project to God Almighty, for His grace, wisdom, and strength throughout this journey.

To my parents, for their endless support, love, and encouragement.

And to everyone who believed in me even when I doubted myself this is for you.

ACKNOWLEDGEMENTS

All glory, praise and adoration be to the author and the finisher of my faith, the ancient of days and Almighty Allah I return all praise, my appreciation goes to my supervisor SURV. AWOLEYE. R.S for his enormous contribution and supervision and making sure that the project is successful.

My greetings also goes to the head of department in person of MR. ISAU IBRAHIM ABIMBOLA.

My special greetings and thanks to the staff of the department of surveying and Geoinformatics that stand with me SURV. AREMU. A.G, SURV. AYUBA. A, SURV.BELLO DIRAN, SURV. AKINYEDE. A.O, SURV.KABIR. B, SURV.KAZEEM. W

Also my sincere appreciation goes to my Aunt (MRS HABEEB) for her support both spiritual, physically, financially and word of encouragement towards the success of my academic pursuit. Ashabi mi I say a big jazakumullahu khairan.

Appreciation goes to my grand parents (ALHAJI&ALHAJA SANNI) my sincere appreciation goes to (MRS IBRAHIM) and all (ISHOLA'S FAMILY).

My special greetings to (SAN) for her care, support both financially and emotionally may you live long to eat the fruit of your labor.

My profound attitude goes to my sisters and friends Islamiyat Ajoke, Aminat, Halimah, Tolu, Imam Zuglool and all I can't mention Thank you all.

YUNUS ZAINAB TITILAYO JUNE 2025

ABSTRACT

Analogue Cadastre consists of paper maps and land register which have difficulties during development and updating. The study was aimed at creating a digital Cadastral Information System (CIS) A CASE STUDY OF PART OF IREWOLEDE ESTATE, ALONG NEW YIDI ROAD, ILORIN WEST LOCAL GOVERNMENT, KWARA STATE The spatial and non spatial data used are local coordinates of the land parcels and entity information obtained from Office of the Surveyor General, Yola. The local coordinates were transformed to Universal Traverse Mercator (UTM) coordinate system using EXCEL spreadsheet and were used in plotting the digital Map in ArcGIS 10.1. The database design was done in phases which include the conceptual design, the logical design, the physical design, and the implementation of the database system. The attribute data were linked with the spatial data to build the digital CIS and some queries were performed to test the efficacy of the database. The study has established the capability of CIS in handling of spatial and non spatial data. It is recommended that the digital CIS be adopted for proper record keeping and updating.

TABLE OF CONTENTS

Title Page	1
Certificate	II
Certification	III
Dedication	IV
Acknowledgement	V
Abstract	VI
Table of Contents	VII
List of Tables	VIII
List of Figures	IX
Appendixes	X

CHAPTER ONE

1.0	INTRODUCTION
1.1	BACKGROUND TO THE STUDY2
1.2 S	TATEMENT OF PROBLEM11
1.3 A	IM AND OBJECTIVES OF THE PROJECT11
1.3.1	AIM11
1.3.2	OBJECTIVES12
1.4 S	COPE OF THE PROJECT12
1.5 P	ERSONNEL
1.6 S	ΓUDY AREA13
СНА	PTER TWO
2.0	LITERATURE REVIEW14
СНА	PTER THREE
3.0	METHODOLOGY35
3.1	DATABASE DESIGN35
3.1.1	VIEW OF REALITY36
3.1.2	CONCEPTUAL DESIGN36
3.1.3	LOGICAL DESIGN37
3.2	DATA SOURCE37
3.3D	ATA ACQUISITION37

3.3.1	RECONNAISSANCE38	
3.3.1.1	OFFICE PLANNING38	
3.3.1.2	FIELDRECONNAISSANCE	
3.3.2 S	YSTEM SELECTION39	
3.3.3	CONTROL POINTS CHECK40	
3.3.4	PROCESS OF CHECKING CONTROL POINT40	
3.5	GEOMETRIC DATA ACQUISITION40	
3.5.1 Т	RAVERSING WITH TOTAL STATION40	
3.5.2	DETAILING41	
3.3.5.3	ATTRIBUTE DATA ACQUISITION41	
3.4	PLOTTING/SCRIPT RUNNING	2
3.4.1 <i>A</i>	DDING AND GEO-REFERENCING OF DOWNLOADED	
IMAG	ERIES42	
3.4.2	DIGITIZING OF THE EXISTING MAP42	
3.5	ATTRIBUTE DATA43	
3.6	GROUND TRUTHING43	
3.7	CHANGES DETECTION43	
3.8	MAP UPDATING44	
3.9	OVERLAY OPERATION45	
3.10	PHYSICAL DESIGN25	

3.10.1	DATABASE IMPLEMENTATION46
3.10.2	DATA MANAGEMENT SYSTEM46
3.10.3	DATA SECURITY46
3.10.4	DATA INTEGRITY47
3.10.5	DATABASE MAINTAINANCE47
СНАІ	PTER FOUR
4.0	SPATIAL ANALYSIS AND INFORMATION PRESENTATION48
4.1	SPATIAL ANALYSIS49
4.2	QUERY AND PRESENTATION OF ANALYSIS50
4.2.1	QUERIES51
4.2.2	PRESENTATION OF ANALYSIS
4.3	CRITERION QUERY52
4.3.1	SINGLE CRITERION QUERY52
4.3.2	THE MULTIPLE CRITERIA QUERY53
4.3.3	ANALYSIS ONE (SINGLE CRITERIA QUERY)53
4.3.4 A	ANALYSIS TWO (SINGLE CRITERIA QUERY)54
4.3.5 A	ANALYSIS THREE (MULTIPLE CRITERIA QUERY)54
4.4 TE	ESTING OF DATABASE54
4.4.1 V	WHY DO WE TEST A DATABASE55

4.4.2]	DATA INTEGRITY	55
4.4.3]	HOW TO TEST (DATABASE TESTING PROCESS)	56
4.5 Al	PPLICATION PROJECT	56
CHA	PTER FIVE	
5.0	COSTING, PROBLEMS ENCOUNTERED, RECOMMENDATION	ONS AND
	CONCLUSION	57
5.0	COSTING	57
5.1	SUMMARY	58
5.2	PROBLEMS ENCOUNTERED	60
5.3 RI	ECOMMENDATIONS	61
5.4 CO	ONCLUSION	61
REFE	ERENCES	

APPENDIXES

Appendix I:	Boundary of the Perimeter Survey	
Appendix II:	Coordinates of all Features that existed within the project area	
	LIST OF TABLES	
Table 3.1:- Showing the Easting, Northing and Height coordinates of the control points		
Table 3.2:- Colli	imation test for the Total Station (Field Observation)	
Table 3.3:- In-si	tu Check	
Table 3.4: - Control Points of the entire Boundary Pillars		
Table 3.5:- P	rimary datasets for implementation of relational database of Irewolede Estate, Ilorin	
Table 5.1:- Co	sting of the project.	

LIST OF FIGURES

Fig. 1: The Study Area

Figure.2: Flowchart and procedure for the study

Figure.3 Designs and Construction Phase of Spatial Database

Figure.4 Entity Relationship diagram of building data base information system

Figure.5: Node Entity and its Attribute

Figure.6: Arc Entity and its Attributes

Figure .7: Building Entity and its Attributes

Figure .8: Creation of Building Entity and its Attributes

Figure .9: Showing the satellite imagery of the study area acquired

Figure .10: Recce diagram (not drawn to scale)

Figure .11: Georeferencing menu tool indicating the Add contol points and view link table

Figure .12: dialog window for coordinates of corresponding X and Y on the ground

Figure .13: dialog window for a click made on "update geo-referencing"

Figure .14: Accessing the Editor Tool

Figure .15: Editor Tool menu

Figure .16: Create Feature dialog box

Figure .17: (Satellite imagery, January 15, 2011)

Figure .18: Digitized existing map of the study area (January 15, 2011)

Figure .19: Updated map of the study area (July 15, 2021)

Figure .20: survey plan plotted from field data

Figure .21: overlaid survey plan plotted from field data on Satellite imagery

- Figure 22: Attribute table (relational database) for the buildings within the study area created using ArcGIS
- Figure 23: Showing results for buildings that are completed within the study area
- Figure 24: Query of Building that is allocated to female occupants in the layout
- Figure 25: Query of buildings that are bungalow with cream and ash colour

CHAPTER ONE

1.0 INTRODUCTION

Implementing a Relational Database System for Cadastral Information Production

Efficient and reliable management of cadastral information is crucial for land administration, urban planning, property taxation, and overall socio-economic development. Traditional methods of managing cadastral data, often involving paper-based records and disparate systems, are prone to inefficiencies, errors, data redundancy, and difficulties in information retrieval and sharing. These limitations hinder effective land governance and can impede sustainable development.

To overcome these challenges, the implementation of a relational database system for cadastral information production offers a robust and modern solution. A relational database provides a structured and organized approach to storing, managing, and accessing land-related data, ensuring data integrity, consistency, and efficient retrieval.

This initiative focuses on establishing a centralized and integrated system that leverages the power of relational database technology to streamline the entire cadastral information production lifecycle. This includes processes such as land surveying, parcel identification, ownership registration, boundary demarcation, and the generation of cadastral maps and reports.

By adopting a relational database system, we aim to achieve significant improvements in:

- 1.0.1 Data Accuracy and Integrity: Ensuring reliable and consistent cadastral information through defined data structures, validation rules, and reduced data redundancy.
- 1.0.2 Data Accessibility and Sharing: Facilitating easy and secure access to cadastral information for authorized users across different departments and agencies.
- 1.0.3 Operational Efficiency: Automating data management tasks, streamlining workflows, and reducing the time and resources required for information production and retrieval.

- 1.0.4 Improved Decision-Making: Providing accurate and up-to-date cadastral information to support informed land-use planning, infrastructure development, and dispute resolution.
- 1.0.5 Enhanced Transparency and Accountability: Establishing a clear and auditable system for managing land records, promoting transparency in land administration.
- 1.0.6 Scalability and Flexibility: Creating a system that can adapt to future growth in cadastral data and evolving information needs.

This document outlines the rationale, objectives, key components, and expected benefits of implementing a relational database system for cadastral information production. It underscores the critical role this system will play in modernizing land administration practices and fostering sustainable development within [mention the specific region or context, e.g., Shaki, Oyo, Nigeria]. By embracing this technological advancement, we can unlock the full potential of cadastral information for the benefit of individuals, organizations, and the nation as a whole.

1.1 BACKGROUND TO THE STUDY

The management of cadastral information in Shaki, Oyo, Nigeria, like many other regions in developing countries, has historically faced significant challenges rooted in traditional, often manual, record-keeping practices. These methods typically involve paper-based registers, hand-drawn maps, and fragmented data storage across various government agencies. This approach has led to a number of critical issues that hinder efficient land administration and sustainable development within the local context.

1.1.1 Existing Challenges with Traditional Cadastral Information Management in Shaki:

Data Fragmentation and Siloing: Cadastral information related to land ownership, boundaries, and property attributes is often dispersed across different departments (e.g., land registry, survey department, local government offices). This lack of integration makes it difficult to obtain a comprehensive and unified view of land parcels.

- I. Data Inaccuracy and Inconsistency: Manual data entry and the absence of standardized formats contribute to errors, inconsistencies, and discrepancies in cadastral records. This can lead to land disputes, boundary conflicts, and unreliable information for planning and decision-making.
- II. Inefficient Information Retrieval and Sharing: Locating and accessing cadastral information through paper-based systems is time-consuming and labor-intensive.

Sharing information between different agencies or with the public is often cumbersome and inefficient, hindering inter-agency collaboration and transparency.

- III. Data Redundancy: The lack of a centralized system often results in the duplication of cadastral information across different records and departments, leading to wasted resources and potential inconsistencies.
- IV. Security and Preservation Risks: Physical records are vulnerable to damage, loss, and unauthorized alteration. Inadequate storage facilities and lack of proper archiving procedures pose a significant risk to the long-term preservation of vital cadastral information.
- V. Limited Analytical Capabilities: Traditional systems offer limited capabilities for data analysis, spatial querying, and the generation of comprehensive reports needed for effective land-use planning, infrastructure development, and revenue generation.
- VI. Challenges in Scalability and Updates: As the population grows and land development increases in Shaki, manual systems struggle to cope with the increasing volume of cadastral data and the need for frequent updates and modifications.

1.1.2 The Need for Modernization:

Recognizing these limitations, there is a growing awareness within the Oyo State government and specifically in Shaki of the urgent need to modernize the cadastral information management system. An efficient and reliable cadastral system is fundamental for:

- I. Securing Property Rights: Providing clear and legally recognized land titles, fostering investment and economic growth.
- II. Facilitating Land Transactions: Streamlining the process of buying, selling, and transferring land, reducing transaction costs and time.
- III. Supporting Urban and Rural Planning: Providing accurate spatial data for informed land-use planning, infrastructure development, and environmental management.
- IV. Improving Revenue Collection: Enabling accurate property valuation and taxation, boosting local government revenue.
- V. Resolving Land Disputes: Providing reliable evidence for resolving boundary conflicts and ownership claims.

VI. Promoting Good Governance: Enhancing transparency and accountability in land administration.

1 1.3 The Proposed Solution: A Relational Database System:

The implementation of a relational database system for cadastral information production in Shaki offers a promising solution to address the aforementioned challenges. A well-designed relational database can provide a structured, organized, and integrated platform for managing all aspects of cadastral data. This technology offers the potential to:

- I. Centralize Data Storage: Consolidating all cadastral information into a single, accessible database.
- II. Enforce Data Integrity: Implementing data validation rules and relationships to ensure accuracy and consistency.
- III. Facilitate Efficient Data Retrieval and Querying: Enabling quick and easy access to specific cadastral information.
- IV. Support Spatial Data Management: Integrating geographic information system (GIS) capabilities for managing and visualizing spatial data related to land parcels.
- V. Enhance Data Security and Backup: Implementing security measures and data backup procedures to protect valuable cadastral information.
- VI. Enable Data Analysis and Reporting: Providing tools for generating reports and conducting spatial analysis for informed decision-making.
- VII. Improve Scalability and Flexibility: Allowing the system to adapt to future growth and evolving needs.

Therefore, this study is motivated by the pressing need to transition from inefficient traditional methods to a modern, technology-driven approach for managing cadastral information in Shaki, Oyo, Nigeria. The implementation of a relational database system is envisioned as a critical step towards improving land administration, fostering economic development, and promoting sustainable land management practices within the region.

1.1.3 Problem Statement: Inefficiencies and Limitations of the Existing Cadastral Information Management System in Shaki, Oyo, Nigeria

Despite its crucial role in land administration and socio-economic development, the current system for managing cadastral information in Shaki, Oyo, Nigeria, suffers from significant inefficiencies and limitations stemming primarily from its reliance on manual and fragmented processes. These shortcomings directly impede effective land governance, hinder economic activities, and create challenges for sustainable development within the local context.

1.1.4 Specific Problems Arising from the Existing System:

- I. Prolonged Cadastral Processes: The manual nature of surveying, registration, and record-keeping leads to lengthy processing times for land transactions, title registration, and obtaining cadastral maps. This delays development projects, discourages investment, and increases transaction costs for citizens.
- II. Increased Risk of Land Disputes: Inaccurate and inconsistent boundary records, coupled with difficulties in accessing historical information, contribute to a higher incidence of land disputes. Resolving these disputes through the current system is often protracted and resource-intensive.
- III. Limited Transparency and Accountability: The lack of a centralized and easily accessible system makes it difficult for citizens and stakeholders to access information about land ownership and boundaries, potentially fostering opacity and hindering accountability in land administration processes.
- IV. Challenges in Land-Use Planning and Management: The difficulty in obtaining accurate and up-to-date spatial data on land parcels hinders effective land-use planning, infrastructure development, and environmental management initiatives. Planners lack the comprehensive information needed for informed decision-making.
- V. Revenue Leakage: Inaccurate property records and inefficient valuation processes can lead to underassessment and leakage in property tax collection, impacting the local government's revenue generation capacity.
- VI. Difficulties in Data Integration and Interoperability: The lack of a standardized digital platform makes it challenging to integrate cadastral information with other relevant datasets held by different government agencies (e.g., infrastructure, utilities, environmental data). This lack of interoperability limits the potential for holistic planning and analysis.
- VI. Vulnerability to Data Loss and Damage: Physical records are susceptible to fire, floods, pests, and general deterioration, posing a significant risk to the long-term

preservation of critical cadastral information. The absence of robust backup and disaster recovery mechanisms further exacerbates this vulnerability.

VII. Strain on Human Resources: Managing a manual system requires significant manpower for tasks such as data entry, record retrieval, and map handling. This can be inefficient and divert human resources from more strategic tasks.

VIII. Inability to Support Modern Technologies: The current system lacks the infrastructure to effectively integrate with modern technologies such as Geographic Information Systems (GIS), remote sensing, and online portals, limiting the potential for advanced spatial analysis, visualization, and service delivery.

1.1.5 The Need for a Paradigm Shift:

These persistent problems underscore the urgent need for a paradigm shift in how cadastral information is managed in Shaki. The limitations of the existing system are not merely administrative inconveniences; they have tangible negative impacts on economic growth, social stability, and sustainable development within the region.

Therefore, the implementation of a relational database system is not just a technological upgrade; it represents a strategic imperative to overcome these deeprooted challenges and establish a modern, efficient, transparent, and reliable foundation for cadastral information production and management in Shaki, Oyo, Nigeria. This transition is crucial for unlocking the full potential of land resources and fostering a more prosperous and equitable future for the community.

1.1.6 Justification for Implementing a Relational Database System for Cadastral Information Production in Shaki, Oyo, Nigeria

The decision to advocate for and study the implementation of a relational database system for cadastral information production in Shaki, Oyo, Nigeria, is firmly grounded in a compelling set of justifications. These justifications highlight the significant benefits that such a system can bring to various aspects of land administration, governance, and socio-economic development within the local context.

1.1.7 Key Reasons for Implementing a Relational Database System:

I. Addressing Critical Inefficiencies: As outlined in the problem statement, the current manual system is riddled with inefficiencies that hinder the smooth functioning of land administration processes. A relational database system offers the potential to automate tasks, streamline workflows, and significantly reduce processing times for crucial cadastral activities.

- II. Improving Data Quality and Reliability: The structured nature of a relational database, coupled with built-in data validation rules and integrity constraints, will significantly enhance the accuracy and consistency of cadastral information. This reduction in errors will minimize land disputes and provide a more reliable foundation for decision-making.
- III. Enhancing Accessibility and Information Sharing: A centralized digital database will facilitate easy and secure access to cadastral information for authorized users across different government agencies, departments, and potentially even the public (with appropriate access controls). This improved information sharing will foster better inter-agency collaboration and transparency.
- IV. Strengthening Land Tenure Security: Accurate and readily available cadastral records are fundamental for establishing and securing property rights. A relational database system will contribute to a more transparent and reliable land registration process, reducing ambiguity and strengthening tenure security for landowners.
- V. Supporting Effective Land-Use Planning and Management: Access to comprehensive and spatially referenced cadastral data within a relational database will empower urban and rural planners with the information they need to make informed decisions regarding land allocation, infrastructure development, and environmental protection. GIS integration will further enhance spatial analysis capabilities.
- VI. Boosting Revenue Generation: Accurate property records and efficient valuation processes facilitated by a relational database system will lead to more effective property tax assessment and collection, thereby increasing the local government's revenue base.
- VII. Reducing Land Disputes and Litigation: Reliable boundary information and transparent ownership records will help prevent land disputes from arising in the first place. When disputes do occur, the availability of accurate historical data within the database will facilitate faster and more equitable resolution.
- VIII. Improving Transparency and Accountability in Land Administration: A well-managed digital system with audit trails will enhance transparency in land transactions and administrative processes, making it easier to track land ownership changes and hold relevant authorities accountable.

IX. Facilitating Integration with Other Systems: A relational database can be designed to integrate with other government information systems (e.g., tax records, utility management, infrastructure planning), creating a more holistic and interconnected data ecosystem for improved governance.

X. Ensuring Long-Term Data Preservation and Security: Digital storage within a well-maintained database environment offers superior data preservation capabilities compared to physical records. Robust security measures and backup protocols can be implemented to protect valuable cadastral information from loss, damage, and unauthorized access.

XI. Enabling the Adoption of Modern Technologies: A relational database provides the necessary foundation for leveraging advanced technologies such as GIS, remote sensing, online portals, and mobile applications to further enhance cadastral information production, dissemination, and service delivery.

XII. Contributing to Sustainable Development: By improving land administration, securing property rights, and providing accurate spatial data for planning, a relational database system will contribute to more sustainable and equitable land management practices in Shaki.

