Anuradhapura
Urban Area
Development Plan
2021 - 2030

Anuradhapura Urban Development Plan 2021 - 2030



Urban Development Authority
Ministry of Urban Development & Housing

Anuradhapura Urban Area Development Plan 2021 - 2030

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Published by
Urban Development Authority – Sri Lanka
6th, 7th & 9th floors, "Sethsiripaya Stage I", Battaramulla, Sri Lanka
Website – www.uda.gov.lk
Email – info@uda.gov.lk
Telephone - +94112873637
Published date – 2021

Anuradhapura Urban Area Development Plan 2021 – 2030 mainly consists of three parts as Part I, II and III. The Part I consists of the background study, preliminary studies, the need of the plan, the planning framework, the SWOT analysis and the plan. The Part II consists of the Planning and Building Guidelines and Zoning Guidelines pertaining to the Planning Boundary for the Period of 2021 – 2030. The part III consist of the zoning boundaries with the coordinates and all the annexures.
Anuradhapura Urban Area Development Plan 2021 – 2030 has been prepared by the North Central Province Office. The Part III consist of the zoning boundaries with the coordinates and all the annexures.

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Supportive divisions of the UDA

Environment and Landscape Division – UDA (Preparation of the PORS, DRR, Conservation, Cultural & Heritage Plans)
GIS Division – UDA (Providing Arc GIS Spatial data layer & technical assistants)
Strategic Planning Division – UDA (Supervision, monitoring and gazetting)
Research and Development Division – UDA (Conduct awareness programs to introduce new techniques)

Acknowledgement

The North Central Province has taken the lead to provide the supervision for the preparation of the Anuradhapura Urban Area Development Plan 2021 – 2030. The objective of this plan is to enhance sustainable development in the Urban Area. The vision of the Anuradhapura Urban Area Development Plan 2021 – 2030 is in line with the 'Vistas of Prosperity and splendor' the government policy direction of the His Excellency the President Gotabaya Rajapaksa.

It is our proud privilege to Honorable Mahinda Rajapaksa subject Minister of Urban Development & Housing for approving the Anuradhapura Urban Area Development Plan 2021 – 2030 under the provision of Urban Development Authority Act No. 41 of 1978 as amended by the Act No. 04 of 1982. Further, it is our privilege to Dr. Nalaka Godahewa, State Minister of Urban Development, Coast Conservation, Waste Disposal and Community Cleanliness and Mr. Sirinimal Perera, Secretary to Ministry of Urban Development & Housing for their guidance and supports in this process.

Special gratitude offered on behalf of the planning team and the UDA, to the Mayor, H.P Somadasa.(Anuradhapura Municipal Council) , Chairman , T.B.N Jayasundara (Nuwaragampalatha Central Pradeshiya Sabha) , Chairman , S.B.Kumaradasa (Nuwaragampalatha East Pradeshiya Sabha) members of the Local Authoritie and the staff. Secretary Nuwaragam palatha East , Nuwaragampalatha Centra, & Mihinthalaya Divisional Secretariats and the staff for their generous support given for the successful completion of this development plan.

Also, special appreciation on behalf of the UDA offered to all kind of Government and Non-Government Agenesis those who has provided the relevant data and other support for the plan for giving data and directives required for the preparation of this plan.

Appreciatively thankful to Chairman of UDA Archt. Harshan De Silva, Director General of UDA Plnr. N.P.K. Ranaweera, Additional Director General of UDA Plnr. H.A. Dayananda, Deputy Director General (Planning) of UDA Plnr. M.P.Ranatunga, Director North central Province of UDA H.W Somararthne Consultant (Legal) of UDA Attorney at Law C. Jayawardena, Director (Strategic Planning) of UDA Plnr. Priyani Nawarathne on behalf of the planning team for their incomparable courage, guidance and welcoming support.

In the end, Director – Environment & Landscape division L.Arct. C.K.E. Kalupahana and the staff of the division and Director - Geographical Information System & ITS Plnr. J.P.S. Somasekara and the staff of the division and the staff members of all divisions are gratefully appreciate on behalf of the planning team for their support to the successful completion of this task.

Honorable Minister's forward



The Urban Development Authority was established under the Urban Development Authority Act No. 41 of 1978, for the systematic planned urban development in the declared urban areas and continue to actively contribute towards it.

Steps have been taken to formulate comprehensive development plans for each urban development area, based on the efficient and effective use of physical space so that all areas of Sri Lanka make an equal contribution to the development process of the country.

The Anuradhapura town provide services to a large population. Accordingly, Anuradhapura Urban Area has the potential to become a town that continues to provide residential and commercial services. This potential is further enhanced by the natural ecosystem of the surrounding area and the locations of archeological sites of value. These development plans aim to develop as Urban area by utilizing the potential of the area.

For the realization of His Excellency the president's vision "Vistas of Prosperity" the new Re-urbanization Programme has been formulated in wide consultation with Professionals, Specialists, Stakeholders & communities with strategies having an excellent technological methodology and innovative approach.

Accordingly, I commend the Chairman of the Urban Development Authority, the Director General, the planning teams and all the officers of the Urban Development Authority who assisted in making this work a success. Further, I also appreciate and believe through the support and contribution of the relevant Local Government Institutions, Public and Private Sector Institutions and the general public Anuradhapura Urban Area Development plan would be successfully implemented.

Hon.Mahinda Rajapaksa (M. P)
Minister of Urban Development & Housing

Honorable State Minister's forward



As a pioneer in Sri Lanka in achieving modern sustainable development goals, the Urban Development Authority has a great responsibility. Accordingly, it is essential to prepare development plans for the Urban Development Areas declared by the Hon. Minister in charge of the subject in terms of the Urban Development Authority Amendment Act No. 04 of 1982 (Part II, Section 8A (1)).

The development plans thus formulated are primarily aimed at building a productive citizen, a happy family, a dignified society and a prosperous nation, which are the core aspirations of the vistas of prosperity. I also believe that these development plans will go a long way in achieving the objectives of urban development and regulation through a formal reorganization plan that will bring economic stability to the urban population.

Therefore, I would like to express my heartfelt gratitude to the planning team and to all those who have played a very responsible role in preparing this plan and I hope that you will all contribute to the expectations of the vision of prosperity.

Dr. Nalaka Godahewa (M.P)
State Minister of Urban Development, Coast Conservation,
Waste Disposal and Community Cleanliness

Honorable Chairman's forward - UDA



Throughout the last four decades, Urban Development Authority has been serving as the apex planning authority in Sri Lanka having the statutory powers to prepare and enforce urban development plans.

Urban Development Plans cover a number of fields including optimum, effective and efficient use of land and managing the quality of its environment. These development plans are prepared for the promotion and terms of public well-being in urban areas and the people.

According to the present government's manifesto, it is compulsory to prepare development plans for areas which have been declared as urban development areas by the subject minister as per section 8 A (1) under part II of Urban Development Authority Act No. 04 of 1982 (Amendment).

The Development Plan for Anuradhapura Urban area has been prepared for the period 2021 – 2030 considering the physical, economic, social and environmental factors, while successfully overcoming the challenges in preparing the development plan through tools and methodologies with which the Urban Development Authority is equipped.

Therefore, I extend my heartfelt gratitude to the planning teams who dedicatedly worked for ensuring successful completion of this plan and to those who contributed in numerous ways. At the same time I also expect that all parties who contributed for the preparation of this plan will also effectively contribute in future as well for successful implementation of the plan.

Archt. Harshan De Silva
Chairman
Urban Development Authority

Local Authorities Chairmen's forward



Mayor
H.P Somadasa
(Anuradhapura Municipal Council)



Chairman
T.B.N Jayasundara
(Nuwaragampalatha Central Pradeshiya Sabha)



Chairman
S.B Kumaradasa
(Nuwaragampalatha East Pradeshiya Sabha)

We express our gratitude to the Urban Development Authority, for developing a development plan for the Anuradhapura Urban Area based on the vision of 'The Buddhist Heritage Capital of the World' Covering Anuradhapura Urban Area. This plan aims to formalize the urban development in the Anuradhapura Urban area and maintain sustainable development.

We appreciate the realistic attempt of the Urban Development Authority to make the development plan for Anuradhapura Urban Area as a participatory planning approach, by considering criticism, suggestions and recommendations which are recommended by of us and the representatives of the general public. We are assuring our participation and support to implement this development plan for Anuradhapura Urban Area within the next decade. Similarly, we wish to participate all citizens and active working parties in private and institutional level to achieve the expectations of the Anuradhapura Urban Area Development Plan by the year 2030.

Preface

The eight local authority area has been declared under the UDA Act No. 41 of 1978 by a special gazette bearing no 1179/11 of 10th April of 2001by the Minister in charge of the subject of Urban Development as an urban area in Anuradhapura District. Accordingly, attention was drawn to prepare a new development plan for the Anuradhapura Urban area on the need of updating the Anuradhapura Development Plan of 2006-2016, prepared for the entire Anuradhapura Municipal Council area.

The basis for the preparation of development plan can be identified as the data collection in relation to the years 2001 – 2019 and the data collected from the field surveys carried out. And analysis of collected data by using the scientific methods of analyzing and coming to the conclusions upon them. Accordingly, the new development plan for Anuradhapura Urban area has been prepared for the 2021-2030 period, by utilizing the results and the decisions have been taken at various times in the development planning process and with the practical process and mixing of the same with the practical aspects of the Anuradhapura Urban area.

Anuradhapura Urban Area Development Plan 2021-2030 consists of three main parts such as part I, part11, and part III. The part I consists of the background study. Preliminary studies, the need of the plan, the planning framework, the SWOT analysis and the plan. Part II consists of the Planning and Building guidelines and Zoning guidelines pertaining to the planning boundary for the period of 2021 – 2030. The Part III consist of the zoning boundaries with the coordinates and all the annexures.

Part One - Chapter 1 of the plan detailed out the meaning of the term development plan, its legal context, the stakeholders of the plan, its context and the planning process followed. And chapter 2 & Chapter 3 respectively include the planning area, history of the area, boundary delineation of the area and need of the plan in detail. Chapter 4 consists Vision, Goals and Objectives and Strategic Plans while Chapter 5 include the detailed description on the baseline SWOT analysis for each Goal. Further, Chapter 6 of the plan describe the conceptual plan and proposed land use development plan. Under that the main strategic plans of the Anuradhapura Urban Area Development Plan, such as Road and Transport Development strategy, Sustainable Environment development strategy, Economic development strategy, Infrastructure development strategy and implementation strategy has been detailed out as sub sections.

Similarly, Part Two - Chapter 7 of the Volume II has been dedicated to describe planning & Building Guidelines and in chapter 8 described the identified Zones and Zoning Regulations and Chapter 09 included proposed road width, building line and reservations.

APPROVAL OF THE DEVELOPMENT PLAN FOR THE URBAN DEVELOPMENT AREA OF ANURADHAPURA MUNICIPAL COUNCIL AREA AND PART OF THE NUWARAGAMPALATHA PRADESHIYA SABHA (CENTRAL) AND PART OF THE NUWARAGAMPALATHA PRADESHIYA SABHA (EAST)

I, Mahinda Rajapaksa, Minister of Urban Development and Housing do hereby approve the development plan for the urban development area of Anuradhapura Municipal Council Area and part of the Nuwaragampalatha Pradeshiya Sabha (Central) and Part of the Nuwaragampalatha Pradeshiya Sabha (East), having considered the recommendation made by the Board of Management of the Urban Development Authority on 24th September, 2020 by virtue of the powers vested in me under section 8 "F" of the Urban Development Authority (Amendment) Act No.4 of 1982.

Mahinda Rajapaksa (M.P)

Minister of Urban Development and Housing

Ministry of Urban Development and Housing,

17th and 18th Floors,

"Suhurupaya",

Sri Subhuthipura Road,

Battaramulla.

Date: 15 April, 2021.

Gazette Notification

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The Gazette of the Democratic Socialist Republic of Sri Lanka

EXTRAORDINARY

අංක 2236/27 - 2021 ජූලි මස 13 වැනි අඟහරුවාදා - 2021.07.13

No. 2236/27 - TUESDAY, JULY 13, 2021

(Published by Authority)

PART I : SECTION (I) — GENERAL

Government Notifications

APPROVAL OF THE DEVELOPMENT PLAN FOR THE URBAN DEVELOPMENT AREA OF ANURADHAPURA MUNICIPAL COUNCIL AREA AND PART OF THE NUWARAGAMPALATHA PRADESHIYA SABHA (CENTRAL) AND PART OF THE NUWARAGAMPALATHA PRADESHIYA SABHA (EAST)

I, Mahinda Rajapaksa, Minister of Urban Development and Housing do hereby approve the development plan for the Urban Development area of Anuradhapura Municipal Council Area and part of the Nuwaragampalatha Pradeshiya Sabha (Central) and part of the Nuwaragampalatha Pradeshiya Sabha (East), having considered the recommendation made by the Board of Management of the Urban Development Authority on 24th September, 2020 by virtue of the powers vested in me under Section 8 "F" of the Urban Development Authority (Amendment) Act, No. 4 of 1982.

MAHINDA RAJAPAKSA (M. P.),
Minister of Urban Development and Housing.

Ministry of Urban Development and Housing,
17th and 18th Floors,
"Suhurupaya",
Subhuthipura Road,
Battaramulla,
15th April, 2021.

07 - 589/1

1A- G 34654—60 (07/2021)

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NOTICE OF APPROVAL OF THE DEVELOPMENT PLAN FOR THE URBAN DEVELOPMENT AREA OF MUNICIPAL COUNCIL OF ANURADHAPURA AND PART OF THE PRADESHIYA SABHA LIMIT OF NUWARAGAMPALATHA (CENTRAL) AND PART OF THE PRADESHIYA SABHA LIMIT OF NUWARAGAMPALATHA (EAST)

NOTICE is hereby given to the General Public of the Democratic Socialist Republic of Sri Lanka under Section 8 (G) of the Urban Development Authority Law, No. 41 of 1978 as amended by the Act, No. 4 of 1982 that I, Mahinda Rajapaksa, the Minister in Charge of the subject of Urban Development & Housing, by virtue of the powers vested in me under Section 8 (F) of the said Act, have approved the Development Plan for the Urban Development Area of Municipal Council of Anuradhapura and part of the Pradeshiya Sabha limit of Nuwaragampalatha (Central) and part of the Pradeshiya Sabha limit of Nuwaragampalatha (East), prepared under Section 8(A) of the said Act, on the 15th day of April, 2021.

MAHINDA RAJAPAKSA (M. P.),
Minister of Urban Development & Housing.

Ministry of Urban Development & Housing,
17th and 18th Floor,
"Suhurupaya",
Subhuthipura Road,
Battaramulla,
12th July, 2021.

07 - 589/2

APPROVAL OF THE DEVELOPMENT PLAN FOR THE URBAN DEVELOPMENT AREA OF MUNICIPAL COUNCIL OF ANURADHAPURA AND PART OF THE PRADESHIYA SABHA LIMIT OF NUWARAGAMPALATHA (CENTRAL) AND PART OF THE PRADESHIYA SABHA LIMIT OF NUWARAGAMPALATHA (EAST)

PUBLIC are hereby informed that the Development Plan prepared for the Urban Development area of Municipal Council of Anuradhapura and part of the Pradeshiya Sabha limit of Nuwaragampalatha (Central) and part of the Pradeshiya Sabha limit of Nuwaragampalatha (East) under Section 8 (A) of the Urban Development Authority Law, No. 41 of 1978 as amended by the Act, No. 4 of 1982 has been approved on 15th April, 2021, by Hon. Mahinda Rajapaksa, Minister of Urban Development & Housing, by virtue of powers vested on him under Section 8 (F) of the said Act.

Archt. **HARSHAN DE SILVA**,
Chairman,
Urban Development Authority.

12th July, 2021.

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PRINTED AT THE DEPARTMENT OF GOVERNMENT PRINTING, SRI LANKA.

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PART I

Chapter 01
Background of the Study

1.1 Introduction

By this urban development plan, a development plan is prepared for the Anuradhapura urban area and the necessary strategies have been developed for the prosperous development of the physical, economic, social, environmental sectors of the area to be achieved by the year 2030 through this strategic plan. Here, this development plan has been prepared as a strategic plan by using the mostly used modern technological tools, methodologies and analyses. A development plan is a tool used for the prosperous development of the physical, economic, social and environmental sectors in an area with a broad vison.

While the UDA of Sri Lanka functions as a main institute for the urban development of Sri Lanka, the UDA has been authorized by the UDA Act No. 41 of 1978 for preparing and implementation of the urban plans for prospering development in the physical, economic, environmental sectors.

As per the powers vested under section 3 (I) of section 8 A, Act No.41 of 1978 as amended by UDA Act No 04 of 1982, Anuradhapura Urban Council area has been declared as an Urban Development Area by special gazette notification No. 38 of 01st of July 1979. Under the grater Anuradhapura plan, Anuradhapura MC Area has been further declared as an urban development area by special gazette notification No 1173/11 of 10th of April 2001. The Urban development area is being equally boarded by the Anuradhapura MC area. This Urban Development Area consists of 6200 hectares. This development area consists of different potions added from divisional secretary areas of Nuwaragam Palatha Central, Nuwaragam Palatha East, Mihinthalaya. This development plan has been prepared for Anuradhapura urban development area based on providing community facilities and services by UDA for preparing the integrated plans for lands and buildings, promoting and formalizing the physical development.

Based on above said reasons, a development plan was prepared by the UDA for the Anuradhapura MC area for the period of 2006 to 2016. But, due to the legal background of the plan has expired and some of the rules and regulations of the plan are not valid for present development activities, the need for a new development plan arose.

This development plan is designed also through the study of the exterior areas of the Anuradhapura municipal area. This development plan provides the requirements to improve the physical, economic, social and environmental sectors in above mentioned areas and to create a prosperous development based on better use of above sectors within the period between 2021 to 2030.

1.2 Stakeholders of the Plan

The plan for the Anuradhapura Urban Development Area was designed by the contributions of the following groups.

- **Main Coordinated Institutions**

Anuradhapura MC

NuwaragamPalatha East PS

NuwaragamPalatha Central PS

- **Main Consultancy Agency**

National Physical Planning Department

Archaeological Department

Central Cultural Fund

Disaster Management Centre

Nuwaragam Palatha East Secretariat Office

Nuwaragam Palatha Central Secretariat

Office Central Environmental Authority

Provincial Irrigational Department North Central

Irrigational Department

Road Development Authority

District Secretary office – Anuradhapura

North Central Provincial Council

Divisional Secretariat Office – Mihinthalaya

Mihinthalaya Pradeshiya Sabha

NuwaragamPalatha Central Pradeshiya Sabha – Elayapaththuwa

NuwaragamPalatha East Pradeshiya Sabha – Vijayapura

National Water Supply and Drainage Board

Sri Lanka Transport Board

Provincial Educational Department – North Central Province

Sri Lanka Police

Sri Lanka Electricity Board

Provincial Health Department – North Central Province

Tourist Development Board

Agrarian Department

Road Passenger Transport Authority

Provincial Road Development Authority

❖ **Other Relevant Stakeholders**

Hotel Association – Anuradhapura

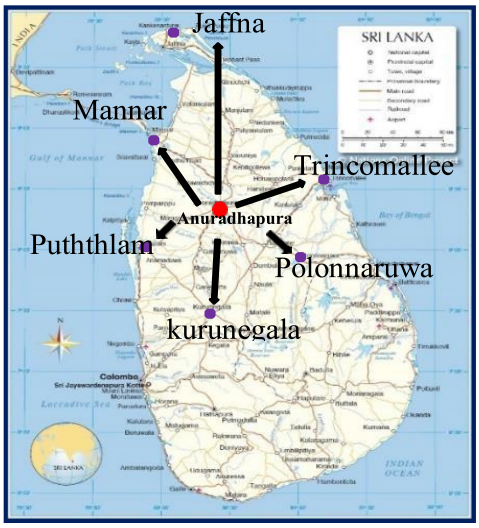
Business Association – Anuradhapura

chamber of commerce – Anuradhapura

Farmer's Associations

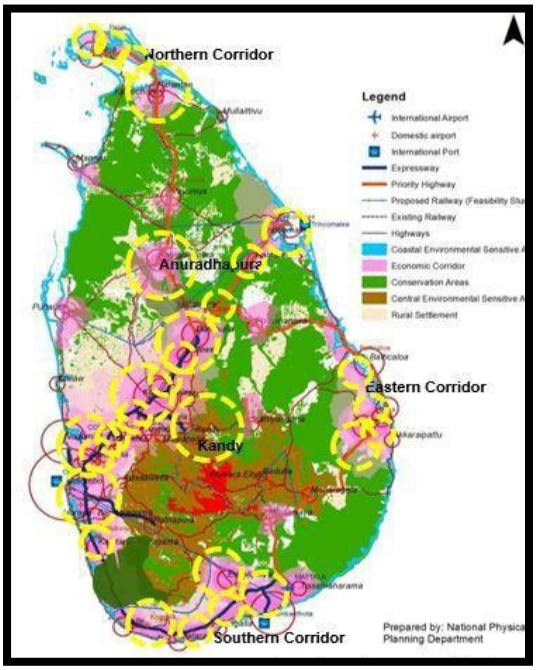
1.3 Scope of the Development Plan

Figure 1 Zonal Network of the City



While the Anuradhapura urban area has well connected with the areas situated in the North, East, South and West through the existing transport system, based on these connections, the Anuradhapura urban area functions as a service center of the region. The required plans are made to make Anuradhapura Urban Area as a healthy and secured main center within the region through this development plan.

Figure 2 Proposed National Physical Development Plan of Sri Lanka



Moreover, Anuradhapura Urban Area and its neighboring areas have been identified as a highly urbanized area according to the national physical plan prepared by the national physical planning department and it is expected a population of 5 lacks within Anuradhapura Urban area by 2050. Through this development plan, the required plans are prepared for achieving the objectives of the national physical plan according to the requirements of above projected population and for the balanced development in the physical, economic, social and environment sectors.

Source. National Physical Planning Department 2017

As it is hoped to promote the foreign tourists to the Anuradhapura city by the 2030 according to the tourist development plan prepared by the Sri Lanka Tourist Development Authority, one of the objectives of this development plan is to prepare the required plans to create an environment physically and environmentally for above purpose.

Further, this development plan aims to provide comfortable and secured place for the public of the urban area by strategically minimizing the impact of natural disasters occurring in the area.

This development plan provides required opportunities for maintaining existing transport system within the urban area in comfortable manner. The needed requirements are to be supplied through this development plans to form land use pattern to provide facilities to open domestic air ports used for military purposes in an area to be developed through national level policies though it is difficult to be realized.

Further, the needed requirements are provided by this development plan to protect the scared city which was a special heritage in the area from the impacts of the irregular development processes, and to protect the existing historicity and inheritability within the sacred city, and to protect the factors affecting to increase the invincibility of the sacred city.

one of important objectives among the main objectives of this development plan is to make this area a comfortable and secured area through great development in physical, economic, social and environment sectors by the year 2030 by enforcing the rules and regulations related physical development and implementing its related projects, to prepare integrated plans for the prosperous development in physical, economic, social and environment sectors through this development plan.

1.4 The Planning Process

Background study

The geographical data, mapping out has been performed for Anuradhapura urban area and areas surrounding it. The time period taken for this is about four months from April 2017. A scientific analysis has been done through the collection of required data from different institutions such as Anuradhapura Municipal Council, National Physical Planning Department and Road Development Authority.

Scoping

A study has been done on locating the town according to the urban hierarchy, the considering needs in Anuradhapura city according to the national level plans, development activities being implemented in the area and proposed development activities.

Problems potentials Identifications

The ideas have been considered from resource persons, partners, private and public agencies and associations on how each institution has contributed to improve the development potentials in the city, problematic conditions and the possibilities for improving the city by preventing them. The development potentials and their problems of the area have been identified within the time period of October 2017 to February 2018. For this purpose, analyses of environmentally sensitive areas, analyses on changes in land use pattern, analyses about the areas affected by the development activities and analyses about the visiting of tourists and the devotees to the city and also study of related statistics have been done.

Designing of the Development Vision, Purpose and Goals

The vision and the objectives have been developed for promoting the progress of the city through preventing problematic conditions of the physical, economic, social, environmental sectors, and utilize the optimum use of the existing development potentials of the city. The objectives for the realization of the goals of the development plan have been prepared based on the results of the descriptive analysis has stated above. The goals were prepared to improve the development potentials in the area during a definite time period in different proportions to prevent the problematic conditions existing in the area through a definite period to move towards the development of the area.

Data analysis

After developing the vision for the city and the goals for realizing the vision, a SOWT (strengths, opportunities, Weakness, Treats) analysis has been done by broadly identifying the strengthens, weakness, opportunities and treats and the potencies and their increasing and the decreasing and the various analysis done scientifically for taking the required actions. For this descriptive analysis a time period of three months from 2018 October has been spent.

Preparation of development strategies

For realizing the goals, the land use plan for physical, economic, social and environmental development, Proposed Land Use Plan, proposed water drainage system plan, proposed tourism promotion plan, proposed road and transport plan to be plans have been made. Having identified the functioning projects after studying the feasibility report for the realization of the goals, analysis was done for the cost estimate, the time period for the project, the uses and the beneficiaries of the project, methodologies for implementing the project.

Planning laws and regulation design phase

Here a legal framework actions are to provide a legal frame work to enforce the rules and Guidelines for building construction, rules and Guidelines for the land use creating legal frame work for the resolutions of the problems to minimize the problem identified for reaching the vision of the development plan by the analysis of the identified problems.

Approval process

This stage aims to obtain the approval of the general public and the local authority. The draft development plan will be kept open for public review for a duration of 60 days at the local authority. In addition, to educate the public and other stakeholders and incorporate their views and comments further information sessions are to be organized appropriately. This will expected to extend to obtain ideas and proposals of local authority well.

The presentation of the development plan to the main planning committee

At this stage the comments and suggestions of the local authority, as well as the comments of the other stakeholders in conjunction with the draft development plan is to be presented to the Main Planning Committee. Then a final draft of the development plan will be made based on the comments and suggestions of the Main Planning Committee.

Approval process and publication

The following steps were taken during this phase:

1. Obtain approval of the Main Planning Committee
2. Translation of the development plan into the three language
3. Obtain approval of the management board
4. Obtain approval of the subject minister
5. Publication of the gazette
6. Public notification through newspapers

Chapter 02

Background Study

The physical, economic, social and environment sectors and systems were studied in depth prior to formulate and develop this development plan for Anuradhapura Urban Area.

2.1 The Study Area

In order to prepare this development plan for Anuradhapura Urban area, the background was set up by studying the areas which were included in the Grater Anuradhapura Development planning proposals gazette by the Gazette Notification No 1179/11 on 10th of April 2001.

An area consists of approximately 2050 square kilometers was selected for formulating required plans and strategies for the development of physical, economic, social and environment aspects in the Anuradhapura city which was the main administrative city of the Anuradhapura district. Approximately 1925.4 square kilometers land area including the areas of Nuwaragam Palatha Central, Nuwaragam Palatha East, Mihinthalaya, Thirappane, Rabawa, Nachchaduwa, Thalawa, Thabuththegama, Nochchiyagama of Anuradhapura district have been declared and stated as an Urban Development Area in the Grater Anuradhapura development plan issued by no 1179/11 gazette in 2001. Based on above area declaration, the area consists of a possibility to create a positive impact for the future development activities of Anuradhapura Urban Area was ensured by considering and analyzing the population, population growth rate, urban characteristics, land use patterns in above mentioned declared area prior to prepare the development plan for Anuradhapura urban development area.

2.2 Planning and Situational Context

In the historical studies of Anuradhapura, it is revealed that Anuradhapura has its own an ancient and wonderful history. According to the folktale, evolution of Anuradhapura begins since such a long time of 483 B.C. Afterward, Anuradhapura becomes the first planned city of Sri Lanka. It is during the period of king Pandukabaya. Centre of the city had been planned in a systematic manner in this period. The court and other valuable elements (Anga Nagara) are situated in the inner part of the city and settlements of inhabitants and agricultural fields are situated away from the middle part of the city. According to the MahaWansaya, the city belonged to the king. Evidences prove that Anuradhapura which was the first kingdom of the Sri Lanka had remained as a capital city after 1400 years.

According to the record of the monk of Pahiyangala, Anuradhapurta was very fertile city in 413 A.D. Even in that period, there had been huge fairs and variety of functions and those records has further revealed that people who were living in that period spent their lives with joy.

When it is come to the period of king Wijayabahu IV, existing lush condition of the Anuradhapura has declined and gradually converted to the forest. At the 1680 A.D, the details of the Anuradhapura have been described in “Edaa - Heladiwa”, the book written by Robert Knox. According to the Robert Nocks, there was a huge tank in the center of the city and people have utilized the water of this tank for their cultivations and agricultural purposes. The small towns also had been established within as well as away from the main city. The book, “Edaa - Heladiwa” reveals that these small towns also had surrounded by the forest. By the 19th century, Anuradhapura has become an unpopular city which was surrounded by the forest. This has been stated in the report of the Jhon Deew.

Again, the Anuradhapura city was uplifted by the British rulers in the same century of 19 and at the beginning of the 20 century, Archaeological activities were started. The city of Anuradhapura which accrued the historical value was named as a world heritage city by

UNESCO in 1982. The initiations and efforts to develop the Anuradhapura city can be outlines as follows.

Conservation charter of Anuradhapura - 1942

The aim of this charter was to remove and discourage the unsuitable land uses and irregular constructions while maintaining the regular and planned land use pattern in the city of Anuradhapura. Mr. Oliwere Wirashinghe, Town Planner was assigned to plan the new town of Anuradhapura in 1947 with the purpose of minimizing the consequences which were occurring due to the irregular constructions in the sacred city of Anuradhapura.

The program for conservation of the Anuradhapura – 1949

Main purpose of this program was to remove the existing irregular constructions in sacred city of Anuradhapura. As a result, this program aimed to further preserve the sacred city of Anuradhapura. In this case, an area was planned as an Anuradhapura New Town for the new constructions and settlements.

Anuradhapura conservation Board – 1961

The conservation Board was established in 1961 because of less efficiency of implementation of the Anuradhapura conservation program of 1949. According to the gazette No 32 of 1961, the powers of Anuradhapura city were obtained under control of this conservation board.