In conclusion, the implementation of a relational database system for cadastral information production in Shaki, Oyo, Nigeria, is not merely a technological upgrade but a strategic investment that promises to address critical challenges, unlock significant benefits, and lay the foundation for a more efficient, transparent, and sustainable land administration framework. The potential positive impacts on governance, economic development, and social well-being within the region make this initiative a compelling and necessary step forward

1.1.8 Research Questions and Objectives

This study aims to investigate the implementation of a relational database system for cadastral information production in Shaki, Oyo, Nigeria. To effectively guide this investigation, the following research questions have been formulated:

1.1.8.1 Research Questions:

- a) What are the key challenges and limitations of the existing cadastral information management system in Shaki, Oyo, Nigeria?
- b) What are the essential requirements and features of a relational database system suitable for cadastral information production in the context of Shaki?

- c) What are the potential benefits and challenges associated with the implementation of a relational database system for cadastral information production in Shaki?
- d) What are the critical factors for the successful design, development, and deployment of such a system in the local context?
- e) What are the potential impacts of implementing a relational database system on the efficiency, accuracy, transparency, and accessibility of cadastral information in Shaki?
- f) What are the perceptions and readiness of stakeholders (e.g., land administrators, surveyors, citizens) towards the adoption of a relational database system for cadastral information management in Shaki?
- g) What are the potential costs and resource implications associated with the implementation and maintenance of a relational database system for cadastral information production in Shaki?

To address these research questions comprehensively, the following objectives have been established:

1.1.8.2 Research Objectives:

- I. To identify and analyze the shortcomings and inefficiencies of the current cadastral information management practices in Shaki, Oyo, Nigeria.
- II. To determine the functional and non-functional requirements for a relational database system tailored to the specific needs of cadastral information production in Shaki.
- III. To evaluate the potential advantages and disadvantages of implementing a relational database system for managing cadastral data in the local context.
- IV. To identify and analyze the critical success factors for the planning, design, development, and deployment of a relational database system for cadastral information in Shaki.

V. To assess the potential impact of the implemented system on key aspects of cadastral information management, including efficiency, accuracy, transparency, and accessibility.

VI. To examine the awareness, attitudes, and preparedness of relevant stakeholders towards the adoption and utilization of a relational database system for cadastral information in Shaki.

VII. To estimate the potential costs associated with the implementation, training, and ongoing maintenance of a relational database system for cadastral information production in Shaki.

These research questions and objectives provide a clear framework for this study, ensuring a focused and systematic investigation into the implementation of a relational database system for cadastral information production in Shaki, Oyo, Nigeria. The findings from this research will contribute valuable insights for policymakers, land administrators, and other stakeholders involved in modernizing land administration practices within the region.

1.2 STATEMENT OF PROBLEM

Due to the management of cadastral information is a critical component of land administration systems, as it involves the accurate recording, updating, and retrieval of land ownership, boundaries, transactions, and land rights. Over the years, traditional methods of managing this data primarily paper-based records and outdated database systems have proven to be inefficient, error-prone, and incapable of handling the growing complexity and volume of land data. The implementation (RDBS) will help eliminate these problems.

1.3 AIM AND OBJECTIVES OF THE PROJECT

1.3.1 AIM

The aim of implementing a relational database system for cadastral information production is to develop an efficient, accurate, and scalable

framework for managing and analyzing land-related data. This system seeks to enhance the integrity, accessibility, and usability of cadastral information, thereby supporting effective land administration, urban planning, and decision-making processes while ensuring compliance with legal and technical standards.

1.3.2 OBJECTIVES

Base on significance of this project the objective includes;

- 1. Project planning: which include office planning and field reconnaissance
- 2. Monumentation: (At least 5 hectares of land according to higher national diploma)
- 3. Data acquisition (geometric data with total station, social survey through oral interview for the purpose of query and building name, colors and some of vital documents on land
- 4. Data processing: this includes downloading and processing of data using appropriate software (GIS SOFTWARE)
- 5. Information presentation: It involved plotting of survey data both soft copy and hard copy showing correct location of a points

1.4 SCOPE OF THE PROJECT

- 1 Project planning
- 2 Monumentation
- 3 Data downloading and data processing
- 4 Program and Query

5 Report writing

1.5 PERSONNEL

AUTHOR

MEMBER

NAME	MATRIC NO
REMARKS	
YUNUS ZAINAB TITILAYO	HND/23/SGI/FT/0049

JAMIU MUFTAU OPEYEMI HND/23/SGI/FT/0058

IDRIS HALIMAT ALATA HND/23/SGI/FT/0050 MEMBER

OLAREWAJU TOLULOPE O. HND/23/SGI/FT/0053 MEMBER

ADEBAYO UTHMAN DOLAPO HND/23/SGI/FT/0061
MEMBER

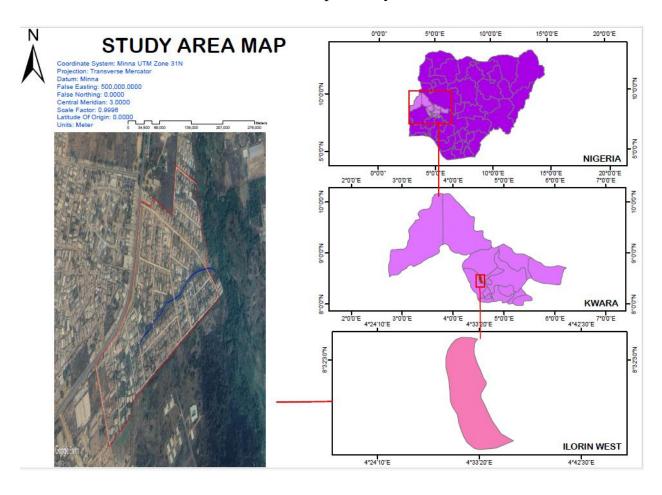
AINA SAMUEL AYOMIDE HND/23/SGI/FT/0062 MEMBER

ELIJAH TOYIN DEBORAH HND/23/SGI FT/0121 MEMBER

ODENIRAN KAYODE TAIWO HND/22/SGI/FT/086
MEMBER

1.6 STUDY AREA

The study area for the project is situated on part of Irewolede Estate Along New Yidi Road Ilorin, Ilorin west Local Government Area, Kwara State. The project lies between longitude 8°27'29.94"N 4°33'56.74"E and latitude 8°27'49.59"N 4°33'21.36" E Respectively



CHAPTER TWO

2.0. LITERATURE REVIEW

This literature review explores existing research and scholarly works relevant to the implementation of relational database systems for examines cadastral information production. It the theoretical underpinnings of relational database technology, best practices in cadastral system modernization, challenges and benefits of implementing such systems in various contexts (including developing countries), and importance of stakeholder engagement and technological considerations.

2.1. Foundations of Relational Database Systems:

At its core, a relational database system (RDBMS) provides a structured way to organize, manage, and access data based on the relational model proposed by E.F. Codd (1970). This model organizes data into tables with rows (records) and columns (attributes), establishing relationships between tables to minimize redundancy and ensure data integrity (Date, 2004). Key concepts include data normalization, structured query language (SQL) for data manipulation, and transaction management for data consistency (Silberschatz, Korth, & Sudarshan, 2010). The inherent structure and querying capabilities of RDBMS make them well-suited for managing complex datasets like cadastral information, which involves numerous interconnected attributes and spatial elements.

2.2. Modernizing Cadastral Systems:

The need to modernize traditional, often paper-based, cadastral systems has been widely recognized (UN-Habitat, 2007). Studies highlight the inefficiencies, inaccuracies, and limitations of manual systems, emphasizing the potential of information and communication technologies (ICTs) to revolutionize land administration (Enemark,

McLaren, & Siriba, 2014). The transition to digital cadastral systems, often leveraging RDBMS, is seen as a crucial step towards improving efficiency, transparency, and security of land records (Williamson, Enemark, Wallace, & Rajabifard, 2010).

2.3. Benefits of Implementing RDBMS in Cadastre:

Numerous studies have documented the benefits of implementing RDBMS for cadastral information management:

- I. Improved Data Accuracy and Integrity: Digital systems with validation rules and relational integrity constraints significantly reduce data entry errors and inconsistencies (FIG, 1999).
- II. Enhanced Data Accessibility and Retrieval: RDBMS facilitate efficient querying and retrieval of cadastral information, enabling faster service delivery and informed decision-making (Kaufmann & Steudler, 1998). Web-based interfaces built on RDBMS can further enhance accessibility for authorized users (Mansberger, 2007).
- III. Increased Operational Efficiency: Automation of data management tasks, such as data entry, updates, and report generation, leads to significant time and cost savings (Grant, 2001).
- IV. Support for Spatial Data Integration: Modern RDBMS often include spatial extensions or are integrated with Geographic Information Systems (GIS), allowing for the seamless management and analysis of both attribute and spatial cadastral data (Zeilhofer & Sester, 2004). This integration is crucial for generating cadastral maps and conducting spatial queries.
- V. Improved Transparency and Accountability: Digital records with audit trails enhance transparency in land administration processes, making it easier to track changes and ensure accountability (McLaren & Shanahan, 2004).
- VI. Enhanced Security and Data Preservation: Digital databases offer better security options through access controls and encryption, and

facilitate data backup and disaster recovery, ensuring the long-term preservation of vital land records (Dale & McLaughlin, 1999).

2.4. Challenges of Implementing RDBMS in Developing Countries:

While the benefits are significant, the implementation of RDBMS for cadastral systems in developing countries like Nigeria can face unique challenges:

I. Inadequate Infrastructure: Limited access to reliable electricity, internet connectivity, and suitable hardware can hinder the deployment and operation of digital systems (Kalantari, Binns, &рите, 2008).

II.Lack of Technical Expertise: A shortage of skilled professionals in database administration, GIS, and system maintenance can pose a significant obstacle (Bennett, Williamson, & Wallace, 2001).

- III. Data Conversion and Backlog: Converting existing paper-based records to a digital format can be a time-consuming and resource-intensive process, especially when dealing with large data backlogs and inconsistencies (FIG, 2004).
- IV. Institutional and Legal Frameworks: Outdated land laws and weak institutional capacity can impede the effective implementation and utilization of modern cadastral systems (UN-Habitat, 2019).
- V. Stakeholder Resistance: Resistance to change from staff accustomed to manual processes and a lack of awareness among stakeholders about the benefits of a digital system can create implementation challenges (Wallace, Williamson, & Bennett, 1999).
- VI. Financial Constraints: The initial investment costs for hardware, software, training, and data conversion can be substantial, posing a challenge for resource-constrained governments (Enemark, 2005).

2.5. Critical Success Factors for Implementation:

Research highlights several critical success factors for the successful implementation of RDBMS for cadastral systems:

- I. Strong Political Will and Leadership: Commitment from government at all levels is essential for providing the necessary resources and support (Burns, 2000).
- II. Comprehensive Needs Assessment and System Design: A thorough understanding of user requirements and a well-designed system architecture are crucial for developing a system that meets the specific needs of the local context (Dale, 2001).
- III. Stakeholder Engagement and Participation: Involving all relevant stakeholders (e.g., land administrators, surveyors, legal professionals, citizens) in the planning and implementation process is vital for ensuring buy-in and addressing concerns (Rajabifard, Williamson, & Holland, 2005).
- IV. Capacity Building and Training: Investing in training programs for staff to develop the necessary technical skills is essential for the long-term sustainability of the system (Bennett, 2002).
- V. Phased Implementation and Pilot Projects: A gradual, phased approach with pilot projects allows for testing and refinement of the system before full-scale deployment (Williamson, 2001).
- VI. Robust Legal and Institutional Framework: Updating land laws and strengthening institutional capacity are crucial for supporting the effective operation of a digital cadastral system (UN-ECE, 1996).
- VI. Public Awareness and Education: Raising public awareness about the benefits of the new system can encourage adoption and build trust (Barry, 2002).

2.6. Contextual Relevance to Shaki, Oyo, Nigeria:

The challenges faced by many developing countries in modernizing their cadastral systems are likely to be relevant to the situation in Shaki, Oyo, Nigeria. Issues such as inadequate infrastructure, limited technical expertise, and the need for data conversion will need to be carefully considered during the implementation process. Understanding the specific institutional and legal frameworks governing land administration in Oyo State and engaging local stakeholders will be crucial for the success of any proposed RDBMS implementation.

Conclusion:

The literature overwhelmingly supports the adoption of relational database systems as a powerful tool for modernizing cadastral information production and management. While the benefits are well-documented, the implementation process, particularly in developing countries like Nigeria, presents unique challenges that need to be addressed strategically. Success hinges on careful planning, strong leadership, stakeholder engagement, capacity building, and a context-specific approach that considers the local infrastructure, legal framework, and socio-economic realities. This study will build upon this existing body of knowledge by specifically investigating the feasibility, requirements, and potential impacts of implementing a relational database system for cadastral information production within the specific context of Shaki, Oyo, Nigeria.

2.7. Cadastral System Modernization in Developing Countries:

- I. The literature provides numerous case studies and analyses of cadastral system modernization efforts in developing countries. These studies often highlight common challenges such as:
- II. Data Incompleteness and Inaccuracies: Existing cadastral records in developing nations are frequently incomplete, outdated, and contain significant errors, posing a major hurdle for digitization (Barry, 2001; Dale & McLaughlin, 1999).
- III. Resource Constraints: Limited financial and human resources often constrain the scope and pace of modernization projects (Enemark, 2005).
- IV. Technological Divide: The digital divide and limited access to reliable technology and infrastructure in many developing regions necessitate careful consideration of appropriate technological solutions (Kalantari et al., 2008).
- V. Land Tenure Complexity: Diverse and often informal land tenure systems prevalent in developing countries require flexible and adaptable cadastral solutions (UN-Habitat, 2007).

VI. Governance and Corruption: Weak governance structures and corruption can undermine the integrity and effectiveness of cadastral systems, regardless of the technology employed (Transparency International, 2018).

VII. These studies offer valuable lessons learned and best practices for navigating these challenges, emphasizing the need for context-specific solutions and a phased implementation approach.

2.8. The Role of Relational Databases in Land Administration:

The literature strongly advocates for the use of RDBMS in land administration due to their inherent advantages in data management:

- I. Data Integration: RDBMS facilitate the integration of diverse cadastral data, including textual (ownership details, property attributes), spatial (parcel boundaries, survey data), and multimedia (scanned documents, images) information (Zeilhofer & Sester, 2004).
- II. Data Integrity and Consistency: The relational model enforces data integrity through primary and foreign keys, ensuring consistency across different data tables and reducing redundancy (Date, 2004).
- III. Querying and Reporting Capabilities: SQL provides powerful tools for querying and retrieving specific cadastral information, as well as generating customized reports for various purposes (Silberschatz et al., 2010).
- IV. Scalability and Performance: Well-designed RDBMS can handle large volumes of data and support efficient data retrieval, crucial for managing growing cadastral datasets (Elmasri & Navathe, 2017).
- V. Research in this area often focuses on database design principles tailored to cadastral data models, including the integration of spatial data types and functionalities.

2.9. Integrating GIS with Cadastral Database Systems:

The convergence of cadastral information with Geographic Information Systems (GIS) is a significant theme in the literature. GIS provides powerful tools for spatial data management, visualization, and analysis, enhancing the utility of cadastral data for planning, management, and decision-making (Longley, Goodchild, Maguire, & Rhind, 2015). Studies explore different approaches to integrating RDBMS with GIS platforms, including:

Spatial Extensions in RDBMS: Modern RDBMS often offer spatial extensions (e.g., PostGIS, Oracle Spatial) that allow for the storage and querying of spatial data directly within the database (Ormsby & Napoleon, 2019).

Loose Coupling through Data Exchange: Cadastral attribute data can be managed in an RDBMS and linked to spatial data stored in a separate GIS through unique identifiers (Peng & Tsou, 2003).

Tight Integration within GIS Platforms: Some GIS software packages offer integrated database management capabilities, allowing for seamless handling of both attribute and spatial data.

The literature emphasizes the benefits of this integration for tasks such as cadastral mapping, spatial analysis of land ownership patterns, and linking cadastral information with other spatial datasets (e.g., infrastructure, environmental data).

2.10. Stakeholder Engagement in Cadastral System Development:

The importance of actively involving all relevant stakeholders in the design and implementation of new cadastral systems is consistently highlighted in the literature (Wallace et al., 1999; Rajabifard et al., 2005). This includes:

- I. Government Agencies: Land registries, survey departments, planning authorities, local governments.
- II. Land Professionals: Surveyors, lawyers, real estate agents.
- III. Citizens and Communities: Landowners, traditional authorities, community leaders.

IV. Civil Society Organizations: Advocacy groups, non-governmental organizations.

Engaging stakeholders through consultations, workshops, and participatory design processes can help ensure that the system meets the needs of all users, address potential concerns, and foster a sense of ownership, ultimately increasing the likelihood of successful adoption and sustainability.

2.11. Capacity Building and Training for Digital Cadastral Systems:

The literature underscores the critical role of capacity building and training in ensuring the effective use and long-term sustainability of digital cadastral systems (Bennett, 2002). This includes training for:

- I. System Administrators: Database management, system maintenance, security protocols.
- II. Data Entry and Management Staff: Data capture, quality control, data updating.
- III. End-Users: System navigation, data querying, report generation.
- IV. Technical Support Personnel: Troubleshooting, system upgrades, user support.

Effective training programs should be tailored to the specific needs of different user groups and should incorporate ongoing support and professional development opportunities.

Relevance to Shaki, Oyo, Nigeria:

The themes discussed above are highly relevant to the proposed implementation of a relational database system in Shaki, Oyo, Nigeria. Understanding the specific challenges related to data quality, infrastructure limitations, and land tenure complexities in the local context is crucial. Leveraging the benefits of RDBMS and GIS integration can significantly improve cadastral information management. Furthermore, actively engaging local stakeholders and investing in capacity building will be essential for the successful adoption and sustainability of the new system in Shaki.

This deeper exploration of the literature provides a stronger foundation for understanding the complexities and opportunities associated with implementing a relational database system for cadastral information production, particularly within the context of a developing region like Shaki, Oyo, Nigeria. The subsequent sections of this study can now build upon these insights to propose a contextually appropriate and effective implementation strategy.

2.12. Legal and Institutional Frameworks for Cadastral Systems in Nigeria:

A crucial area of the literature to examine is the existing legal and institutional framework governing land administration and cadastral systems in Nigeria, and specifically within Oyo State. This includes:

Land Use Act (1978): This fundamental legislation has significant implications for land ownership, management, and the role of the government in land administration. Literature analyzing its impact on cadastral development and the challenges it presents for modernization is essential (Uchendu, 1979; Okoye, 2009).

State-Specific Land Laws and Regulations: Oyo State may have specific laws and regulations related to land registration, surveying practices, and the establishment of cadastral records. Research into these sub-national legal frameworks is necessary to understand the existing legal landscape.

Institutional Capacity: Studies on the capacity of land-related institutions in Nigeria, including staffing, infrastructure, and technological capabilities, will provide insights into the existing environment for implementing a digital cadastral system (Aribigbola, 2008).

Inter-Agency Coordination: Literature on the coordination (or lack thereof) between different government agencies involved in land administration (e.g., land registry, survey department, urban planning) will highlight potential challenges and the need for improved collaboration through a centralized database system (Yahya, 2003).

Traditional Land Tenure Systems: Research on the prevalence and characteristics of customary land tenure systems in Oyo State,

particularly in areas like Shaki, is vital. Understanding how a formal, database-driven cadastral system can accommodate or interact with these traditional systems is crucial for ensuring inclusivity and avoiding conflicts (Olukoju, 2000).

Analyzing the legal and institutional context will help identify potential barriers and opportunities for implementing a modern cadastral system in Shaki. It will also inform the design of a system that is legally sound and aligned with existing administrative structures.

2.13. Technological Considerations and Infrastructure in Developing Regions:

The literature on ICT adoption in developing countries provides valuable insights into the practical challenges of implementing a digital cadastral system in a context like Shaki:

- I. Infrastructure Limitations: Studies on the availability and reliability of electricity, internet connectivity, and mobile network coverage in rural and semi-urban areas of Nigeria are crucial for determining appropriate technological choices (Adesina & Soyemi, 2011).
- II. Hardware and Software Selection: Research on cost-effective and robust hardware and software solutions suitable for the local environment, considering factors like climate, power fluctuations, and the availability of technical support, is important (Heeks, 2002).
- III. Data Security and Backup Strategies: Literature on data security best practices in resource-constrained environments and strategies for reliable data backup and disaster recovery is essential to ensure the long-term integrity and availability of cadastral information (Best & Wade, 2000).
- IV. Open Source vs. Proprietary Solutions: The literature comparing the advantages and disadvantages of open-source and proprietary database and GIS software in developing country contexts can inform decisions about the most sustainable and cost-effective options (Wheeler, 2007).
- V. Mobile and Cloud-Based Technologies: Emerging literature on the potential of mobile technologies for data capture and dissemination, and

cloud-based solutions for data storage and access in areas with limited infrastructure, may offer innovative approaches for Shaki (ফোস্টার, 2016).

VI. Addressing these technological considerations is vital for ensuring the feasibility and sustainability of the proposed relational database system.

2.14. Socio-Economic Impacts of Cadastral System Improvements:

The literature also explores the broader socio-economic impacts of improving cadastral systems, particularly in developing countries:

- I. Economic Growth and Investment: Secure land tenure and efficient land markets, facilitated by a reliable cadastral system, can stimulate investment, economic activity, and poverty reduction (De Soto, 2000).
- II. Land Dispute Resolution: Accurate and accessible cadastral information can play a crucial role in preventing and resolving land disputes, contributing to social stability and reducing the burden on the judicial system (Payne, Durand-Lasserve, & Rakodi, 2009).
- III. Improved Governance and Transparency: Modern cadastral systems can enhance transparency in land administration, reduce corruption, and improve public trust in government institutions (World Bank, 2019).
- IV. Empowerment of Marginalized Groups: Clear and secure land rights, facilitated by an inclusive cadastral system, can empower vulnerable groups, including women and indigenous communities (Palmer, White, &BaH Gelder, 2001).

Understanding these potential socio-economic benefits provides a strong rationale for investing in cadastral system modernization in Shaki.

2.15. Change Management and Organizational Adoption:

The successful implementation of a relational database system for cadastral information production will necessitate significant changes in existing workflows, organizational structures, and the skills required of personnel. The literature on change management provides valuable frameworks and insights for navigating this transition:

Resistance to Change: Studies highlight the common reasons for resistance to technological change within organizations, including fear of job displacement, lack of understanding of the new system, and perceived increased workload (Lewin, 1947; Kotter, 1996). Strategies for addressing this resistance, such as clear communication, stakeholder involvement, and demonstrating the benefits of the new system, are crucial.

Organizational Culture: The existing organizational culture within land administration agencies in Shaki will influence the adoption of new technologies. Literature on assessing organizational readiness for change and fostering a culture of innovation and continuous learning is relevant (Schein, 2010).

Training and Capacity Building Strategies: Effective training programs that go beyond basic system usage and focus on developing a deep understanding of the underlying principles and benefits are essential. Literature on adult learning principles and best practices in technical training can inform the design of appropriate training initiatives (Knowles, Holton III, & Swanson, 2015).

Workflow Redesign and Business Process Re-engineering: Implementing a relational database system offers an opportunity to reengineer existing cadastral workflows for greater efficiency. Literature on business process re-engineering methodologies can provide guidance on how to optimize processes and integrate the new technology effectively (Hammer & Champy, 1993).

Leadership and Change Agents: Strong leadership and the identification of change agents within the relevant organizations are critical for championing the new system and driving its adoption (Bass, 1990). Literature on leadership styles and their impact on organizational change is pertinent.

Understanding and addressing the human and organizational aspects of change management will be crucial for ensuring the smooth and successful implementation of the relational database system in Shaki.

2.16. Data Migration and Conversion Strategies:

A significant practical challenge in implementing a new digital cadastral system is the migration and conversion of existing paper-based or legacy digital data into the new relational database. The literature on data migration offers insights into best practices:

- I. Data Cleansing and Standardization: Existing cadastral records in Shaki may contain inconsistencies, errors, and non-standard formats. Literature on data quality management and data cleansing techniques is essential for ensuring the accuracy and integrity of the migrated data (Rahm & Do, 2000).
- II. Data Conversion Tools and Techniques: Various tools and techniques can be employed for data conversion, ranging from manual data entry to automated scanning and optical character recognition (OCR). The literature comparing the effectiveness and cost-efficiency of different approaches is relevant (Castelli, poκy, & Vercellis, 2001).
- III. Data Validation and Verification: Robust data validation and verification procedures are necessary to ensure the accuracy of the converted data. Literature on data quality assurance methodologies is important (Kimball & Ross, 2016).
- IV. Phased Data Migration: A phased approach to data migration, focusing on critical datasets first, can help to mitigate risks and allow for iterative refinement of the conversion process (Inmon, Strauss, & Neushloss, 2008).

Developing a well-planned and executed data migration strategy is critical for building a reliable and accurate digital cadastral database in Shaki.

2.17. Sustainability and Long-Term Maintenance:

The long-term success of the implemented relational database system depends on its sustainability and ongoing maintenance. The literature on ICT sustainability in developing countries offers relevant considerations:

Technical Support and Local Capacity: Ensuring the availability of local technical expertise for system maintenance, troubleshooting, and upgrades is crucial for long-term sustainability (Braa & Sørensen, 2006).

Financial Sustainability: Developing a sustainable funding model for ongoing system maintenance, software upgrades, and staff training is essential (Foster & Heeks, 2013).

Data Governance and Security: Establishing clear data governance policies and implementing robust security measures are vital for protecting the integrity and confidentiality of cadastral information over time (Weber, 2003).

System Upgradability and Scalability: The system should be designed to be upgradable and scalable to accommodate future growth in data volume and evolving technological advancements (Tanenbaum & Van Steen, 2007).

Considering these sustainability factors from the outset will help ensure the long-term viability and effectiveness of the relational database system in Shaki.

By exploring these additional dimensions within the literature, this study can gain a more holistic understanding of the complexities involved in implementing a relational database system for cadastral information production in a specific developing country context like Shaki, Oyo, Nigeria. This comprehensive review will provide a strong foundation for developing practical and contextually relevant recommendations.

2.18 Foundational Concepts of RDBMS in Cadastral Systems

Relational database systems have long been the backbone of data-centric applications. According to Date (2003), the relational model provides a theoretically sound and practically robust framework for managing structured data. In the context of cadastral systems, the use of RDBMS supports normalization, data integrity constraints, and query optimization, which are essential for managing complex relationships between parcels, ownership, boundaries, and legal documents.

2.19 Design and Modeling Approaches

Effective implementation of RDBMS in CIS begins with data modeling. Williamson and Ting (2001) emphasized the importance of modeling cadastral objects—such as land parcels, property rights, and ownership records—using Entity-Relationship (ER) or Unified Modeling Language (UML) diagrams before translating them into relational schemas. The LADM (Land Administration Domain Model), standardized as ISO 19152, also provides a structured approach to model legal, administrative, and spatial units in relational formats.

2.20 Integration with Spatial Data

One limitation of traditional RDBMS is their lack of native support for spatial data types. However, modern RDBMS (e.g., PostgreSQL/PostGIS, Oracle Spatial) incorporate spatial extensions that allow the storage and querying of geometric data. According to Zevenbergen et al. (2013), integrating spatial and attribute data in a single RDBMS environment enhances system performance and supports spatial queries critical for land analysis, boundary disputes, and urban planning.

2.21. Case Studies and Implementations

Numerous implementations globally have adopted RDBMS for cadastral systems. In Ghana, the Land Administration Project adopted an RDBMS-driven CIS to unify dispersed land records (Arko-Adjei, 2011). Similarly, Turkey's TAKBIS (Cadastral Information System) integrated spatial and legal data using Oracle Spatial to manage millions of parcels (Çete & Yomralioglu, 2009). These systems demonstrated improvements in data accessibility, user query response time, and institutional coordination.

2.22 Challenges in Implementation

Despite its advantages, implementing RDBMS in CIS faces several challenges, including data migration from legacy systems, lack of standardization, and the complexity of integrating spatial and non-spatial datasets. Van Oosterom et al. (2006) highlight that cadastral data often exist in inconsistent formats and require significant cleaning and harmonization before migration to a relational schema.

2.23 Future Directions

Emerging technologies such as NoSQL databases and cloud-based architectures present alternatives to traditional RDBMS. However, the relational model remains prevalent due to its maturity, standardization, and strong support for transactional consistency. Future research may focus on hybrid systems that combine relational and spatial-temporal capabilities for dynamic land administration systems.

2.24 Introduction to Cadastral Information Systems and RDBMS

Cadastral Information Systems are vital tools for land governance, facilitating efficient management of land rights, tenure, valuation, and land use. These systems rely heavily on accurate and accessible data. The implementation of Relational Database Management Systems (RDBMS) in CIS provides a structured method for storing and managing the vast and complex datasets involved in land administration.

RDBMS technologies, first developed in the 1970s by E. F. Codd, have since evolved to include powerful features such as ACID (Atomicity, Consistency, Isolation, Durability) compliance, SQL querying, and indexing—all essential for cadastral operations that require data precision and reliability.

2.25 Conceptual and Logical Data Modeling

Successful CIS implementation begins with rigorous data modeling. Conceptual models, often built using UML or ER diagrams, capture the domain-specific entities and their relationships. In the cadastral domain, these typically include parcels, rights, holders, and spatial features.

Lemmen et al. (2015) argue that the Land Administration Domain Model (LADM) has significantly advanced cadastral system design by offering a global standard (ISO 19152) that defines a common vocabulary and logical structure. This standard can be implemented directly into relational schemas, allowing for cross-country interoperability and integration.

The transition from conceptual to logical models in RDBMS involves mapping entities and relationships into tables, primary and foreign keys, and normalization to reduce redundancy. Tools such as ERwin, Oracle Designer, and open-source platforms like pgModeler are often used in this phase.

2.26 Spatial Data Management in RDBMS

One of the major extensions in implementing RDBMS for CIS is the incorporation of **spatial data**—representing parcels, boundaries, and topological relationships. Traditionally, spatial data were handled separately using Geographic Information Systems (GIS). However, with the evolution of spatial extensions in RDBMS, such as:

PostGIS for PostgreSQL

Oracle Spatia

Microsoft SQL Server with Spatial Types

...relational databases can now manage both attribute and spatial data in a unified environment. This integration allows for spatial queries, e.g., finding overlapping parcels or identifying parcels within a buffer zone, directly within SQL.

As Zlatanova and Stoter (2006) suggest, the tight coupling of spatial and alphanumeric data greatly enhances query performance, data consistency, and system simplicity, especially in web-based CIS.

2.29 Data Integrity and Security

RDBMS inherently supports data integrity constraints such as unique keys, referential integrity, and check constraints—crucial in a domain where legal ownership and boundaries must be unambiguously maintained.

Furthermore, modern RDBMS provide role-based access control (RBAC) and transaction logging. In a multi-agency cadastral environment (e.g., involving surveyors, municipal planners, and land registrars), access control mechanisms ensure that only authorized users can update or view specific datasets.

2.30 System Architecture and Implementation Strategies**

In practical implementations, CIS using RDBMS often follow **three-tier architecture

Database Layer: Implemented in systems like PostgreSQL, MySQL, or Oracle.

Application Layer: Middle-tier services written in Java, .NET, or PHP frameworks.

Presentation Layer: Web-based interfaces (e.g., OpenLayers, Leaflet, QGIS Server) for interaction.

Case Study: Lithuania's Real Property Cadastre and Register implemented a centralized RDBMS with distributed access points. Their system reduced transaction times for property registration and improved data accuracy (UNECE, 2005).

2.31 Challenges in RDBMS Implementation for CIS

Despite the benefits, several challenges persist:

Legacy Data Migration: Many countries still use paper maps or fragmented digital systems. Migrating this data to a structured RDBMS environment involves data cleaning, validation, and standardization.

Semantic Heterogeneity: Differences in terminologies and data definitions across institutions hinder integration.

Training and Capacity Building: Skilled human resources are necessary to manage and maintain the systems.

System Scalability and Performance: Particularly in high-parcel-volume countries, the relational schema must be optimized to handle millions of records without degradation in performance.

Tuladhar (2004) emphasized that successful implementation requires not just technological tools but also institutional readiness, legal frameworks, and user adoption strategies.

2.32 Future Trends and Research Directions

While RDBMS remains the dominant model, emerging trends include:

Integration with NoSQL databases for handling unstructured or semistructured data.

Cloud-based cadastral systems, enabling remote access and scalability.

Blockchain for land transaction transparency, though still in experimental stages.

3D Cadastral Systems, which require spatial extensions capable of handling volumetric data (e.g., ownership of underground parking or above-ground condos).

Van Oosterom (2018) highlights the increasing demand for 3D and 4D (temporal) cadastral capabilities, necessitating more complex spatial data models and efficient indexing methods within RDBMS

2.33 Institutional and Policy Frameworks Affecting RDBMS-based CIS

The success of any relational database-backed cadastral system is not solely dependent on technical design—it is equally a product of supportive **institutional, legal, and policy environments**. Countries with clearly defined land tenure policies, legislative backing for digital cadastre, and inter-agency cooperation tend to report more successful implementations.

For example, Bennett et al. (2012) emphasize the importance of flexible land administration systems that can evolve with changing societal and technological contexts. The integration of an RDBMS within such systems must be aligned with existing land laws, data custodianship responsibilities, and dispute resolution frameworks.

Furthermore, public-private partnerships (PPP) have emerged as a model for financing and implementing modern CIS. Private sector expertise in RDBMS development can expedite system rollout, provided there is strong public oversight and regulatory compliance.

2.34 Comparative Country Experiences

Netherlands (Kadaster)

The Dutch cadastre uses a highly integrated RDBMS-based system, which supports both legal and spatial data. The system follows the LADM model and supports advanced features like automated registration updates and real-time transaction monitoring. **Van der Molen (2006)** notes that the use of RDBMS enables seamless linkage between land parcel databases and the notary registration system.

Philippines (LAMS-Phil)

The Land Administration and Management System of the Philippines utilizes a MySQL-based RDBMS, integrated with GIS modules and document scanning tools. This system faced initial challenges with data

inconsistencies and overlapping claims but benefited from improved data retrieval speeds and better service delivery (Deininger et al., 2008).

Uganda

Uganda implemented a National Land Information System (NLIS) built on an Oracle RDBMS, enabling digitization of land titles and transaction histories. The system includes decentralized offices that access a central RDBMS via secure VPNs, improving public access and reducing corruption (World Bank, 2015).

2.35 Data Standardization and Interoperability

RDBMS implementation in CIS must follow data standards to ensure interoperability between systems, both within and across borders. The Land Administration Domain Model (LADM) facilitates standardization of cadastral data structures, enabling consistent data exchange between different software platforms.

Additionally, OGC (Open Geospatial Consortium) standards such as Simple Features Specification for SQL and WMS/WFS protocols allow spatial RDBMS systems to communicate with GIS clients.

Rajabifard and Williamson (2001) argue that standardization reduces duplication, ensures data integrity, and enables future integration with egovernment and taxation systems.

2.36 Technical Strategies in RDBMS Implementation

a. Normalization and Schema Design

Most implementations begin with **3NF (Third Normal Form)** to avoid redundancy and ensure consistency. However, in read-heavy systems such as CIS, denormalization may be selectively applied for performance gains in report generation and dashboard queries.

b. Indexing and Query Optimization

Spatial and attribute indexes (e.g., B-trees, GiST, R-tree) are crucial for ensuring fast retrieval in systems with millions of records. **PostGIS**, for instance, supports spatial indexing using GiST for polygon intersections and proximity queries.

c. Versioning and Temporal Data

Land data is dynamic, requiring temporal versioning to track changes in ownership, parcel boundaries, and land use. RDBMS such as Oracle and PostgreSQL allow implementation of temporal tables and triggers to support transaction histories and rollback mechanisms.

d. Replication and Backup

National-scale CIS must support database replication, disaster recovery, and high availability. Master-slave replication is common for read optimization, while full backups ensure recovery in case of data corruption or system failure

2.37 Integration with E-Government Systems

Modern CIS are increasingly integrated with e-Government portals, enabling:

Online title searches

e-Deed registration

Tax assessment linkages

Public access to maps

This integration requires secure APIs and often middleware platforms that translate relational database outputs into web services. XML/JSON-based data exchang is commonly used, and RESTful APIs interact with relational systems for real-time updates.

2.38 Human Capacity and Change Management

Implementing RDBMS in CIS is not just a technical endeavor—it requires a change in organizational culture, retraining of staff, and clear communication with users. Many failed systems were technically sound but lacked user adoption due to insufficient training and support.

Kaufmann and Steudler (1998) stressed that sustainable cadastral reform must include capacity-building programs, especially in developing countries where digital literacy may be low.

2.39 Sustainability and Maintenance

After implementation, RDBMS-based CIS require continuous maintenance, including:

Schema updates for legal reforms

Security patches

Software version upgrades

Data audits

Open-source systems like PostgreSQL/PostGIS offer cost advantages and community support, but they also demand in-house technical capacity. Commercial RDBMS (e.g., Oracle Spatial) provide robust support but can be costly for long-term licensing and upgrades.

Conclusion

The implementation of RDBMS in Cadastral Information Systems has greatly enhanced the efficiency, accuracy, and accessibility of land data. While challenges remain in terms of spatial integration, legacy system migration, and evolving user needs, ongoing innovations in spatial databases, standard models like LADM, and increased government digitization initiatives continue to push the boundaries of what CIS can achieve. A well-implemented RDBMS-based CIS not only serves legal and administrative purposes but also supports economic development, environmental planning, and social equity.

CHAPTER THREE

3.1 METHODOLOGY

Methodology comprises of the method and procedure employed in executing the project both in office and on the field. The method adopted for this project was based on the principle of surveying which was working from whole to part, aimed at acquiring reliable and accurate data needed for the computation and presentation of information in form of a plan.

This chapter describes the systematic procedures and methods adopted in the design and implementation of a Relational Database System (RDBS) for the Cadastral Information System (CIS) of Irewolede Estate. The methodology highlights the research design, data collection methods, system analysis, database design, software tools used, and implementation techniques.

3.2 TESTS OF DIFFERENTIAL GPS

The two GPS receivers (Tersus Differential GNSS) were tested to ascertain its working capability on two known established points. The reference receiver (base) and rover receiver were setup using the RTK (Real Time Kinematics) mode with boosts from external radio to increase the communication linkup and range between the two receivers. The interface was access using S1 controller to set the parameter. The data

acquired was downloaded using beam methods (Bluetooth) of the windows mobile platform in text format (.txt)

However, the result displayed the following on the controller:

Status (P): Fixed

Horizontal Root Mean Square (H): 0.014

Vertical Root Mean Square (V): 0.021

Satellite Number (S): 10+4

Communication Mode (Channel): 4

Time (T) 11:05:38

3.3 CONTROL CHECK

Control check was carried out on the beacons PT 02 and PT 03 in order to ensure whether they were still maintaining their original positions. The reference receiver (base receiver) was set on PT 01 while the rover receiver was set on PT 02 and PT 03 respectively. The following are the result obtained

Table 3.3.1: Coordinate of the observed and the original values of PT 02

PILLAR	NORTHING	EASTING	STATUS	REMARKS
PT 02	935768.084	670900.867		ORIGINAL

PT 02	935768.099	670900.847	FIXED	OBESRVED
DISREPANCY	0.015	0.020		

Table 3.3.2: Coordinate of the observed and the original values of PT 03

PILLAR	NORTHING(m)	EASTING(m)	STATU S	REMARKS
SC/KW E4583R	935791.554	670975.362		ORIGINAL
SC/KW E4583R	935791.575	670975.384	FIXED	OBESRVED
DISREPANC Y	0.021	0.022		

The result shows that the control pillars were in Situ and in good condition for the survey operation. In the case of the instrument, it can be concluded to be in good working condition.

3.4 DATA SOURCE

Control coordinate were given from existing map, which is considered as secondary data. This was plotted using AutoCAD. The main source of data used is primary source.

3.5 GEOMETRIC DATA ACQUISITION

This involve the acquisition of both northing and easting value of features that are present on the project site. During the data acquisition, Real Time Kinematic method was employed coordinates of boundary points, as well as details and notable features along the perimeter using total station. Boundary pillars are established and accurately measured. These points serve as reference markers and are essential for maintaining consistency and accuracy throughout the survey. Additionally, these coordinates serve as valuable information for future reference, analysis, or planning purposes. They can also be used to assess potential impacts on the survey area and aid in making informed decisions during the project's development or construction phases.

3.5.1 ATTRIBUTE/ SOCIAL SURVEY

This aspect of data acquisition entails the collection of other data which geometric in nature. Such data were directly related to the features to which geometric data was acquired. They included building names, the purpose of which the building is used for. etc.

To collect attribute data, survey was employed. This involves oral interviews, reading information from sign posts, wall signs, virtual observation, etc.

3.6 DATABASE CREATION/IMPLEMENT

For efficient and effective management of data in the computer environment, data item are usually arranged and stored in a database or databank. The content of this database could be in form of a text, number, polygon or graphics. The creation of this database involved the combination and storage of the acquired graphical and attributes data obtained in former designed GIS database of a generic structure for the purpose in spatial analysis and queries on project site

In the creation of a land information system data mode, a widely used technique called layering was employed. The features that are present within the project site have been classified into different layers in the AutoCAD software independently. The polyline entities were joined using the polyline tool while appropriate symbols were used for the point entities. These layers were then exported to ArcGIS environment where shape files were created using attributes fields as conceptualized in the schema. These attribute table were then populated accordingly with attributes values for each particular entity as observed in the field and from the social survey template (attached as appendix)

The personal Geodatabase was then created finally in Arc Catalog environment. Where other tables that are non-geometric where created while the already created shape files where imported. Relationship between these tables were also established and the tables were later populated in the Arc Map environment. The following are some of the tables created

3.6.1. DATABASE MANAGEMENT SYSTEM (DBMS)

According to Dale and McLaughlin (1998), database management system was defined as a computer program to control the storage, retrieval and modification of data in the database. DBMS comprises of set of programmers which are used to maintain and manipulate the data orderly and acts as the central control over all the interactions. It manages that data using alphanumeric data with limited capabilities of performing spatial queries

A DBMS must allow the definition of data and their attributes and relationships as well as providing security and on interface between the end users and their application and the data themselves it reduces redundancy. Therefore, Arc GIS 10.2 version was used to create, manipulate, maintain and access the database easily.