Anuradhapura Scared City Planning Program – 1948

Although Anuradhapura scared city planning program was introduced in 1984, it was implemented in 1988. The main objective of this program was to construct the Watawandana Road. It was aimed to provide the accessibility for all archaeological sites. This program further aimed to relocate the people who were living illegally in archaeological sites in areas such as Niraviya and Mihidupura.

Anuradhapura Conservation Program – 1996

The implementation of archaeological excavations was primary objective of this program. The requirements such as Researches related to the archaeological activities and educational activities, provision of common facilities for local as well as foreign tourist and pilgrims have been considered in this program.

Grater Anuradhapura Town Development Plan – 2001

Approximately 1925.4 square kilometer from Anuradhapura district was declared as Urban Development Area by gazette No 1179/11 issued in 2001. Rambewa DS Division, Nuwaragam Palatha Central DS Division, Nuwaragam Palatha East DS Division, Mihinthalaya DS Division, Thirappane DS Division, Nachchaduwa DS Division and a part of Thabuththegama DS Division and Nochchiyagama DS Division were declared and stated as Urban Development Area. In this way, 278 Grama Niladari divisions were gazetted. In addition to the Anuradhapura Municipal Council Area, in this plan, the foundation was set up to develop the identified more areas by considering area by considering the possibility for development of physical, Economic, Social, and Environment Sectors in such areas.

Anuradhapura Development plan 2006 – 2016

In this development plan, the Anuradhapura municipal council area was developed under the zoning plan approach. By this approach, opportunities have been provided in order to continue and maintain the day to day needs of the communities in the systematic manner and increase the functionality of the city through the different projects while ensuring the proper method for maintaining the effective land use pattern to preserve the orderliness of the city.

National Physical Plan of Sri Lanka 2011-2030

In this development plan, Anuradhapura urban area and its high-density areas have been identified as a highly urbanized area and it is expected that population would grow by 1.5 million in suburban areas. Appropriate areas have been identified to be provided the required facilities for the communities for residential and commercial purposes while identifying the development project for the development of the city. The projects such as development of the road system, extension of the railways, proposing the new railways, opening the internal airport for civil communities and preparation of required physical environment for above priorities were highlighted in this development plan.

National Physical Plan of Sri Lanka 2017-2050

By this development plan also, two highly urbanized areas of Sri Lanka have been identified and one of them is Anuradhapura urban area and its dense area. It has been projected that population of this urbanized area would be approximately 0.5 million by 2050 and required development projects and appropriate areas for residential facilities have been identified to serve the above population growth in this development plan.

Present status of Physical, Economic, Social and Environment sectors of Anuradhapura urban area can be described as follows.

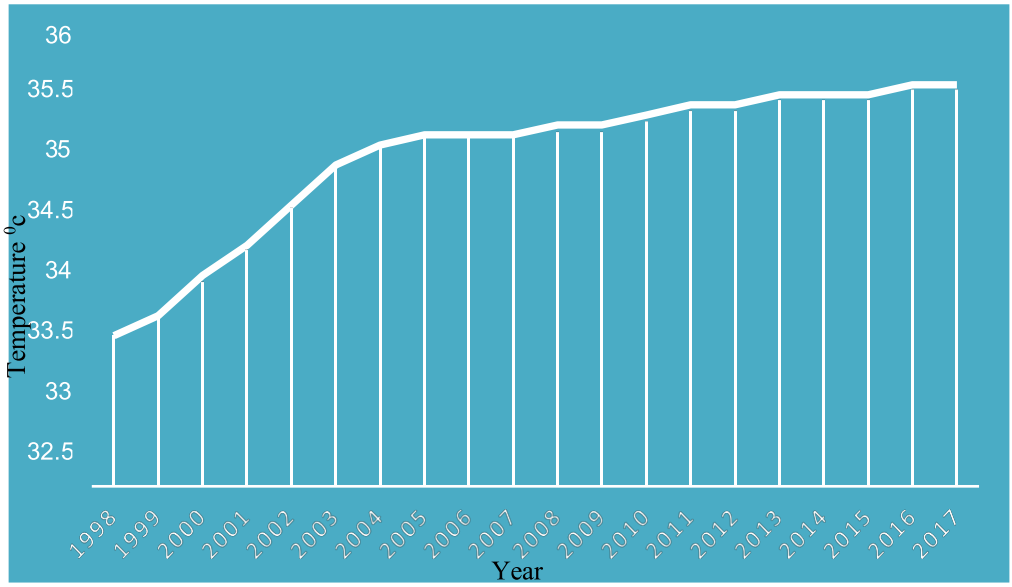
Figure 3 Anuradhapura Municipal Council Area



Source: Urban Development Authority - 2020

Anuradhapura MC Area considered as main administrative hub of the Anuradhapura urban Area. It is situated at 100-meter height from mean sea level and its land area is 42 square kilometres. The Northern part of Malwathu oya has extended as New Town while the Western part of the Malwathu oya has extended as Scared City. Anuradhapura MC Area consists of 25 GN Division including 12 GNDs of Nuwaragampalatha East DS Division, 11 GNDs of Nuwaragam palatha Central DS Division and 02 GNDs of Mihinthalaya DS Division. This area consists of the characteristics of dry zone and Torrid Zone. Annual average temperature of area is between 33 to 35 degrees Celsius. When this annual average temperature level is compared with previous years, it can be observed that it is gradually increasing.

Chart 1 Increasing of Temperature



Source: Department of Meteorology - 2019

Although the average temperature of area is such value, the Analyses conducted by international institutions have proved that the feeling temperature is high from 5 degrees Celsius.

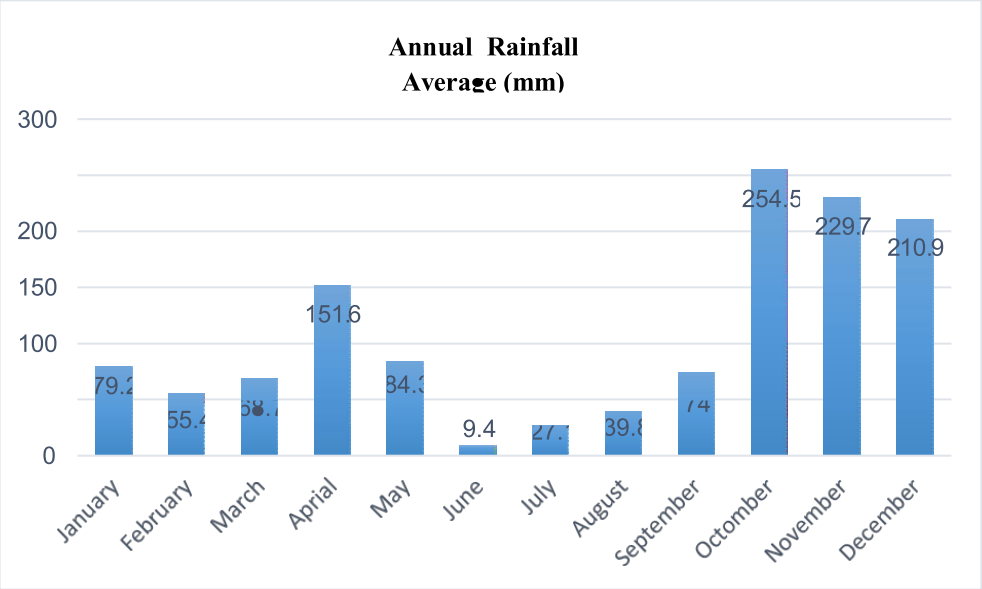
Table 1 Difference of Environmental temperature and Feeling temperature

Environment Temperature	33^0	35^0	34^0	32^0	31^0	29^0	28^0	27^0
Feeling temperature	40^0	42^0	41^0	40^0	37^0	35^0	34^0	31^0

Source: https://www.accuweather.com - 2019

Annual average rainfall is about 1000 ml to 1500 ml and maximum annual average rainfall occurs during the period of September to December, North East monsoon. Southwest monsoon rains take place during the period of May to June.

Chart 2 Differences of Rainfall



Source: Department of Meteorology - 2019

As a whole, although the dry climate situation can be seen in the period about 9 months, Nuwara Wewa, Basawakkulama Wewa, Thisa wewa, Kumbichchankulama tank and additionally several small tanks such as Ponnaramkulama, Aththikulama, Wanniyankulama are situated in this area to store the water which receives with the activation of the Monsoon period. Value of the area becomes more intensive because of attraction and attention of the locals and foreigners for the shrines belong to the Atamasthana such as Sri Mahabodiya, Ruwanwali MahaSaya, Jethawanaramaya, Thuparamaya, Abayagiriya, Lankaramaya, Mirisawatiya, Lowamahapaya and existing places with the historical and archaeological values such as Samadi Statue, Isurumuniya, Ranmasu Uyana and based on these values, the city was declared as a World Heritage City by UNESCO in 1982.

When attention is paid for the population of the city, according to the reports of the census and statistic department, total population of Anuradhapura district in 2011 is 856, 004 and 6% of it belongs to the urban population of Anuradhapura. When both years of 2001 and 2011 are compared according to its population density, it can be observed that there is a gradual declination of the population of the urban area. Urban population in 2001 is 56,632. This has gradually declined as 52,007 in 2011 and 52,703 in 2017. According to the statistic calculations, it is clear that the population growth rate has taken a low value such - 0.000847.

Population for square kilometer is 1231 in 2017 and highest population density reports in stage iii (part 1) GN division and stage iii (part 2) GN division and lowest population density reports in Thisawewa GN division. Female and male compositions in urban population of Anuradhapura are 52 percent and 48 percent respectively. If It is described according to the age categories, percentage of persons who belong to the age categories of 0 to 14, 15 to 59 and above 60 are 26 percent, 66 percent and 8 percent respectively. Therefore, high amount of active portion of the labor force can be identified as a resource to strengthen the economy of the city. When ~~is~~ the population of area is described according to their ethnicity and religious, statistical reports indicate that in 2017, Sinhalese was 92 percent and Buddhists was 90 percent and it can be mentioned that this situation supports to preserve the heritage of the Buddhist city.

When comparing the spread of the housing units of the area in 2001, 2011 and 2017, Housing units in 2001, 2011 and 2017 are 14868, 12401 and 12103 respectively and it is clear that this amount has gradually decreased with the population growth rate being minus.

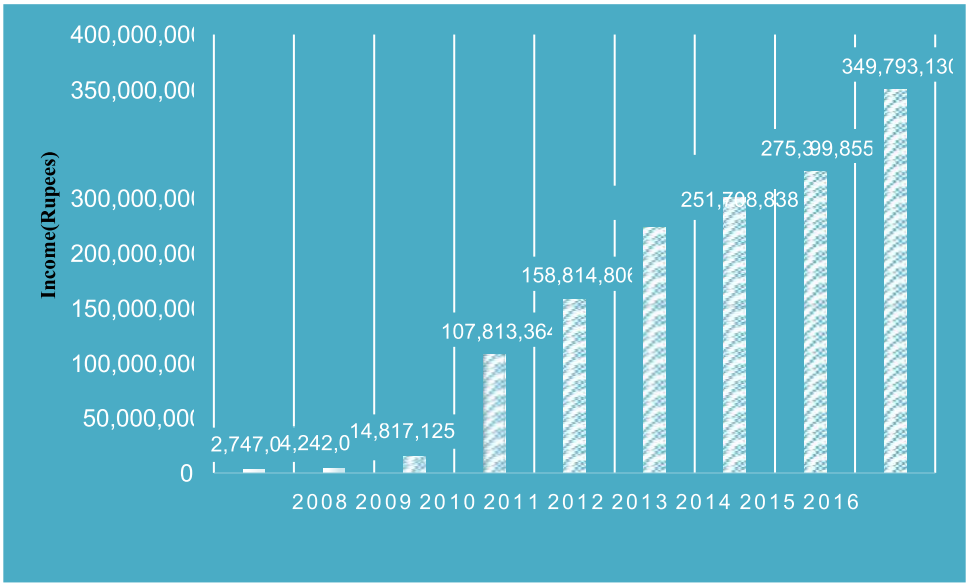
Large number of commuters daily arrives to the city through the six main entrances for fulfilling various requirements and various kind of identities like, city has been identified as a world heritage city, as a main administrative center of the province and as a main town of the district.

According to the traffic survey conducted by UDA in 2016, it is reported that the population who arrives to the city from external areas for various requirements is 160,000. According to the survey reports of traffic branch of police of Anuradhapura, it is further revealed that this amount of population in every year increases up to 11 lacks during the period of Wesak, Poson and Esala festivals and especial massiveness such as Pichchamal Pujawa and Kapruk Pujawa.

In the analysis of economy of the Anuradhapura city, it is revealed that before 1950, Anuradhapura has a primary sector based strong economy, but now, the contribution of the tertiary sector has been higher than the primary sector. According to the reports of the

Anuradhapura DS division, in 2017, contribution of Primary, secondary and tertiary sectors are9 percent, 19 percent and 72 percent respectively. The main administrative center of the province is situated in the Anuradhapura city, therefore more people come into the city in order to work in the administrative affairs, health service, educational affairs and trade affairs. Based on these reasons, there is high growth in the tertiary sector. According to the records of the Sri Lanka Tourism Development Authority, revenue which receives by the arrival of the foreign tourists has been a help to uplift the economy of Anuradhapura and this situation also has affected to make a growth in the service sector. When it is compared with the 2008, it is clear that direct income which was earned from the tourist industry has grown by the 100 percent.

Chart 3 Income from Foreign Tourist to the City 2008-2016



Source: Tourist Development Authority Sri Lanka - 2018

A large number of local tourists come for different massiveness which are held based on the sacred shrines and therefore based on this arrival, there is a possibility to obtain the contribution to the economy. The crowd which comes for the religious festival approximately can be shown as follows.

Table 2 Arrival of Local Tourist for Festivals -2016

Religious Festivals	Arrival of Local Tourist per day (million)
Poson	0.8
Wesak	0.3
Esala	0.15
PichchamalPujawa	0.5
Dahaspethiya Mal Pujawa	0.3

Source: Archeological Department and Traffic Police Division - 2018

When considering about the existing road network of the area, it shows that there is a well-connected road network. Total length of the roads which are being maintained by the Road Development Authority is 45 kilometers and Total length of the road which is being maintained by the Municipal Council is about 231 kilometers and some roads area maintaining by Provincial Road Development Authority.

The considerable amount of government schools are located in this area and in 2017, total students and teachers are about 28008 and 1225 respectively while the teachers student ratio is higher value such as 1:23. National schools such as Anuradhapura central college, Surnapali Balika Maha Vidyalaya and Zahira Muslim Maha Vidyalaya are located in this area and in addition to these national schools, private schools such as Riyansiperera, school of especial education, Lyceum international school, Ceylinco college, Cambridge college , Rahula College also are situated. In addition to the school education, higher education institutions such as Bhikshu University, open university are situated in this area to uplift the higher education. With the purpose of uplifting the vocational education, Hotel school, Vocational Training Authority, Industrial College, National Apprentice and Industrial Training Authority, Technical University, Youth Services Council, Educational Centers are located in the area.

Main health center of the area is Anuradhapura teaching hospital and all staff of the hospital is 2494 including the 51 specialists and 229 doctors. Amounts of Monthly outpatients and clinical patients are about 21465 and 41700 in 2017 respectively. Monthly residential patients are about 11200 in 2017. This hospital consists of wards about 46. In addition to Anuradhapura teaching hospital, Prison hospital, Ayurveda hospital and Army hospital are in this area. In addition to

that Number of private hospitals also located in the urban boundary. In the urban areas, the piped water was supplied by the National Water Supply and Drainage Board and Thuruwila, Nuwara wewa and Thissa wewa are used as water sources. Water is distributed in the urban area by utilizing the 4 water tanks which have been constructed within the urban area and 5 water tanks which have constructed outside from the urban area.

The solid waste which is collected per day is about 20 metric tons in the Anuradhapura town and solid waste is collected and disposed by the Anuradhapura Municipal Council daily according to the schedule.

Even though there is no a sewage system to cover the entire town of Anuradhapura, small scale swage system has been established to cover the Anuradhapura new Bus stand and its commercial area.

2.3 Delineation of the Planning Boundary

Following factors were mainly considered in determining the Anuradhapura urban and planning area.

Administrative Boundaries

While a development plan was prepared based on 2006 to 2016 for the Anuradhapura MC boundary by the UDA, in studying the population density and housing density influence made by the development activities, expansion of infrastructure facilities, changes of the land values have shown by now that, without limiting to the urban area, its development operations have expanded towards its external areas. In determining the administrative border of the planning area, the following GN divisions have been covered. Other than Anuradhapura Municiple Council area, the GN divisions of following divisions of the Mihinthale DS division, Henawatta GN division, Thannayamkulama, BandaraPuliyamkulama, Perimiumkulama, Katukeliyawa, Abayawewa, DewanamPiyathissapura, Pandulagama, Isurumuniya in the Madyamanuwagagampalatha DS division, the GN divisions of Nagenahira Nuwaragampalatha DS division, Poththegama, Wannikulama 01, Wanniyakulama 02, Wanniyakulama 03, Wanniyakulama 04, Wanniyakulama 05, Wanniyakulama 06, Wannithammannawa and the GN divisions of Sawasthipura, Kudanelubawa, Mahanelubawa of the Nachchaduwa DS division.

Functioning of the area

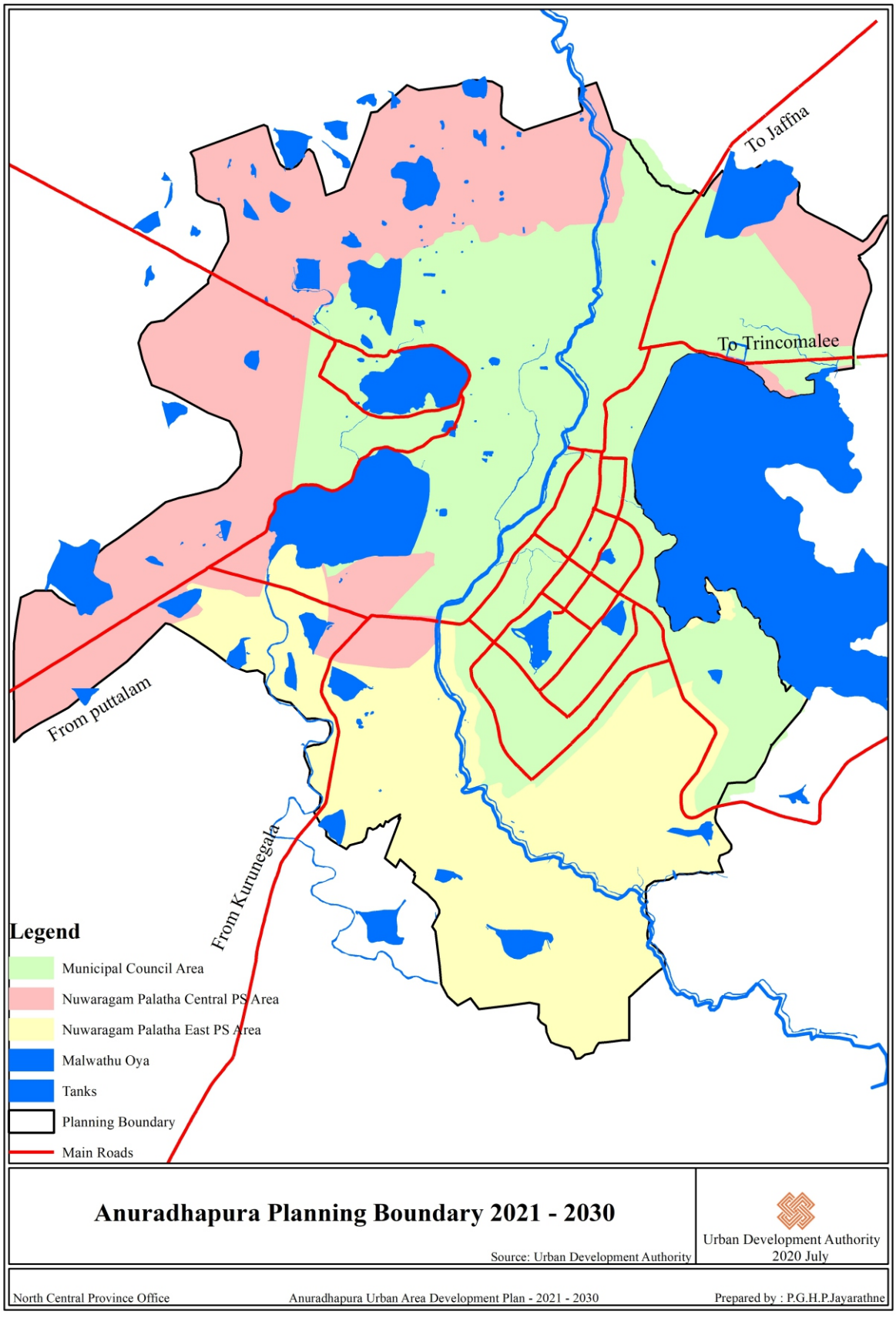
Development has taken place in the Anuradhapura city being the central area of North Central Province and the Anuradhapura District, the sacred city and religious cultural and tourism activities, to the western border of the Malwathu oya flowing across the city, the service center providing the services and the residential zone, showing the functioning of different uses. While the functions related to the sacred city are carried out by creating inter relationships with the new town. The functioning area of the new town is being expanded beyond the MC Area. Here, it has been confirmed by the analysis that the gradual population expansion is taking place towards its external areas. By the studying the identification of the urbanization level

through the analysis of the inter relationship between the cities and the analysis of the fluctuation of the land values, changes in land use pattern, changes in the land value, expansion of infrastructure facilities, this situation has been confirmed.

Geographical Features

It is made aware that this area is surrounded by environment sensitive areas including the paddy fields, tanks and forests. This has been confirmed by the analysis done for the environmentally sensitive areas. At the time these environmental sensitive areas are lying within planning area and beyond the Planning Area. And also analysis have been proved that, there are minimum effects to these sensitive areas due to development activities. Due to these reasons this development plan area expands beyond Anuradhapura MC Area covering 62 Square Kilometers.

Map 1Planning Area



Source: Urban Development Authority – 2020

Chapter 03

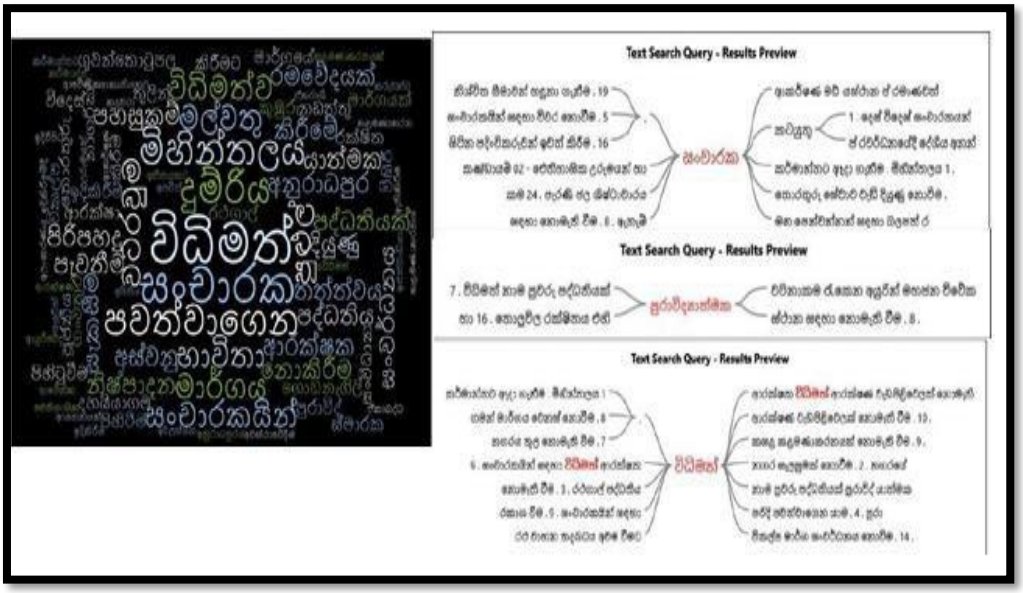
The Need of the Development Plan

A new development plan is necessary by having difficulties in enforcing certain sections by now and expiring the legal period of the development plan declared from 2006 to 2016 within the Municipal Council Boundary, by better identification of the development potentials in the city and utilizing them, strategically preventing the activities creating obstacles to the development activities of the city.

As it is expected the population within the Anuradhapura city and its neighboring areas to be 0.5 million according to the National Physical Plan declared for 2050 by the National Physical Planning Department, there is a need for planning the city to address the above gap and therefore, for this purpose, it is expected to fulfil the requirements through this development plan.

The problems and weaknesses and development potentials of the city were identified by using the statistically documented data (secondary data sources) and analyses and by prioritizing the suggestions and proposals of the representative partners of the government and non-government organizations such as Municipal Council, Road Development Authority, Archaeological Department, Irrigation Department, Disaster Management Centre, DS Divisions, Trade Associations through the NVIVO software. As a result, this development plan aims to consider these identified potentials and problems in the development process of the city.

Figure 4 Prioritize details by NVIVO Analysis

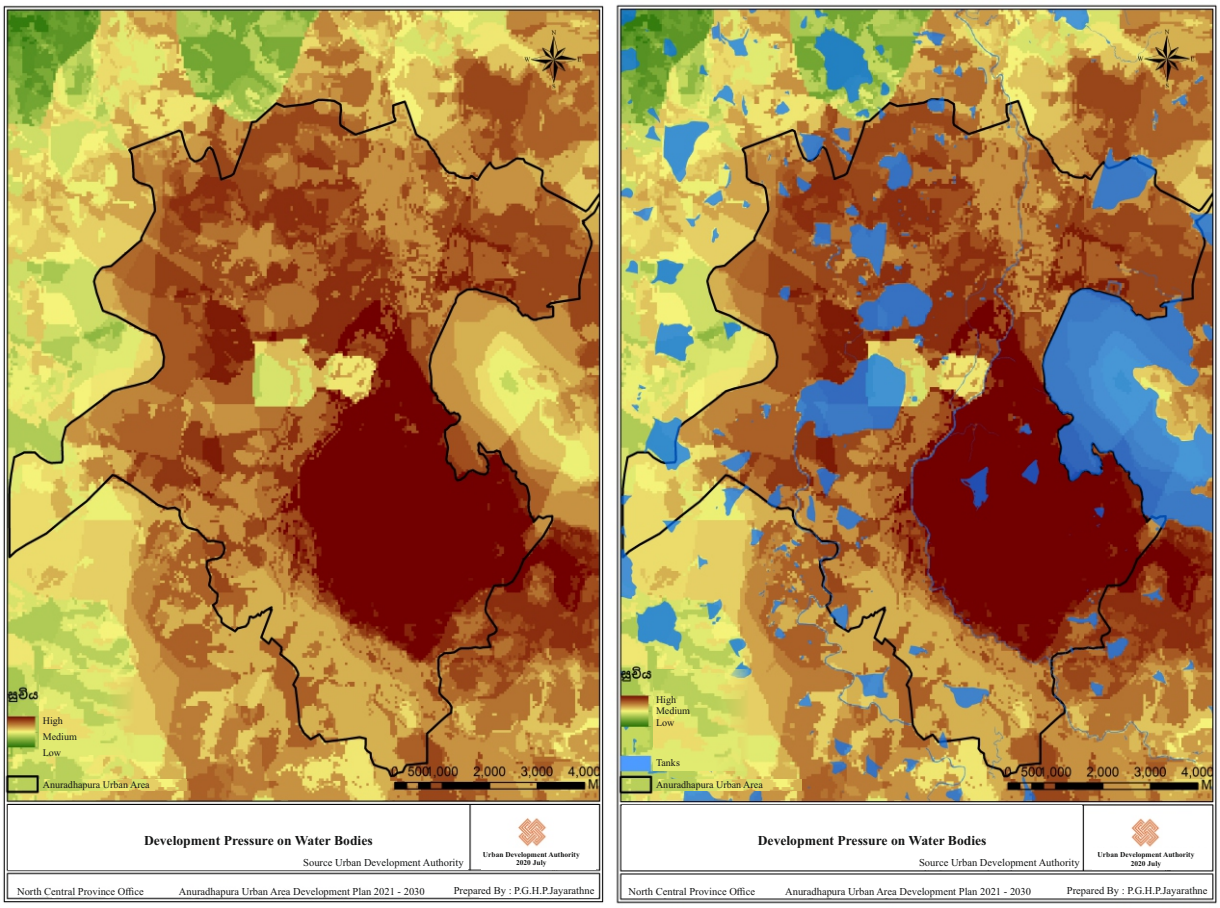


Source: Urban Development Authority - 2018

At the discussions with the people of the area, beneficiaries, tourists, professionals with especial knowledge, it was confirmed that especial attention should be paid for better utilization of the heritages still undiscovered and existing heritages within the scared city for the economic benefits of the city and protection of the unique pride of the city by conserving the environmentally sensitive areas for the future. Therefore, providing the opportunities for this purpose is another goal of this development plan.

An objective of this plan has been to supply the required services for the following percentages increased by analyzing the changes in the land use patterns between 2001 to 2016, 0.86 percent in the commercial sector, 0.3 percent in the administrative sector showing the growth of land use, and 1.56 percent in the tourism activities. By 2017 the service sector has achieved higher value surpassing the other sectors of the economy.

Figure 5 Development Pressure on Water Bodies



Source: Urban Development Authority - 2020

In area, there are development pressure on water bodies and it has been able to confirm through the analysis activities. By studying above figures, this can be better understood.

While it is seen that this impact has widely affected to the tanks such as the MalwathuOya, KumbichchanKulama tank, KadaPanahawewa, PonnaramKulama tank, at the present, existing situation in the area is also the same. Therefore, this area and aquatic areas have to be protected but, at the present, as it is not occurring, people have to face to the flood threat. While the flood situation which occurs with the rains receiving especially during the inter - monsoon period and the monsoon period directly affects to the public life and economy of the city, the impact to the public life with the time is shown below.

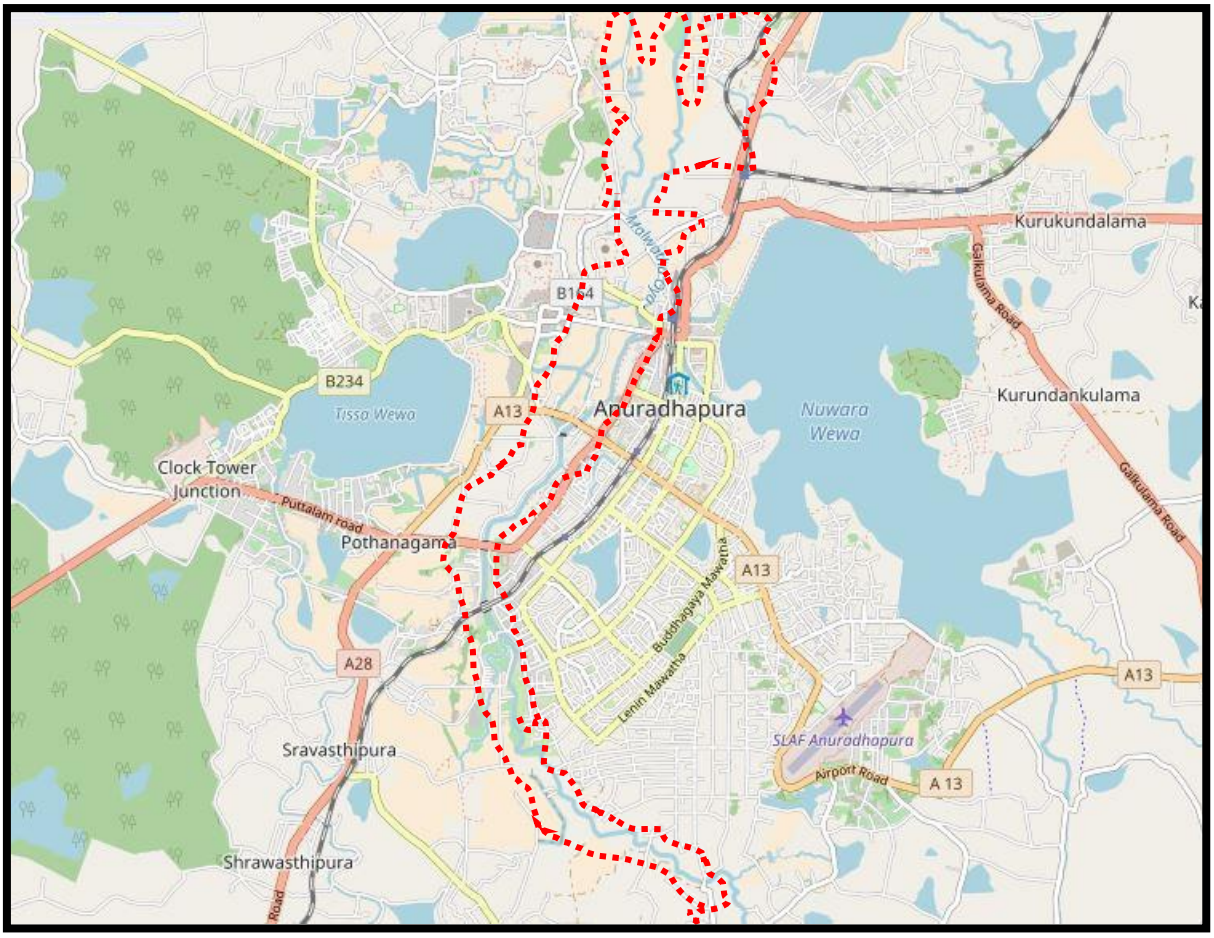
Table 3 Affection to the area due to flood situation

Date	Time Period (Date)	Number of Affected Families	Number of Affected People	Number of Houses	Number of Damaged Houses
2016/05/17	1.5	97	405	01	04
2015/11/17	01	30	123	01	02
2014/05/21	10	1793	6032	33	42
2014/09/01	08	334	1360	21	67
2010/09/29	1.5	07	35	-	02
2007/12/23	06	179	863	08	15
20015/12/23	06	248	703	19	60
2009/12/12	05	01	05	-	-

Source: Disaster Management center - 2018

Below mentioned areas are inundated by regular flood. The inundation of the main roads due to the regular flood is an obstacle for the transportation and in some occasion, flood affects for the railway transportation as well.

Figure 6 The areas inundated by regular flood



Therefore, this development plan is prepared for proper utilization of the above said development potentials and for achieving the prosperous development in the Physical, Economic, Social and Environment sectors by strategically minimizing the effects which obstruct to the development of the city.

Chapter 04

The Planning Framework

Here, vision, vision statement of the development plan, goals and objectives related to the vision are described and also scientific analyses and calculations which were done for achieving these goals and objectives are described in detail and by using the different strategical methods.

4.1 The Vision

“The Buddhist Heritages Capital of the World”

4.2 Vision Statement

“A convenient and magnificent city featuring valued characteristics inherited by Buddhist Culture & Heritage serving as a regional facilitator strengthened with a prosperous economy.”

Here, the vision**, “The Buddhist Heritages Capital of the World”** was prepared for the Anuradhapura urban area and meaning of the vision is to make the wonderful and comfortable city, filled with the characteristics of Buddhist heritage and Buddhist culture, equaled to a capital city and become that the provision of the service is the main element of the economy.

4.3 Goals

After setting the above vision for the city of Anuradhapura, three main goals were identified to achieve the vision. Those can be outlined as follows,

4.3.1 Goal One

To become a Memorable, precious Buddhist Cultural & Heritage City

This simply intends that to make a memorable city. Furthermore, this intends that a city which someone suddenly can memorize about the culture and Buddhist heritages, when he heard about the word of Anuradhapura city and also as city that someone can see the attractive Buddhist heritages at the entrance of the city as well as within the city.

4.3.2 Goal Two

To make comfort & Safe City for residencies & immigrant

This intends that the city makes as a more comfortable city for the local and foreign tourists as well as city residencies which was secured from the natural disasters under the improvement of the physical, social, economic and environment aspects

4.3.3 Goal Three

To Convert Historical & Cultural Values as a main income Source of the City Economy

This intends that the factors which make intensive the invincibility of the Anuradhapura city and values of the hereditary and degenerating agriculture-based irrigation civilization which was a main element of the culture since the period called "Anuradhagama" as well as elements of the Buddhist culture are involved in the urban economy by managing and polishing them properly.

4.4 Objectives

4.4.1 Objectives for the First Goal

01. In next 10 years period, to create the atmosphere to establish the required facilities in 13 places that isolated and exist as Buddhist heritages in the scared city with the purpose of opening them to the public in future.

02. To plan the scared city in the way of providing the required services and the facilities for the 150 000 of foreign tourists who are expected to bring to the Anuradhapura city by Sri Lanka Tourist Development Authority by 2030.

03. In next 10 years, prepare the city in order to maintain and develop the five View corridors to create the space for visiting city's Buddhist heritages within the city as well as out of the city.

04. Prepare the scared city based on the Atamasthana in order to provide the services and manage the 6 percent of annual growth of arrival of local pilgrims to the scared city.

4.4.2 Objectives for the Second Goal

01. To prepare the city in order to keep the minimum traveling speed of vehicles as 25 kilometers per hour within the urban area by the 2030.

02. To implement the required development activities to convert the existing connectivity among the main transport centers in to the walking distances during next 10 years' period.

03. To prepare the urban area in order to equal the feeling temperature in urban area to the existing environmental temperature by the 2030.

04. To execute the required actions to mark the reserves' boundaries of the all environment sensitive areas and the archaeological sites existing in urban area in next 10 years' period.

05. To execute the required actions to establish the rain water sewerage system covering the enter urban area of Anuradhapura by the 2030.

4.4.3 Objective for the Third Goal

01. Prepare the land use pattern in order to double the room amount of hotels in urban area and registered under the Sri Lanka Tourist Development Authority by next 10 years of period compared to the 2016.

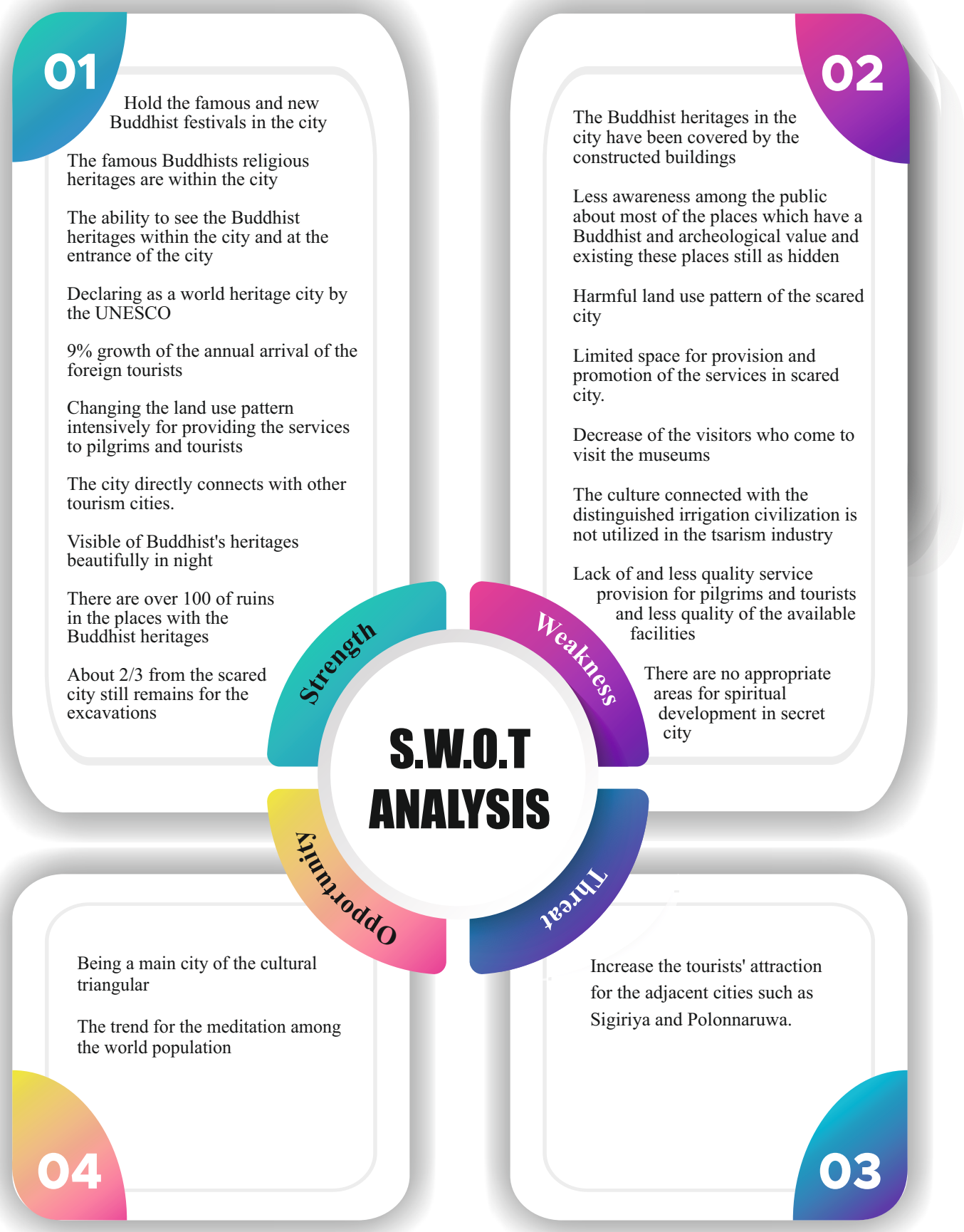
Chapter 05

SWOT Analysis

It is important to identify the targeted information and data of the development trends by doing the appropriate analysis about the strengthens, opportunities, weakness and threats existing in the area in preparing the development plan for the Anuradhapura municipal council area and reaching vision of development plan.

5.1 Goal One – SWOT Analysis

To become a Memorable, precious Buddhist Cultural & Heritage City

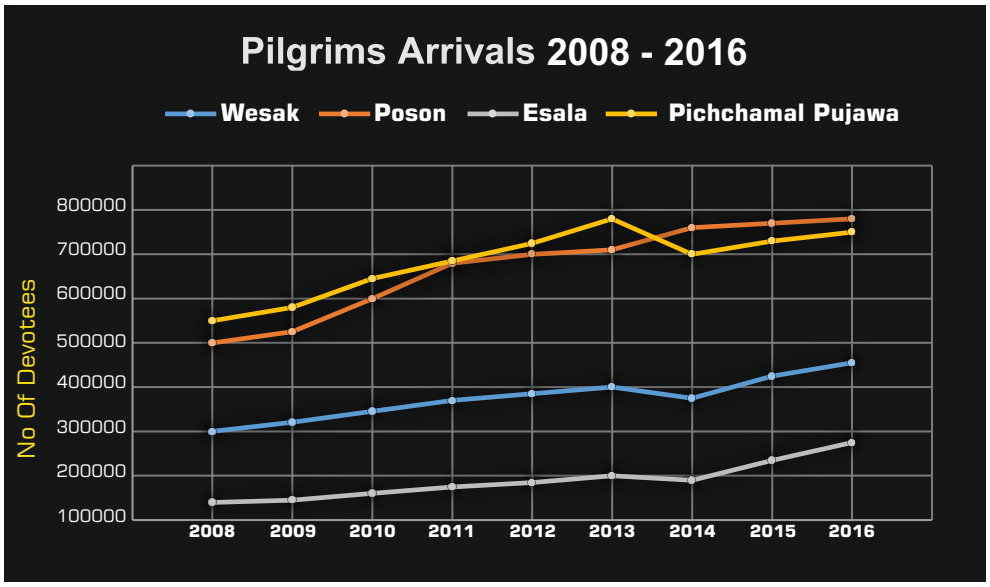


5.1.1 strength

Hold the famous and new Buddhist festivals in the city

Deferent massiveness and festivals are held based on the city of Anuradhapura which has the huge importance and value of the Buddhist culture. Many people participate in these festivals annually. Wesak festival, Poson festival, Asala festival, the processionand PichchamalPujawa are the main festivals among these and the visitors which come annually for theses festival has increased up to 50 percent in the last 8 years.

Chart 4 Pilgrims who come for Buddhist festivals annually 2008-2016



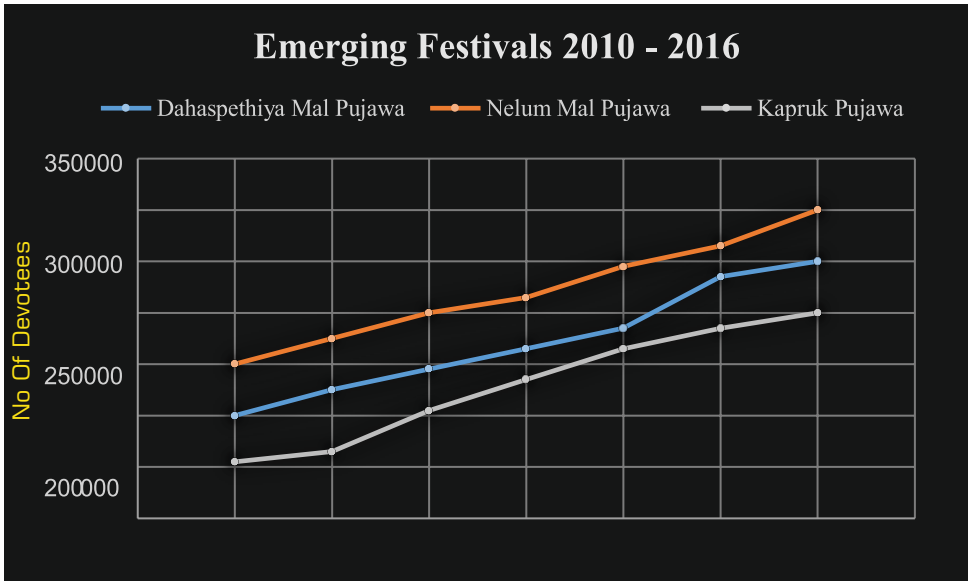
Source: Archaeological Department - 2018

When attention was paid for the growth of the tourists from 2008 to 2016 it is clear that there is a 10% growth of the tourists who come to visit the Wesak festival in each year comparatively to the previous year. Annual growths of above said festivals are 12%, 12% and 6.5% respectively. It is a factor to prove the importance and value of the Buddhist heritages of Anuradhapura area.

In addition to this, at the present, new religious festivals and massiveness have borne based on the scared city of Anuradhapura. When attention was paid for the period from 2010 to 2016,

many massiveness and festivals such as Dahaspethiya mal pujawa, Nelum mal pujawa, Kapruk puja, Ausada puja have borne and it can be seen that there is a high growth among the pilgrims who come for these festivals from the all areas of Sri Lanka.

Chart 5 The participation in present massiveness



Here, it can be seen that there is about 11% Annual growth for the Daspethiya Mal Pujawa and About 15 % Annual growth for the Nelum Mal Pujawa.

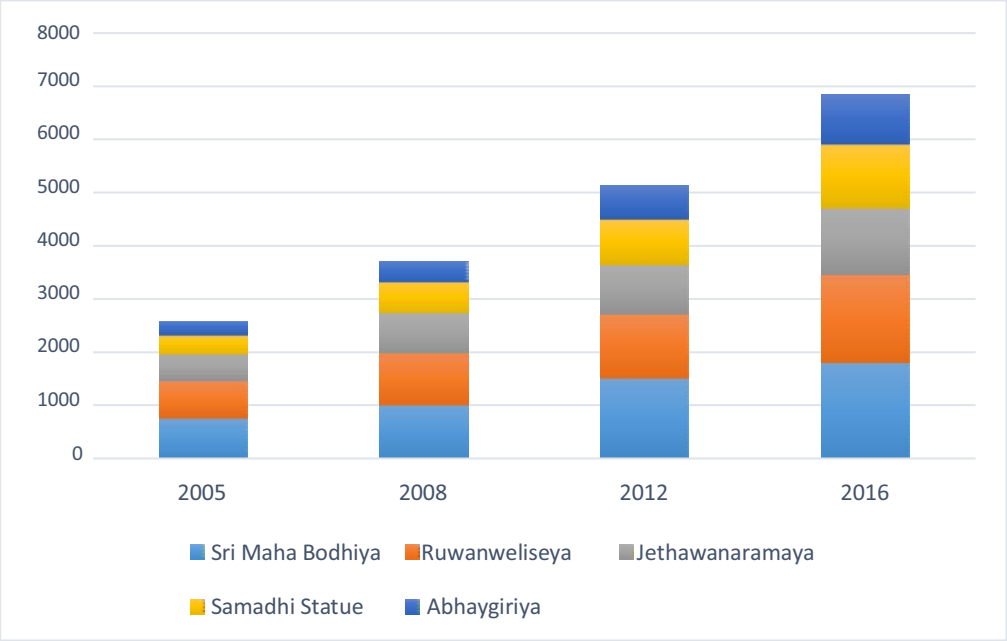
Source: Archaeological Department - 2018

According to this, it is clear that there is a gradual growth among the visitors who come for these Buddhists religious festivals and massiveness conducting based on the city of Anuradhapura. This growth has become an assistance to promote the importance of the Buddhists religious of the city of Anuradhapura among the locals and foreign and this situation contributes directly or indirectly for the social and economic improvement of the area.

The famous Buddhists religious heritages are within the city

The great and wonderful holy places belong to the Buddhist heritages such as Sri Maha Bodiya, Ruwanwalisaya, Jethawanaramaya, Samadi Statue, Abayagiriya are situated as the main feature to make as an attractive city with Buddhist heritage which is a main objective of the development plan prepared for the period of 2021 to 2030. When the arrival of the tourist that occur since several years is studied, it is indicated that there is a gradual growth.

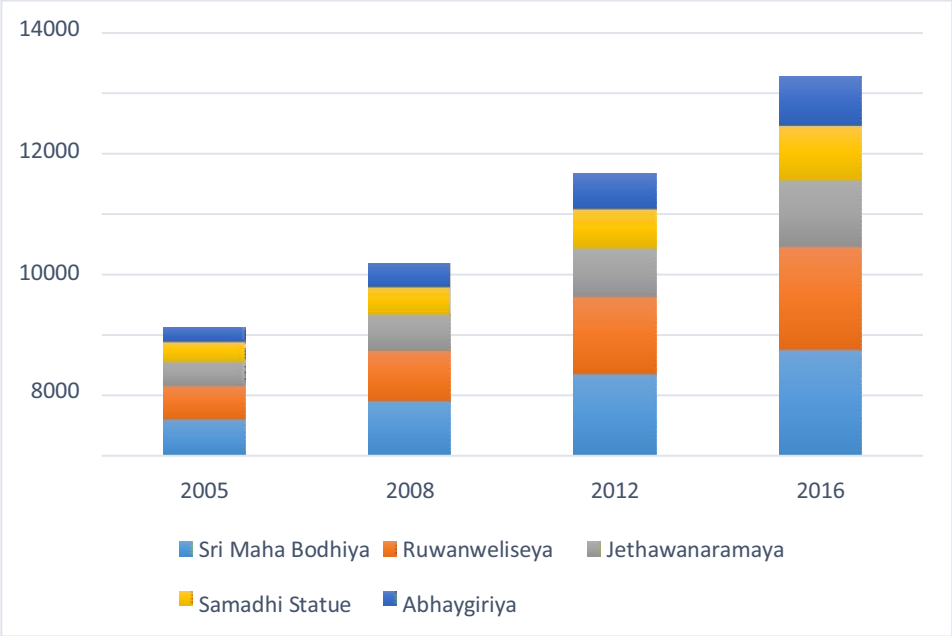
Chart 6 Tourists and pilgrim's arrival of week Days 2005-2016



Source: Archaeological Department - 2018

The per day population who visit the above said massiveness at the weekends are as follows,

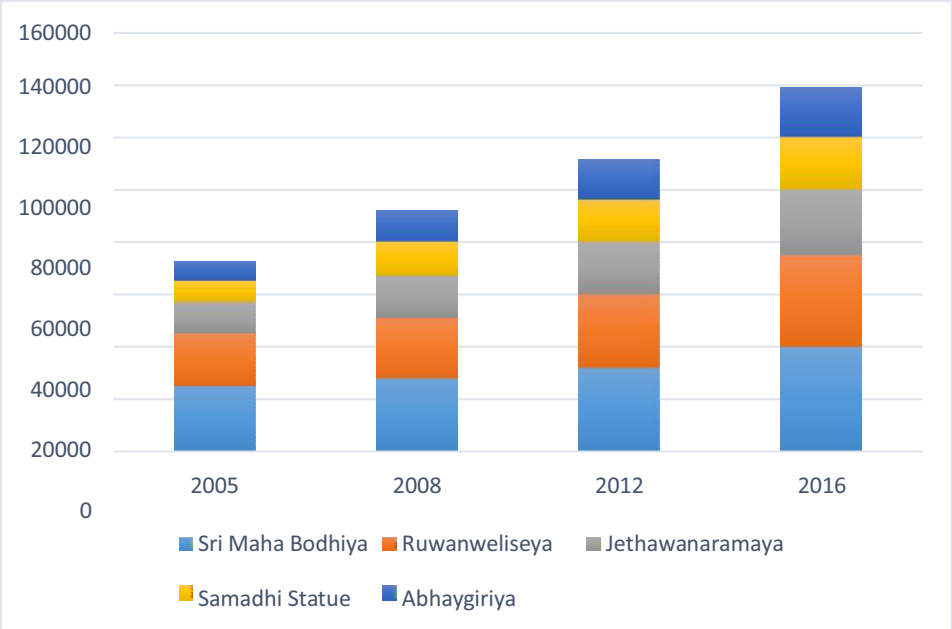
Chart 7 Tourists and pilgrim's arrival of weekends 2005-2016



Source: Archaeological Department - 2018

The population who come in the full Moon Poya day to the above-mentioned places are as follows.

Chart 8 Tourists and pilgrim's arrival of Poya Days 2005-2016



Source: Archaeological Department – 2018

This statistic analysis indicates that the population who came to visit these places from different areas from 2005 to 2016 has gradually grown. As a percentage, it is about 40 %.

The above chart shows and explains the reputation for the valuable Buddhist places belongs to the Anuradhapura city and that the population who comes for visiting these places have gradually grown. This situation is one of strong factors to reach the goal of making the Anuradhapura city as a famous city for the Buddhist heritages.

The ability to see the Buddhist heritages within the city and at the entrance of the city

The ability to proudly see the Buddhist heritages at the entrance of the city as well as within the city has been a reason to create the pleasant thinking in the comers to the city. By this way, as the ability to see the Buddhist heritages at the special different places, the person is able to realize the value of the city and the historical Buddhist heritages of the city suddenly when he enters to the city as well as stay in and travel across the city. And also, based on this scenery, any person of the world can memorize that he is in or enter to the city which is one of richest cities from the grate Buddhists heritages. This path of the visibility can be identified at the several places in the new town and the surrounding areas.

Figure 8 View from Basawakkulama Tank bund

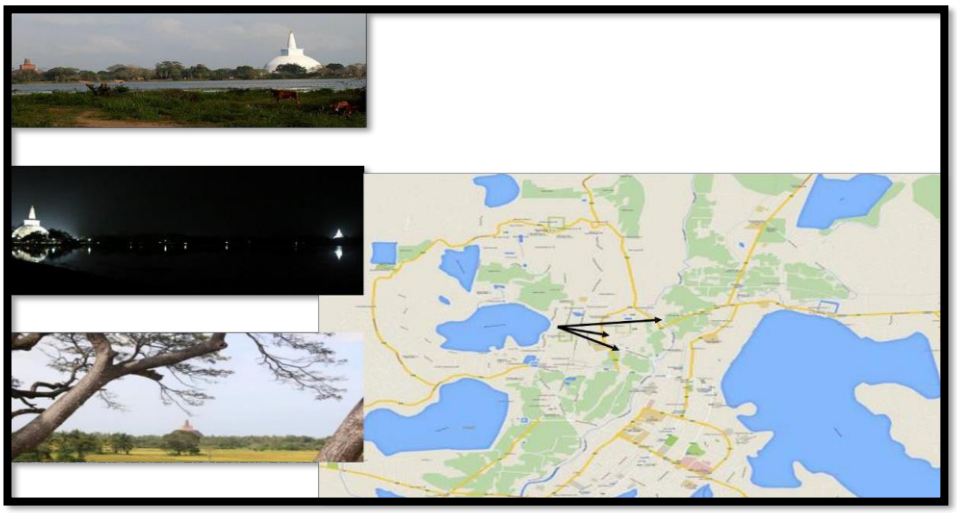


Figure 7 View from Nuwara Wewa bund

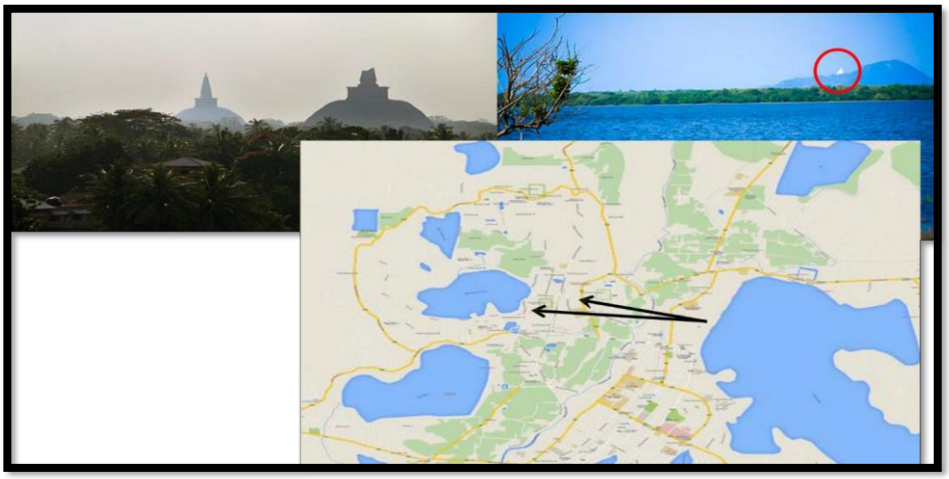


Figure 9 View from Arippu Road



Source: Urban Development Authority - 2018

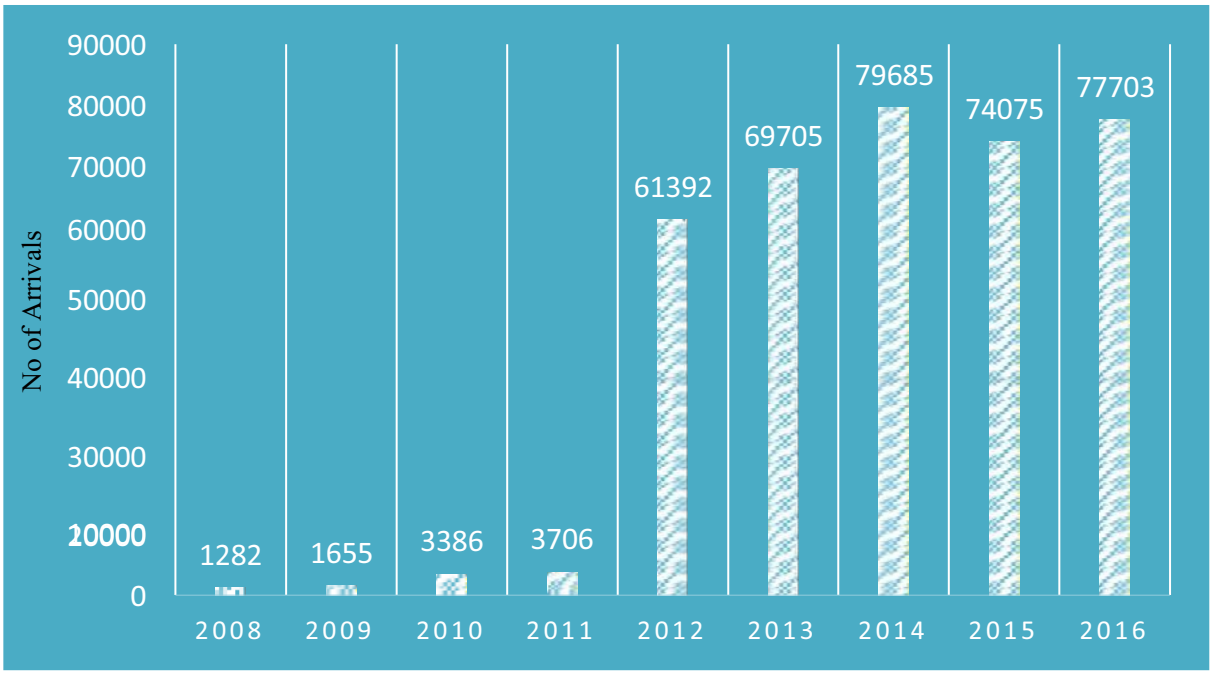
Declaring as a world heritage city by the UNESCO

As the well-planned settlements for the survival of human being with the beginning of the Sinhala Wansakathawa, its pattern of the evolution and greatness of planning are revealed, and the second, third and fourth objectives of the UNISCO have been predicated by estimating and evaluating the values of the historical, cultural and Buddhist heritages, the scared city of Anuradhapura was declared as a world heritage city by the UNESCO in 1982. Attention of the foreign states as a result of this value received for the scared city of the Anuradhapura is an especial factor.