3.6.2. DATA QUALITY

Some forms of quality control and quality assurance were incorporated in the project at every phase. These include conformity with data templates, data competences and data accuracy. Conformity with data templates in this premises refers to the degree to which the captured data conformed with the designed templates, while data competence was understood as the degree to which the available data in the report and for which there are specific templates have been extracted.

3.6.3 DATA INTEGRITY

The data captured as exactly downloaded into the system then exported to AutoCAD via notepad and eventually into Arc GIS. The process involves ensuring that the data in the database were accurate and setting of certain constraint to prevent inconsistency in the database.

3.6.4 DATA SECURITY

Security is of great concern to land administration because of the legal implication of cadastral records. Security of the records is of almost importance to all concerned. These includes:

- Physical and system security
- Physical security: The use of burgling proof, fire-fighting equipment-controlled access, proper records of the moment of personal and our of the office circuit break
- System Security: Uninterrupted power supply (UPS) will be used to control voltage, use of passwords and backups

In view of the foregoing, locking mechanism was adopted to protect the data in the database from unconscious deletion. Password was used to prevent unauthorized user from breaking into the database and a backup was created for the whole project on the rentable DVD.

Having succeeded in analysis the methodology employed in the execution of this project to arrive at the successful completion. it is

equally necessary to examine the processes undertaken to ascertain the reliability and effectiveness of the created land information system

CHAPTER FOUR

4.0 DATA PROCESSING AND PRESENTATION

4.1 SPATIAL ANALYSIS

Spatial analysis is a specialized function that distinguish GIS from other information systems. It entails the examination of spatial and attributes characteristics of geographic features that are within the database to establish relationships from which spatial problems can be tackled. In this project work, spatial analyses were performed to select, combine and intersect existing geospatial data-sets in order to generate new information suitable for answering specific spatially-related questions.

The results from these analyses can be shown in a number of ways depending on the required output format. Where attribute information about map features is required, they can be presented as tables containing such valves as are needed from the query analysis. They can also be presented as maps with legend information showing the queried features and their topological relationships with other features shown on the map.

For this project AutoCAD 2007 was used to carry out the plotting of all the parcels. The drawing was exported to ArcGIS 10.3 where all other operations were carried out.

4.2 SPATIAL QUERY

Searching of data components using certain criteria of retrieving them from the database is known as spatial query. The information retrieved is used to support decision making. The Cadastral Information System (CIS) plays its role when a relational database is linked to graphics in real time.

A good Cadastral Information System (CIS) allows the user to select records or attributes in the database and to view the result on coverage displayed which can be printed on a hardcopy.

4.3 QUERY DESIGN

A query design is a precise definition of what is to be selected from the database. For example, the following queries designs were used in this project:

- 1. Query by P Status=Developed, P use=commercial
- 2. Query by P use = Residential
- 3. Query by P use = Residenial, P area = 1345.624sqm and Owners name = Mr Qudus

4.4 TESTING OF DATABASE

This is the test carried out to determine whether the relationship between the geometric data about the objects and their attributes is capable of being retrieved. This was done by designing a simple query and running the query to see if the desired result is

achieved. The query ran, hence the database was confirmed fit for analysis.

4.5 EXISTING PARCELS AND BLOCKS

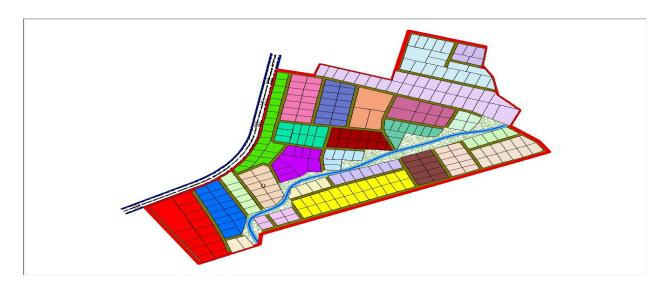


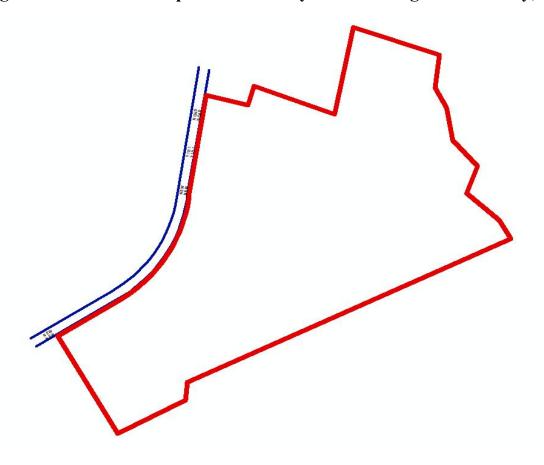
Fig 4.5.1:- the exported cadastral plan of the study area showing the blocks within the area



Fig 4.5.2:- the exported cadastral plan of the study area showing the all the parcels within the area.



Fig 4.5.3:- the cadastral plan of the study area showing the boundary,



4.6 SPATIAL QUERY

Queries were designed for the purpose of retrieving information from the database. The queries performed in this project gave answers to certain generic questions asked from the database. This was made possible as a result of the implicit link of both the spatial and attributes data. The queries were based on the products from the analysis carried out on the database.

4.6.1 Single Criterion Query

A single criterion is carried out where one condition is used to design query. This condition is used to retrieve the information from the database.

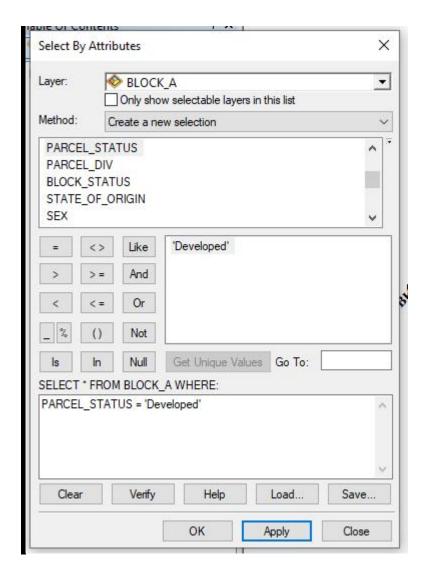


Fig 4.6.1.1:- Query for Parcel status for developed Purposes in the Study Area

SYNTAX; ([Parcel_status]) = 'developed')

4.6.2 Query by Parcel Status (Developed)



Fig 4.6.2.1: Result of Query for Parcel Used for Residential Area in block A in the study area

SYNTAX; ([Parcel_status]) = 'developed')

4.6.3 Discussion of Result

Figure 4.6.2.1 Shows parcels that are meant for developed purposes. It consists of the syntax model or the query builder box, attribute table as well as the map of the selected plot in light green color. The result shows that 8 parcels out of the 20 parcels are meant for commercial purposes.

4.6.4 Query by Parcel Status (commercial)

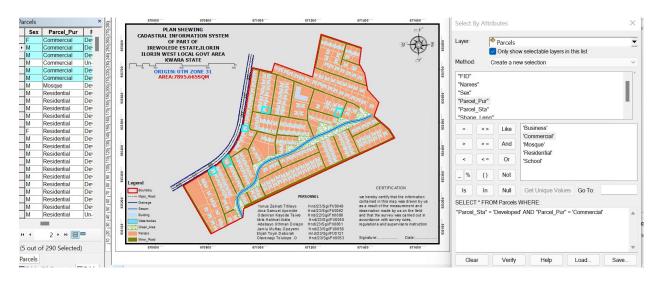


Fig 4.6.4.1: Result of Query for Parcels that are commercial purpose in the study area.

SYNTAX; ([Parcel status]) = 'commercial')

4.7 DISCUSSION OF RESULT

Figure 4.6.4.1 shows parcels that already have some type of commercial on it. It consists of the syntax model or the query builder box, attribute table as well as the map of the selected plot in light green color. The result shows that 5 parcels out of the 290 parcels have been developed. This information, however will help in informing the necessary quarters the level of development within the layout.

4.8 MULTIPLE CRITERIA QUERY

The database created is then used for implementing several selection queries in determination of user-defined requirements such as parcels whose occupiers are actual owners, occupier's citizenship, occupier's occupation, number of residents in each flat, selection of unoccupied flats and other such security.

4.8.1 Query By Parcel Use And Parcel Status (Parcels meant for school, residential, commercial purposes that are "Developed"

Query was carried out in two stages, parcels meant for residential purposes were first queried by means of the parcel use field. In this case parcel use was selection criteria. The shape file data of the query was exported as a layer and named accordingly. Next, the attribute table of the query result was queried by means of parcels meant for residential purposes that are yet to be developed i.e. Developed Parcels using the "Developed" selection criteria. This gives result for the parcels meant for residential purposes that are developed this also will help inform on the level of development within the layout.

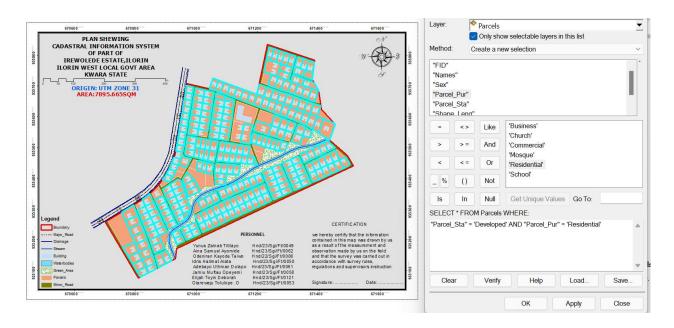


Fig 4.8.1.1: Screen print showing parcel use and parcel status in the layout.

SYNTAX; PARCEL_USE = 'Residential' AND PARCEL_STATUS = 'Developed'

Discussion of Result

Figure 4.8.1.1 shows the syntax modeled, the attribute table and the map of the multiple criteria queries ran on parcel meant for residential purposes and number of Developed residential purpose parcels within the study area, they are highlighted in Light green color. The result showed that 265 of the 290 parcels are developed.

4.8.2 Query By Parcel Use (Commercial) And Parcel Status (Parcels meant for commercial purposes that are "Developed")

Following the procedure in the query for parcels meant for residential purposes that are yet to be developed. All parcels meant for

commercial purposes were first queried and then, the resulting attribute table, query was carried out for parcel for which are Developed.

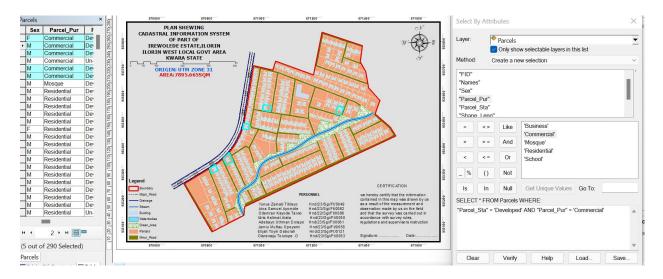


Fig 4..8.2.1: Screen print showing parcel meant for commercial purpose that are Developed in the layout.

SYNTAX; PARCEL_USE = 'Commercial' AND PARCEL_STATUS = 'Developed'4.7.2.1

Discussion of Result

Fig 4..8.2.1 shows the result of syntax modeled, attribute table as well as unformatted map of developed parcels meant for commercial purposes. The table shows that all the 5 parcels meant for commercial purposes are developed. This is a pointer to the high rate of commercial developments in the study area.

4.8.3 Query By 10m Proximity to the stream (Parcel within 10m proximity to the stream).

Following the procedure in the query for parcels within close proximity to the stream (10m), query was carried out to show the parcels within close range to the stream.

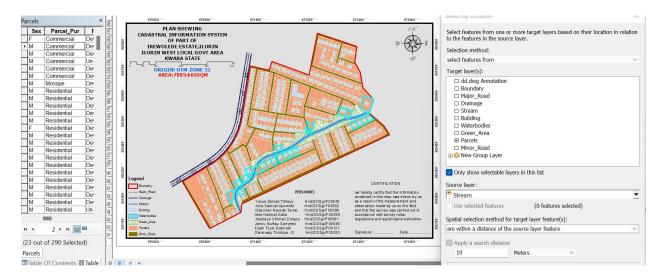


Fig 4.8.3.1: Screen print showing parcel parcel within 10m proximity to the stream

4.8.3.2 Discussion Of Result

Figure 4.8.3.1 shows the result of syntax modeled, attribute table. The table shows that only two out of all the parcels, only 25 parcel are within 10m proximity to the stream.