9% growth of the annual arrival of the foreign tourists

After declaration of the Anuradhapura scared city as a world heritage city, the city was very famous among the locals as well as among the foreigners. As a result, the attention of the other countries of the World to the city gradually increased. This trend is realized when studying the amount of arrivals of the foreign tourists to the Anuradhapura city during the period of 2008 to 2016.

Chart 9 Arrival of foreign tourists 2008-2016



Tourism Development Authority Sri Lanka - 2018

Annual growth of the arrival of the foreign tourist during the period of 2008 to 2016 is increased by 9 percent and 77,703 of foreign tourists have arrived to the Anuradhapura city by the 2016. It is recorded that direct income of this is about Rs 350 million.

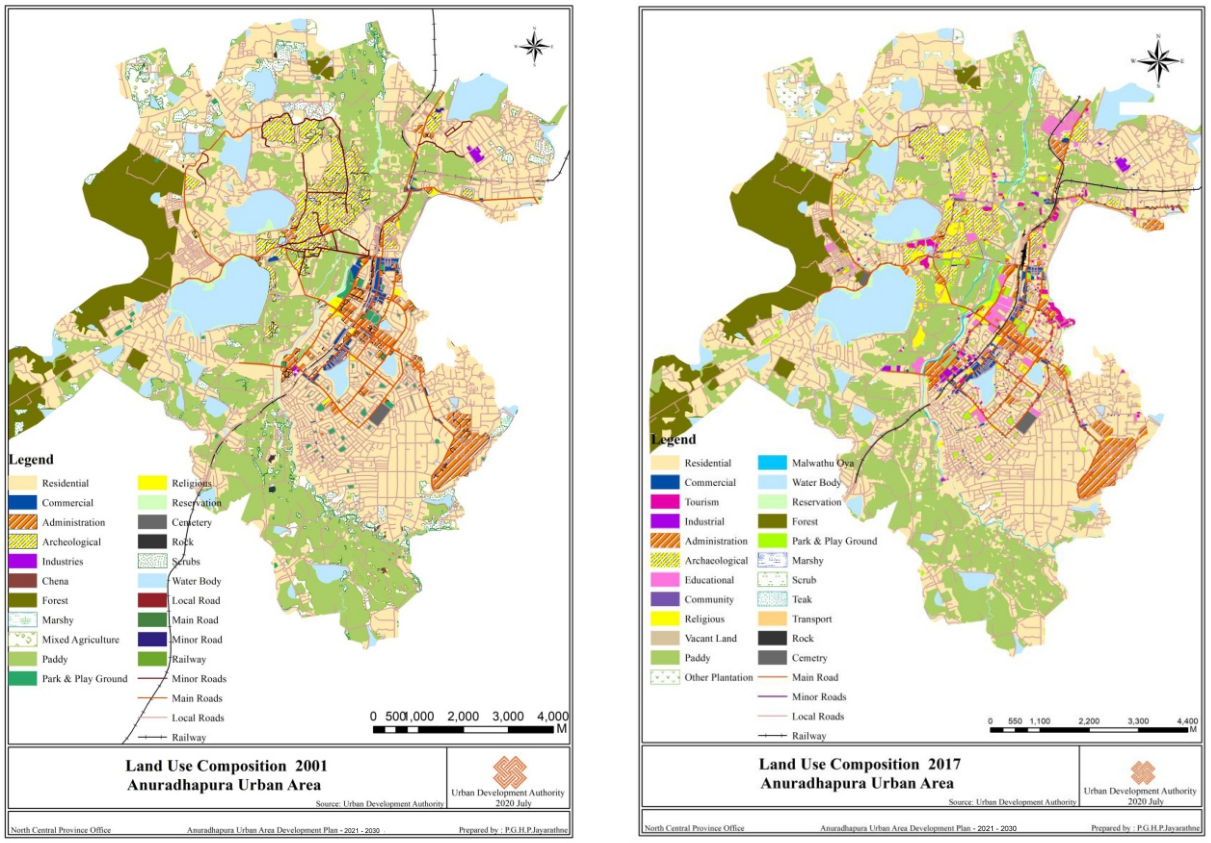
In the year 2016, 77,703 foreigners have arrived to the Anuradhapura city and by consideration this trend of arrival of the foreigners, it is forecasted that about 105,000 of foreigners would arrive to Anuradhapura by 2030. Arrival of about 150,000 of foreigners are expected to Anuradhapura by the Tourist Development Authority and achievement of this target is an objective of this development plan as well.

Above factors further prove the ability to become the city which improved with the Buddhist heritages and cultures and have a more attention not only locally but also internationally. This potential is a foundation to develop the urban areas in physical, economic, social and environmental sectors. Further, the ability to obtain the contribution for the development of the city through the interstate relationships is a huge strengthen.

Changing the land use pattern intensively for providing the services to pilgrims and tourists

Changing and adaptation of the land use pattern in the proper way of providing the required services for the international and local comers to the city is a powerful factor to establish the strong economy in the city of the Anuradhapura.

Figure 10 Changing of Land Use pattern to facilitate the tourists



Source. Urban Development Authority- 2020

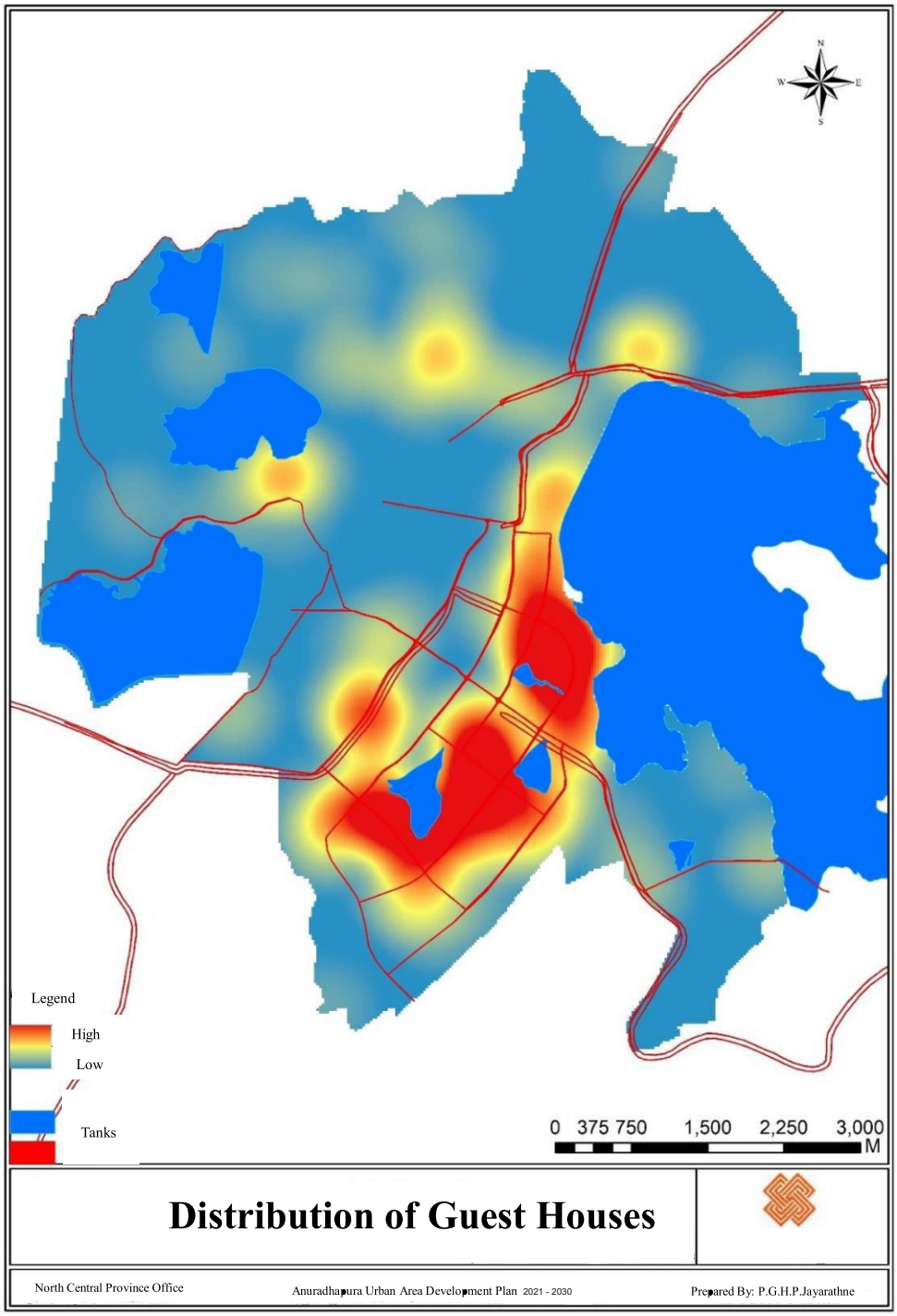
Table 4 Land Use Pattern 2001-2017

Land use	2001 Hec	2001 %	2017 Hec	2017%	Difference
Administrative Activities	*257*	*6.27*	*270*	*6.58*	*+0.31*
Archeological Sites	*689*	*16.80*	*689*	*16.80*	*0*
Commercial Activities	*65*	*1.58*	*100*	*2.44*	*+0.86*
Technical Activities	*54*	*1.32*	*24*	*0.59*	*-0.73*
Park and Ground	*77*	*1.88*	*53*	*1.29*	*-0.59*
Residential	*1869*	*45.56*	*1463*	*35.67*	*-9.89*
Paddy	*694*	*16.92*	*678*	*16.53*	*-0.39*
Environment System	*477*	*11.63*	*475*	*11.58*	*-0.05*
Tourist Activities	*01*	*0.02*	*65*	*1.58*	*+1.56*

Source: Urban Development Authority - 2018

The higher amount from the allocated land for the residential purpose in the land use pattern of the 2001 has converted to the places which provide the services for the tourists in 2017 and this can be highlighted as a special situation. In the period of 2001 to 2017, the residential uses have declined by 9.9 % as a result of increase of the provision of the servicers for tourist, pilgrims against to the increased tourism activities and its uses in the city. Therefore, the present situation can be identified that the most residential land uses have converted into the places which provide the tourism related services. Especially in the 2017, although the growth of commercial uses is 0.86%, the growth of land uses related to the tourism industry has taken higher value of 1.56%. Therefore, it is clear that the land use pattern in the New Town has intensively changed in order to provide the services for the international and local persons who come to the Anuradhapura Municipal Council area.

Figure 11 Distribution of Guest Houses



Source: Urban Development Authority - 2020

The hotels and guest houses which are the main component of the tourist industry are locating with the possibility for better visibility to the culturally and historically important and indigenous places of the Anuradhapura Area

The city directly connects with other tourism cities.

There is an opportunity to promote the existing Buddhists heritages and valuable cultures of the Anuradhapura city among the foreign countries through the most of the tourists because the city of Anuradhapura has properly linked with the other tourism centers of the Sri Lanka through the well-connected road system. The tourism zones which are located from the outside of the city are Vilpaththuwa (the area which is famous for the wild life activities), Kandy (the tourist area which is consist of the tooth relic and beautiful environment), Trincomalee (the tourist area which is consist of the beautiful beach) and Kalipinya (the tourist area which is consist of the beautiful beach).

Figure 12 The tourism zones located from the outside of the city



There is a better opportunityto bring and promote the importance of the Anuradhapura city in the world because there is a direct and well connectivity to the Anuradhapura city from other places of the country as mentioned in above and tourists who come to these places are able to easily arrive to the Anuradhapura city through these well-connected road networks.

Source: Tourist Development Authority Sri Lanka- 2018

There are over 100 of ruins in the places with the Buddhist heritages

Over 100 of ruins connected to the Buddhist heritages exist in and belong to the Anuradhapura city and this situation is very essential factor to make the Anuradhapura city as the capital city of the local and international Buddhist heritages. The places such as Atamasthana, Dalada Maligaya, Kuttampokuna, Ath Pokuna and many other places which are being still excavating have been reason for the unabated attraction among the tourists.

About 2/3 from the scared city still remains for the excavations

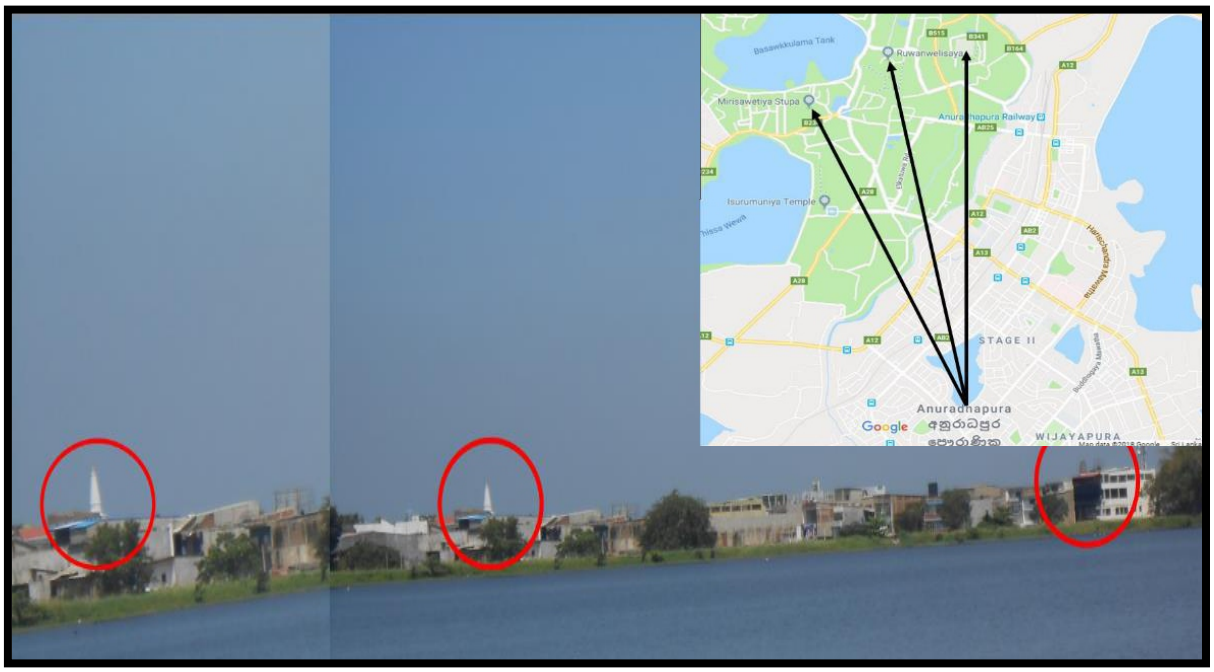
According to the records of the Archaeological Department, it is clear that still there is about 2/3 land area in the scared city of the Anuradhapura for the excavations. This situation also is a main strengthen to develop the Anuradhapura city as the capital city of the world Buddhist heritages. Creating the environment in the city for conducting the local and international researches and the studies about the history of Anuradhapura is a better opportunity to reveal the historical values of the Anuradhapura city to the world.

5.1.2 weaknesses

The Buddhist heritages in the city have been covered by the constructed buildings

This is an obstacle to fulfil the first goal of the development plan. Specially, when it is looked on the bank of the Kumbichchankulama tank, the topes such as Ruwanwalisaya, Mirisawatiya and Jethawanaramaya can be viewed very beautifully but at the present, buildings are being constructed in the way of covering these beautiful sceneries.

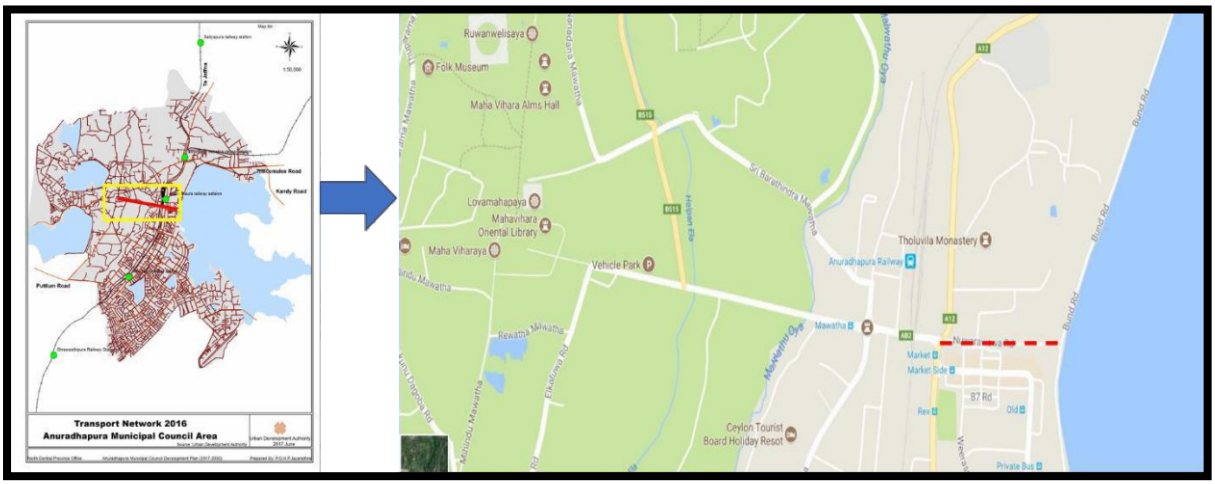
Figure 13 View from Kubichchankulama Tank



Source: Urban Development Authority - 2018

The Ruwanwalisaya, Jethawanaramaya and the MinthalayaChaithya are well presented from the bank of the Nuwara wewa. In particular, the bank of the Nuwarawewa Tank is the only the place that can be seen the MihintaleChaithya from the Anuradhapura town. This scenery and path of this view have been covered by the unauthorized buildings which are being constructed at present. Therefore, by the studying of the changes of the land use pattern, it is realized that the buildings which are being constructed, have been covered the existing Buddhist massiveness.

Figure 14 Construction of Building Covering Buddhist Pagoda



Source: Urban Development Authority – 2018

Figure 15 Walking Path of Buddhist pagoda Disturbed due to Construction of Building



Source: Urban Development Authority - 2018

Figure 16 View of RuwanmeliMahaseya, Jethawanaramaya and Mihinthalaya from Nuwara wewa Bund

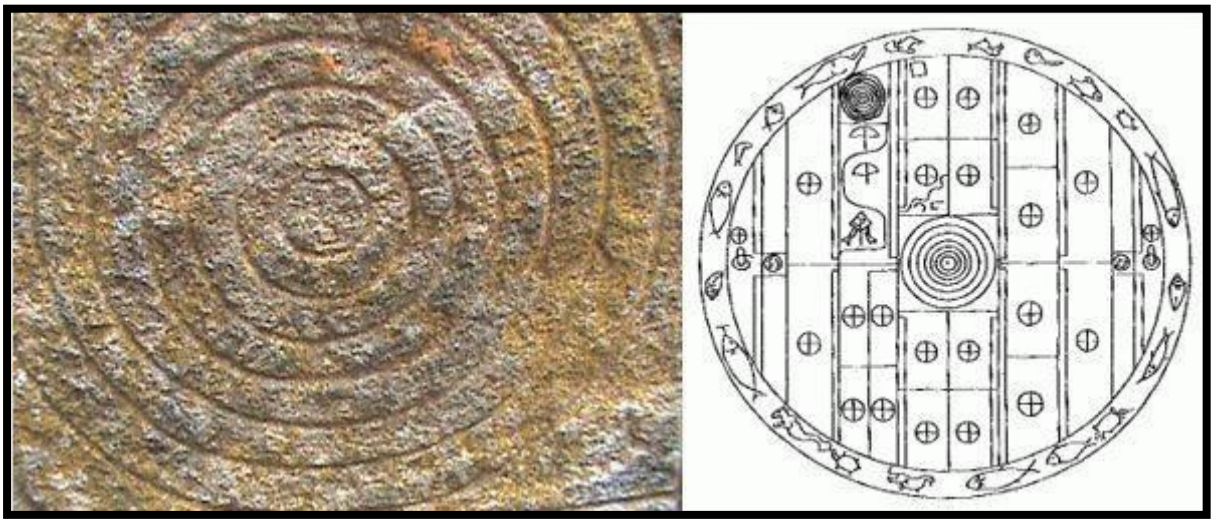


Source: Urban Development Authority - 2018

Less awareness among the public about most of the places which have a Buddhist and archaeological value and existing these places still as hidden.

Undiscovered Buddhist and archaeological sites still exist in the Anuradhapura city and the all museums including Dewana Samadhi Pilimaya, Thunwana Samadhi Pilimaya, RasweemSalawa, RathnaPrasadhaya, Naka Wehera can be highlighted as main undiscovered Buddhist places. The Archaeological Department has revealed that more than 100 places including historical places still exist in the Anuradhapura city hiddenly. The RanmusuUyana which is situated in the scared city can be identifies as a beautiful and historically valuable place and its specified place called ViswaDoratuwa is important as a place which acquired a speciality through the various legends since the history. This place also still exists as a hidden place which was not much aware among the local and foreign tourists, creating the space to see and know about such important and hidden places to the public will be very helpful to promote the Buddhist vales of the city in the world.

Figure 17 Vishwa Doratuwa



Source: Urban Development Authority - 2018

Harmful land use pattern of the scared city

In the Anuradhapura area, more time of the year belongs to the summer period. Therefore, during this period, the temperature of the roads connected with the Buddhist places and archaeological sites is very high and as a result, the persons who use these roads during this period are embarrassed. Therefore, the survey data revealed that arrival and stay of the pilgrims in the scared city is very low during the day time.

Figure 18 Harmful land use pattern of the scared city



Source: Urban Development Authority – 2018

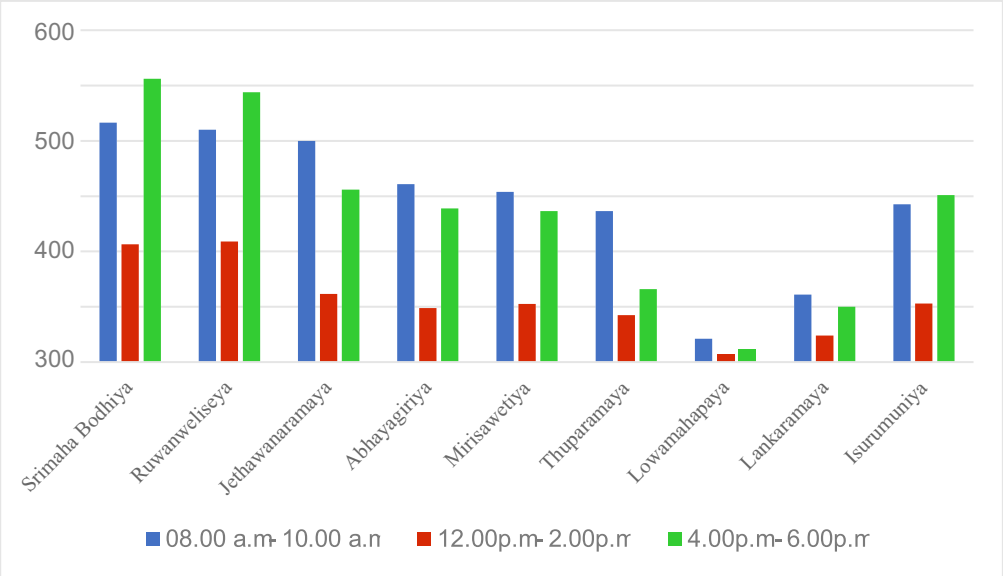
Feeling temperature of the city is higher than the normal temperature from 05 degrees of Celsius. This condition is explained by below table.

Chart 10 Difference of Environmental temperature and Feeling temperature

Environmental Temperature	33^0	35^0	34^0	32^0	31^0	29^0	28^0	27^0
Feeling Temperature	40^0	42^0	41^0	40^0	37^0	35^0	34^0	31^0

Source: https://www.accuweather.com - 2018

Chart 11 Arrivals of pilgrims for holy places of Sacred City



Source: Urban Development Authority - 2018

There is a 65 percent decline of the arrival of pilgrims into the scared city in the day time when comparing it with the arrival of pilgrims in the morning. The congested and limited space for the pilgrims and tourists for visiting and worshiping the scared city of Anuradhapura due to the harmful land use pattern of the scared city is one of weaknesses.

Limited space for provision and promotion of the services in scared city.

20 sq.km belongs to the scared city which is located in the Anuradhapura Municipal Council area. When studying the land use pattern of the scared city, it is clear that it is very difficult to find the developable land areas in the scared city of Anuradhapura.

Chart 12 Land Use Pattern of Sacred City

No	Land Use Pattern	Area (Sq.Km)
01	Tanks and Reservations	4.8
02	Archaeological Area	4.0
03	Paddy	4.5
	Total	13.3

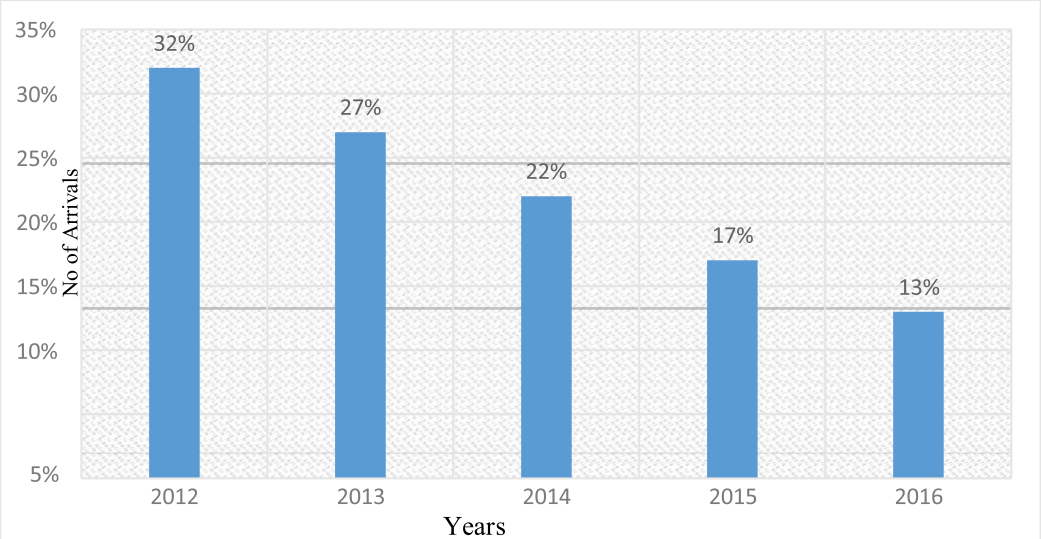
Source: Urban Development Authority - 2018

According to the above table, it is indicated that acquiring the land area for development activities with the purpose of providing the services for the public who comes to the scared city is not easy task. As the recommendations should be obtained from the different institutions in order to implement the development activities even in the existing land extent, this situation also has been an obstacle for the possible development of the scared city of the Anuradhapura.

Decrease of the visitors who come to visit the museums

Below graph explains that the crowd who come to scared city as well as visit the museums is gradually declining due to the difficult environmental conditions.

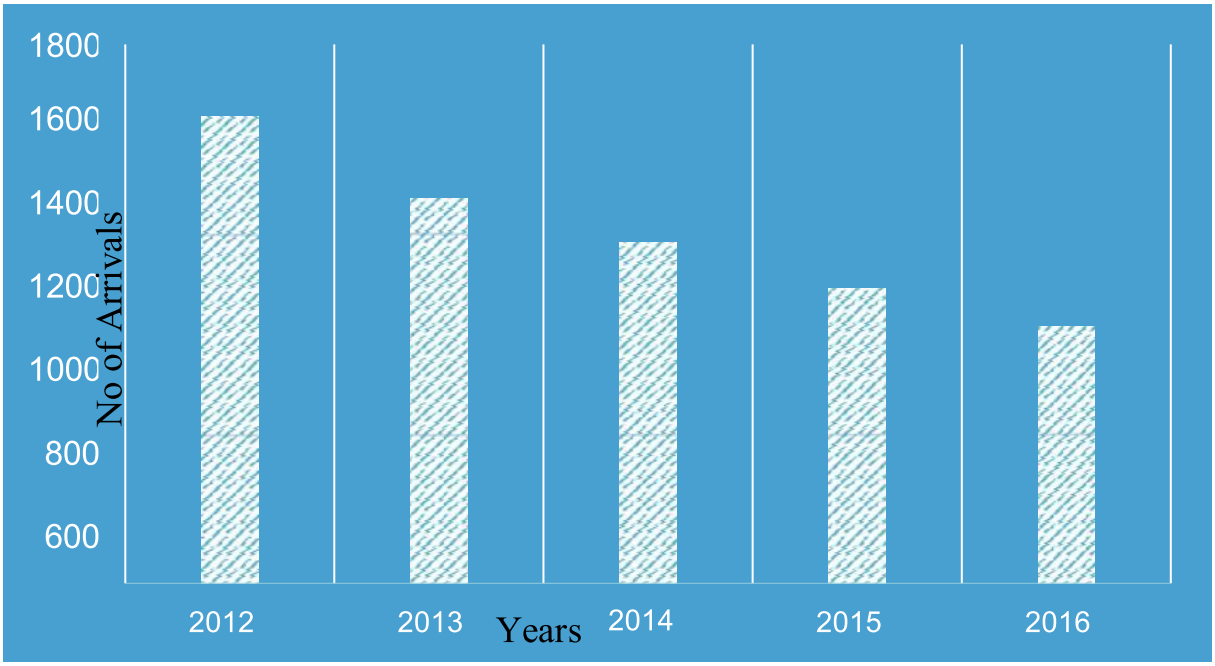
Chart 13 Arrival of foreign tourists to visit the museum



Source: Tourist Development Authority Sri Lanka - 2018

The five main museums such as Jeethawana Museum, Abayagiri Museum, Archaeological Museum, public Museum and Isurumuniya Museum have been established in the sacred city of Anuradhapura but it is difficult to realize the historical value of the Anuradhapura city and the Buddhist heritages by visiting and observing these museums. As a result, the locals and foreigners who come to visit these places are gradually declining. When the period from 2012 to 2016 was comparatively observed, it can be seen a gradual decrease of the visitors who come to visit the museums. As an example, although 77,703 foreigners have arrived into the Anuradhapura city in 2016, only the small group of these foreigners, about 32 percent from the above-mentioned total foreigners who came into the Anuradhapura city in 2016, had visited the museums. Below chart shows the number of foreigners who visited the museums during the period of 2012 to 2016 as a percentage from the total number of foreigners who arrived into the Anuradhapura city in the same period.

Chart 14 foreign visitors who are come to visit museums during the period of 2012 to 2016



Source: Tourist Development Authority Sri Lanka – 2018

Figure 19 Lack of access for tourist to get information from Museum



Source: Urban Development Authority – 2018

Only the antiquities can be seen in these museums and ability to study on these antiquities has bereaved. Some descriptions including the historical information can be seen only in the Sinhala language and therefore, the opportunity for the foreigners to know about that valuable information has got avoid. It is main obstacle to fulfil the above-mentioned goals.

The culture connected with the distinguished irrigation civilization is not utilized in the tourism industry

Anuradhapura is a city based on distinguished irrigation civilization. Though this civilization is wonderful, the awareness among the locals and foreigners is at the minimum level of 01 percent about its engineering technology. It is revealed at the field interviews that, from it, the small group have well realization about the irrigation civilization. The economic system which nourished on the irrigation civilization that can be developed on the Cascade System is a component that is able to get the attention of the tourists.

Lack of and less quality service provision for pilgrims and tourists

The quality of the latrine facilities in scared city is very less and the most of existing latrines have unusably crumbled. In particular, the latrines existing near the places such as Abayagiri Stupa, Samadi Statue, Mirisawetiya Stupa, Twin Ponds are very aged and those are not in the usable condition. The new latrine systems recently constructed near the Isurumuniya and Maura Pirivana are not sufficient to fulfil the requirements of the pilgrims. Further, as there are no required facilities to obtain the pure drinking water for the locals and foreigners who come into the scared city, most of them use to bring the bottled drinking water and this adverse practice has been a reason to create the environmental issues within the area.

5.1.3 Opportunities

Being a main city of the cultural triangle

The cultural triangle has been named based on the cities such as Anuradhapura, Polonnaruwa and Kandy which comes from the Buddhist background. Here, there is a trend that most ofthe local and foreign tourists are attracted by the cities such as Polonnaruwa and Kandy. Basedon this situation, by developing the Anuradhapura as a city which was rich from the Buddhist values and heritages equally to the Kandy and Polonnaruwa cities, there is a possibility to attract the people who regularly visit the above-mentioned cities, Polonnnaruwa and Kandy to the Anuradhapura city. Moreover, this city development and after increased attraction among the people for the Anuradhapura city will bring the opportunities to promote the Buddhist values of the Anuradhapura city in the world and this would directly affect to the economic growth of the city.

The trend for the meditation among the world population

Chart 15 Per Day Population attracted for the meditation at Buddhist Centre in Thailand

Year	No of People
2014	*113*
2015	*383*
2016	*496*

Source: http://www.papaemeditation.org – 2018

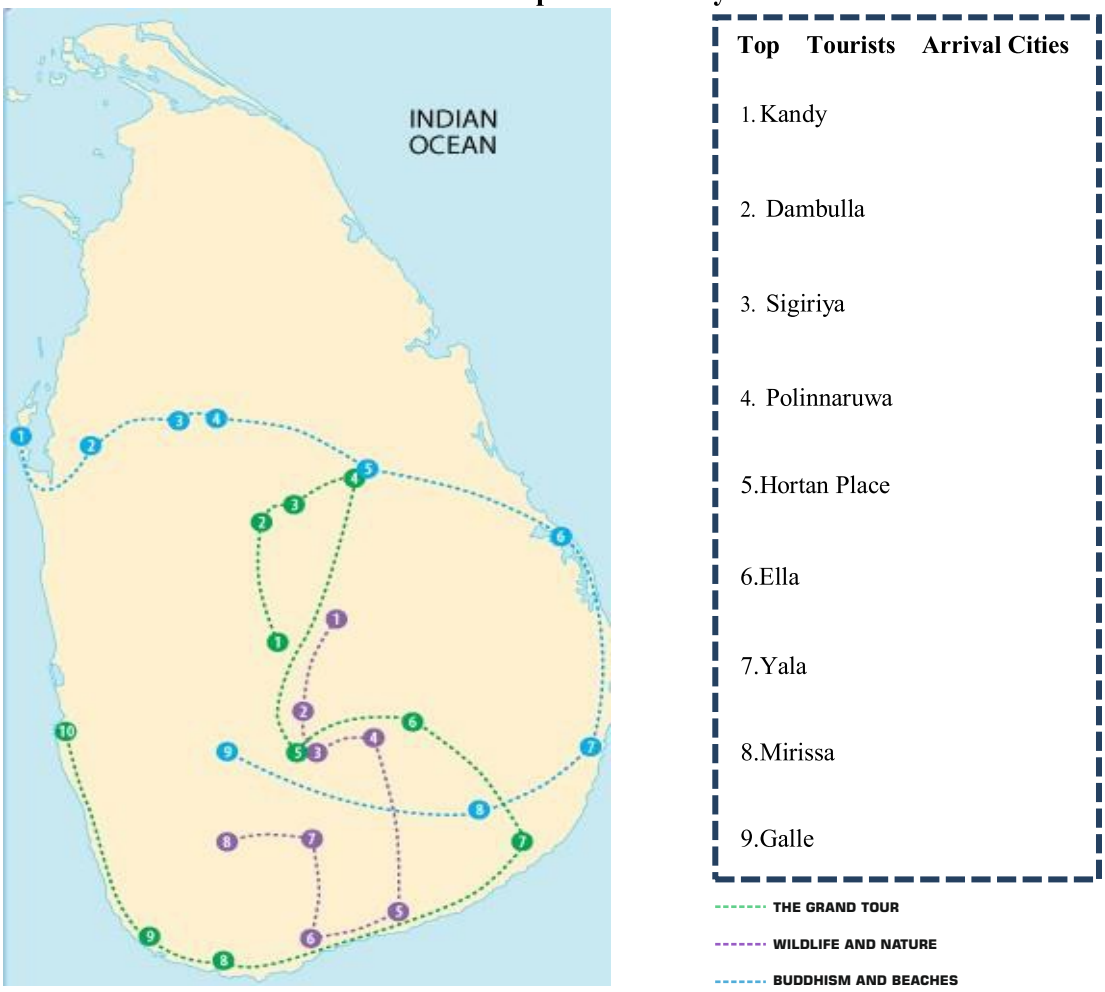
The most of the people of world are suffering from the mental stress because of the disorderly situations of the people with the development. The studies have ensured that as a solution for this, at the present, there is high trend for the meditation among most of the persons of world. Here, the analysis done by the United State has revealed that by the 2012, about 18 million adults of the United State have attracted for the meditation. It is about 8 percent. It has been ensured that about 1.6 percent, that is 927,000 from the child population of the United State has also attracted for the meditation and there is a trend that these persons migrate to the

Buddhist countries for the meditations. Further, they have revealed that among these, the counties such as Thailand, Myanmar, Nepal and India have been the main and priority countries which are migrated by the world population for the meditation. In particular, the Thailand is a main and priority county among other countries which practices the meditation and methods of the meditation. Comparatively to the previous years, it is mentioned that the different people from different areas of the world come individually and as groups to the main place of the Thailand which directs the people for the meditation. Here, among these persons, the countries such as United State, Germany, Prance, Netherland and United Kingdom are in the priority. This will be a good opportunity to fulfil the goal of the vision, "**To become a Memorable, precious Buddhist Cultural & Heritage City "** and "To become an unforgettable city that the Buddhist heritages and cultural values have been secured" because the attention of the locals and the foreigners for the Anuradhapura city can be acquired by creating the environment in the city to fulfil their spiritual needs and through this, the Buddhist values of the city can be popularized among the people of the world.

5.1.4 Threats

Increase the tourists' attraction for the adjacent cities such as Sigiriya and Polonnaruwa.

Chart 16 Tourism Cities where Tourists Spend more Days

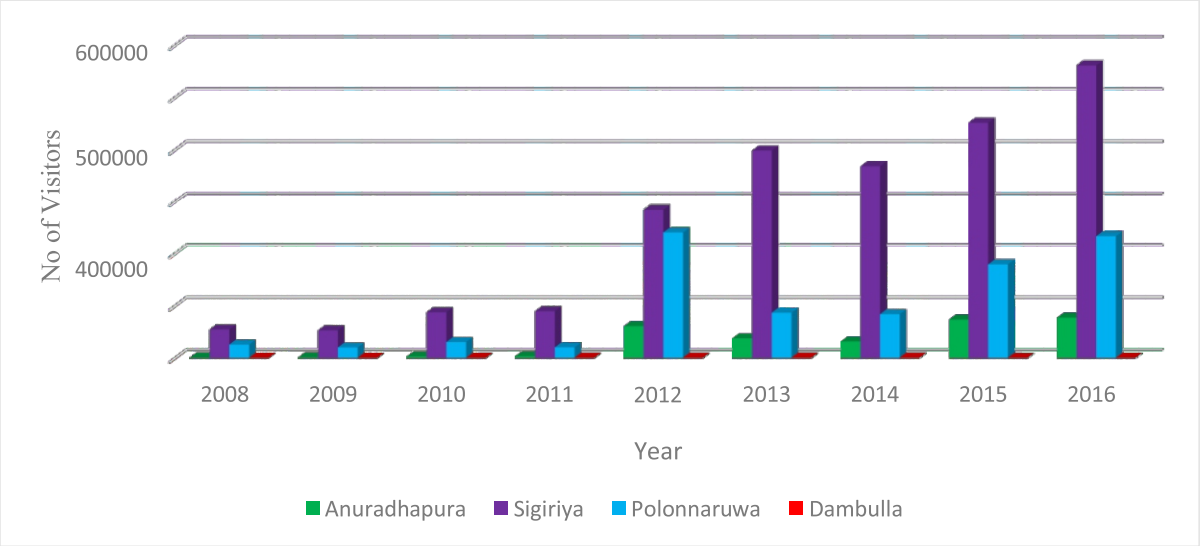


Source: Tourist Development Authority Sri Lanka – 2018

Annual reports of the Tourist Board have mentioned that most of the tourists who come to visit the cultural triangular, are attracted by the cities such as Kandy and Polonnaruwa although the Anuradhapura city is the Buddhist and archaeological city. Therefore, their stay is limited to per day or half day in the Anuradhapura city. This situation occurs because tourists do not have adequate knowledge about the Anuradhapura city and its importance and sometimes, the

guiders provide the wrong guidance, interpretations and explanations to the tourists such as "Anuradhapura city consists of the Buddhist heritages which have only the same characteristics and features". Therefore, there is a huge need of initiating to obtain the required actions in order to prevent the receiving of such wrong information to the tourists, provide the proper and adequate knowledge and realization for the tourists and increase the time period of staying the tourists in the Anuradhapura city. By this initiative, city has a possibility to achieve the economic benefits.

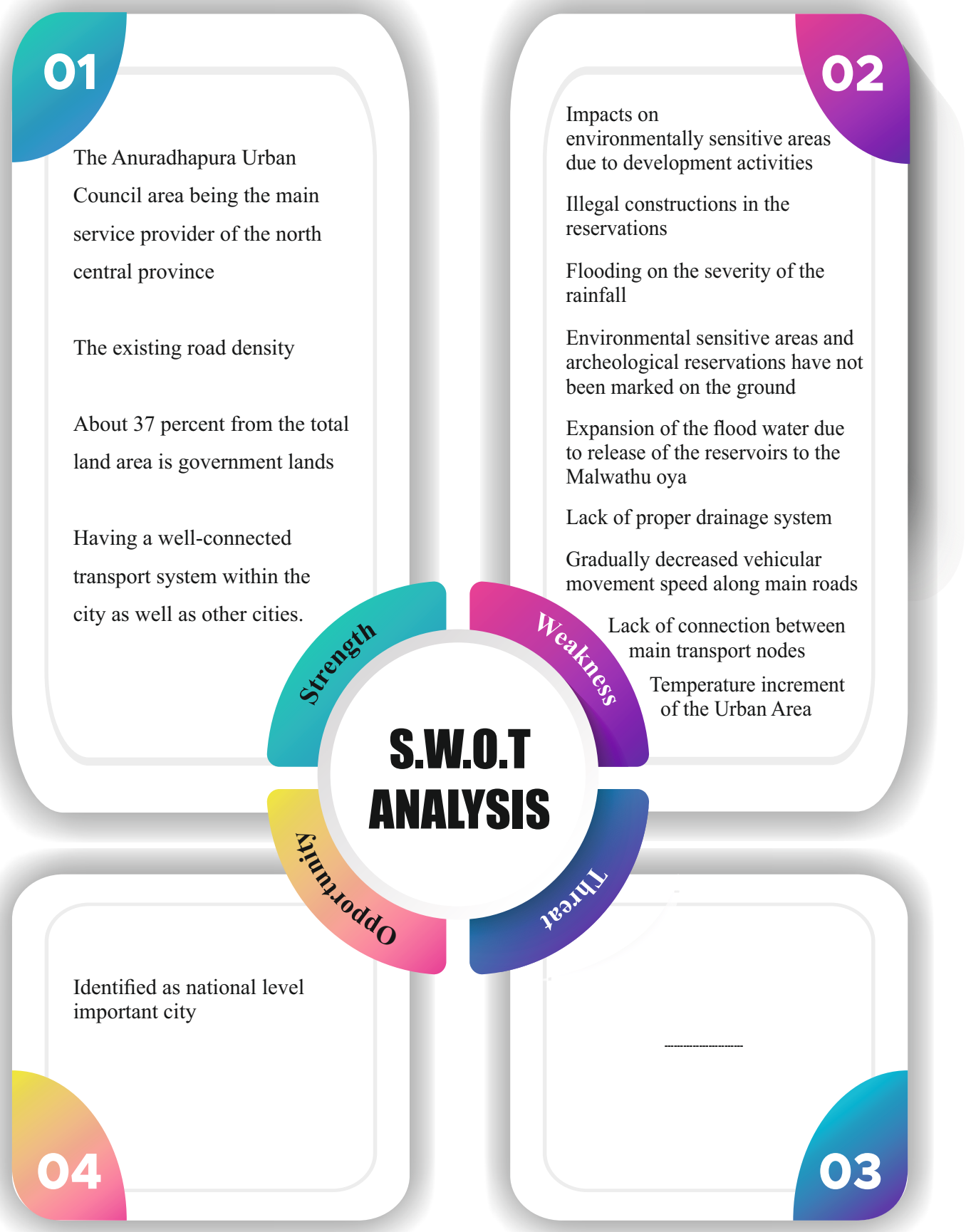
Chart 17 Tourist arrival for Cultural Cities



Source: Tourist Development Authority Sri Lanka – 2018

5.2 Goal Two – SWOT Analysis

To make comfort & Safe City for residencies & immigrant



5.2.1 Strength

The Anuradhapura Urban Council area being the main service provider of the north central province

Figure 20 Location of Services Places



As the main places of providing the services in North Central province are located in the Anuradhapura city, the providing service to the public is at the higher level. The developing the Anuradhapura city as a city combined with the attractive and more convenient environment like a capital city is one of goal of the Urban development plan to be implemented in the period of 2021 to 2030.

Source: Urban Development Authority – 2018

For achieving this goal, that is, for proving the reality of the goal of "to develop the city as a place which provides the more convenient service", following places which provide the services are situated within the city and the per day number of persons who come to these places approximately can be highlighted.

Table 5 Per day average number of persons come to service centers

No	Service Places	Number of Commuters pre Day
	Main Railway Station	500
	Provincial Council	1500
	Anuradhapura Teaching Hospital	35000
	Ayurvedic Hospital	4000
	District Court Complex	300
	District Secretariat Office	1000
	Police Station	300
	Bus Stand	40000
	Rail way Station at New Town	700

Source: Urban Development Authority – 2018

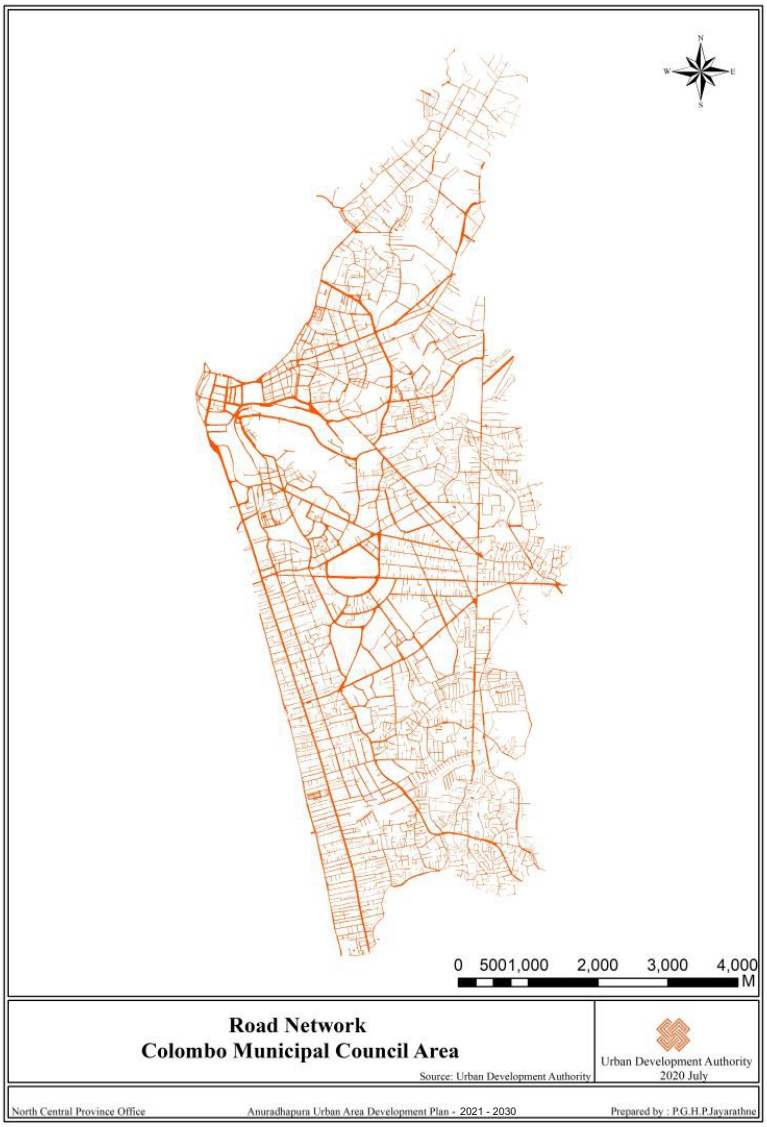
Here, in addition to these places, many other groups of people come to the Anuradhapura city to fulfil their requirements and it is aimed to develop the Anuradhapura city as a place where provide a prompt and very advance service and easily can be obtained the services.

The existing road density

There is a proper and well-connected road network in the Anuradhapura Urban Council Area. The proper and well-connected road network has been a reason to ensure the convenience to travel among the locals as well foreigners who comes to the Anuradhapura city to fulfil their service requirements. This situation can be realized by comparing the road network of the Anuradhapura Urban Council Area with the road networks of the other urban areas of the county. For this, Colombo Municipal Council, Galle Municipal Council and Kandy Municipal Council were selected and when comparatively considering with the road networks of these areas, there is a good road density in the Anuradhapura Urban Council Area.

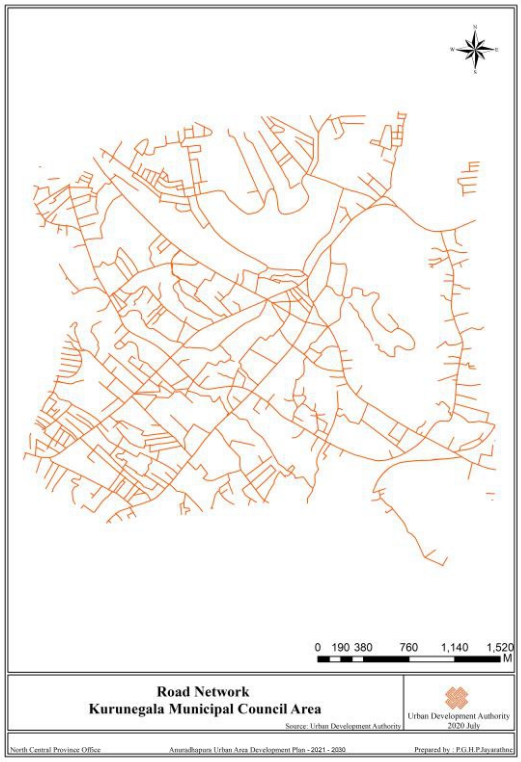
The road density of the Colombo Municipal Council is 27.2 km per square kilometer. The road density of the Galle Municipal Council is 19.3km per square kilometre. The road density of the Kurunagela Municipal Council is 09.3 km per square kilometer. The road density of the Anuradhapura Municipal Council is 16.9 km per square kilometers according to these figures, since there is a very effective road density in the Anuradhapura Municipal Council area as the road density of the other municipal council areas, the people are able to travel within and across the city without any congestion. This is also a development potential of the Anuradhapura city for achieving the goal of "the become the Anuradhapura city which was more convenient and well secured".

Figure 21 The road Network of the Colombo Municipal Council



Source: Urban Development Authority – 2020

Figure 22 The road Network of the Kurunegala Municipal Council



Source: Urban Development Authority – 2020

Figure 23 The road Network of the Anuradhapura Municipal Council



Source: Urban Development Authority – 2020

About 37 % from the total land area is government lands

This can be introduced as a main strengthen of the city to achieve the second goal of the development plan. Reason of it is, that the city has considerable and required lands to provide the required facilities for the persons and comparatively to the increasing population in efficient and more convenient manner. At the present, among the main places which provide the services, the institutes such as Teaching hospital of Anuradhapura, provincial council, District secretariat office and national level school are in the priority. As the demand for the growth of the service of such institutions can increase with the time, it can be considered that the possibility to utilize these government lands to easily accomplish this future demand for the growth of such institutions in order to provide the quality and quick service for the communities of the area is one of main strengths of the area.

Having a well-connected transport system within the city as well as other cities.

Figure 24 The city interconnection with other cities

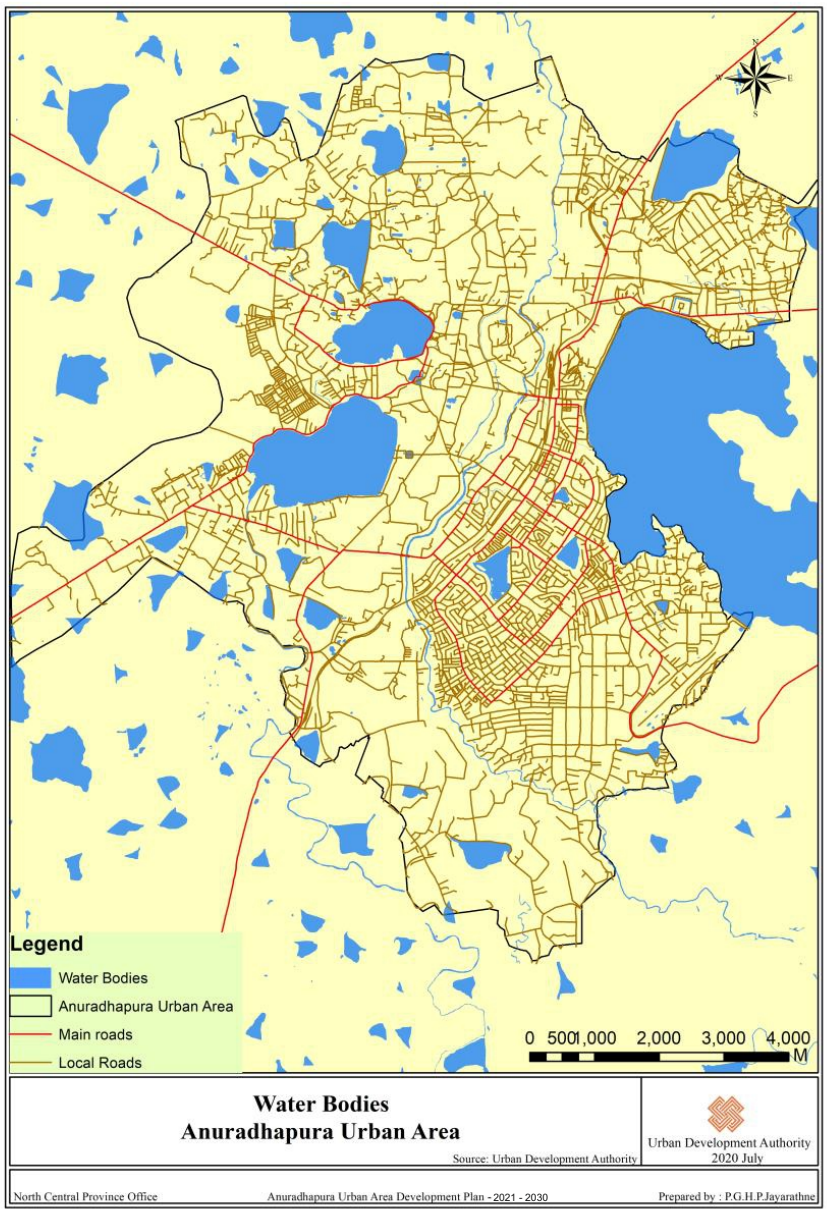


When studying the natural situation of the Anuradhapura city, it is proved that the city having the direct connection with other cities through the well-connected transport system is one of development potentials. The well-connected road system as well as the rail way transport system with other cities have ensured the functionality of the city, and therefore, the ability to quickly arrive to the city and ability to easily return to the origin by utilizing this well- connected transport system after fulfilling the variety of the service requirements of the people is one of strengthens related to the existing well-connected transport system of the city. The cities such as Polonnaruwa, Trincomalee, Vauniya, Mannar, Kurunegala and Kandy are well connected cities with Anuradhapura city.

About 10 % from the total land area is water area

This is also can be identified as a development potential (strengthen) of the Anuradhapura city and also this is a reason for minimizing the negative effects on people due to the high temperature of the city. As a whole, The Anuradhapura city is experiencing dry weather conditions of about nine months of the year. Due to the city's availability of this aquatic region, the city's coolest air city is experiencing low heat demand in the city. Here is how these are located in the city.

Figure 25 Water areas within the Urban Area



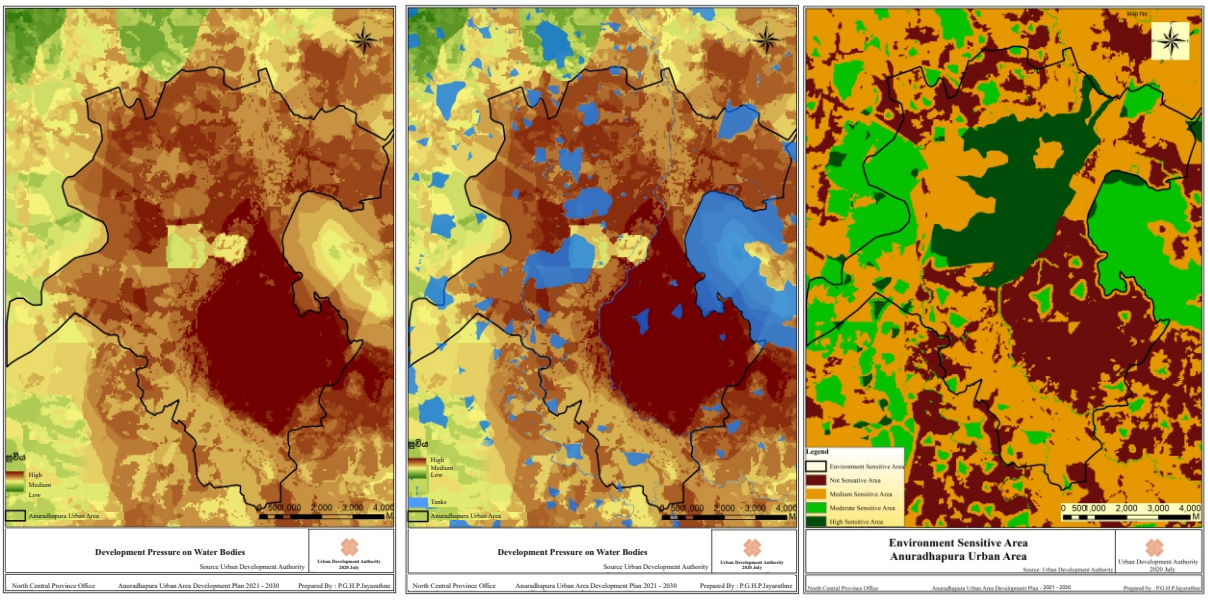
Source: Urban development Authority – 2020

5.2.2 weaknesses

Impacts on environmentally sensitive areas due to development activities

Analyses indicate that the development of the environment is aggravated by environmental impacts. The analysis has shown that tanks such as KumbichchanKulama, Kadapanaha and Ponnaramkulama tanks are severely impacted. Especially these were confirmed by the analysis as an ecologically sensitive area. Analysis confirms that these environmental impacts have a direct and indirect impact on the public due to pressure from development activities.

Figure 26 Effected Environment sensitive areas due to development activities



Source: Urban Development Authority – 2020

Illegal constructions in the reservations

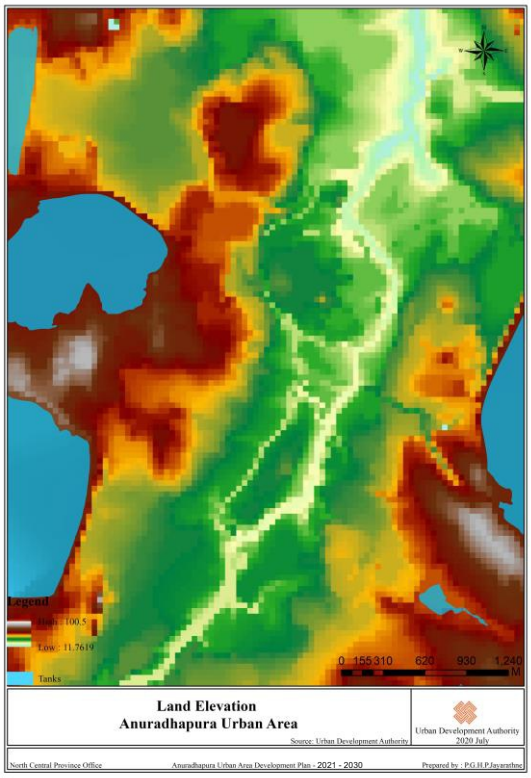
The unauthorized constructions of the Tank Reserve, the MalwathuOya Reserve and the canal reservations have been greatly reduced. In particular, unauthorized constructions have been carried out in areas such as PonnaramkulamaWewa, Kadapanahawewa, Nuwara Wewa and its spill roads and this is a major factor in the flood problems.