Fig4.8.5.4 Screen-shot showing the database created for the study area

Screen-shot showing the database created for the study area

FID	Namas	Cov	Parcel_Pur	Darroel Cto	Chana Lana	Aron
28	Names ISAAC JOY SALOMI	Sex M	Residential	Parcel_Sta Developed	Shape_Leng 100.80901	Area 613.908121
	OJERINDE HABEEBAT	F	Residential	Developed	101.56164	625.181046
	ABASS KAFAYAT OPEYEMI	F	Residential	Developed	103.03259	636.631459
	ABDULLAH YUSUF	М	Residential	Developed	104.31244	649.67201
	BAMIGBOSE IDOWU	M	Residential	Developed	105.587483	662.625595
	SOFIYULLAHI RIDWAN MAYOWA DANIEL	M	Residential Residential	Developed Developed	106.939212 108.038574	676.822452 689.65928
	MUHAMMAD MUSTAPHA	M	Residential	Developed	107.936789	687.097715
	SOLIU AMEEN	M	Residential	Developed	106.822062	675.62187
700000	OLUDIRAN IBRAHEEM	M	Residential	Developed	105.707409	664.146024
38	OLAYANJU ABDULKAREEM	M	Residential	Developed	104.592834	652.670179
	TAJUDEEN AISHAT	F	Residential	Developed	103.478341	641.194334
	KOLAWOLE SODEEQ	M	Residential	Developed	102.363935	629.718489
	ABDULRAHEEM KAFAYAT TOHEEB GAFAR	F M	Residential Residential	Developed Un-Developed	104.76305 175.151405	671.155649 1870.663541
	ABDULGAFAR BOLATITO	M	Residential	Developed	167.495547	1681.039498
	DAUDA MONSURAT	F	Residential	Developed	120.066864	877.183459
45	ISIAKA RASHEEDAT GBOLAGADE	F	Residential	Developed	115.204924	816.467938
	AYOOLA TOMILOLA	F	Residential	Developed	117.09239	839.705946
	ADEBAYO ISLAMIYAT ADEDIRE	F	Residential	Developed	114.007468	801.380015
	AJIMOTI JOSHUA	M F	Residential	Developed	111.854357	765.940963
	OYINDA TUNMININU HASSAN TEMITOPE	M	Residential Residential	Developed Developed	106.137332 105.754043	683.281183 679.277089
_	DAUDA AYOTUNDE	M	Residential	Developed	106.364176	685.988525
	ISIAKA RASHEEDAT ABIODUN	F	Residential	Developed	107.475154	697.997219
1	AYOOLA MEHEENAT	F	Residential	Developed	108.812981	712.71332
55	OLAMIDE ISLAMIYAT	F	Residential	Developed	106.97466	692.705467
	HASSAN ZAINAB	F	Residential	Developed	110.150814	727.429484
	JOHNSON MATHEW	M	Residential	Developed	107.465341	698.101328
	OYINDAMOLA?á FOLASHADE HASSAN ALAMEEN	F M	Residential Residential	Developed Developed	110.139162 106.530199	719.678061 685.661637
	OLATAYO OLUDAYO?á	M	Residential	Developed	106.649733	710.133671
-	ADENIKE?áBAMIDELE	M	Residential	Un-Developed	99.073175	469.546933
		M	Residential	Developed	106.450458	685.5898
	OLURONBI SHAKIRAH ABIODUN	F	Residential	Developed	106.83852	691.40124
FID	Names	Sex	Parcel_Pur	Parcel_Sta	Shape_Leng	Area
	LAWAL RIDWAN OLATAYO	M	Residential	Developed	106.450458	685.5898
	OLURONBI SHAKIRAH ABIODUN	F	Residential	Developed	106.83852	691.40124
0.4						
		M	Residential	Developed	106.838996	691.408691
65	AMUDA KEHINDE TEMIDAYO	М	Residential	Developed	106.838996	691.408691
65 66	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI	M F	Residential Residential	Developed Developed	106.838996 100.327653	691.408691 553.09928
65 66 67	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN	M F M	Residential Residential Residential	Developed Developed Developed	106.838996 100.327653 123.095783	691.408691 553.09928 853.297997
65 66 67 68	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI	M F	Residential Residential	Developed Developed	106.838996 100.327653	691.408691 553.09928
65 66 67 68 69	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING	M F M	Residential Residential Residential Residential	Developed Developed Developed Developed	106.838996 100.327653 123.095783 139.806614	691.408691 553.09928 853.297997 908.769314
65 66 67 68 69 70 71	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI	M F M M F M	Residential Residential Residential Residential Residential Residential Residential	Developed Developed Developed Developed Developed Developed Developed Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973
65 66 67 68 69 70 71 72	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE	M F M M F M M	Residential Residential Residential Residential Residential Residential Residential Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061
65 66 67 68 69 70 71 72 73	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH	M F M M F M M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244
65 66 67 68 69 70 71 72 73	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA	M F M M F M M M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513
65 66 67 68 69 70 71 72 73 74	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU	M F M M F M M M M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071 105.600637	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938
65 66 67 68 69 70 71 72 73 74 75	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN UJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE	M F M M F M M M M F M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071 105.600637 105.180614	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938 647.923936
65 66 67 68 69 70 71 72 73 74 75 76	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN UJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE	M F M M F M M M M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071 105.600637	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938
65 66 67 68 69 70 71 72 73 74 75 76 77	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI BRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE ADELEKE SAMUEL DAMILARE OLUSOLA GRACE OLANIKE LAWAL AZEEZ	M F M M M F M M M F M M M F M M F M F M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071 105.600637 105.180614 106.408896 104.710897	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938 641.613404 644.819371 661.613404
65 66 67 68 69 70 71 72 73 74 75 76 77 78 80	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE ADELEKE SAMUEL DAMILARE OLUSOLA GRACE OLANIKE LAWAL AZEEZ OLURONBI OLUWATOBI	M F M M M F M M M F M M F M F M M F M M M M F M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071 105.600637 105.180614 106.408896 104.710897 106.421191 103.767315	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938 647.923936 661.613404 644.819371 661.613404 635.971153
65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 80	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE ADELEKE SAMUEL DAMILARE OLUSOLA GRACE OLANIKE LAWAL AZEEZ OLURONBI OLUWATOBI ABIODUN SHAKIRAH	M F M M F M M F M M F M M F M M F M F M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071 105.600637 105.180614 106.408896 104.710897 106.421191 103.767315	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938 647.923936 661.613404 644.819371 661.613404 635.971153 661.388425
65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE ADELEKE SAMUEL DAMILARE OLUSOLA GRACE OLANIKE LAWAL AZEEZ OLURONBI OLUWATOBI ABIODUN SHAKIRAH IBIYEMI AMUDA	M F M M F M M F M M F M M F M M F M F M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071 105.600637 105.180614 106.408896 104.710897 106.421191 103.767315 106.409224 102.454796	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938 647.923936 661.613404 644.819371 661.613404 635.971153 661.388425 622.371739
65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81 82	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE ADELEKE SAMUEL DAMILARE OLUSOLA GRACE OLANIKE LAWAL AZEEZ OLURONBI OLUWATOBI ABIODUN SHAKIRAH IBIYEMI AMUDA ADEWUYI ADEBOLA	M F M M M F M M M M F M M F M M F M M F M M M F M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.84207 105.180614 106.408896 104.710897 106.421191 103.767315 106.409224 102.454796 106.398654	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938 647.923936 661.613404 635.971153 661.388425 622.371739 661.332571
65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE ADELEKE SAMUEL DAMILARE OLUSOLA GRACE OLANIKE LAWAL AZEEZ OLURONBI OLUWATOBI ABIODUN SHAKIRAH BISIYEMI AMUDA ADEWUYI ADEBOLA AZEEZ MALIK OLALEKAN	M F M M M F M M M F M M F M M F M M F M M M F M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071 105.600637 105.180614 106.408896 104.710897 106.421191 103.767315 106.409224 102.454796 106.398654 96.142082	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938 647.923936 661.613404 644.819371 661.613404 635.971153 661.338425 622.371739 661.332571 541.059423
65 66 67 68 69 70 71 72 73 74 75 76 77 80 81 81 82 83 84	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE ADELEKE SAMUEL DAMILARE OLUSOLA GRACE OLANIKE LAWAL AZEEZ OLURONBI OLUWATOBI ABIODUN SHAKIRAH IBIYEMI AMUDA ADEWUYI ADEBOLA	M F M M M F M M M M F M M F M M F M M F M M M F M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.84207 105.180614 106.408896 104.710897 106.421191 103.767315 106.409224 102.454796 106.398654	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938 647.695938 641.613404 644.819371 661.613404 635.971153 661.388425 622.371739 661.332571 541.059423 583.983402
65 66 67 67 69 70 71 72 73 73 74 4 75 76 67 77 77 88 81 82 83 83 84 85 86 89 89 80 80 80 80 80 80 80 80 80 80 80 80 80	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE ADELEKE SAMUEL DAMILARE OLUSOLA GRACE OLANIKE LAWAL AZEEZ OLURONBI OLUWATOBI ABIODUN SHAKIRAH IBIYEMI AMUDA ADEWUYI ADEBOLA AZEEZ MALIK OLALEKAN OJO OLAOTAN BLESSING AINA RAJI MUSBAUDEEN	M F M M F M M M F M M M M M M M M M M M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071 105.600637 105.180614 106.408896 104.710897 106.421191 103.767315 106.49224 102.454796 106.398654 96.142082 98.986545 99.789708	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938 647.923936 661.613404 635.971153 661.388425 622.371739 661.332571 541.059423 583.983402 596.083747 596.083175
65 66 66 67 68 69 70 71 72 73 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE ADELEKE SAMUEL DAMILARE OLUSOLA GRACE OLANIKE LAWAL AZEEZ OLURONBI OLUWATOBI ABIODUN SHAKIRAH IBIYEMI AMUDA ADEWUYI ADEBOLA AZEEZ MALIK OLALEKAN OJO OLAOTAN BLESSING AINA RAJI MUSBAUDEEN ADEDOKUN ISAAC	M F M M M F M M M M M M M M M M M M M M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071 105.600637 105.180614 106.408896 104.710897 106.421191 103.767315 106.49224 102.454796 106.398654 96.142082 98.986545 99.789708 99.789669	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938 647.923936 661.613404 644.819371 661.338425 622.371739 661.332571 541.059423 583.983402 596.083747 596.083747 596.083747
65 66 66 67 68 69 70 71 72 73 74 4 75 76 77 78 80 80 83 84 4 85 86 87 88 89 89	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE ADELEKE SAMUEL DAMILARE OLUSOLA GRACE OLANIKE LAWAL AZEEZ OLURONBI OLUWATOBI ABIODUN SHAKIRAH IBIYEMI AMUDA ADEWUYI ADEBOLA AZEEZ MALIK OLALEKAN OJO OLAOTAN BLESSING AINA RAJI MUSBAUDEEN ADEDOKUN ISAAC ALONGE	M F M M F M M M M M M M M M M M M M M M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.84207 105.180614 106.408896 104.710897 106.421191 103.767315 106.409224 102.454796 106.398654 96.142082 99.789669 99.789669 99.789669	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938 647.923936 661.613404 635.971153 661.338425 622.371739 661.332571 541.059423 583.983402 596.083747 596.083482 596.083482 524.773433
655 666 677 688 699 700 711 722 733 744 755 766 777 788 801 812 828 833 844 855 866 877 878 878 878 878 878 878 878 878	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI BRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE ADELEKE SAMUEL DAMILARE OLUSOLA GRACE OLANIKE LAWAL AZEEZ OLURONBI OLUWATOBI ABIODUN SHAKIRAH IBIYEMI AMUDA ADEWUYI ADEBOLA AZEEZ MALIK OLALEKAN OJO OLAOTAN BLESSING AINA RAJI MUSBAUDEEN ADEDOKUN ISAAC ALONGE FAKUNLE OLADAYO	M F M M M F M M M M M M M M M M M M M M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071 105.600637 105.180614 106.408896 104.710897 106.421191 103.767315 106.409224 102.454796 106.398654 99.789708 99.789669 99.789691 95.057574 97.849432	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938 647.923936 661.613404 635.971153 661.388425 622.371739 661.332571 541.059423 583.983402 596.083747 596.083745 596.083745 596.083745 596.083745
65 666 67 67 69 70 71 72 73 74 75 76 67 77 78 80 81 81 82 83 84 85 86 89 99 99 90	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE ADELEKE SAMUEL DAMILARE OLUSOLA GRACE OLANIKE LAWAL AZEEZ OLURONBI OLUWATOBI ABIODUN SHAKIRAH IBIYEMI AMUDA ADEWUYI ADEBOLA AZEEZ MALIK OLALEKAN OJO OLAOTAN BLESSING AINA RAJI MUSBAUDEEN ADEDOKUN ISAAC ALONGE FAKUNLE OLADAYO AKUMA ADEBAYO	M F M M F M M M M F M M M M M M M M M M	Residential	Developed	106.838996 100.327653 123.095783 139.806613 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071 105.600637 105.180614 106.408896 104.710897 106.421191 103.767315 106.409224 102.454796 106.398654 99.789708 99.789691 95.057574 97.849432 98.051886	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938 647.923936 661.613404 644.819371 661.8384425 622.371739 661.332571 541.059423 583.983402 596.083474 596.083485 524.773433 570.481191 578.826988
655 666667777717227337447557667777788808818182883884588888888999999999999999999999999	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNIE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE ADELEKE SAMUEL DAMILARE OLUSOLA GRACE OLANIKE LAWAL AZEEZ OLURONBI OLUWATOBI ABIODUN SHAKIRAH IBIYEMI AMUDA ADEWUYI ADEBOLA AZEEZ MALIK OLALEKAN OJO OLAOTAN BLESSING AINA RAJI MUSBAUDEEN ADEDOKUN ISAAC ALONGE FAKUNLE OLADAYO AKUMA ADEBAYO OLUWASEUN ABIODUN	M F M M M M M M M M M M M M M M M M M M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071 105.600637 105.180614 106.408896 104.71089 106.421191 103.767315 106.409224 102.454796 106.3986545 98.986545 99.789699 99.789699 99.789699 99.789708 99.789699 99.789797 97.849432 98.057854	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.692538 647.923936 661.613404 635.971153 661.388425 622.371739 661.385425 561.385425 596.083747 596.083747 596.083175 596.083175 596.083185 570.481191 578.826988 569.289355
65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90 91	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNLE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE ADELEKE SAMUEL DAMILARE OLUSOLA GRACE OLANIKE LAWAL AZEEZ OLURONBI OLUWATOBI ABIODUN SHAKIRAH IBIYEMI AMUDA ADEWUYI ADEBOLA AZEEZ MALIK OLALEKAN OJO OLAOTAN BLESSING AINA RAJI MUSBAUDEEN ADEDOKUN ISAAC ALONGE FAKUNLE OLADAYO AKUMA ADEBAYO	M F M M F M M M M F M M M M M M M M M M	Residential	Developed	106.838996 100.327653 123.095783 139.806613 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071 105.600637 105.180614 106.408896 104.710897 106.421191 103.767315 106.409224 102.454796 106.398654 99.789708 99.789691 95.057574 97.849432 98.051886	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.695938 647.923936 661.613404 644.819371 661.332571 541.059423 583.983402 596.083747 596.083747 596.083745 596.083745 596.083747 596.083745 596.083
65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 80 81 82 83 84 85 86 87 88 99 90 91 92 93 94	AMUDA KEHINDE TEMIDAYO ADEWUYI TEMITAYO ADEWUMI AZEEZ MALIK OLALEKAN OJO OLAOTAN OLANREWAJU OLAYANJU YINKA BLESSING RAJI IBRAHIM BABATUNDE ADEJOKUN ISAAC JESUFEMI ALONGE WAHEED BABATUNDE FAKUNIE FUNMIBI JULIANAH OBASI DANIEL AKUMA TAJUDEEN RASHIDAT OLUWASEU AYELAAGBE YEKEEN KUNLE ADELEKE SAMUEL DAMILARE OLUSOLA GRACE OLANIKE LAWAL AZEEZ OLURONBI OLUWATOBI ABIODUN SHAKIRAH IBIYEMI AMUDA ADEWUYI ADEBOLA AZEEZ MALIK OLALEKAN OJO OLAOTAN BLESSING AINA RAJI MUSBAUDEEN ADEDOKUN ISAAC ALONGE FAKUNLE OLADAYO AKUMA ADEBAYO OLUWASEUN ABIODUN AYELAAGBE JOMILOJU	M F M M M M M M M M M M M M M M M M M M	Residential	Developed	106.838996 100.327653 123.095783 139.806614 110.894569 105.742356 106.367158 109.975857 105.782383 103.842071 105.600637 105.180614 106.408896 104.710897 106.421191 103.767315 106.49224 102.454796 106.398654 96.142082 99.789708 99.789669 99.789669 99.789691 95.057574 97.849432 98.951886 96.910756 94.988402	691.408691 553.09928 853.297997 908.769314 718.296953 643.551136 654.047973 712.726061 650.464244 620.792513 647.692538 647.923936 661.613404 635.971153 661.388425 622.371739 661.385425 561.385425 596.083747 596.083747 596.083175 596.083175 596.083185 570.481191 578.826988 569.289355