Flooding on the severity of the rainfall

It can be identified as the main disadvantage in the area to make the Anuradhapura urban area a comfortable and safe place like a capital city. When the time of activation of monsoon, this flood occurs and the damage from the flooding situation exacerbates the flow of the Malwathu Oya stream across the area. It is also advisable to take a long time away from the flow of water from the large and tanks outside the area as well as from the small tanks that flow out of the Malvathu Oya.

As a matter of fact, the floods are rapidly spreading throughout the area, because the Anuradhapura urban area is much plain. The land area of the land is very low, and the contour lines are less than 0.5 meters. It can be easily understood by looking at the diagram below.

Figure 27 Elevation of ground surface



For this reason, due to floods when the ground is flattened, water rapidly spreads throughout the area. Further, the reasons for this situation such as maintenance of canal drains, drainage systems of the Malwathu Oya and maintenance of the drainage system, and unauthorized constructions can also be exacerbated by this flood situation. This is very clear in the analysis of the impact of the flood state for 2002-2016.

Source: Urban Development Authority – 2020

Table 6 Affected to the urban area due to flood

Date	*Time period (Date)*	*Number of Affected Families*	*Number of affected people*	*No of Houses*	*Number of damaged houses*
2016/05/17	1.5	97	405	01	04
2015/11/17	01	30	123	01	02
2014/05/21	10	1793	6032	33	42
2014/09/01	08	334	1360	21	67
2010/09/29	1.5	07	35	-	02
2007/12/23	06	179	863	08	15
20015/12/23	06	248	703	19	60
2009/12/12	05	01	05	-	-

Source: Disaster Management Centre – 2018

Environmentally sensitive areas and archaeological sites have not been marked on the ground

This is also a major problem in the area. Above said situation affects indirectly and directly for gradual increase of the unauthorized residents in the area and increase the impact of the flood situation occurring on the rainfall intensity. Many unauthorized residents have built their habitats in the reservations. Some persons have done the constructions in order to obstruct the water of the irrigation canals. The main reason for this is that boundaries of reservations in these environment sensitive areas have not been properly mark done the land. Below you can see some of the pictures that confirm these situations.

Figure 30 Unauthorized construction in reservation of Kadapanaha Wewa



Figure 28 Unauthorized construction in spill canal of Nuwara Wewa



Figure 29 Unauthorized construction in reservation MalwathuOya



Intensifying the flood situation due to release the overflowing water of the reservoirs to the Malwathu Oya

Another threat to make the city of Anuradhapura as a safe and comfortable city is that not only adding the spill water of the Nachchaduwa reservoir which is situated away from the Anuradhapura urban area to the Malwathu Oya but also intensify the flood situation in the urban area due to gathering the spill water that release from the reservoirs situated in the city during the rainy season to the city Centre. It can be easily understood through the following data.

Table 7 Water capacity spilled from reservoirs - 2014

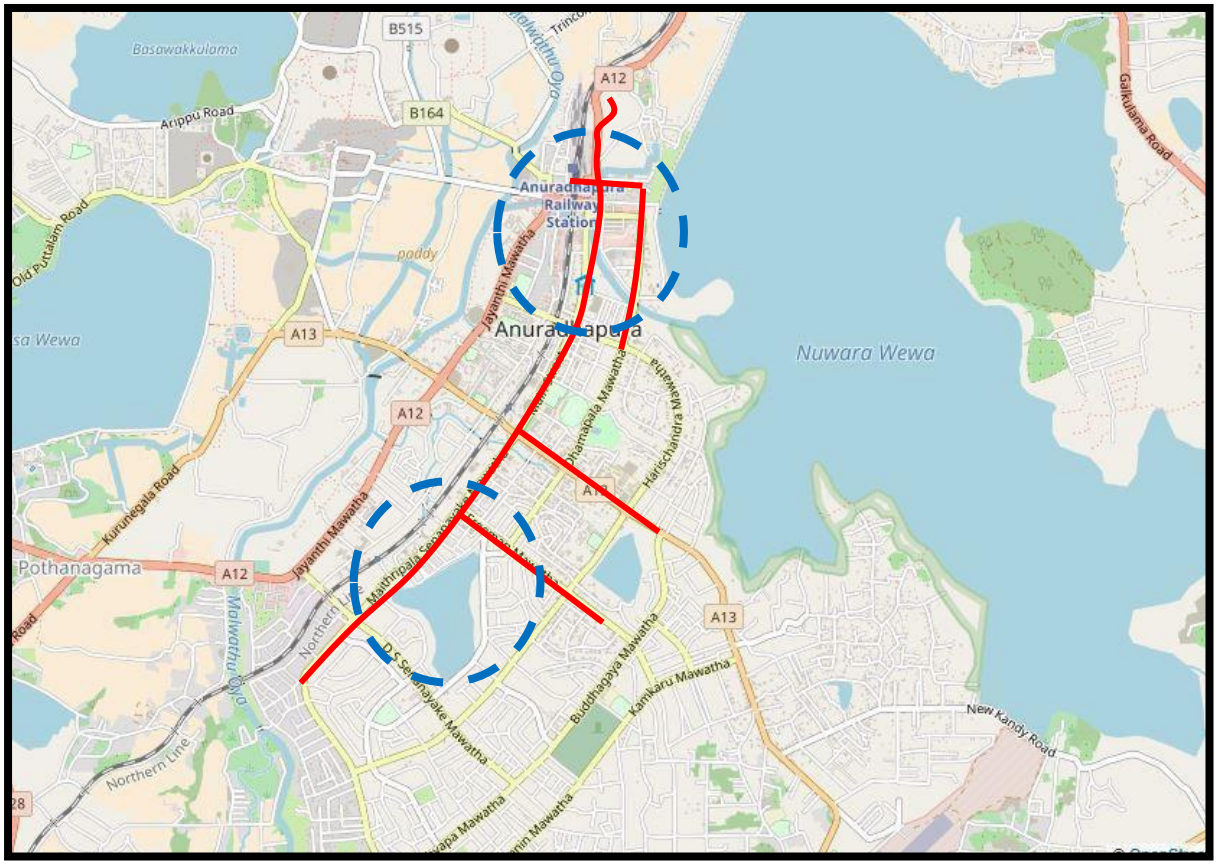
Reservoirs	Capacity (Ft per Acr)	Spilled Capacity (Ft per Acr)
Nachchaduwa Wewa	*45000*	*248520*
Nuwara Wewa	*36000*	*108509*
Abhaya Wewa	*1675*	*22877*
Thisa Wewa	*3500*	*18600*

Source: Disaster Management Centre – 2018

Lack of a proper drainage system

This is another main weakness in urban areas. This can be identified as a direct factor that intensifies the impact of the flood situation which occurs with the activation of the monsoon period. Although there is well-connected and concreted rain water drainage system in the surrounding area of the new bus stand and old bus stand, the impact of the flood is intensify as in many places, the connection of the rain water drainage system has been split. This can be identified as another weakness in the urban area. The below is how the rainwater drainage system is located in the city. The concreted areas have been highlighted in dark red and the areas which do not have well connected rain water drainage system without have been highlighted in blue.

Figure 31 The areas availability of Rain water discharge drainage system



Source: Urban Development Authority – 2018

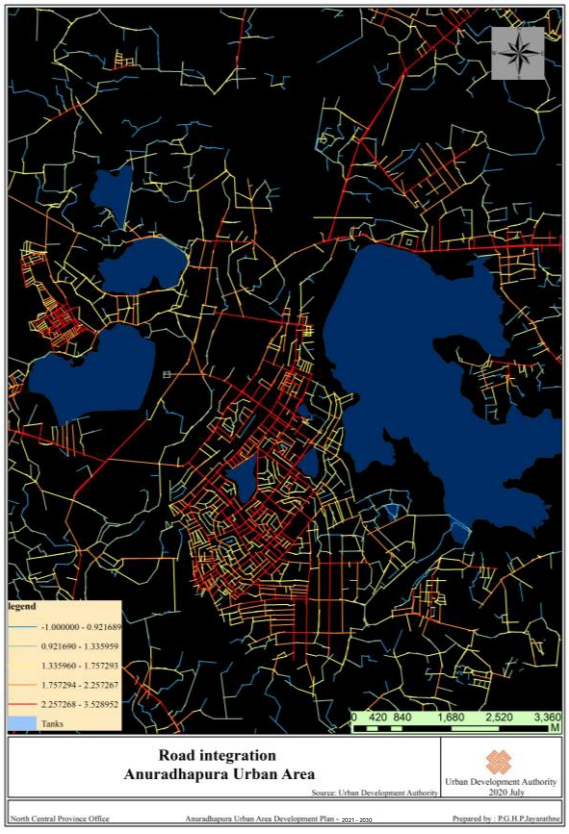
Gradually decreasing the vehicle movement speed along the Main road

A road network with a good interconnection was planned in the first basic configuration plan for the Anuradhapura city. Based on this configuration plan, although there is high road density of 17 square kilometers including 05 A grade roads maintaining by the Road Development Authority, 04 B grade roads controlling by the Provincial Road Development Authority, the road system controlling by the Anuradhapura Municipal Council on the development of major and by-pass road system, when analyzing the data related to the vehicle movement speed on the main roads of several years, it is clear that there is a gradual decrease of the vehicle movement speed on the main roads of urban area. This is confirmed when analyzing the vehicle movement speed at the Bandaranaike Mawatha and Maithripala Senanayake Mawatha. When studying the vehicle movement speed in 2008, 2010, 2012, 2014, and 2017, it is confirmed that there is a decrease of the vehicle movement speed during the peak hours of the Bandaranayaka

Mawatha. The speed limits are 30, 28, 27, 26, 24 kilometers per hour respectively and vehicle movement speed in the Maithipala Senanayake Mawatha has also been reduced gradually in these years. Itis 37, 33, 31, 28, and 25 km per hour respectively.

However, the by-pass roads within the urban limits are very well connected and in good quality. It was ensured the ability for optimum utilization of the development potentials by the Space Syntax analysis conducted based on these well-connected road network.

Figure 32 Integration of road network



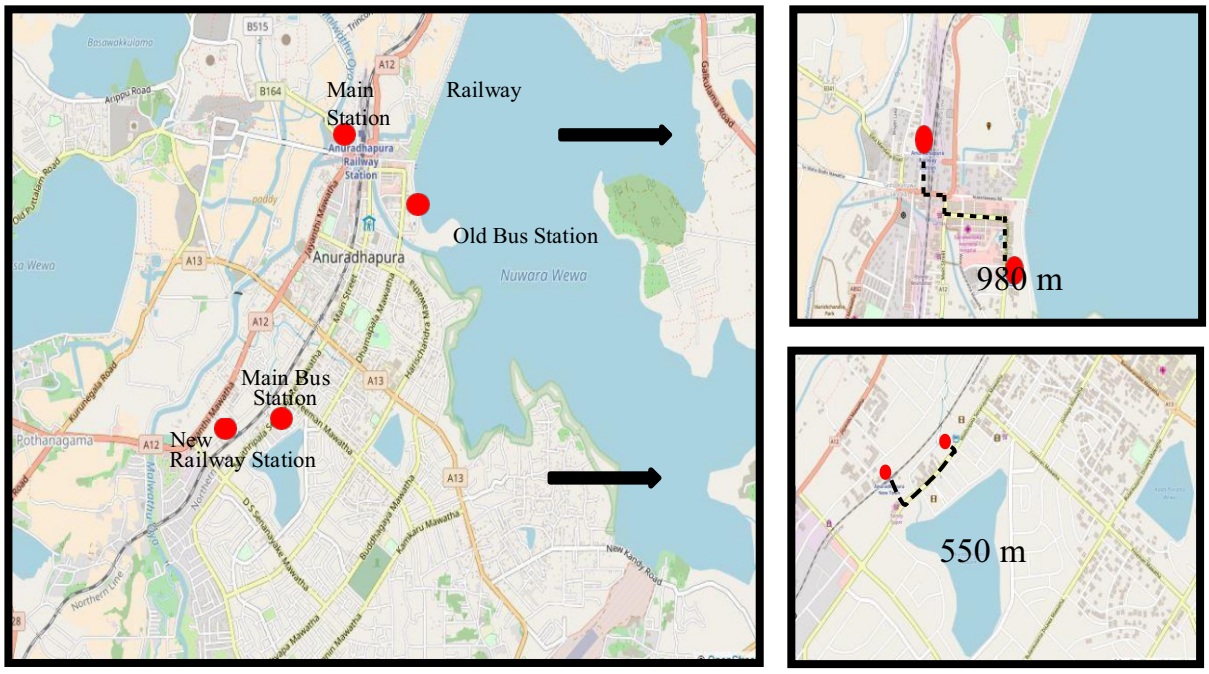
the above analysis indicates that the dark redlines of Figure are the appropriate roads to make a better transport situation. It is confirmed by the Connectivity Analysis conducted to find the level of ability to attract the people into the city through the existing road network, that there is the very strong connection at most of the places where encounter the by-pass roads. But, in spite of this situation, the vehicle movement speed of the main roads in the urban area is gradually decreasing and, now, it is at the level of 25 kilometers per hour. The Analyzes have confirmed that two major factors are affected as reasons for this situation.

Source: Urban Development Authority – 2020

That is, the bad conditions of the by-passes and the ignorance of the outsiders who come to the city about existing by-pass road system within the urban boundary. This existing situation in the urban area is a weakness affecting in making a comfort and the secured city. By avoiding this situation, required actions will be taken to create the better vehicle movement in the urban area through this development plan.

Lack of proper connection among the main transport Centre

Figure 33 Interconnection Between Main Transport nodes



Source: Urban Development Authority – 2018

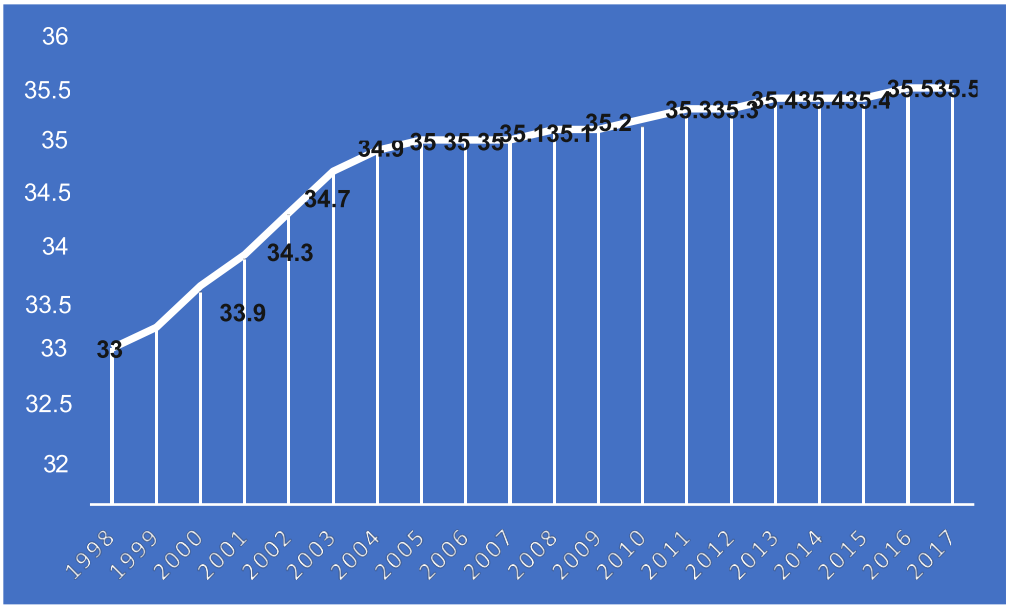
The bus stands of the new town, the bus stands of the old town, the railway station of the new town and main railway station of Anuradhapura can be highlighted as the main transport centers in Anuradhapura urban area. However, the lack of proper connectivity among these transport centers, which is widely used by the public, that is, long distance among those transport centers than the walking distance can be identified as a weakness. Here, there is 550 meters' distance between railway station of new town and bus stand of new town and 980 meters' distance between old bus stand and main railway station. Therefore, as people have to travel such a long distance by foot, it is very inconvenient for them. Daily, about 700 passengers use the railway station of new town while about 500 passengers use the main railway station.

All these passengers have to walk the distance mentioned above. Therefore, these conditions are an obstacle for developing the Anuradhapura urban area as a comfortable place for the people. This development plan will help to provide a comfortable service to the public in avoiding this adverse situation. Below you can see the distances among those transport centers.

Temperature of the urban area

This is also another weakness in the area. In the urban area where dry zone climatic conditions occur, there is a dry zone climate condition in the period of 9 months of the year. The average temperature is between 33 - 35 ° C and the analysis has confirmed that there is a gradual growth of the average temperature.

Chart 18 Incensement of temperature (^{0}C)



Source: Metrology Department – 2018

Increasing the environmental temperature by this way is a global phenomenon. But, the analyses conducted by the international institutions have shown that the feeling temperature in the Anuradhapura urban area is higher than the environmental temperature by 5 ° C. The following is the descriptions of those data.

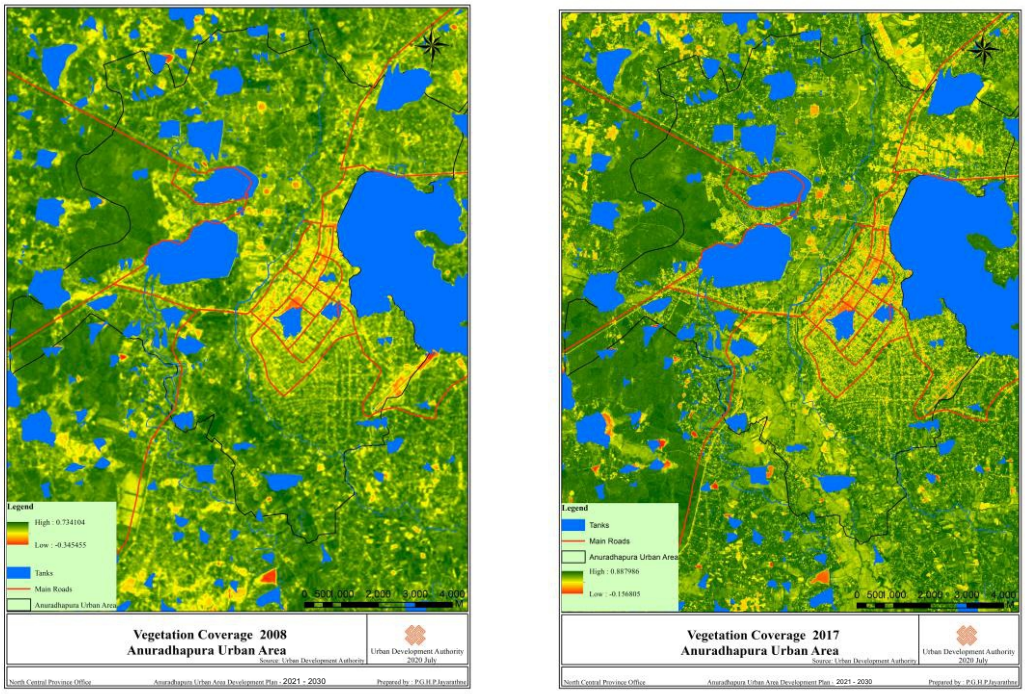
Chart 19 Difference of Environmental temperature and Feeling temperature

Environmental Temperature	33^0	35^0	34^0	32^0	31^0	29^0	28^0	27^0
Feeling Temperature	40^0	42^0	41^0	40^0	37^0	35^0	34^0	31^0

Source: https://www.accuweather.com – 2018

there are several reasons for above situations. The reasons are the gradual decline in the vegetation cover of the area, covering the wind gaps of the city due to the constructions of buildings, the increase of the heat generated by construction materials and other physical features. The main reason among these is the gradual decline in vegetation density in the area. It was clearly proven by the analysis about vegetation density carried out by using the satellite images. Here, the vegetation populations of 2008 and 2017 were analyzed and this analysis revealed that there is a 6% decline of vegetation population in 2017 comparatively to the year 2008. Below pictures show this decline of the vegetation population.

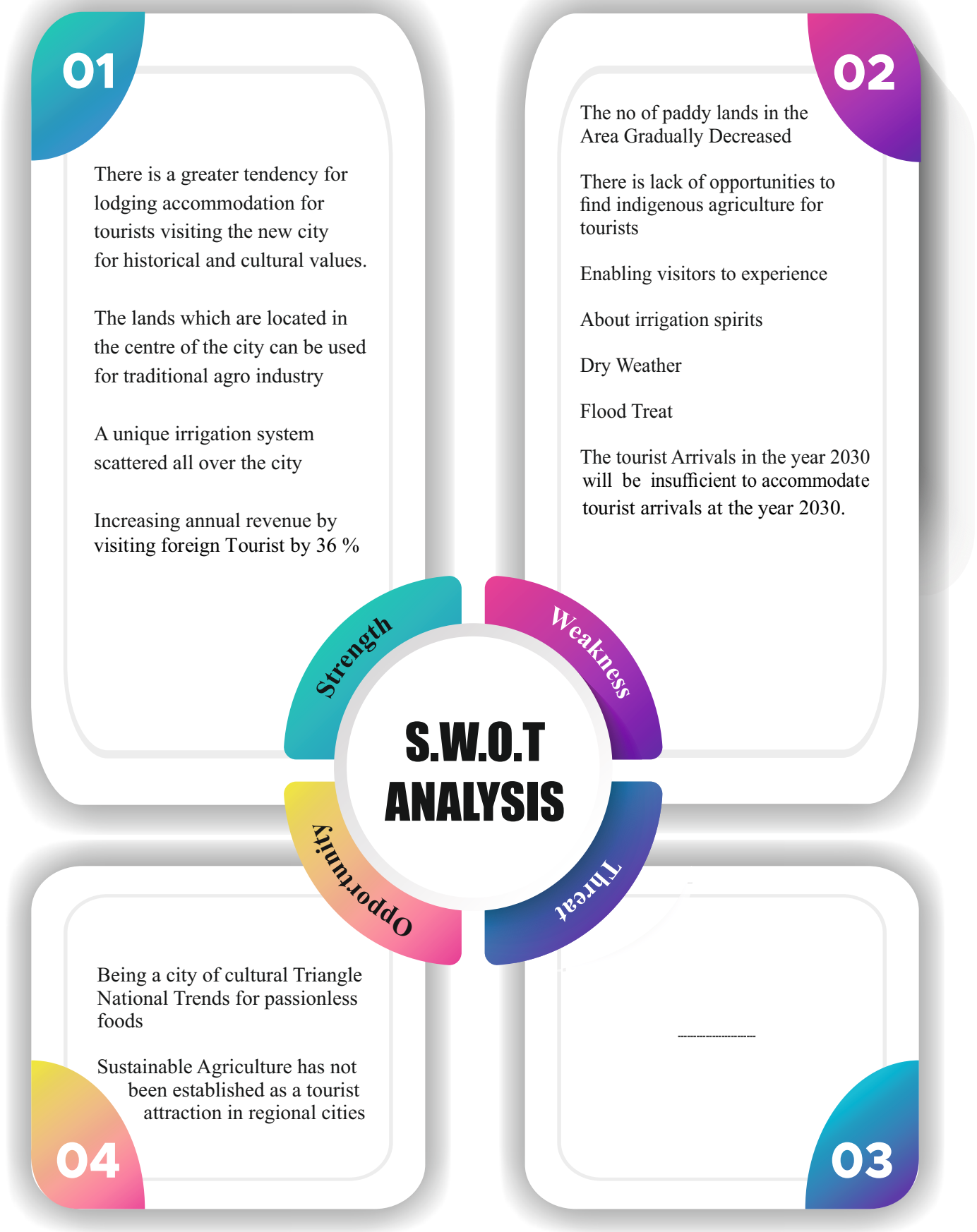
Figure 34 Changing of Vegetation Density 2008 – 2017



Source: Urban Development Authority – 2020

5.3 Goal Three – SWOT Analysis

To Convert Historical & Cultural Values as a main income Source of the City Economy

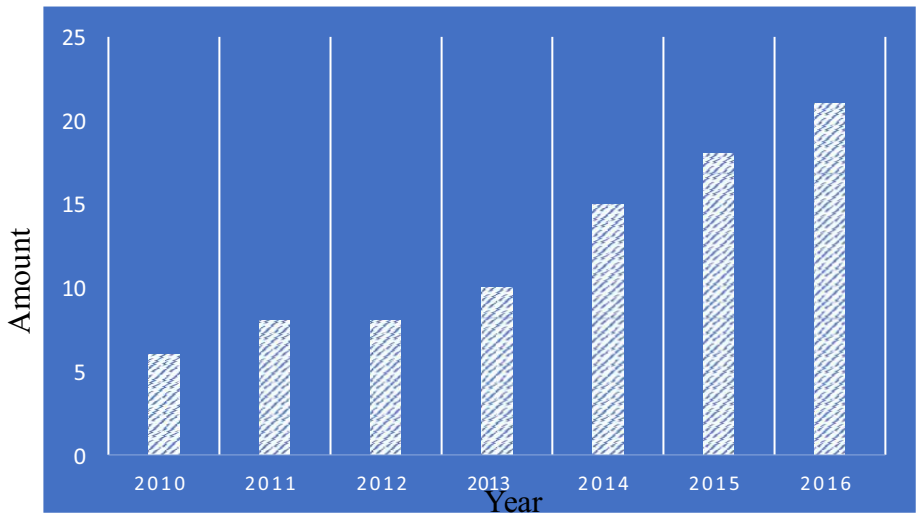


5.3.1 Strength

There is a greater tendency for providing the accommodation for tourists who come to visit the historical and cultural values of the new town.

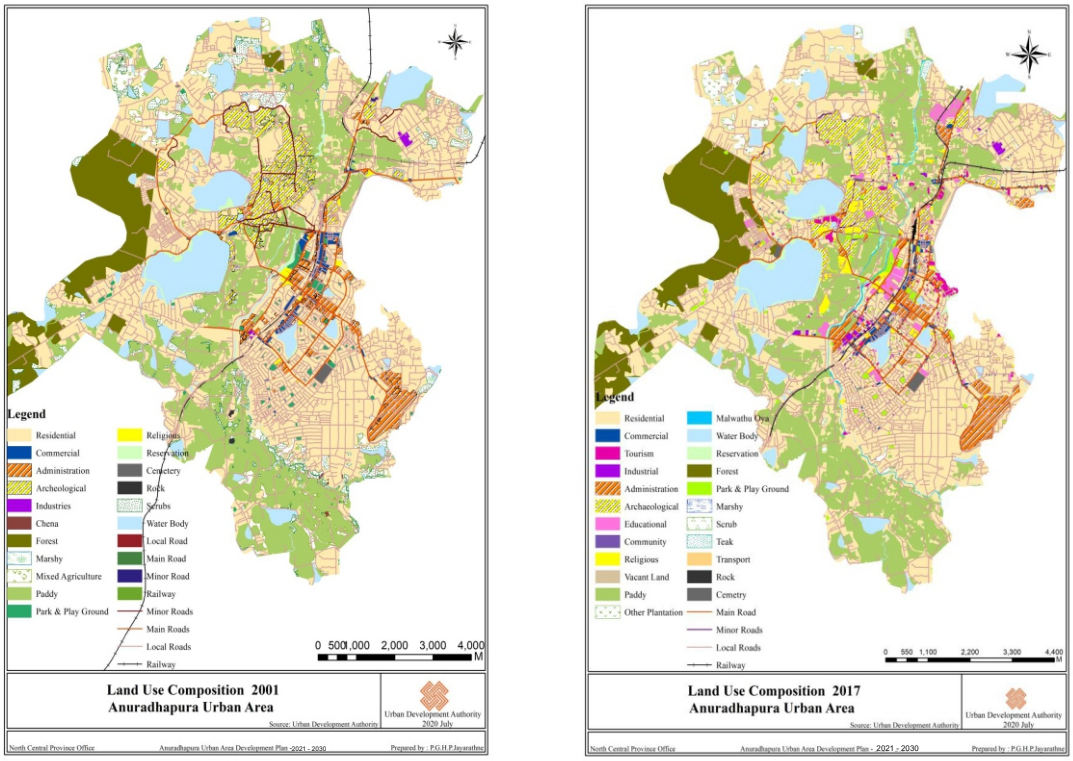
This situation can be identified as a very important strength of the area in order to achieve the third goal of the urban development plan. Here, the changes in land use patterns from 2001 to 2016 can be comprehensively realized through the analyses of these land. Although, in the year 2001, the allocated land extent from the entire land use of the urban area for the tourists was about 01 hectares which is low value, this amount has increased as 65 hectares in the year 2016. The important thing is that, the analyses of land use pattern of the urban area explain that the land use pattern has widely changed because of providing the required services for the tourism. The percentage of this change in the land use pattern is 1.56% which is the high value, and most residential uses have converted into the places that provide the required services for tourists. The decline of 9.9% of the residential uses of the urban area during last 15 years' period properly proves this situation. On the other hand, the number of hotels registered under the Tourist Board has increased from 2010 to 2016. This growth occurs at the high rate such as 20% per year. When analyzing all these information, it is clear that an intensive change of the land use pattern in the urban area is occurring for tourism. The factors that confirm those analyses are as follows.

Chart 20 Incensement of Tourist Hotels Annually



Source : Tourism Development Authority – 2018

Figure 35 Changing of Land Use Pattern



Source: Urban Development Authority – 2020

Figure 36 Changing of Land Use Pattern

Land Use	2001 (Hec)	2001 (%)	2017 (Hec)	2017 (%)	Difference
Administrative Activities	*257*	*6.27*	*270*	*6.58*	*+0.31*
Archeological Site	*689*	*16.80*	*689*	*16.80*	*0*
Commercial Activities	*65*	*1.58*	*100*	*2.44*	*+0.86*
Industrial Activities	*54*	*1.32*	*24*	*0.59*	*-0.73*
Park & Play Ground	*77*	*1.88*	*53*	*1.29*	*-0.59*
Residential Activities	*1869*	*45.56*	*1463*	*35.67*	*-9.89*
Paddy	*694*	*16.92*	*678*	*16.53*	*-0.39*
Environment	*477*	*11.63*	*475*	*11.58*	*-0.05*
Tourism Activities	*01*	*0.02*	*65*	*1.58*	*+1.56*

Source: Urban Development Authority – 2018

Availability of the land which can be used for traditional agricultur e in the centre of the city

Figure 37 Distribution of Paddy lands within the Urban Area



One of the inherent features of the Anuradhapura urban area is traditional agriculture. Early Anuradhapura settlements were started based on traditional agriculture linked with the Malwathu Oya. At the present, the agricultural lands that come since the ancient times can be found in the urban area and this can be identified as one of the most important factors in achieving the third goal of the development plan.

Source: Urban Development Authority – 2020

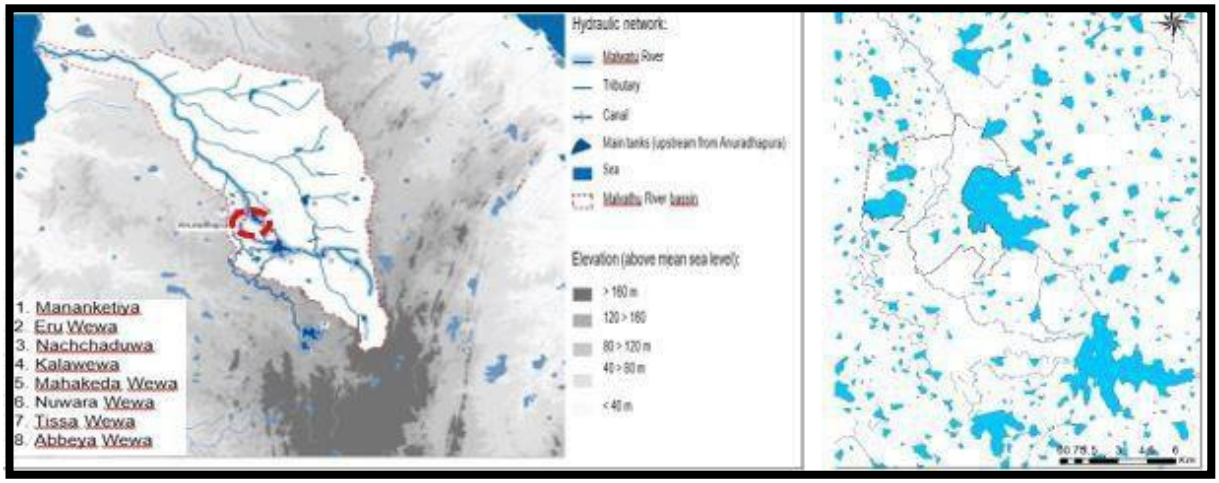
By the year 2017, more than 670 hectares from entire land use have been allocated for agriculture and it can be identified as good factor. At the present, there is a potential that traditional agriculture would become a key component of the economy of the city based on the existing demand for traditional agricultural products. And also, at present, the attention of the Government has been largely directed towards the promotion of non-poisonous foods and

by using this development potential, existing agricultural lands of the area can be utilized for the traditional agriculture and non-poisonous cultivations. As a result, traditional agriculture can be become a key component of the urban economy by providing the required facilities and resources to uplift then on-poisonous agriculture based on the existing demand for non-poisonous foods.

Scattered unique irrigation system all over the city

This is also one of components that highlights the traditional heritage of the area to the world and is one of the factors that increases the value of the area. The beginning of the ancient city occurred based on irrigation civilization and the Malwathu Oya which was its invincible factor flows across the area. There are about 15 tributaries (water dividing points) in the area, which confirm the uniqueness of this irrigation system and about 179 tanks has connected with it. Among these tanks, the tanks such as Nuwara Wewa, Tisa Wewa and Basawak KulamaWewaare important and one of the components that provide the evidences for the advance ancient irrigation civilization is to bring the water from the ThisaWewa to Athpokuna through the underground system. By this way, there is a possibility to attract the lot of tourists to the Anuradhapura city by indicating to the local and foreign tourists that there were a proud culture and the engineering technology in Anuradhapura city as well as by creating space to experience and to see the characteristics of them for present tourists. Based on these situations, there is a possibility to improve the economy of the city directly and indirectly.

Figure 38 Distribution Irrigation System



Source: Urban Development Authority – 2018

Increase of annual revenue by 36% due to the arrival of foreign tourists

This can be identified as one of the most important features of the area in order to achieve the goal of making the traditional heritages a key part of the urban economy. Most of the foreigners come to the historical Anuradhapura city to see and experience the historical heritage that exists in the city. By this way, there is a gradual increase of the arrival of the foreign tourist to the Anuradhapura city from the year 2008 to year 2016. As a result, the direct revenue that was earned by this has increased. This is a 100% growth. This situation confirms that there is proper possibility in the area to make traditional heritages a key component of the urban economy. This confirms that the area is well placed to make the inheritance a key part of the urban economy. The analysis of the potentials can be shown as follows.

Chart 21 Foreign Tourist arrival 2008- 2016

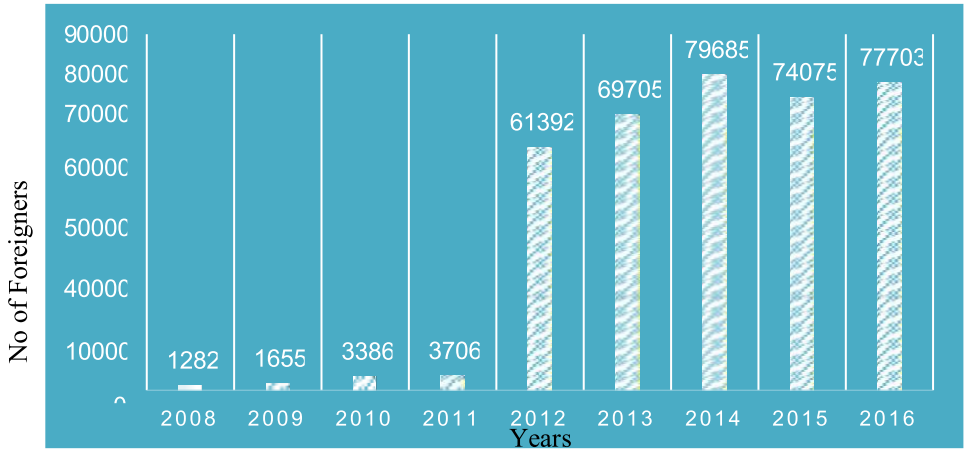
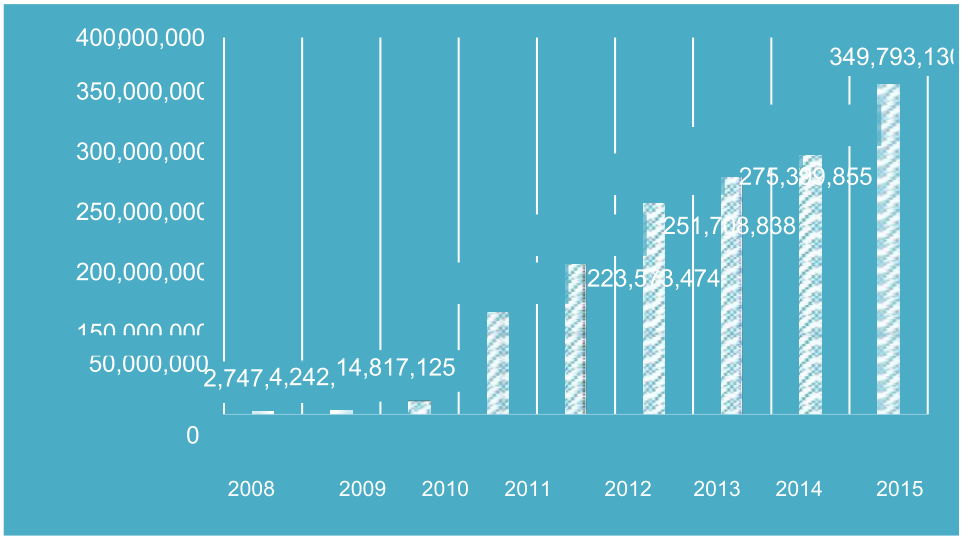


Chart 22 Direct revenues by arrival of foreign tourists



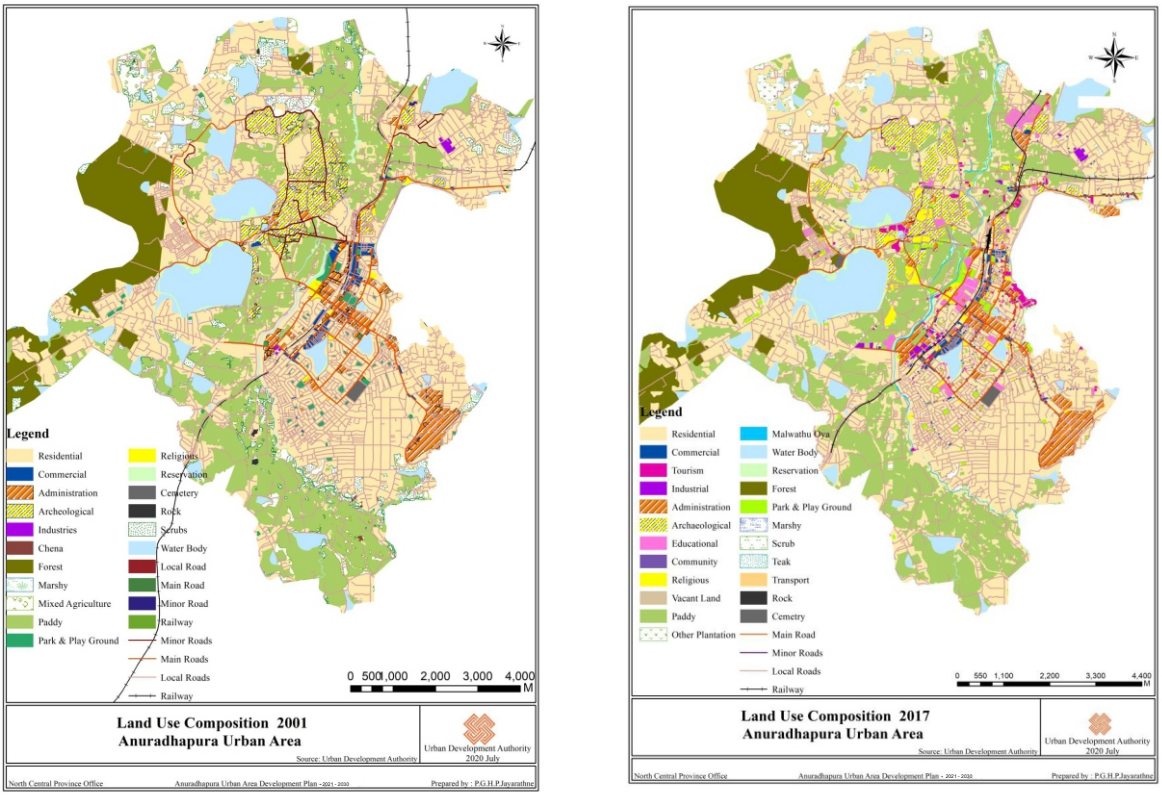
Source: Tourism Development Authority - 2018

5.3.2 Weakness

Gradual decrease of the extent of the paddy lands in area

This situation can also be described as one of the weaknesses of the area in achieving the vision and the goals of the Anuradhapura urban development plan. The impact on the environmental sensitive areas is gradually increased by the urbanization in area and this can be highlighted as a reason for above condition. The end result of this is to fill these traditional paddy lands by the people. In this way, the analyses of land use patterns confirm that the impact of development activities is reason to gradually decrease the extent of the paddy lands.

Figure 39 Decreasing Quantity of Paddy Lands



Source: Urban Development Authority – 2020

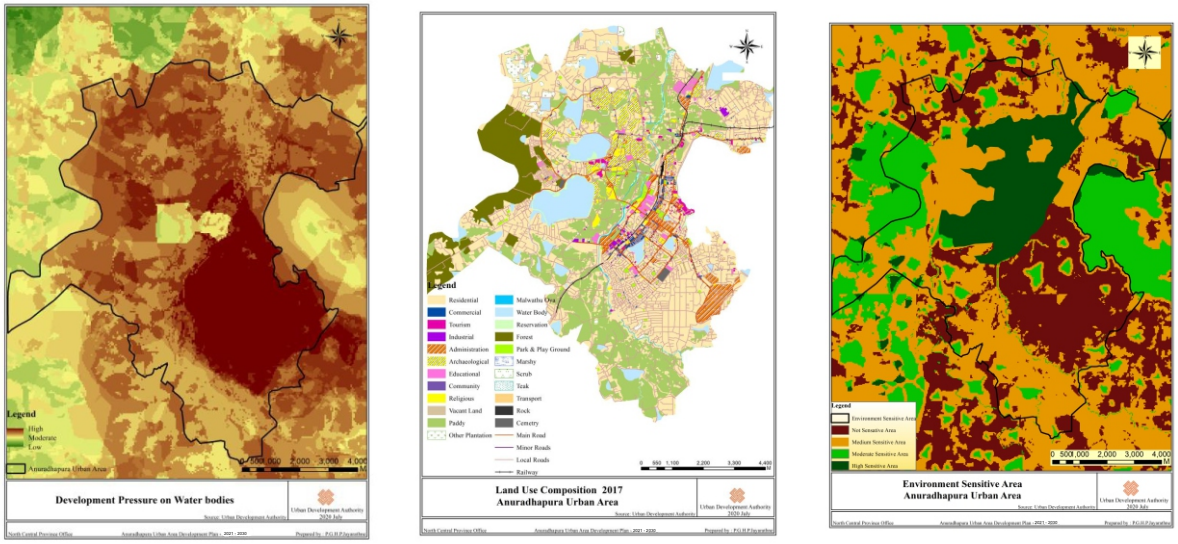
Table 8 Decreasing Quantity of Paddy Lands 2001- 2017

Land Use	*2001 Hec.*	*2001 %*	*2017 Hec.*	*2017 %*	*Difference*
Administrative Activities	*257*	*6.27*	*270*	*6.58*	*+0.31*
Archeological Sites	*689*	*16.80*	*689*	*16.80*	*0*
Commercial Activities	*65*	*1.58*	*100*	*2.44*	*+0.86*
Technical Activities	*54*	*1.32*	*24*	*0.59*	*-0.73*
Park and Ground	*77*	*1.88*	*53*	*1.29*	*-0.59*
Residential	*1869*	*45.56*	*1463*	*35.67*	*-9.89*
Paddy	***694***	***16.92***	***678***	***16.53***	***-0.39***
Environment System	*477*	*11.63*	*475*	*11.58*	*-0.05*
Tourist Activities	*01*	*0.02*	*65*	*1.58*	*+1.56*

Source: Urban Development Authority – 2020

There is a decrease of 16 hectares of the paddy lands in this period, and according to the present situation, the analyzing of the impact that occurs due to the development activities confirms that there is a possibility to further decrease of this extent of the paddy lands. And also, the most important factor is that the analyses have confirmed that these areas should be preserved as environment sensitive areas. These conditions can be identified as one of the weaknesses of the area in order to achieve the goal of making the traditional heritages a key component of the urban economy. The relevant illustrations to the analysis can be shown as follows.

Figure 40 Affect for the Paddy Lands due to Development Activities



Source: Urban Development Authority – 2020

There are no opportunities to tourists to know about the value of the traditional agriculture.

Traditional agriculture is an important factor that intensifies the invincibility of Anuradhapura urban area. There is no opportunity for the present public to know about the value of these heritages which come from the ancient era and it is a major weakness. Although there is a public museum in the area, it does not appropriately reveal the value of these traditional heritages. According to these factors, another weakness of area is that there is no an opportunity for local and foreign people to know about the technology and value of the traditional agriculture in proper manner.

Less opportunities for tourists to experience about irrigation civilization.

Existing of the distinguished irrigation civilization is a factor which intensifies the value of the area like the traditional agriculture. The colonization of the city begins based on the irrigation civilization and with the association of Malwathun Oya. At the present, there are about 15 sub

water sheds under the Malwathu Oya water shed and these water sheds connect based on the tanks about 179.Since ancient times, the way of bringing the water from one reservoir to another is unforgettable and there is a possibility to create the opportunity to know about significance and proud of the area to the world by opening the opportunities to see and study the above said values. Underutilization of these opportunities is a weakness of the area to reach the goal of the development plan.

Dry weather condition

This situation basically affects to the functionality of the agricultural activities. There is a dry weather condition in the Anuradhapura urban area throughout the period of 9 months in the year and it has been reported that the agricultural cultivation lands have been destroyed by worst dry weather condition. Although there are major tanks and canals in the area, the water level of these aquatic areas also gradually decreases during the dry season, and therefore there is an issue in supplying the water system antically by using these tanks for agricultural purposes during the dry season. These tanks are used to provide drinking water which is a basic need of the people. In the dry season the priority is given to fulfil the need of the drinking water facilities more than to release the water for agricultural purposes. This condition is another weakness in achieving the goal of making the traditional heritages such as agricultural industry and its related products a key component of the urban economy.

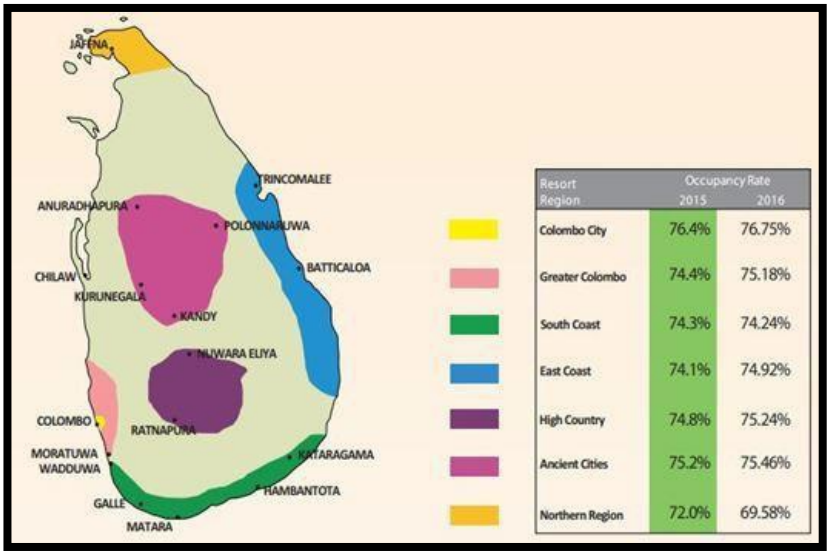
Flood Threat

The major natural hazard in urban area is the flood situation that occurs due to the intensity of the rainfall. With the activation of the monsoon season, heavy rains receive to the area and, flood situation occurs because the water does not flow properly. The agricultural lands on both sides of the Malwathu Oya are strongly affected by this situation. The analysis done on the effect of flood situations which occurred during the period of 2002 to 2016 confirmed that most of the lands on both sides of Malwathu Oya remained as paddy lands in past. These agricultural lands are a jewel for the urban area and to achieve the vision of the development plan and this condition can be identified as another weakness in achieving the goal of making the traditional heritages a key component of the urban economy.

The available amount of tourist hotels of year 2016 is insufficient to accommodate the estimated amount of tourists for the year 2030.

Some of the inconveniences have arisen in developing and improving the tourist hotel industry and facilities of the tourist hotels in order to provide the required accommodation facilities for local and foreign tourists who arrival to the area due to the expiration of legal period of the previous development plan for Anuradhapura urban area by 2016. Therefore, this development plan which is implemented in the period of year 2021 to year 2030, makes required arrangements for providing the required accommodation facilities for 150,000 foreign tourists who are expected to be brought to the Anuradhapura city by the Sri Lanka Tourist Development Authority by 2030. On the other hand, according to the reports issued by the Sri Lanka Tourism Development Authority in 2016, there is also a tendency of staying and spending the night time in historical cities by the tourist. In year 2016, foreign tourists who came to the Anuradhapura city was about 77,703 and about 612 hotel rooms were available for providing the required accommodation facilities for them. Accordingly, about 1500 hotel rooms are required for the 150,000 foreign tourists who are expected to the Anuradhapura city by 2030 and required land use patterns for establishing this amount of hotel rooms are planned by this development plan.

Figure 41 Trend of staying Night time of Tourist at Historical Cities 2015 – 2016



Source: Urban Development Authority – 2018

5.3.3 Opportunities

Being a city of cultural triangle

The Cultural Triangle of Sri Lanka consists of cultural cities such as Anuradhapura, Polonnaruwa and Kandy. The main factors which intensify the value of Anuradhapura urban area are the rich culture and proud historical values and sub characteristics of them which are available in Anuradhapura city. According to the analysis of arrival of the tourist during the period of year 2008 to year 2016, it is clear that arrival of the tsarist is gradually increase and there is a 100% growth in year 2016 comparatively 2008. Similarly, there is a gradual increase of the arrival of the local and foreign tourists, pilgrims and devotees in the other cultural cities such as Kandy and Polonnaruwa and due to the benefit of the location of the Anuradhapura city and its direct connectivity through the easy accessible road network with the other cities of the cultural triangle, there is a trend of arrival of the local and foreign tourists to the Anuradhapura city who come to the other cities of cultural triangle. There is a potential in the area to become the cultural heritages a key component of the urban economy by providing the required services and facilities for these foreign and local visitors.

National trend for poison less food

At the present, there is a great demand for poison free foods all over the world, and in Sri Lanka also, such demand exists for poison less foods. Around 300,000 local and foreign visitors come to Anuradhapura per year, and there is adequate agricultural land extent in the urban area for producing the poison less foods for these people. By cultivating the poison less foods in these agricultural lands and selling these cultivated agricultural products for the local and foreign visitors, residents of the area have an opportunity for economic benefits. This situation is a potential of the area in achieving the aspects of “to become the traditional agriculture a key component of the urban economy”.

The traditional agriculture has not been a factor for tourist attraction in urban area.

This situation is a strong potential to make the traditional inheritances a key component of the urban economy. Although there are agricultural based urban areas around Anuradhapura, they do not use the agricultural based culture and its sub characteristics for attracting the people. But the traditional agricultural-related heritages and cultures of the area can be used as a factor for tourists' attraction and this can be identified as a development potential of area.

Chapter 06

The Plan

6.1 Introduction

The concept plan and physical structural plan for Anuradhapura urban area have been prepared with the purpose of establishing the sustainable development in the area by productively utilizing the possible development potentials for the area development and finding the solutions for identified issues through the descriptive data analysis in order to achieve the vision and the goals of the Anuradhapura urban development plan by 2030.

6.2 The Concept Plan

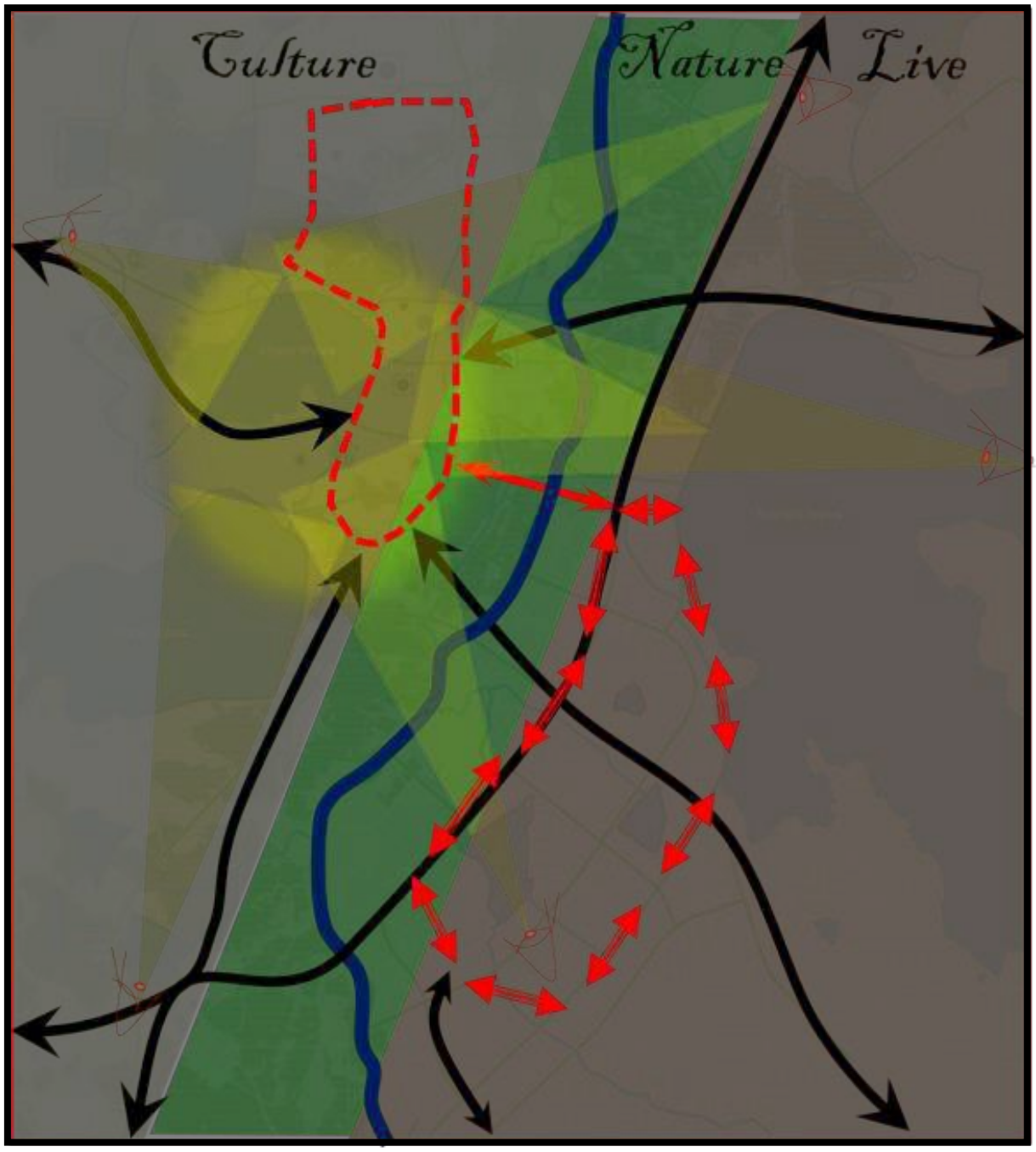
The future development of the Anuradhapura urban area is detailed by the concept plan which was prepared for the Anuradhapura urban area. Further, the concept plan roughly described the following basic goals of the development plan. Goals are 1) to become the scared city a key partner of the balanced development of the area by considering it as a development potential of the area, 2) to strategically avoid the adverse situations of area which occur due to the environmental impacts and 3) to utilize the existing service and infrastructure facilities for the development of the area in systematic manner.

The proposed plan is prepared based on the three main concepts, the Cultural City, the Nature City, and the Livable City.

Based on the Anuradhapura scared city which is great proud to the area, it is considered to carry out the required development activities in order to become Anuradhapura area the best place of the world where its Buddhist heritages and cultural values can be extensively experienced and seen. Based on this, the tourism industry of the area is converted to the main element of the economy of the area through the achievement of the goal of “to make an unforgettable city that the Buddhist heritages and cultural values have been secured”. Further, the improvement of the interconnection with the each other between the old town and new town is among the goals of this development plan.

And also, required actions will be taken to control the development activities in the low-laying areas in both sides of the Malwathu oya which is the flood prone area and to maintain this area as “the environmental urban area”. And also, the development in the area identified as the “residential urban area” in the concept plan will be taken place through managing the existing infrastructure facilities and services in order to hand over these facilities to the public in future in comfortable and secure manner for better utilization.

Figure 42 The Concept Plan



Source: Urban Development Authority – 2020

In order to achieve the goal of “To make Historical and cultural values the main element of the urban economy”, the required services and accommodation facilities for the locals and foreigners who come to visit the Anuradhapura city, are provided in the new town that is called as “urban residential area” and this development plan and its concept plan has been prepared to maintain the “environmental urban area” for highlighting the invincibility of the traditional agriculture and to achieve the economic benefits of it.

6.3 Proposed Land Use Plan

The Anuradhapura development plan is developed required regulations and projects in order to achieve the vision of "The Capital of the World Buddhist Heritage" for the year 2030. This document explains how the urban area of Anuradhapura should be organized and developed in 2030 with these all the features and elements.

The visibility lines are prepared and maintained to Buddhist heritages and exhibit the significance of the Anuradhapura urban area by enforcing the planning and building regulations.

Further, this development plan helps to ensure the optimum utilization of the resources in order to show the importance of Anuradhapura urban area in the world. An information Centre will be established at the entrance of the sacred city to educate all the visitors who enter the sacred city of Anuradhapura. This Centre will provide detail information on significance of the sacred city, what are the visiting places and etc. And also, considering how to place Anuradhapura area among the other world heritage sites will be possible through the development of vehicle parks in the scared city, improving sanitary facilities in the sacred city, development of museums, beautification of the gardens, development of the foot paths, taking necessary actions to unveil the hidden ancient places for the public, establishment of eco-friendly Meditation Centre and the development of a number of other large projects in the city.

And also, the arrangements are made to ensure the efficiency in the transportation system of the urban area. For this purpose, this development plan provides the arrangement to prepare the plans for developing the identified new roads and for improving the conditions of existing roads and for developing and interconnecting the railway station and bus station in order to provide the comfortable and attractive service for the public.

This development plan proposes necessary projects to develop a rain water sewage system in the urban area and to prepare the existing natural canals of urban area in order to overcome the effects of the flood situation in the urban area which occur with the activation of the monsoon season.

In addition, to minimize the impact of the high temperature in Anuradhapura urban area, the plan provides necessary arrangements to establish the tree strips along the main roads and to develop the existing small tanks of area in more human friendly manner for public.

And also, the development activities are carried out to increase the value of Malwathu Oya which is one of strong factors that intensify the invincibility of the area.