FID	Names	Sex	Parcel_Pur	Parcel_Sta	Shape_Leng	Area
96	OLANREWAJU BABATUNDE	М	Residential	Developed	115.262386	721.813479
	DADA TOSIN DAVID	М	Residential	Developed	115.262386	721.813479
	SAMUEL DAMILARE	M F	Residential	Developed	111.283872	638.355329
	TAJUDEEN RASHIDAT GBOLAGADE HAJARAT	F	Residential Residential	Developed Developed	119.409724 121.845887	815.247505 849.391306
	OBASI DANIEL	M	Residential	Developed	109.190771	669.871424
	FUNMIBI JULIANAH	F	Residential	Developed	182.273922	2057.040934
	WAHEED BABATUNDE	M	Residential	Developed	119.353972	844.734413
Charles and the Control of the Contr	WAHEED BABATUNDE	M	Residential	Developed	119.353972	844.734413
	ADEPOJU HIKMAT	F	Residential	Developed	120.086227	853.190484
	OLAYANJU YINKA RIDWAN ABDULKHALID	M	Residential Residential	Developed Developed	120.452354 120.818481	857.418519 861.646555
	OLUDIRAN SOLIU	M	Residential	Developed	122.246264	868.054214
	SALAM HAFSAT	F	Residential	Developed	128.735422	946.188877
	YEKEEN KUNLE	M	Residential	Developed	138.509838	1059.063842
	IBRAHIM BABATUNDE	M	Residential	Developed	118.987845	840.506377
	MUHAMMAD HALIMAH ADESOLA MUSBAU TIMILEYIN FARIDAH	F	Residential Residential	Developed	118.620388	836.254701
	YUSUF BUSIRAT BUKOLA	F	Residential	Developed Developed	118.255612 117.889485	832.050547 827.822511
	AKINOLA MUNIRAT TOMIWA	F	Residential	Developed	117.270363	820.710958
116	ADEBIYI TOHEEB MAYOWA	М	Residential	Developed	116.573081	812.636845
	OGUNMOLA CHRISTIANAH	F	Residential	Developed	116.040248	806.483688
	SANNI?áOLUWASHIKEMI	F	Residential	Developed	106.870159	645.847431
	OLABUKOLA BUSHIRAT TOHEEB ADEBIYI	F M	Residential Residential	Developed	186.382937	2152.773883 836.551344
	OLUWASIKEMI MUSBAU	M	Residential	Developed Developed	114.849098 110.150299	711.530616
	YUSUF HAMZAT	M	Residential	Developed	106.14791	669.905777
123	AKINOLA MUSHAFAR	М	Residential	Developed	102.145522	628.280938
-	MUHEEANAT OLAKUNLE	M	Residential	Developed	98.143134	586.656099
	TIMILEYIN TOHEEBAT	F	Residential	Developed	82.520746	282.92184
	OLUWATOSIN KOLAWOLE AHMED OYINDAMOLA	M F	Residential Residential	Developed Developed	92.998738 93.038564	534.492959 534.907143
	OLADEPO MUHAMMAD	M	Residential	Developed	93.517586	539.91052
	OLATAYO IBRAHEEM	M	Residential	Developed	94.439949	549.50309
130	ONI OLUBUNMI	M	Residential	Developed	96.284673	568.688229
FID	Names	Sex	Parcel Pur	Parcel Sta	Shape Leng	
FID	Names USMAN ADEWALE		Parcel_Pur Residential	Parcel_Sta Developed	Shape_Leng 97.207036	Area
131 132	Names USMAN ADEWALE ADEWALE ADETUNJI	Sex M M	Parcel_Pur Residential Residential	Parcel_Sta Developed Developed	97.207036 98.129398	Area 578.280799 587.873369
131 132 133	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT	M M F	Parcel_Pur Residential Residential Residential	Parcel_Sta Developed Developed Developed	97.207036 98.129398 99.051761	Area 578.280799 587.873369 597.465938
131 132 133 134	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR	M M F M	Parcel_Pur Residential Residential Residential Residential	Parcel_Sta Developed Developed Developed Developed	97.207036 98.129398 99.051761 99.974123	Area 578.280799 587.873369 597.465938 607.058508
131 132 133 134 135	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN	M M F M	Parcel_Pur Residential Residential Residential Residential Residential	Parcel_Sta Developed Developed Developed Developed Developed Developed	97.207036 98.129398 99.051761 99.974123 97.948325	Area 578.280799 587.873369 597.465938 607.058508 567.904525
131 132 133 134 135 136	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR	M M F M	Parcel_Pur Residential Residential Residential Residential	Parcel_Sta Developed Developed Developed Developed	97.207036 98.129398 99.051761 99.974123	Area 578.280799 587.873369 597.465938 607.058508 567.904525
131 132 133 134 135 136 137	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ	M M F M M	Parcel_Pur Residential Residential Residential Residential Residential Residential Residential	Parcel_Sta Developed Developed Developed Developed Developed Developed Developed	97.207036 98.129398 99.051761 99.974123 97.948325 115.534201	Area 578.280799 587.873369 597.465938 607.058508 567.904525 813.220951 675.62187
FID 131 132 133 134 135 136 137 138 139	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE	M M F M M M M M M M M F M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{97.207036}{98.129398}\$ \text{99.051761}{99.974123}\$ \text{97.948325}{115.534201}\$ \text{106.822062}{105.707409}\$ \text{104.592834}	Area 578.280799 587.873369 597.465938 607.058508 567.904525 813.220951 675.62187 664.146024 652.670179
131 132 133 134 135 136 137 138 139	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI	Sex M M F M M M M F M F F F F	Parcel_Pur Residential	Parcel_Sta Developed	97.207036 98.129398 99.051761 99.974123 97.948325 115.534201 106.822062 105.707409 104.592834 103.478341	Area 578.280799 587.873369 597.465938 607.058508 567.904525 675.62187 664.146024 652.670179 641.194334
FID 131 132 133 134 135 136 137 138 139 140 141	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF	Sex M M F M M M M F M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	97.207036 98.129398 99.051761 99.974123 97.948325 115.534201 106.822062 105.707409 104.592834 103.478341 102.363935	Area 578.280799 587.873369 597.465938 607.058508 567.904525 813.220951 675.62187 664.146024 652.670179 641.194334 629.718489
FID 131 132 133 134 135 136 137 138 139 140 141 142	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE	Sex M M F M M M M F M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\mathbf{shape_Leng}}{97.207036}\$ \text{98.129398}\$ \text{99.951761}\$ \text{99.974123}\$ \text{97.948325}\$ \text{115.534201}\$ \text{106.822062}\$ \text{105.707409}\$ \text{104.4592834}\$ \text{103.478341}\$ \text{102.363935}\$ \text{104.457933}\$	Area 578.280799 587.873369 597.465938 607.058508 567.904525 813.220951 675.62187 664.146024 652.670179 641.194334 629.718489 666.706041
FID 131 132 133 134 135 136 137 138 139 140 141 142 143	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE ABDULSALAM ORIYOMI	Sex M M F M M M M F M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	97.207036 98.129398 99.051761 99.974123 97.948325 115.534201 106.822062 105.707409 104.592834 103.478341 102.363935	Area 578.280799 587.873369 597.465938 607.058508 567.904525 813.220951 675.62187 664.146024 652.670179 641.194334 629.718489 666.706041 784.981667
FID 131 132 133 134 135 136 137 138 139 140 141 142 143 144	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE	Sex M M F M M M M F M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	97.207036 98.129398 99.05176 99.974123 97.948325 115.534201 106.822062 105.707409 104.59283 103.478341 102.363935 104.457933 112.861811	Area 578.280799 587.873369 597.465938 607.058508 567.904525 813.220951 675.62187 664.146024 652.670179 641.194334 629.718489 666.706041
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA	Sex M M F M M M M M M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\text{Shape_Leng}}{97.207036}\$ \text{98.129398}\$ \text{99.05176}\$ \text{99.974123}\$ \text{97.948325}\$ \text{115.534201}\$ \text{106.822062}\$ \text{105.707409}\$ \text{104.459334}\$ \text{102.363935}\$ \text{104.457933}\$ \text{112.861811}\$ \text{105.587483}\$	Area 578.280799 587.873369 597.465938 607.058508 567.904525 813.220951 675.62187 664.146024 652.670179 641.194334 629.718489 666.706041 784.981667 662.625595 695.541056 645.854738
FID 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA ADESHINA MISTURAH	Sex M M F M M M M M M M M M M M M F F M M M M M M M F F F M M M M M M F F F F M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\mathbb{Shape_Leng}}{97.207036}\$ \text{98.129398}\$ \text{99.051761}\$ \text{99.974123}\$ \text{97.948325}\$ \text{115.534201}\$ \text{106.822062}\$ \text{105.707409}\$ \text{104.592834}\$ \text{103.478341}\$ \text{102.363935}\$ \text{104.457933}\$ \text{112.861811}\$ \text{105.587483}\$ \text{108.099246}\$ \text{103.728473}\$ \text{104.871396}\$	Area 578.280799 587.873369 597.465938 607.058508 567.904525 813.220951 675.62187 664.146024 652.670179 641.194334 629.718489 666.706041 784.981667 662.625595 695.541056 645.854738 664.341344
FID 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA ADESHINA MISTURAH MUHAMAD KAFAYAT	Sex M M F M M M M F F M M M M M F F F F M M M M M F	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\mathbb{Shape_Leng}}{97.207036}\$ \text{98.129398}\$ \text{99.90.5176}\$ \text{99.974123}\$ \text{97.948325}\$ \text{115.534201}\$ \text{106.822062}\$ \text{105.707409}\$ \text{104.459233}\$ \text{102.363935}\$ \text{104.457933}\$ \text{112.861811}\$ \text{105.587483}\$ \text{108.099246}\$ \text{103.728473}\$ \text{104.871396}\$ \text{104.966252}\$	Area 578.280799 587.873369 597.465938 607.058508 607.058508 613.220951 675.62187 664.146024 652.670179 641.194334 629.718489 666.706041 784.981667 662.625595 695.541056 645.854738 664.341344 665.357726
FID 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ABBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA ADESHINA MISTURAH MUHAMAD KAFAYAT SULAMON TAIWO	Sex M M F M M M M F M M M M M M F F M M M M F F M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\mathbb{Shape_Leng}}{97.207036}\$ \text{98.129398}\$ \text{99.90.5176}\$ \text{99.974123}\$ \text{97.948325}\$ \text{115.534201}\$ \text{106.822062}\$ \text{105.707409}\$ \text{104.459233}\$ \text{102.363935}\$ \text{104.457933}\$ \text{112.861811}\$ \text{105.587483}\$ \text{108.099246}\$ \text{103.728473}\$ \text{104.871396}\$ \text{104.966252}\$ \text{105.061108}\$	Area 578.280799 587.873369 597.465938 607.058508 607.058508 613.220951 675.62187 664.146024 652.670179 641.194334 629.718489 666.706041 784.981667 662.625595 695.541056 645.854738 664.341344 665.357726
FID 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIJAT AADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA ADESHINA MISTURAH MUHAMAD KAFAYAT SULAIMON TAIWO KOFOWOROLA MISTURAH	Sex M M M F F M M M M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\mathrm{Shape_Leng}}{97.207036}\$ \text{98.129398}\$ \text{99.90.5176}\$ \text{99.974123}\$ \text{97.948325}\$ \text{115.534201}\$ \text{106.822062}\$ \text{105.707409}\$ \text{104.592834}\$ \text{102.363935}\$ \text{104.457933}\$ \text{112.861811}\$ \text{105.587483}\$ \text{108.099246}\$ \text{103.728473}\$ \text{104.871396}\$ \text{104.871396}\$ \text{104.966252}\$ \text{105.061108}\$ \text{105.155964}\$	Area 578.280799 587.873369 597.465938 607.058508 567.904525 813.220951 675.62187 664.146024 652.670179 641.194334 629.718489 666.706041 784.981667 662.625595 695.541056 645.854738 664.341344 665.357726 666.374108
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 152	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ABBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA ADESHINA MISTURAH MUHAMAD KAFAYAT SULAMON TAIWO	Sex M M F M M M M F M M M M M M F F M M M M F F M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\mathbb{Shape_Leng}}{97.207036}\$ \text{98.129398}\$ \text{99.90.5176}\$ \text{99.974123}\$ \text{97.948325}\$ \text{115.534201}\$ \text{106.822062}\$ \text{105.707409}\$ \text{104.459233}\$ \text{102.363935}\$ \text{104.457933}\$ \text{112.861811}\$ \text{105.587483}\$ \text{108.099246}\$ \text{103.728473}\$ \text{104.871396}\$ \text{104.966252}\$ \text{105.061108}\$	Area 578.280799 587.873369 597.465938 607.058508 567.904525 813.220951 675.62187 664.146024 652.670179 641.194334 629.718489 666.706041 784.981667 662.625595 695.541056 645.854738 664.341344 665.357726 666.374108 667.39049 668.406872
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 152 153	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA ADESHINA MISTURAH MUHAMAD KAFAYAT SULAIMON TAIWO KOFOWOROLA MISTURAH AFEEZ KAYODE	Sex M M F M M M M M M M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\mathrm{Shape_Leng}}{97.207036} \text{98.129398} \text{99.051761} \text{99.974123} \text{97.948325} \text{115.534201} \text{106.822062} \text{105.707409} \text{104.592834} \text{103.478341} \text{102.363935} \text{104.457933} \text{112.86181} \text{105.587483} \text{108.09246} \text{103.728473} \text{104.871396} \text{105.061108} \text{105.061108} \text{105.0561282} \text{105.25082}	Area 578.280799 587.873369 597.465938 607.058508 567.904525 813.220951 675.62187 664.146024 652.670179 641.194334 629.718489 666.706041 784.981667 662.625595 695.541056 645.854738 664.341344 665.357726 666.374108 667.39049 668.406872 509.538655
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 150 152 153 154 155	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA ADESHINA MISTURAH MUHAMAD KAFAYAT SULAIMON TAIWO KOFOWOROLA MISTURAH AFEEZ KAYODE IBARAHEEN AZEEZ OLORIEGBE ABDULGAFAR AHMAD IBRAHIM	Sex M M M F M M M M M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\mathrm{Shape_Leng}}{97.207036}\$ \text{98.129398}\$ \text{99.05176}\$ \text{99.974123}\$ \text{97.948325}\$ \text{115.534201}\$ \text{106.822062}\$ \text{105.707409}\$ \text{103.478341}\$ \text{102.363935}\$ \text{104.457933}\$ \text{112.861811}\$ \text{105.587483}\$ \text{103.728473}\$ \text{104.871396}\$ \text{104.966252}\$ \text{105.061108}\$ \text{105.155982}\$ \text{96.012846}\$ \text{106.137303}\$ \text{106.327309}\$	Area 578.280799 587.873369 597.465938 607.058508 607.058508 637.904525 813.220951 675.62187 664.146024 652.670179 641.194334 629.718489 666.706041 784.981667 662.625595 695.541056 645.854738 664.341344 665.357726 666.374108 667.39049 668.406872 509.538655 677.868689 679.904609
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 150 152 153 154 155	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA ADESHINA MISTURAH MUHAMAD KAFAYAT SULAIMON TAIWO KOFOWOROLA MISTURAH AFEEZ KAYODE IBARAHEEN AZEEZ OLORIEGGBE ABDULGAFAR AHMAD IBRAHIM AMINAT DAMILOLA	Sex M M M F M M M M M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\mathbb{Shape_Leng}}{97.207036}\$ \text{98.129398}\$ \text{99.05176}\$ \text{99.974123}\$ \text{97.948325}\$ \text{115.534201}\$ \text{106.822062}\$ \text{105.707409}\$ \text{104.459233}\$ \text{103.478341}\$ \text{102.363935}\$ \text{104.457933}\$ \text{112.861811}\$ \text{105.587483}\$ \text{108.099246}\$ \text{108.728473}\$ \text{104.871396}\$ \text{104.966252}\$ \text{105.061108}\$ \text{105.155964}\$ \text{105.25082}\$ \text{96.012846}\$ \text{106.137303}\$ \text{106.327309}\$ \text{106.517316}\$	Area 578.280799 587.873369 597.465938 607.058508 607.058508 617.904525 813.220951 675.62187 664.146024 652.670179 641.194334 666.706041 784.981667 662.625595 695.541056 645.357726 666.374108 667.39049 668.406872 509.538655 677.868689 679.904609
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 150 152 153 154 155 156 157	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA ADESHINA MISTURAH MUHAMAD KAFAYAT SULAIMON TAIWO KOFOWOROLA MISTURAH AFEEZ KAYODE IBARAHEEN AZEEZ OLORIEGBE ABDULGAFAR AHMAD IBRAHIM AMINAT DAMILOLA OPEYEMI SAMSON	Sex M M M F M M M M M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\mathrm{Shape_Leng}}{97.207036}\$ \text{98.129398}\$ \text{99.05176}\$ \text{99.974123}\$ \text{97.948325}\$ \text{115.534201}\$ \text{106.822062}\$ \text{105.707409}\$ \text{104.592834}\$ \text{102.363935}\$ \text{112.861811}\$ \text{105.587483}\$ \text{108.099246}\$ \text{103.728473}\$ \text{104.871396}\$ \text{104.871396}\$ \text{105.155964}\$ \text{105.155964}\$ \text{106.137303}\$ \text{106.327309}\$ \text{106.517316}\$ \text{106.707322}\$	Area 578.280799 587.873369 597.465938 607.058508 607.058508 607.904525 813.220951 675.62187 664.146024 652.670179 641.194334 666.706041 784.981667 662.625595 695.541056 664.341344 665.357726 666.374108 667.39049 668.406872 509.538655 677.868689 679.904609 681.940528
131 132 133 134 135 136 137 138 140 141 142 143 144 145 146 147 148 149 150 152 153 154 155 156 157	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEVEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA ADESHINA MISTURAH MUHAMAD KAFAYAT SULAIMON TAIWO KOFOWOROLA MISTURAH AFEEZ KAYODE IBARAHEEN AZEEZ OLORIEGBE ABDULGAFAR AHMAD IBRAHIM AMINAT DAMILOLA OPEYEMI SAMSON MUSA SAHEED	Sex M M M M M M M M M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\mathbb{shape_Leng}}{97.207036}\$ 98.129398 99.051761 99.974123 97.948325 115.534201 106.822062 105.707409 104.592834 103.478341 102.363935 104.457933 112.86181 105.587483 108.099246 103.728473 104.966252 105.061108 105.155964 105.25082 96.012846 106.137303 106.517316 106.707322 105.762841	Area 578.280799 587.873399 597.465938 607.058508 567.904525 813.220951 675.62187 664.146024 652.670179 641.194334 629.718489 666.706041 784.981667 662.625595 695.541056 645.854738 664.341344 665.357726 666.374108 667.39049 668.406872 509.538655 677.868689 679.904609 681.940528 683.976448 666.956727
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 150 152 153 154 155 156 157	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN ISSA ADESHINA MISTURAH MUHAMAD KAFAYAT SULAMON TAIWO KOFOWOROLA MISTURAH AFEEZ KAYODE IBARAHEEN AZEEZ OLORIEGBE ABDULGAFAR AHMAD IBRAHIM AMINAT DAMILOLA OPEYEMI SAMSON MUSA SAHEED ADEWALE ABDULWASIU	Sex M M M M M M M M M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\mathbb{shape_Leng}}{97.207036}\$ 98.129398\$ 99.051761\$ 99.974123\$ 97.948325\$ 115.534201\$ 106.822062\$ 105.707409\$ 104.592834\$ 103.478341\$ 102.363935\$ 112.861811\$ 105.587483\$ 108.099246\$ 103.728473\$ 104.871396\$ 104.966252\$ 105.061108\$ 105.155964\$ 105.25082\$ 96.012846\$ 106.37303\$ 106.327309 106.517316\$ 106.707322\$ 105.762841\$ 106.897329	Area 578.280799 587.873369 597.465938 607.058508 567.904525 813.220951 675.62187 664.146024 652.670179 641.194334 629.718489 666.706041 784.981667 662.625955 695.541056 645.854738 664.341344 665.357726 666.374108 667.39049 688.406872 509.538655 677.868689 679.904609 681.940528 683.976448 666.956727 686.012367
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 150 152 153 154 155 156 157 158 159 160	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEVEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA ADESHINA MISTURAH MUHAMAD KAFAYAT SULAIMON TAIWO KOFOWOROLA MISTURAH AFEEZ KAYODE IBARAHEEN AZEEZ OLORIEGBE ABDULGAFAR AHMAD IBRAHIM AMINAT DAMILOLA OPEYEMI SAMSON MUSA SAHEED	Sex M M M M M M M M M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\mathbb{shape_Leng}}{97.207036}\$ 98.129398 99.051761 99.974123 97.948325 115.534201 106.822062 105.707409 104.592834 103.478341 102.363935 104.457933 112.86181 105.587483 108.099246 103.728473 104.966252 105.061108 105.155964 105.25082 96.012846 106.137303 106.517316 106.707322 105.762841	Area 578.280799 587.873369 597.465938 607.058508 607.058508 637.904525 813.220951 675.62187 664.146024 652.670179 664.194334 669.718489 666.706041 784.981667 662.625595 695.541056 645.854738 664.341344 665.357726 666.374108 667.39049 668.406872 509.538655 677.868689 679.904609 681.940528 683.976448 666.955077 686.012367
Tide	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA ADESHINA MISTURAH MUHAMAD KAFAYAT SULAIMON TAIWO KOFOWOROLA MISTURAH AFEEZ KAYODE IBARAHEEN AZEEZ OLORIEGGE ABDULGAFAR AHMAD IBRAHIM AMINAT DAMILOLA OPEYEMI SAMSON MUSA SAHEED ADEWALE ABDULWASIU HAMEED SHAMSUDEEN ADEBAYO MUBARAQ BILAL MUBARAK	Sex M M M M M M M M M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\mathbb{shape_Leng}}{97.207036}\$ \text{98.129398}\$ \text{99.05176}\$ \text{99.974123}\$ \text{97.948325}\$ \text{115.534201}\$ \text{106.822062}\$ \text{105.707409}\$ \text{104.459233}\$ \text{103.478341}\$ \text{102.363935}\$ \text{104.457933}\$ \text{112.861811}\$ \text{105.587483}\$ \text{108.099246}\$ \text{108.099246}\$ \text{105.155964}\$ \text{105.25082}\$ \text{96.012846}\$ \text{106.137303}\$ \text{106.37309}\$ \text{106.707322}\$ \text{105.762848}\$ \text{106.975288}\$ \text{106.266681}\$ \text{106.476073}\$	Area 578.280799 587.873369 597.465938 607.058508 607.058508 657.904525 813.220951 675.62187 664.146024 652.670179 641.194334 666.706041 784.981667 662.625595 695.541056 645.854738 664.341344 665.357726 666.374108 667.39049 668.406872 509.538655 677.868689 679.904609 681.940528 683.976448 666.956727 686.012367 676.952074 679.195718
FID 131 132 133 134 135 136 137 138 140 141 142 143 144 145 146 147 148 149 150 152 153 154 155 156 157 158 159 160 161 162 163	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEVEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA ADESHINA MISTURAH MUHAMAD KAFAYAT SULAIMON TAIWO KOFOWOROLA MISTURAH AFEEZ KAYODE IBARAHEEN AZEEZ OLORIEGBE ABDULGAFAR AHMAD IBRAHIM AMINAT DAMILOLA OPEYEMI SAMSON MUSA SAHEED ADEWALE ABDULWASIU HAMEED SHAMSUDEEN ADEBAYO MUBARAQ BILAL MUBARAK AWWAL SULAIMAN	Sex M M M M M M M M M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	\$\text{Shape_Leng}\$ 97.207036 98.129398 99.051761 99.974123 97.948325 115.534201 106.822062 105.707409 104.592834 103.478341 102.363935 104.457933 112.86181 105.587483 108.099246 103.728473 104.871396 104.96625 96.012846 106.137303 106.327303 106.517316 106.707322 105.762841 106.897329 106.677322 105.762841 106.897329 106.67673	Area 578.280799 587.873399 597.465938 607.058508 567.904525 813.220951 675.62187 664.146024 652.670179 641.194334 629.718489 666.706041 784.981667 662.625595 695.541056 645.854738 664.341344 665.357726 666.374108 667.39049 688.406872 509.538655 677.888689 679.904609 681.940528 683.976448 666.956727 686.012367 676.952074 679.195718 681.439362 683.683005
FID 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 152 153 154 155 166 161 162 163 164	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMERAT ORIYOMI ABDULSALAM YUSUF ADEYEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA ADESHINA MISTURAH MUHAMAD KAFAYAT SULAIMON TAIWO KOFOWOROLA MISTURAH AFEEZ KAYODE IBARAHEEN AZEEZ OLORIEGBE ABDULGAFAR AHMAD IBRAHIM AMINAT DAMILOLA OPEYEMI SAMSON MUSA SAHEED ADEWALE ABDULWASIU HAMEED SHAMSUDEEN ADEBAYO MUBARAQ BILAL MUBARAK AWWAL SULAIMAN MUBARAK BABATUNDE	Sex M M M M M M M M M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	\$\frac{\mathbb{shape_Leng}}{97.207036}\$ 98.129398 99.051761 99.974123 97.948325 115.534201 106.822062 105.707409 104.592834 103.478341 102.363935 104.457933 112.861811 105.587483 108.099246 103.728473 104.871396 104.966252 105.061108 106.137303 106.327309 96.012846 106.327309 106.517316 106.707322 105.762841 106.897329 106.026684 106.266841 106.266841 106.476073 106.685466 103.621752	Area 578.280799 587.873369 597.465938 607.058508 567.904525 813.220951 675.62187 664.146024 652.670179 641.194334 629.718489 666.706041 784.981667 662.625595 695.541056 645.854738 664.341344 665.357726 663.374108 667.39049 668.406872 509.538655 677.868689 679.904609 681.940528 683.976448 666.956727 686.012367 676.952074 679.195718 681.439362 683.683005 632.560233
FID 131 132 133 134 135 136 137 138 140 141 142 143 144 145 145 146 147 148 149 150 155 156 156 157 158 159 160 161 162 163 164 165	Names USMAN ADEWALE ADEWALE ADETUNJI ABDULROFIU KHADIJAT ADEBAYO ABDULKHADIR SAHEED OLALEKAN AWELE AFEEZ OLOLADE GBAYESOLA EMMANUEAL OLUWAPELUMI HIKMOT OLAMIDE AMEERAT ORIYOMI ABDULSALAM YUSUF ADEVEMO BOLUWATIFE ABDULSALAM ORIYOMI MUSTAPHA ABDULBASIT KAMALDEEN BOLAKALE NASIRUDEEN ISSA ADESHINA MISTURAH MUHAMAD KAFAYAT SULAIMON TAIWO KOFOWOROLA MISTURAH AFEEZ KAYODE IBARAHEEN AZEEZ OLORIEGBE ABDULGAFAR AHMAD IBRAHIM AMINAT DAMILOLA OPEYEMI SAMSON MUSA SAHEED ADEWALE ABDULWASIU HAMEED SHAMSUDEEN ADEBAYO MUBARAQ BILAL MUBARAK AWWAL SULAIMAN	Sex M M M M M M M M M M M M M M M M M M M	Parcel_Pur Residential	Parcel_Sta Developed	\$\text{Shape_Leng}\$ 97.207036 98.129398 99.051761 99.974123 97.948325 115.534201 106.822062 105.707409 104.592834 103.478341 102.363935 104.457933 112.86181 105.587483 108.099246 103.728473 104.871396 104.96625 96.012846 106.137303 106.327303 106.517316 106.707322 105.762841 106.897329 106.677322 105.762841 106.897329 106.67673	578.280799 587.873369 597.465938 607.058508 607.058508 613.220951 675.62187 664.146024 652.670179 641.194334 662.625595 695.541056 645.854738 664.341344 665.357726 666.374108 667.39049 668.406872 509.538655 677.868689 679.904609 681.940528

	FID	Names	Sex	Parcel_Pur	Parcel_Sta	Shape_Leng	Area
٠	48	YIO CONCEPT CYBER CAFE	F	Commercial	Developed	105.914363	676.531684
	151	R.C.C.G	M	Commercial	Developed	105.345676	669.423255
	187	MUSODIQ ABIOLA	M	Commercial	Un-Developed	304.781768	5048.847502
	254	LIVING FAITH CHURCH IREWOLED	M	Commercial	Developed	100.327469	618.174764
	273	VALENTINE CHICKEN LIMITED	M	Commercial	Developed	88.233768	495.630147
	288	LIVING FAITH CHURCH IREWOLE	M	Commercial	Developed	128.147568	983.450418
	283	MOSQUE	M	Mosque	Developed	195.909955	2149.344222
	1	MUHAMMAD ABDULKAREEM	M	Residential	Developed	117.881686	847.942861
	2	IBRAHEEM AMEEN	M	Residential	Developed	119.731431	849.18719
	3	OLUDIRAN SOLIU	M	Residential	Developed	118.871832	839.260543
	4	OLAYANJU MUSTAPHA	M	Residential	Developed	118.012234	829.333896
	5	TAJUDEEN SODEEQ	M	Residential	Developed	117.152635	819.407249
	6	KOLAWOLE AISHAT	F	Residential	Developed	116.293036	809.480602
	7	ABDULRAHEEM TOHEEB	M	Residential	Developed	115.433437	799.553955
	8	ALABI YUNUS	M	Residential	Developed	114.573839	789.627308
	9	GAMBARI ABDULFATAI	M	Residential	Developed	113.71424	779.700661
	10	ABDULSAMOD UTHMAN	M	Residential	Developed	120.06245	853.055973
	11	ABDULGANIYU KOLAWOLE	M	Residential	Developed	120.06245	853.055973
	12	OLAITAN ABIMBOLA	M	Residential	Developed	120.06245	853.055973
	13	AYINDE ISAAC	M	Residential	Developed	120.06245	853.055973
	14	BAMIDELE QUDUS	M	Residential	Developed	120.06245	853.055973
	15	ABDULLAHI OLAJUWON	M	Residential	Developed	120.06245	853.055973
	16	MAKINDE OLUWAKAYODE	M	Residential	Developed	120.06245	853.055973
	17	QUDUS OLUWATOYIN	M	Residential	Un-Developed	122.475602	891.287531
	18	AINA SAMUEL	M	Residential	Developed	102.289974	629.173672
	19	OLARINDE MONSURAT	F	Residential	Developed	102.143306	627.668487
	20	OLAONIPEKUN SHUKURAT	F	Residential	Developed	101.988709	626.043204
	21	BERNAD OLUWASEGUN	M	Residential	Developed	101.846527	624.606378
	22	BELLO OLAYOMI	M	Residential	Developed	101.695862	623.041457
	23	YEMI OLUWATOSIN	M	Residential	Developed	101.548053	621.519234
	24	ABDULRAHMON ABDULSALAM	M	Residential	Developed	101.400245	619.997012
	25	ADELOLU DANIEL ADEWALE	M	Residential	Developed	101.252436	618.474789
	26	DAHUNSI OLAWUNMI	F	Residential	Developed	101.104627	616.952566
	27	ARWOLO NURUDEEN AYINDE	F	Residential	Developed	100.956818	615.430344
		ISAAC JOY SALOMI	M	Residential	Developed	100.80901	613.908121
	20	O IEDNIDE HADEEDAT	-	D = =: =! = = 1	Daniel and	404 50404	005 404040

FID	Names	Sex	Parcel_Pur	Parcel_Sta	Shape_Leng	Area
161	ADEBAYO MUBARAQ	M	Residential	Developed	106.266681	679.195718
162	BILAL MUBARAK	M	Residential	Developed	106.476073	681.439362
163	AWWAL SULAIMAN	M	Residential	Developed	106.685466	683.683005
164	MUBARAK BABATUNDE	M	Residential	Developed	103.621752	632.560233
165	SAKARIYAU ABDULGAFAR	M	Residential	Developed	106.894859	685.926649
166	ADEROGBA USMAN	M	Residential	Developed	84.76798	329.619361
167	ISHOLA ABDULRASAQ	M	Residential	Developed	107.048974	697.279724
168	AROYINKOLA ABDULRASAQ	M	Residential	Developed	104.880825	664.463334
169	AYANYEMI FEYISAYO	M	Residential	Developed	104.973611	665.457536
170	OYEYIPO DAMILOLA	M	Residential	Developed	105.066397	666.451738
171	ABDULLATEED SHIFAU	M	Residential	Developed	105.159183	667.44594
172	IBRAHEEM ABDULGANIYU	M	Residential	Developed	105.344755	669.434345
173	ABDULYEKEEN ABDULQUADRI	M	Residential	Developed	105.251969	668.440143
174	OLAJIDE ABISOLA	M	Residential	Developed	97.405171	523.182346
175	FAOLA ABIDEMI	M	Residential	Developed	97.405165	523.182251
176	QUAWIYY ABDULRAZAQ	M	Residential	Developed	97.405165	523.182251
177	ABDULMATEEN ADETAYO	M	Residential	Developed	95.116731	485.856985
178	ADENIYI SOBURI	M	Residential	Developed	99.598485	565.285502
179	QUAWIYY ABDULRAZAQ	M	Residential	Developed	97.405165	523.182251
180	ABIODUN AKANJI	M	Residential	Developed	97.773547	534.423671
181	QUADRI OLAYINKA	M	Residential	Developed	111.633271	783.920583
182	OLUWAKEMI MORENIKEJI	F	Residential	Developed	98.585427	598.522623
183	SULYMAN LATEEFAT	F	Residential	Developed	119.586726	891.16926
184	OJO IFEOLUWA	F	Residential	Un-Developed	101.073955	586.912038
185	BABALOLA MOSES	M	Residential	Un-Developed	118.598617	766.583058
186	AJETUNMOBI OLAMILEKAN	M	Residential	Un-Developed	121.121618	619.306252
188	IDRIS FAWAS	M	Residential	Developed	155.336624	1476.345022
189	RAFIU WASIU	M	Residential	Developed	140.527237	1175.925869
190	ALATISE NAFISAT	F	Residential	Developed	139.266985	1158.592264
191	ABDULRASAQ ABDULLAHI	M	Residential	Developed	137.09612	1128.09418
192	ALUKO GBOLAHAN	M	Residential	Developed	133.524555	1078.536389
193	ABDULKAREEM IBRAHIM	M	Residential	Developed	129.492805	1023.083373
194	OJO AYODEJI	M	Residential	Developed	123.785237	941.726444
195	AJADI RIDWAN	M	Residential	Developed	100.360977	589.302437
196	ADIGUN FARUQ	M	Residential	Developed	151.485667	1420.606256
407	ADIOUN EADUO	1.4	Danislandal	DI	454 405007	4400 000000

FID	Names	Sex	Parcel_Pur	Parcel_Sta	Shape_Leng	Area
19	5 AJADI RIDWAN	M	Residential	Developed	100.360977	589.302437
19	6 ADIGUN FARUQ	M	Residential	Developed	151.485667	1420.606256
19	7 ADIGUN FARUQ	M	Residential	Developed	151.485667	1420.606256
19	8 JIBRIL AISHAT	F	Residential	Developed	129.517626	1022.399818
19	9 BALOGUN MUBARAK	M	Residential	Developed	122.94143	931.95028
20	0 ABDULKAREEM SALAM	M	Residential	Developed	103.189952	636.539792
20	1 SULYMAN ABUBAKAR	M	Residential	Developed	103.663116	631.173955
20	2 ARINDE TIMILEYIN	M	Residential	Developed	103.563212	630.618443
20	3 IDRIS RUKAYAT	F	Residential	Developed	103.36353	628.436266
20	4 SANNI SAMUEL	M	Residential	Developed	103.196188	626.796311
20	5 ABDULGANIYU MUBARAK	M	Residential	Developed	103.028846	625.156356
20	6 BABALOLA TAIWO	M	Residential	Developed	96.081722	556.233193
20	7 ZAKARIYAU ABDULRAHMAN	M	Residential	Developed	98.306298	578.034039
20	8 AKINOLA OLABODE	M	Residential	Developed	100.548359	600.117406
20	9 ISIAQ TOYYIB	M	Residential	Developed	102.736622	621.35321
21	0 LAWAL AL-AMEEN	M	Residential	Developed	93.857146	534.432347
21	1 IDRIS QUADRI	M	Residential	Developed	91.589722	512.107197
21	2 ALIYU ZAINAB	F	Residential	Un-Developed	88.895261	328.187234
21	3 ABIOLA OBAMO	M	Residential	Developed	69.417057	197.739844
21	4 AMINU RIDWAN	M	Residential	Developed	103.949944	632.536154
21	5 AJAO MUYIDEEN	M	Residential	Developed	103.949944	632.536154
21	6 ABDULLATEEF JAMIU	M	Residential	Developed	103.952026	632.569579
21	7 ISHAQ OPEYEMI	M	Residential	Developed	103.275745	631.647422
21	8 HABEEB OLOLADE	M	Residential	Developed	95.506804	501.495726
21	9 IBRAHEEM ABDULGANIYU	M	Residential	Developed	105.344755	669.434345
22	0 ABDULYEKEEN ABDULQUADRI	M	Residential	Developed	105.251969	668.440143
22	1 AKOLADE FAROUQ	M	Residential	Developed	95.471994	500.924011
22	2 KEHINDE SHERIFF	M	Residential	Developed	95.935536	505.120846
22	3 ADEWOLE MICHEAL	M	Residential	Developed	111.748665	754.933129
22	4 LAMBE ISREAL ADEGOKE	M	Residential	Developed	96.850869	512.337052
22	5 AKINWUNMI MUJTABAH	F	Residential	Developed	98.318847	520.72802
22	6 ABDULMUHMEEN ABDULAKEEM	M	Residential	Developed	110.395729	666.833258
22	7 AKANBI ADEWUNMI	F	Residential	Developed	103.760936	607.120116
22	8 ADEDAMOLA WAHEED	М	Residential	Un-Developed	107.528117	649.556432
22	9 NURENI ABIBAT	F	Residential	Developed	131.016289	1003.311342
1 22	DODOLONILLACCAN	1.4	Danislandial	D	440.000000	DAA EEDEAD

FID	Names	Sex	Parcel_Pur	Parcel_Sta	Shape_Leng	Area
	ADEYANJU WASIU	M	Residential	Developed	102.539606	639.030066
	ADEOYE OLUWASOLA	M	Residential	Developed	101.378377	621.675671
	ADEOYE OLUWASOLA	F	Residential	Developed	101.378377	621.675671
	ADEYANJU WASIU ADEOYE OLUWASOLA	M	Residential Residential	Developed Developed	102.539606 101.378377	639.030066 621.675671
	ADEYANJU WASIU	M	Residential	Developed	102.539606	639.030066
	ADEYEMI HALIMAH	F	Residential	Developed	98.330782	589.782734
	ADEOLA JAMIU	M	Residential	Developed	102.427839	632.186308
170.00	GIWA JAMIU	M	Residential	Developed	101.563058	628.37608
246	AUDU ELIZABETH	F	Residential	Developed	107.857008	687.167634
	IBRAHIM KAYODE	M	Residential	Developed	105.710867	671.839668
1000	SANUSIYUSUF	M	Residential	Developed	109.809204	705.627485
1111111111	ARANSIOLA EMMANUEL	M	Residential	Developed	122.950681	922.850128
	AMINULLAH ABDULSAMAD	M	Residential	Un-Developed	134.165209	782.735016
	ABEGUNDE MATHEW OLARINDE MOJEED	M	Residential Residential	Developed	100.244701	536.868271 784.62058
	LUKMAN FARUQ	M	Residential	Developed Developed	115.343536 102.170205	642.354092
100000	NURUDEEN UTHMAN	M	Residential	Un-Developed	104.403706	643.09282
	ISIAKA ABUBAKAR	M	Residential	Developed	95.648743	499.983496
	MASTUROH ADEOLA	M	Residential	Developed	95.755765	502.01636
100	ABDULRASAQ ABDULQUDUS	M	Residential	Developed	108.75849	680.367296
	SANUSI MUHYDEEN	M	Residential	Developed	115.841274	764.688077
260	AJADI BOLAKALE	М	Residential	Developed	124.29152	851.210708
-	ADULQODIR SULTON	M	Residential	Developed	117.571799	794.08127
	ADEFOWOJU ADENIKE	F	Residential	Un-Developed	133.509657	1025.302157
	OGEDENGBE ODUNAYO	M	Residential	Developed	91.912897	526.812222
_	OLADIMEJI YEMISI	F	Residential	Developed	89.939474	504.364005
	SANUSI JAMIU	M	Residential Residential	Developed	89.822314	503.108632
	EZEKIEL VICTOR SAMMIAT AYOMIPOSI	F	Residential	Developed Developed	89.705153 89.587993	501.853259 500.597886
	YUSUF ZAINAB	F	Residential	Developed	89.36159	498.088917
_	RAPHEAL OLUWASEGUN	F	Residential	Developed	89.310953	497.435076
1	ALLI BOLUWADURO	M	Residential	Developed	89.312951	497.768963
271	YUNUS MUSEFIU	М	Residential	Developed	88.297788	486.60079
	AWODELE OLUSEGUN	М	Residential	Developed	88.048589	484.164676
1 071	WALLAD ADDITIONED		Danislandial	D. L. O.	07.007500	40E 00E000
FID	Names	Sex	Parcel_Pur	Parcel_Sta	Snape_Leng	Area
	Names OLARINDE MOJEED	Sex M	Residential	Parcel_Sta Developed	Shape_Leng 115.343536	
252						784.62058
252 253	OLARINDE MOJEED	M	Residential	Developed	115.343536	
252 253 255 256	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR	M M M	Residential Residential Residential Residential	Developed Developed Un-Developed Developed	115.343536 102.170205 104.403706 95.648743	784.62058 642.354092 643.09282 499.983496
252 253 255 256 257	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA	M M M M	Residential Residential Residential Residential Residential	Developed Developed Un-Developed Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765	784.62058 642.354092 643.09282 499.983496 502.01636
252 253 255 256 257 258	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS	M M M M M	Residential Residential Residential Residential Residential Residential	Developed Un-Developed Developed Developed Developed Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296
252 253 255 256 257 258 259	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN	M M M M M M	Residential Residential Residential Residential Residential Residential Residential Residential	Developed Developed Un-Developed Developed Developed Developed Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077
252 253 255 256 257 258 259 260	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE	M M M M M M M	Residential	Developed Developed Un-Developed Developed Developed Developed Developed Developed Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708
252 253 255 256 257 258 259 260 261	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON	M M M M M M M	Residential	Developed Developed Un-Developed Developed Developed Developed Developed Developed Developed Developed Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127
252 253 255 256 257 258 259 260 261 262	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE	M M M M M M M M	Residential	Developed Developed Un-Developed Developed Developed Developed Developed Developed Developed Developed Un-Developed Un-Developed	115.343536 102.170205 104.403706 95.648743 95.75576 108.75849 115.841274 124.29152 117.571799 133.509657	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127
252 253 255 256 257 258 259 260 261 262 263	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO	M M M M M M M M	Residential	Developed Developed Un-Developed Developed Developed Developed Developed Developed Developed Developed Un-Developed Developed Un-Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.757849 115.841274 124.29152 117.571799 133.509657 91.912897	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222
252 253 255 256 257 258 259 260 261 262 263 264	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQOIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI	M M M M M M M M M	Residential	Developed Developed Un-Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 89.939474	784.62058 642.354092 643.09282 499.83496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005
252 253 255 256 257 258 259 260 261 262 263 264 265	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU	M M M M M M M M	Residential	Developed Developed Un-Developed Developed Developed Developed Developed Developed Developed Un-Developed Un-Developed Developed Developed Developed Developed Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.757849 115.841274 124.29152 117.571799 133.509657 91.912897	784.62058 642.354092 643.09282 499.83496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632
252 253 255 256 257 258 259 260 261 262 263 264 265 266	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR	M M M M M M M M M M M F M M F M M	Residential	Developed Developed Un-Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 89.939474 89.822314	784.62058 642.354092 643.09282 499.83496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259
252 253 255 256 257 258 259 260 261 262 263 264 265 266	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU	M M M M M M M M M F M	Residential	Developed Developed Un-Developed Developed Developed Developed Developed Developed Developed Developed Developed Developed Un-Developed Developed Developed Developed Developed Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 89.939474 89.822314 89.705153	784.62058 642.354092 643.09282 499.83496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259
252 253 255 256 257 258 259 260 261 262 263 264 265 266 267	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI	M M M M M M M M M M M M M M M M M M M	Residential	Developed Developed Un-Developed Developed Developed Developed Developed Developed Developed Developed Developed Developed Un-Developed Developed Developed Developed Developed Developed Developed Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 99.939474 89.822314 89.705153 89.587993	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 500.597886 498.088917
252 253 255 256 257 258 259 260 261 262 263 264 265 266 267 268	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI YUSUF ZAINAB	M M M M M M M M M M M M M M M M M M M	Residential	Developed Developed Un-Developed Developed Developed Developed Developed Developed Developed Developed Un-Developed Un-Developed Developed Developed Developed Developed Developed Developed Developed Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 89.939474 89.705153 89.587993 89.36159	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127 526.812222 504.364005 503.108632 501.853259 500.597886 498.088917 497.435076
252 253 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQOIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI YUSUF ZAINAB RAPHEAL OLUWASEGUN	M M M M M M M M M M M F M F F F F	Residential	Developed Developed Un-Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 89.939474 89.822314 89.70515 89.587993 89.36159 89.310953	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 500.597886 498.088917 497.435076
252 253 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI YUSUF ZAINAB RAPHEAL OLUWASEGUN ALLI BOLUWADURO YUNUS MUSEFIU AWODELE OLUSEGUN	M M M M M M M M F M F M M M M M M M M M	Residential	Developed Developed Un-Developed Developed Developed Developed Developed Developed Developed Developed Developed Un-Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 89.939474 89.822314 89.705153 89.36159 89.31059 89.31059 89.312951 88.297788 88.048589	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 500.597886 498.088917 497.435076 497.768963 486.60079
252 253 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 271 272	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI YUSUF ZAINAB RAPHEAL OLUWASEGUN ALLI BOLUWADURO YUNUS MUSEFIU AWODELE OLUSEGUN WAHAB ABDULQUDUS	M M M M M M M M M M M M M M M M M M M	Residential	Developed Developed Un-Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.500657 91.912897 89.939474 89.705153 89.36159 89.31055 89.31055 89.312951 88.297788 88.048589 87.637533	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 500.597886 498.088917 497.768963 486.60079 484.164676 465.985829
252 253 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQOIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI YUSUF ZAINAB RAPHEAL OLUWASEGUN ALLI BOLUWADURO YUNUS MUSEFIU AWODELE OLUSEGUN WAHAB ABDULQUDUS RAHEEM LATEEF	M M M M M M M M M M M M M M M M M M M	Residential	Developed Developed Un-Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 89.939474 89.822314 89.705153 89.36159 89.310953 89.312951 88.297788 88.29788 88.29788 87.637533	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 500.597886 498.088917 497.435076 497.768963 486.60079 484.164676 465.985829
252 253 255 256 257 258 259 260 261 263 264 265 266 267 268 269 271 271 272 274 275	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQOIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI YUSUF ZAINAB RAPHEAL OLUWASEGUN ALLI BOLUWADURO YUNUS MUSEFIU AWODELE OLUSEGUN WAHAB ABDULQUDUS RAHEEM LATEEF ODESANYA ZIKIRULLAH	M M M M M M M M M M M M M M M M M M M	Residential	Developed Developed Un-Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 89.939474 89.822314 89.705153 89.36159 89.310953 89.312951 88.297788 88.048589 0 85.229076	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 500.597886 497.768963 486.60079 484.164676 465.985829 0 433.400436
252 253 255 256 256 259 260 261 262 263 264 265 266 267 269 270 271 272 274 275 276 277	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI YUSUF ZAINAB RAPHEAL OLUWASEGUN ALLI BOLUWADURO YUNUS MUSEFIU AWODELE OLUSEGUN WAHAB ABDULQUDUS RAHEEM LATEEF ODESANYA ZIKIRULLAH AWODELE SEGUN	M M M M M M M M M M M M M M M M M M M	Residential	Developed Developed Un-Developed Developed Developed Developed Developed Developed Developed Developed Un-Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 89.822314 89.705153 89.36159 89.310953 89.310953 89.312951 88.297788 88.048589 87.637533 0 85.229076 89.148246	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 500.597886 497.768963 486.60079 484.164676 465.985829 0 433.400436 466.829478
252 253 255 256 256 259 260 261 262 263 264 265 266 267 268 270 271 272 274 275 276 277 278	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI YUSUF ZAINAB RAPHEAL OLUWASEGUN ALLI BOLUWADURO YUNUS MUSEFIU AWODELE OLUSEGUN WAHAB ABDULQUDUS RAHEEM LATEEF ODESANYA ZIKIRULLAH AWODELE SEGUN MUSTAPHA ABDULBASIT	M M M M M M M M M M M M M M M M M M M	Residential	Developed Developed Un-Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 89.939474 89.822314 89.705153 89.36159 89.312951 88.297788 88.048589 87.637533 0 85.229076 89.148246 88.197345	784.62058 642.354092 643.09282 499.83496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 500.597886 498.088917 497.768963 486.60079 484.164676 465.985829 433.400436 466.829478 410.311278
252 253 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 274 275 277 278 279	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI YUSUF ZAINAB RAPHEAL OLUWASEGUN ALLI BOLUWADURO YUNUS MUSEFIU AWODELE OLUSEGUN WAHAB ABDULQUDUS RAHEEM LATEEF ODESANYA ZIKIRULLAH AWODELE SEGUN MUSTAPHA ABDULBASIT NASSIRUDEEN ISSA	M M M M M M M M M M M M M M M M M M M	Residential	Developed Developed Un-Developed Developed Un-Developed Un-Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 89.939474 89.822314 89.705153 89.36159 89.310953 89.310953 89.312951 88.297788 88.048589 87.637533 0 0 85.229076 89.148246 88.197345 130.441349	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 500.597886 498.088917 497.435076 497.768963 486.60079 484.164676 465.985829 0 433.400436 466.829478 410.311278 635.53933
252 253 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 271 272 274 275 276 277 278 279 280	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI YUSUF ZAINAB RAPHEAL OLUWASEGUN ALLI BOLUWADURO YUNUS MUSEFIU AWODELE OLUSEGUN WAHAB ABDULQUDUS RAHEEM LATEEF ODESANYA ZIKIRULLAH AWODELE SEGUN MUSTAPHA ABDULBASIT NASSIRUDEEN ISSA ADESHINA MOJEED	M M M M M M M M M M M M M M M M M M M	Residential	Developed Developed Un-Developed Developed Un-Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 89.939474 89.822314 89.705153 89.36159 89.310953 89.312951 88.297788 88.048589 87.637533 0 85.229076 89.148246 88.197345 130.441349 133.971627	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 500.597886 497.768963 486.60079 484.164676 465.985829 0 433.400436 436.829478 410.311278 635.53933 959.84878
252 253 255 256 257 258 259 260 261 262 263 264 265 266 267 271 272 274 275 276 277 278 277 278 279 280 281	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQOIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI YUSUF ZAINAB RAPHEAL OLUWASEGUN ALLI BOLUWADURO YUNUS MUSEFIU AWODELE OLUSEGUN WAHAB ABDULQUDUS RAHEEM LATEEF ODESANYA ZIKIRULLAH AWODELE SEGUN MUSTAPHA ABDULBASIT NASSIRUDEEN ISSA ADESHINA MOJEED SULAIMAN SAMAD	M M M M M M M M M M M M M M M M M M M	Residential	Developed Developed Un-Developed Developed Un-Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 89.939474 89.822314 89.70515 89.36159 89.310953 89.312951 88.297788 88.048589 87.637533 0 85.229076 89.148246 88.19734 130.441349 133.971627 216.100791	784.62058 642.354092 643.09282 499.83496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 500.597886 497.768963 486.60079 484.164676 465.985829 433.400436 466.829478 410.311278 635.53933 959.84878 2432.308468
252 253 255 256 256 257 258 259 260 261 262 263 264 265 266 267 271 271 272 274 275 276 277 278 279 280 281 282	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQOIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI YUSUF ZAINAB RAPHEAL OLUWASEGUN ALLI BOLUWADURO YUNUS MUSEFIU AWODELE OLUSEGUN WAHAB ABDULQUDUS RAHEEM LATEEF ODESANYA ZIKIRULLAH AWODELE SEGUN MUSTAPHA ABDULBASIT NASSIRUDEEN ISSA ADESHINA MOJEED SULAMMAN SAMAD MUHAMMAD RAHEEM	M M M M M M M M M M M M M M M M M M M	Residential	Developed Developed Un-Developed Developed Un-Developed Developed Un-Developed Un-Developed Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 89.939474 89.822314 89.705153 89.381593 89.38159 89.38159 89.38159 88.048589 87.637533 0 85.229076 89.148246 88.197345 130.441349 133.971627 216.100791 185.907985	784.62058 642.354092 643.09282 499.83496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 500.597886 497.768963 486.60079 484.164676 405.985829 60433.400436 466.829478 410.311278 635.53933 595.84878 2432.308468
252 253 255 256 256 257 258 259 260 261 262 263 264 265 266 267 270 271 272 274 275 276 277 278 279 280 281 282	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI YUSUF ZAINAB RAPHEAL OLUWASEGUN ALLI BOLUWADURO YUNUS MUSEFIU AWODELE OLUSEGUN WAHAB ABDULQUDUS RAHEEM LATEEF ODESANYA ZIKIRULLAH AWODELE SEGUN MUSTAPHA ABDULBASIT NASSIRUDEEN ISSA ADESHINA MOJEED SULAIMAN SAMAD MUHAMMAD RAHEEM IBRAHEEM AZEEZ	M M M M M M M M M M M M M M M M M M M	Residential	Developed Developed Un-Developed Developed Developed Developed Developed Developed Developed Developed Developed Un-Developed Developed Un-Developed Developed Developed Un-Developed Developed Un-Developed Un-Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 89.939474 89.587993 89.36159 89.310953 89.312951 88.297788 88.048589 87.637533 0 85.229076 89.148246 88.197345 130.441349 133.971627 216.100791 185.907985 99.498708	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 500.597886 497.768963 486.60079 484.164676 465.985829 0 433.400436 466.829478 410.311278 635.53933 2432.308468 1811.965151 382.396351
252 253 255 256 256 257 258 259 260 261 262 263 264 265 266 267 270 271 272 274 275 276 277 278 279 280 281 282	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQOIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI YUSUF ZAINAB RAPHEAL OLUWASEGUN ALLI BOLUWADURO YUNUS MUSEFIU AWODELE OLUSEGUN WAHAB ABDULQUDUS RAHEEM LATEEF ODESANYA ZIKIRULLAH AWODELE SEGUN MUSTAPHA ABDULBASIT NASSIRUDEEN ISSA ADESHINA MOJEED SULAMMAN SAMAD MUHAMMAD RAHEEM	M M M M M M M M M M M M M M M M M M M	Residential	Developed Developed Un-Developed Developed Un-Developed Developed Un-Developed Un-Developed Developed Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 89.939474 89.822314 89.705153 89.381593 89.38159 89.38159 89.38159 88.048589 87.637533 0 85.229076 89.148246 88.197345 130.441349 133.971627 216.100791 185.907985	784.62058 642.354092 643.09282 499.83496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 497.768963 486.60079 484.164676 465.985829 433.400436 466.829478 410.311278 635.53933 959.84878 2432.308468 2432.308468
252 253 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 274 275 276 277 278 279 280 281 282 284 285	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJI YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMIAT AYOMIPOSI YUSUF ZAINAB RAPHEAL OLUWASEGUN ALLI BOLUWADURO YUNUS MUSEFIU AWODELE OLUSEGUN WAHAB ABDULQUDUS RAHEEM LATEEF ODESANYA ZIKIRULLAH AWODELE SEGUN MUSTAPHA ABDULBASIT NASSIRUDEEN ISSA ADESHINA MOJEED SULAMMAN SAMAD MUHAMMAD RAHEEM IBRAHEEM AZEEZ IBRAHEEM AYODEJI	M M M M M M M M M M M M M M M M M M M	Residential	Developed Developed Un-Developed Developed Un-Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.50965 91.912897 89.939474 89.822314 89.705153 89.36159 89.310953 89.312951 88.297788 88.048589 87.637533 0 85.229076 89.148246 88.197345 130.441349 133.971627 216.100791 185.907985 99.498708 168.808748	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 500.597886 498.088917 497.435076 497.768963 486.60079 484.164676 465.985829 0 433.400436 466.829478 410.311278 635.53933 959.84878 2432.308468 1811.965151 382.396351 957.228857 552.346149
252 253 255 256 257 258 259 260 261 262 263 264 265 266 267 271 272 274 275 276 277 278 279 280 281 282 284 285 286	OLARINDE MOJEED LUKMAN FARUQ NURUDEEN UTHMAN ISIAKA ABUBAKAR MASTUROH ADEOLA ABDULRASAQ ABDULQUDUS SANUSI MUHYDEEN AJADI BOLAKALE ADULQODIR SULTON ADEFOWOJU ADENIKE OGEDENGBE ODUNAYO OLADIMEJ YEMISI SANUSI JAMIU EZEKIEL VICTOR SAMMAT AYOMIPOSI YUSUF ZAINAB RAPHEAL OLUWASEGUN ALLI BOLUWADURO YUNUS MUSEFIU AWODELE OLUSEGUN WAHAB ABDULGUDUS RAHEEM LATEEF ODESANYA ZIKIRULLAH AWODELE SEGUN MUSTAPHA ABDULBASIT NASSIRUDEEN ISSA ADESHINA MOJEED SULAMAN SAMAD MUHAMMAD RAHEEM IBRAHEEM AYODEJI ABDULKADIR IBRAHIM	M M M M M M M M M M M M M M M M M M M	Residential	Developed Developed Developed Un-Developed Developed Un-Developed	115.343536 102.170205 104.403706 95.648743 95.755765 108.75849 115.841274 124.29152 117.571799 133.509657 91.912897 89.939474 89.822314 89.705153 89.36159 89.310953 89.312951 88.297788 88.048589 87.637533 0 85.229076 89.148246 88.197345 130.441349 133.971627 216.100791 185.90798 168.808748 96.169848	784.62058 642.354092 643.09282 499.983496 502.01636 680.367296 764.688077 851.210708 794.08127 1025.302157 526.812222 504.364005 503.108632 501.853259 500.597886

CHAPTER FIVE

5.0 COSTING, SUMMARY,

PROBLEMS

ENCOUNTERED, CONCLUSION AND RECOMMENDATION

5.1 COSTING

The project's cost was estimated using the Nigeria Institution of Surveyors' (NIS) professional scale of fees for construction industry consultants. This breakdown highlights the total expenditure incurred throughout the project's duration, from inception to completion.

RECONNAISSANCE

PERSONAL/QUALITY	DAY(S)	UNITRATE(N)	TOTAL
			AMOUNT(₩)
1 Senior Surveyor	1	18,443.92	18,443.92

Assistant Surveyor	1	10,849.37	10,849.37
Transportation	1	19,800.35	19,800.35
Basic Equipment	1	19,800.35	19,800.35
Logistics	1	8,000.00	8,000.00
TOTAL			#76,893.99k

TABLE: 5.1.1 shows the total amount spent for reconnaissance

BEACON= $2,100 \times 8$

= #16,800

BEACONING

PERSONAL/QUALITY	DAY(S)	UNITRATE(N)	TOTALAMOUNT(₦)
1Assistant Surveyor	1	10,849.37	10,849.37
1Assistant Surveyor	1	9,500.22	9,500.22
2Labour Crew	1	6,468.61	6,468.61
Transportation	1	19,800.35	19,800.35
Basic Equipment (6)	1	19,800.35	19,800.35
Logistics	1	8,000.00	8,000.00
TOTAL			#74,418.9k
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

TABLE: 5.1.2 shows the total amount spent for beaconing

TRAVERSING

PERSONAL/QUALITY	DAY(S)	UNITRATE(N)	TOTALAMOUNT(₩)
1 Senior Surveyor	2	18,443.92	36,887.84
1 Assistant Surveyor	2	10,849.39	21,698.74
1 Chain Man	2	9,500.22	19,000.44
2 Labor Crew	2	6,468.61	25,874.44
Transportation	2	19,800.35	39,600.7
Basic Equipment	2	19,800.35	39,600.7
Logistics		8,000.00	16,000.00
TOTAL			#198,662.86

TABLE: 5.1.3 shows the total amount spent for traversing

DOWNLOADING DATA AND EDITING

PERSONAL/QUALITY	DAY(S)	UNITRATE(N)	TOTALAMOUNT(₩)
1Principal Surveyor	1	30,378.22	30,378.22
1SeniorSurveyor	1	18,443.92	18,443.92
1AssistantSurveyor	1	10,849.92	10,849.92
Basic Equipment	1	19,800.35	19,800.35
Consumables	1	13,927.00	13,927.00
Logistics	1	8,000.00	8,000.00
TOTAL			#101,400.86

TABLE: 5.1.4 shows the total amount spent for downloading data and editing

PLOTTING

PERSONAL/QUALITY	DAY(S)	UNITRATE(N)	TOTALAMOUNT(₦)
1Principal Surveyor	1	30,378.22	30,378.22
1Senior Surveyor	1	18,443.92	18,443.92
1Assistant Surveyor	1	10,849.92	10,849.92
Basic Equipment	1	19,800.35	19,800.35
Consumables	1	13,927.00	13,927.00
Logistics	1	8,000.00	8,000.00
TOTAL			#101,400.86

TABLE: 5.1.5 shows the total amount spent for plotting

INFORMATION PRESENTATION

PERSONAL/QUALITY	DAY(S)	UNITRATE(N)	TOTALAMOUNT(¥)
1PrincipalSurveyor	1	30,378.22	30,378.22
1SeniorSurveyor	1	18,443.92	18,443.92
Transportation	1	19,800.35	19,800.35
Basic Equipment	1	19,800.35	19,800.35
Consumables	1	13,927.00	13,927.00
Logistics	1	8,000.00	8,000.00
TOTAL			#110,351.84

TABLE: 5.1.6 shows the total amount spent for information presentation

(1) # 76,893.99k

- (2) # 74,418.99k
- (3) # 198,602.86k
- (4) # 101,400.86k
- (5)#101,400.86k
- (6) # 110,351.84k

TOTAL # 663,069.4K

MOBILIZATION AND DEMOBILIZATION =1.5%

- $: 1.5\%. \div 100 \times 663,069.4$
- $= 0.015 \times 663,069.4$
- = 9,946.041

V. A. T = 1.75%

- $: 1.75\% \div 100 \times 663,069.4$
- $= 0.0175 \times 663,069.4$
- = 11,603.7145

ACCOMODATION = 2%

- $: 2 \div 100 \times 663,069,4$
- $= 0.02 \times 663,069.4$
- = 13,261.388

TOTAL = 663,069.4

9,946.041

11,603.7145

13,261.388

= 691,880.5435

Reconnaissance	#105,984.47

Cutting of line & Tracing of layout	#565,858.96
Ground Control Establishment	#216,649.21
Traversing	#216,649.21
Data Capture	#216,649.21
Data Processing	#270,195.88
Plotting using ARCGIS	#179,826.00
Technical Report	#210,195.88
Total	#1,982,008.82

TABLE: 5.1.4 shows the total amount spent for all tables

5.2 SUMMARY

This project implemented a Cadastral Information System (CIS) for Kwara State Polytechnic, Ilorin, leveraging Geographic Information System (GIS) tools. The system aimed to create a comprehensive database of land parcels, property ownership, and usage.

Key Components

- 1. Data Capture: Collected and integrated cadastral data, including property boundaries, ownership details, and land use information.
- 2. GIS Mapping: Utilized GIS tools to create detailed maps of land parcels, visualizing property boundaries and relationships.

- 3. Database Development: Designed and implemented a database to store and manage cadastral information.
- 4. Data Analysis: Performed spatial analysis and queries to extract valuable insights from the cadastral data.
- 5. Information Dissemination: Provided stakeholders with access to accurate and up-to-date cadastral information.

Benefits

- 1. Improved Land Management: Enhanced land administration and management capabilities for the polytechnic.
- 2. Accurate Property Records: Maintained accurate and reliable records of property ownership and boundaries.
- 3. Informed Decision-Making: Supported informed decision-making through spatial analysis and data-driven insights.

Implementation Outcomes

1. Cadastral Database: Developed a comprehensive database of land parcels and property information.

- 2. GIS Maps: Created detailed maps of land parcels, facilitating visualization and analysis.
- 3. Improved Efficiency: Streamlined land administration processes, reducing errors and increasing efficiency.

5.3 PROBLEMS ENCOUNTERED

Challenges Encountered During Project Execution

1. Technical Issues

1. Time-consuming measurements: Using a total station resulted in longer measurement and observation times, causing project delays.

2. Human Factors

1. Public interference: Taking coordinates of each building led to harassment and questioning from some individuals, hindering work progress.

3. Logistical Challenges

1. Transportation costs: Changes in location led to transportation expenses exceeding the budget.

Lessons Learned

- 1. Plan for contingencies: Anticipate potential delays and develop mitigation strategies.
- 2. Community engagement: Educate stakeholders about project objectives and benefits to minimize interference.
- 3. Budget flexibility: Build flexibility into the budget to accommodate unexpected expenses.

These challenges highlight the importance of careful planning, stakeholder engagement, and adaptability in project execution.

5.4 CONCLUSION.

Conclusion for Implementation of Relational Database System for Cadastral Information System

Key Outcomes

The implementation of a relational database system for the Cadastral Information System (CIS) was successfully completed, achieving the following outcomes:

- 1. Comprehensive Database: A detailed database was developed, storing and managing cadastral information.
- 2. Improved Data Management: The relational database system ensured data consistency, integrity, and accuracy.
- 3. Practical Applications: The CIS can support land administration, urban planning, and resource allocation.

Benefits

- 1. Enhanced Decision-Making: The CIS provides valuable insights for informed decision-making.
- 2. Efficient Data Retrieval: The relational database system enables fast and accurate data retrieval.
- 3. Scalability and Flexibility: The system can be expanded and modified to accommodate future needs.

Future Directions

The CIS has potential for future development, research, and expansion, contributing to improved land management and administration.

5.5.1 RECOMMENDATION

Recommendations for Cadastral Information System

1. Regular Land Information Updates

- I. Conduct frequent land surveys: Update land information regularly.
- II. Benefits: Reduce corruption, improve property taxation, and enhance credit security.

2. Departmental Resource Allocation

- I. Provide surveying instruments: Equip the department with necessary surveying instruments.
- II. Establish laboratory facilities: Set up laboratory facilities for efficient data processing and analysis.

Expected Outcomes

- 1. Improved Efficiency: Faster project execution and data processing.
- 2. Enhanced Accuracy: More accurate data and reduced errors.
- 3. Better Decision-Making: Reliable data for informed decision-making.

These recommendations can enhance the effectiveness of the Cadastral Information System.

5.6 REFERENCES

- Adams, K., Broad, D., & Davis, A. R. (2020); Haarbrink & Koers (2016); Redmond, J., & Farhadi, M. (2017); Przybilla, et al. (1979). Classification of drones and geomatics application.
 - Amanah, D., & Harahap, D. A. (2020). [Title not specified].
 Journal of Scientific & Technology Research.
 - Chintagunta, P. K., Gopinath, S., & [Co-author not listed]. (2010). [Title not specified]. Marketing Science. Retrieved from pubsonline.informs.org
 - Dale, P. F., & McLaughlin, J. D. (1976). Land Information Management. Oxford University Press, New York, p. 21.
 - Dhar, S. K., & Hoch, S. J. (1997). [Title not specified]. Marketing Science. Retrieved from pubsonline.informs.org
 - Dutta, S., Narasimhan, O., & Rajiv, S. (1999). [Title not specified]. Marketing Science. Retrieved from pubsonline.informs.org
 - Kaur, G. (2017). [Title not specified]. International Journal of Research Granthaalayah. Retrieved from academia.edu
 - Mintzberg, H. (1980). [Title not specified]. Management Science. Retrieved from pubsonline.informs.org

• Trott, P., & Hartmann, D. A. P. (2009). [Title not specified].

Journal of Innovation Management. World Scientific.

APPENDIX

NORTHING	EASTING	NORTHING	EASTING
935609.976	671158.208	935610.110	671030.195
935685.660	671212.601	935588.956	671026.735
935622.014	671387.359	935546.647	671019.817
935629.861	671365.636	935567.802	671023.276
935637.708	671343.913	935664.242	671076.822
935645.555	671322.190	935645.404	671074.784
935653.402	671300.467	935624.237	671071.395
935661.249	671278.745	935603.069	671068.005
935669.097	671257.022	935581.902	671064.616
935676.944	671235.299	935539.915	671057.753
935716.912	671249.292	935560.735	671061.227
935709.268	671271.086	935639.619	671105.861
935701.623	671292.881	935618.433	671102.569
935693.979	671314.675	935597.248	671099.278
935686.334	671336.469	935576.062	671095.987
935678.690	671358.263	935534.572	671089.394

		935554.877	671092.696
935671.046	671380.057	935655.785	671106.863
935725.350	671227.181		
935240.915	671022.720	935679.816	671010.043
935249.541	671041.425	935658.092	671006.633
935258.168	671060.131	935636.946	671003.128
935266.794	671078.837	935615.800	670999.623
935275.421	671097.543	935594.655	670996.117
935284.048	671116.249	935552.364	670989.106
935292.674	671134.955	935573.509	670992.612
		935524.068	671205.203
935301.301	671153.660	935515.221	671235.964
935309.927	671172.366	935519.645	671220.583
935318.554	671191.072	935510.884	671250.773
935327.180	671209.777		
935336.027	671228.624	935504.090	671283.194
935269.006	671010.266	935506.546	671265.582
935277.890	671028.849	935529.850	671189.894
935286.775	671047.415	935557.110	671337.973
935295.653	671065.988	935547.745	671361.057
935304.533	671084.563	935528.420	671327.953
935313.039	671103.241	935522.537	671351.230
935321.370	671122.060	935498.124	671202.080
935329.702	671140.880	935472.693	671203.593
935338.033	671159.699	935231.108	670754.994
		935285.608	670781.967
935346.365	671178.518	935257.017	670793.476
935354.696	671197.337	935231.699	670804.245
935363.530	671216.911	755451.033	070007.273

935596.725	671224.596	935206.333	670814.776
		935180.802	670825.001
935563.069	671214.309	935155.206	670835.135
935584.247	671260.588	935129.538	670844.802
935552.140	671250.658	935107.378	670852.546
935575.974	671284.398	935167.868	670786.896
935544.888	671274.792	935167.868	670786.896
935538.411	671297.333	935140.042	
935568.137	671307.769		670801.171
935433.953	671370.158	935115.530	670813.691
935405.605	671382.624	935093.982	670824.527
935414.568	671402.715	935502.026	671084.189
935443.362	671390.053	935499.132	671103.593
935452.770	671409.947	935496.224	671123.004
935423.531	671422.806	935493.321	671142.406
935462.179	671429.842	935490.418	671161.809
935432.518	671442.880	935463.704	671136.585
935471.388	671449.462	935466.019	671117.070
		935468.337	671097.552
935441.629	671462.734	935470.649	671078.036
935451.108	671483.132	935461.388	671156.099
935476.286	671467.271	935459.070	671175.602
935468.597	671353.972	935483.156	671177.142
935478.261	671373.662	935453.430	671189.700
935487.975	671393.422		
935497.690	671413.182	935427.021	671129.515
935504.834	671432.220	935428.791	671109.892
935719.739	671329.150	935430.561	671090.268

025704 221	(712(0.270	935432.350	671070.662
935704.331	671369.279	935514.752	671006.514
935762.962	671371.238	935503.179	670980.879
935770.229	671352.385	935524.324	670984.384
935776.532	671334.275	935511.905	671021.844
935747.563	671333.903		
935736.698	671363.979	935509.146	671037.212
935358.509	671292.218	935506.012	671056.247
935345.200	671261.646	935482.715	671001.291
935376.305	671285.023	935479.456	671016.515
935363.475	671254.509	935406.672	671077.743
935394.616	671277.589	935388.609	671077.778
935381.896	671247.186	935304.276	671001.256
		935132.843	670881.560
935412.976	671270.160	935143.924	670901.723
935400.358	671239.962	935199.080	670944.115
935431.389	671262.824	935217.901	670935.258
935418.907	671232.943	935325.946	670882.117
935374.037	671327.634	935287.781	670900.075
935391.311	671320.459		
935409.422	671312.917	935306.864	670891.097
935427.707	671305.270	935249.617	670918.034
935445.993	671297.622	935268.699	670909.055
935386.102	671355.184	935305.492	670850.972
935402.922	671348.018	935267.327	670868.931
935420.838	671340.270	935286.409	670859.952
		935229.162	670886.889
935439.009	671332.411	935248.245	670877.910
935457.067	671324.282		

		935293.188	670824.574
935781.749	671308.542	935254.605	670841.591
935787.881	671290.829	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
935793.688	671273.367	935273.888	670833.084
935799.496	671255.905	935215.952	670858.275
935805.767	671239.660	935235.332	670850.059
935755.833	671291.382	935196.705	670865.611
935735.338	671285.147	935174.652	670873.956
935705.906	671056.621	935203.130	670893.197
		935476.149	671031.692
935759.977	671246.836	935472.246	671050.137
935635.714	671245.297	935482.431	670977.757
935627.491	671266.888	935313.233	670816.342
935619.441	671288.540		
935611.305	671310.162	935443.675	670992.243
935603.168	671331.783	935439.993	671009.974
935594.978	671353.413	935436.238	671025.075
935585.241	671374.680	935431.771	671042.892
935574.896	671395.501	935376.631	670980.972
935643.850	671223.675	935357.973	670989.395
935651.986	671202.055	935397.772	670970.938
935660.122	671180.433	935394.162	671041.033
		935687.989	670976.739
935668.259	671158.812	935666.376	670973.276
935676.332	671137.182	935645.229	670969.777
935684.392	671115.525		
935692.489	671093.889	935624.082	670966.277
935699.732	671074.318	935602.936	670962.778
935560.442	671424.725	935560.723	670955.792

		935581.827	670050 200
935379.334	670934.082	933381.827	670959.299
935358.770	670942.090	935539.550	670952.250
		935518.387	670948.846
935339.340	670949.618	935497.160	670945.233
935319.912	670957.145		
935300.484	670964.672	935476.333	670940.522
935282.407	670967.180	935435.900	670925.461
		935417.749	670916.522
935242.796	670988.892		
935223.786	670997.339	935400.550	670906.629
935212.953	670973.883	935384.335	670893.462
		935409.826	670937.803
935231.870	670965.236	935454.280	670960.722
935269.705	670947.943		
935288.622	670939.296	935401.806	671004.824
935307.540	670930.650	935544.173	671162.659
		935551.179	671132.073
935326.457	670922.003	935659.225	671395.568
935345.374	670913.356		
935363.828	670905.558	935604.088	671414.051
935350.086	671086.877	935430.315	670949.641
		935455.752	670933.596
935358.537	671107.690		
935366.356	671126.728	935350.755	670871.399
935374.174	671145.766	935327.572	670841.425
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0,21,00,		