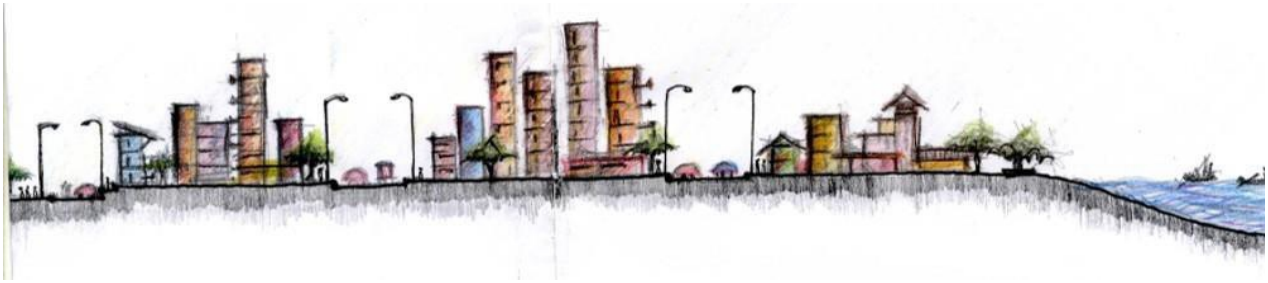
When paying attention to the expansion of the buildings in the area, the necessary laws and regulations are enforced to the construct high-rise buildings in the city Centre and decrease the height of the buildings gradually towards Malwathu Oya. Further, law and regulations are enforced to reduce the building heights gradually from city Centre towards Nuwara Wewa. The following figure depicts the expected distribution of height of buildings from Maithripala Senanayake Mawatha to Malwathu Oya by 2030.

Furthermore, required actions are taken to further improve the land use patterns such as commerce, services and tourism in the town Centre and the area close to the Nuwara wewa is promoted as an attractive place for tourism. And also, while, the required arrangements are made to maintain the educational institutions in the Jayanthi road and its surrounding area, Malwathu Oya and its both sides are maintained as environmental zone. While only selected development activities are allowed in the sacred city, development activities are controlled in order to protect the features and characteristics of the sacred city and its surrounding area. Further, the required arrangements are made to promote the residential uses in the surrounding area of the urban Centre of this Anuradhapura urban area. Below illustration shows expected appearance of the distribution of the heights and nature of the buildings by the year 2030.

Figure 43 Building Hierarchy from Main street towards Malwathu Oya

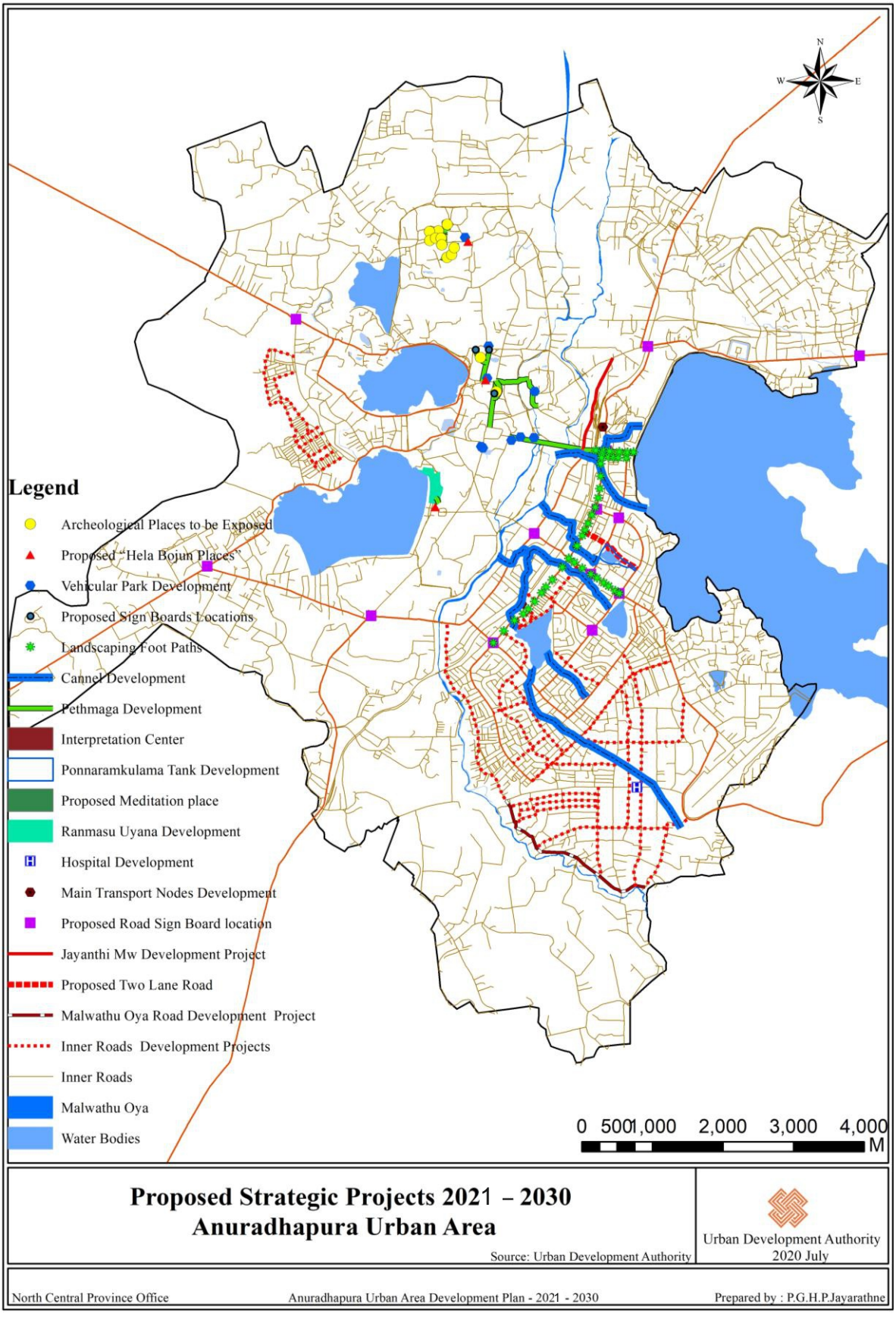


Figure 44 Building Hierarchy from Main street towards Nuwara wewa



Below map shows how the Anuradhapura urban area is by the year 2030 and proposed active projects.

Map 2 Proposed Strategic Projects for Development



Source: Urban Development Authority 2020

6.4 Social and physical infrastructure Development Strategies

This physical and social infrastructure development plan can be introduced as the main strategy used to become Anuradhapura city a convenient, safe and people-friendly city by the year 2030. It is expected 0.5 million populations in Anuradhapura urban and its surrounding area by the year 2050 as per the proposed National Plan of National Physical Planning Department. This plan set ups the foundation to develop the Anuradhapura urban development area physically and socially as the main place to provide the services for this expected population. By the year 2030, it is expected about 115,400 populations in Anuradhapura urban area and it is estimated that about 280,000 populations would come to the city form outside by year 2030. This development plan provides easy access for population to obtain the required services and for this purpose, this development plan uses development strategies under the different sectors. These are,

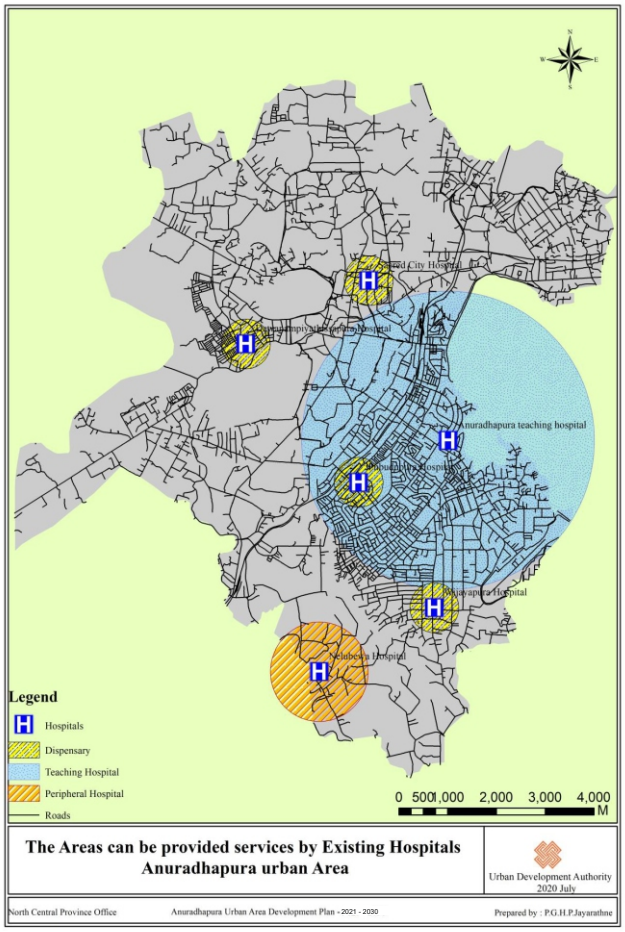
1. Public Service Facilities Development Plan
2. Public Transport Services Development plan
3. Water Supply Plan
4. Electricity and Communication Facility Plan
5. Drainage and Sewerage Management Plan
6. Solid Waste Management Plan

This development plan includes strategies identified through the descriptive analyses done about above mentioned each plan.

6.4.1 Proposed Service Plan

This plan describes the way of providing the services for persons who come to the city from outside (immigrants) and expected population in Anuradhapura urban area by 2030, in order to provide the guidelines for investment opportunities and the future plans for social and infrastructure facilities in Anuradhapura urban development area.

Figure 45 The arears provide services by existing Hospitals



Source: Urban Development Authority – 2020

This strategic plan mainly focus on the health and education sectors according to the requirements of existing population. Though at the present the health and educational sectors has come to an acceptable level, it is expected to provide a better and more secure service in above said sectors to the growing population

Basically, the schools and hospitals which have spread throughout the area were categorized according to their service level and the ability to easily access for their beneficiaries was identified. It was identified that at the present,

there is adequate health and educational facilities for people who live in the area. Therefore, it is intended to develop the existing schools and hospitals as needed by the growing population.

Development of Hospitals

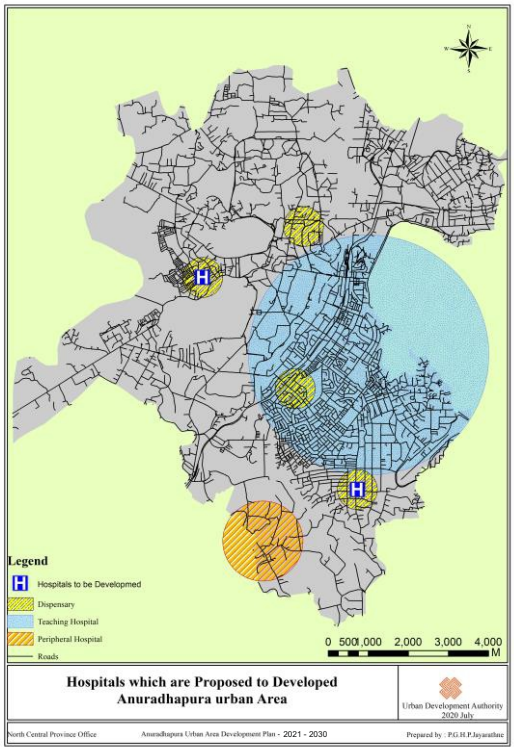
The Anuradhapura Teaching Hospital, a very valuable resource for Anuradhapura urban area, serves mainly in six districts. There is a 1.33 population growth in the entire district, and by the year 2030, it is expected that there would be a population of 108,900. It is proposed to develop Anuradhapura Teaching Hospital to provide a better service in according to the population growth and it is further proposed to develop the following hospitals as well.

Table 9 The Hospitals which are proposed to develop

Name of Hospital	Expecting Population	Proposed Development
Dewanampiyatissapura Hospital	14,200	Increase Facilities
Wijayapura Hospital	35,600	Develop as a based hospital

Source: Urban Development Authority – 2018

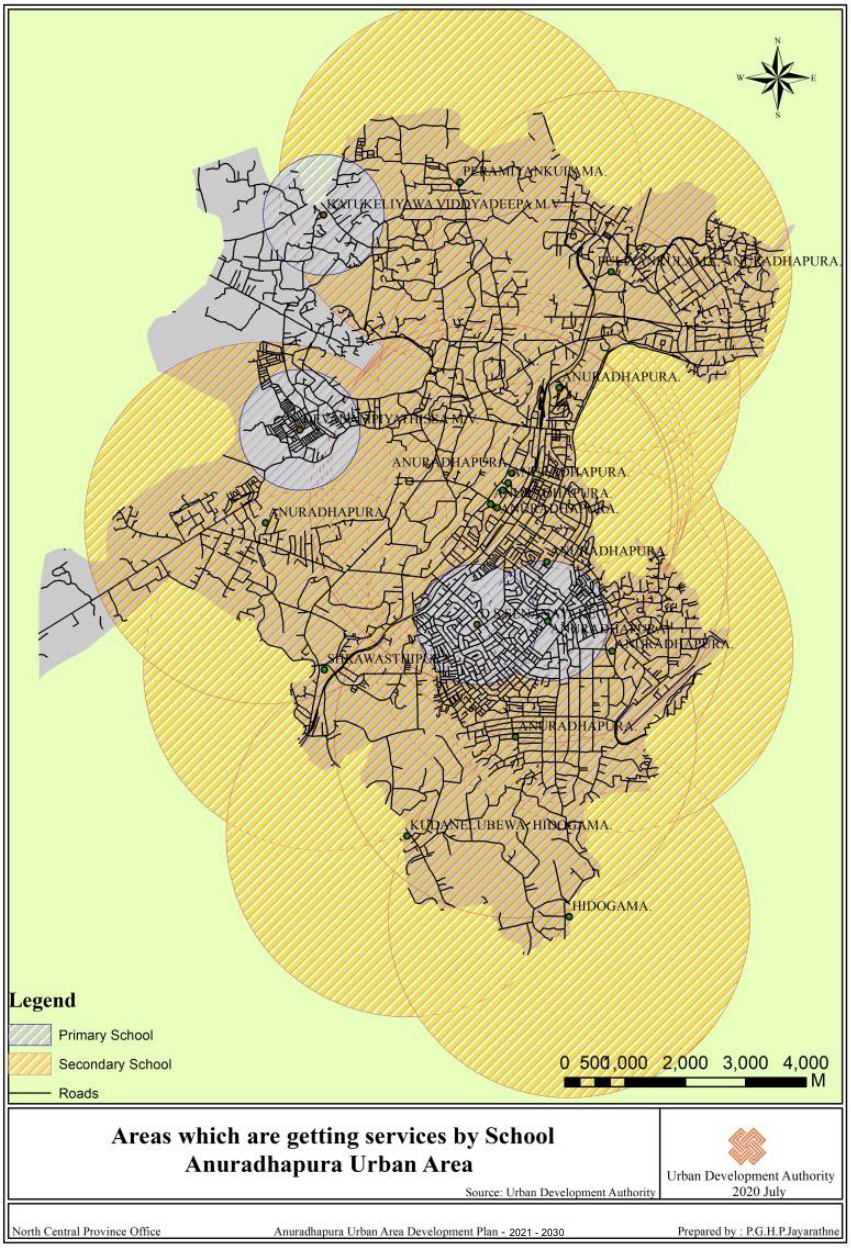
Figure 46 The Hospitals which are proposed to develop



Source: Urban Development Authority – 2020

Development of School

Figure 47 The areas which are getting services by School



There is no need to propose the schools because existing schools are located with the easy access to the expected population in the Anuradhapura urban area by 2030. While expected amount of school students in the urban area by 2030 is approximately 34,500, the amount which expects from other areas of district to the urban area is approximately 9,500.

Source: Urban Development Authority – 2020

Therefore, it is proposed to improve the quality of existing schools in this area according to the approximate estimates. This indicates the distribution of the schools in the urban area and the information about the areas that are covered by the school according to the extent of the school. Following schools also are proposed to develop.

Table 10 The Schools Proposed to Develop

Name of the School	Proposed Development
RathmaleTissaMaha Vidyalaya	Increase the facilities
KudaNelubewa Vidyalaya	Increase the facilities
MahaNelubewa Vidyalaya	Increase the facilities
VanniTammennewa Vidyalaya	Increase the facilities
K.B. Rathnayake Vidyalaya	Increase the facilities
Pothanegama Vidyalaya	Increase the facilities
Wijayapura Dhamma Thilaka Vidyalaya	Increase the facilities
Ashoka Vidyalaya	Increase the facilities
Hatharaswela Vidyalaya	Increase the facilities
St. Joshap Vidyalaya	Increase the facilities
Anuradhapura Madya Vidyalaya	Increase the facilities
Swarnapali Balika Vidyalaya	Increase the facilities
WalisingheHarischandra Vidyalaya	Increase the facilities
NiwanthakaChethiya Vidyalaya	Increase the facilities
Zahira Vidyalaya	Increase the facilities
Vivekananda Vidyalaya	Increase the facilities
D.S. Senanayake Primary School	Increase the facilities
KatukeliyawaVidyadeepa Vidyalaya	Increase the facilities
DewanamPiyatissa Vidyalaya	Increase the facilities

Source : Urban Development Authority – 2020

6.4.2 Proposed transportation plan

The road network is one of the most potent elements in the development of the area. The transportation plan can be introduced as a most powerful strategy to be used in the development of Anuradhapura urban area. The proposed transportation plan intends to improve the efficiency and economic development of the area. Though the Anuradhapura area has a formal road network and transportation system, still there are some weaknesses. By 2017, 60% of the total amount of vehicles in circulation in the city is transport modes of the private sector, and 40% is in the category of public transport. By the year 2030, the number of the arrivals in the urban area is projected to be around 280,000 people, and by 2030, it is expected to maintain the same trend in the same percentages. According to the calculations of Passenger Car Unit (PCU) it was confirmed, if this current situation maintained as at the same level, there will not be any traffic congestion in the city by 2030. Accordingly, following strategies are used to improve the transport sector in order to achieve the stated goals and objectives of the development plan.

Proposed strategies for transport plan

- To develop and interconnect the existing two main transportation hubs together.
- To construct a small bus station near the main railway station and develop these transportation hubs by interconnecting them together.

The two bus stations and two railway stations will be interconnected in order to provide convenient and efficient service for the people who come to the area by bus and train. Here, the railway station and bus station of new town will be interconnected by locating the railway station of the new town near the bus station of the new town. On the other hand, required convenient service will be providing for the public by establishing the small bus station near the main railway station. Here, development of these two transportation hubs in the way of displaying each other is important. The below illustration shows how these transportation hubs should be developed

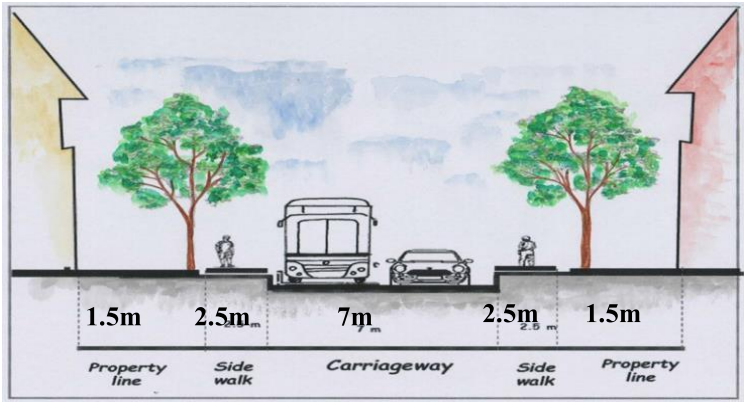
Development of Agurumaduwa Road by connecting it with A12 Road

As this project was proposed by the Road Development Authority, the development activities will take place according to their directions.

Development of the playground road and road behind the nature park as two lanes roads.

here, the part, up to the playground road meets the road behind the nature park andfrom the place where the road behind the nature park meets the Dharmapala road to the place where meets the Harischandra road will be developed with the purpose of ensuring the easy vehicle transportation. This will naturally turn the focus of the persons towards the nature park tank (Ponnaramkulama) and improve the access to easily reach to the hospital. And also, it is aimed to minimize the traffic congestion from the DS Circular at Bandaranaike Mawatha to Denzil Kobbekaduwa roundabout. It was confirmed by the analyses that the congestion can be minimized by developing this road. The illustration shows how that road should be developed.

Figure 48 Proposed Two Lane Road



Develop Malwathu Oya Mawatha up to Bandaranaike Mawatha.

This is presented as a new project proposal and this expects to mark the boundary of Malwatu Oya reserve, to provide the opportunities for the people to visit Malwathu Oya reserve and to properly develop the lands close to the Malwathu Oya.

Development of by-roads

While most appropriate roads for transportation were identified through analyzes, it is proposed to improve the conditions of those roads.

Table 11 Development of Proposed by Roads

Name of the Road	Length (M)
Development of 07th Lane, 6th Lane, 5th Lane, Mahajana Pola, 4th lane and its by roads	1500
Development of Kumbichchankulamawewa road up to Bandaranayaka Mawatha	1500
Development of Lenine Mawatha up to A13 Road	2700
Development of MalwathuOya Road up to Jayanthi Mawatha	3600
Development of Shanthi Mawatha up to A13 Road	2900
Development of Vishaka Mawatha up to Lenin Road	2400
Development of Nagasena Mawatha up to Budhdhagaya Mawatha	2100
Development of Dharmaraja Mawatha up to Vishaka Mawatha and Pandukabhaya Mawatha up to Lenin Mawatha	2600
Development of ParakumUyana 9th Lane up to Bandaranayake Mawatha	2100
Development of by road of DewanamPiyatassapura 1	1500
Development of by road of DewanamPiyatassapura 2	250
Development of by road of DewanamPiyatassapura 3	450
Development of by road of DewanamPiyatassapura 4	400
Development of by road of DewanamPiyatassapura 5	410

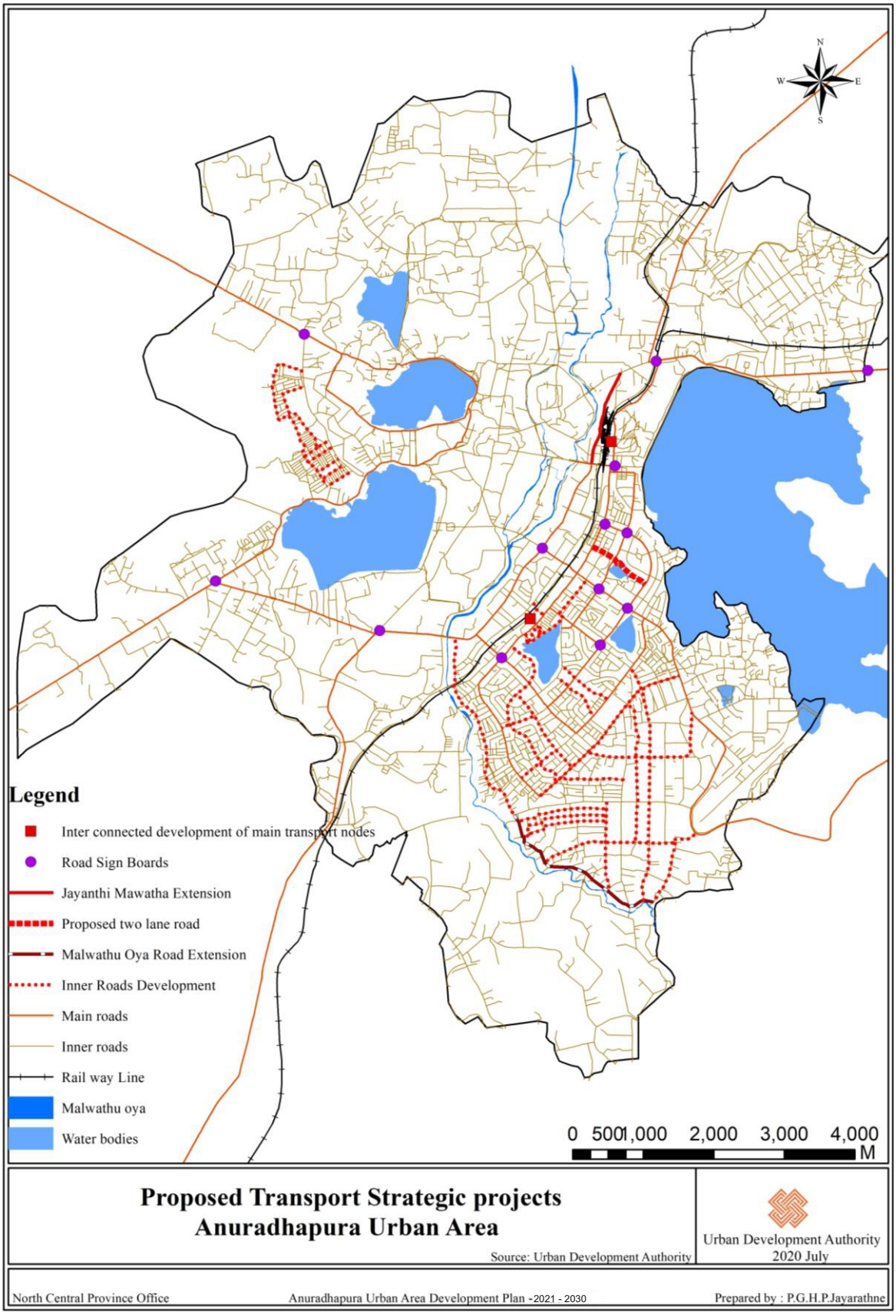
Development of DewanamPiyatissapura, 1st and 2nd roads parallel to Watawandana Road	3600
Development of Sagabo Mawatha and Kashyapa Mawatha up to PubudupuraMawatha	1200
Development of Agbopura 1st Lane and Pandukabhayapura 14th Lane	700
Development of Agbopura 8th Lane and Pandukabhayapura 15th Lane	800

Source: Urban Development Authority – 2018

Establishing awareness boards included all road networks.

The sign boards included the road network of urban area will be displayed at Matale junction, Jaffna Junction, Market Junction, Bank place, Dutugamunu roundabout, Ayurvedic roundabout, Jaynthi roundabout, St. Joseph's roundabout, Denzil Kobbakaduwa roundabout, Dahaiyagama junction, 2 kanuwa junction, Pandulagama junction and Lolugaswewa junction.

Map 3 Active project for City Development under proposed Transport Plan



Source: Urban Development Authority – 2020

6.4.3 Proposed water supply plan

The water supply can be introduced as an essential component for the easy maintenance of the functionality of Anuradhapura urban area. At the present, the water is supplied by the National Water Supply and Drainage Board for the Anuradhapura urban area and the drinking water requirements are fulfilled through the Thisaawewa, Nuwara Weva, Thuruwila Reservoirs. Following is the projected water requirement of each zone of Anuradhapura urban area calculated based on the density of the land use patterning liters by year 2030. According to the data and information of National Water Supply and Drainage Board, based on the assumptions, per person uses 120 liters per day for domestic uses and per person uses 132 liters per day for commercial and other uses, the calculations was approximately done for each zone and it is as follows.

Table 6. 4 Required Water Quantity per Day

Zone	Water Quantity per Day (L)
Residential Zone	9,125,760
Commercial Zone	32,024,688
Tourism zone	15,372,540
Educational zone	5,232,000
Control zone	10,417,080
Nature zone	544,800
Sacred city zone	228,000

Source: Urban Development Authority – 2018

6.4.4 Electricity and Communication Facility Plan

Electricity is provided by the Ceylon Electricity Board for Anuradhapura urban development area. The Ceylon Electricity Board assures that, for Anuradhapura urban development area, they have ability to fulfil the required electricity coverage according to the expected land use pattern by the year 2030. However, by 2030, the electricity will be generated by using solar power in Anuradhapura urban development area.

6.4.5 Drainage and Sewerage Management Plan

And also, it is proposed to construct a sustainable rain water drainage system for Anuradhapura urban area through the Urban Development Plan. To minimize the negative effect of flood threat with the activation of monsoon season, the well-connected rain water drainage system that covers the entire urban area is essential. This rain water drainage system is proposed by this development plan. And also, this plan proposes to properly mark the boundaries of the reserves belongs to the natural canals that spread throughout the area and develop these canals to ensure the proper flow of water.

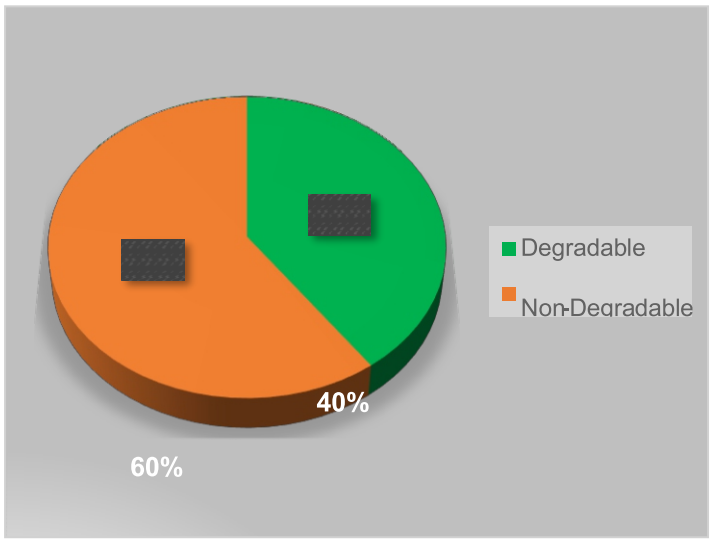
And also, expected population who will come to Anuradhapura urban area by 2030 for the variety of requirements is about 545,000. It is expected that out of this total expected population 44.5% represents the active zone and 24% represents the Hospitality zone. On the other hand, it is also expected that these areas will have land use patterns with higher density and, as a result, it is proposed to create a sewage system especially covering both these zones.

6.4.6 Solid Waste Management Plan

The materials, other than the liquid that generate by domestic, commercial, agricultural, industrial and other common activities is considered as the solid wastes. Solid wastes combine with various type of waste such as food waste, paper wastes that removed from packaging, metals, plastic, glass, discarded clothes, waste in the gardens, waste that remove from factories, waste that generates due to the constructions. Solid waste management includes with waste generation, storage, collection, transportation, and final exclusion after converting it to environmental friendly disposal methods.

According to the census report of the 2017, the number of people in the Anuradhapura urban development area in 2017 is 96,399. Approximately 31 tons of waste is generated daily in the area. Accordingly, a single person generates about 320g solid waste per day. The estimated population of the Anuradhapura urban development area in the year 2030 is 115,435, and the projected total daily waste which is generated in that year is 37 tons. The percentage composition of degrading and non-degrading waste can be highlighted as follows.

Chart 23 Waste Composition degradable and non-degradable

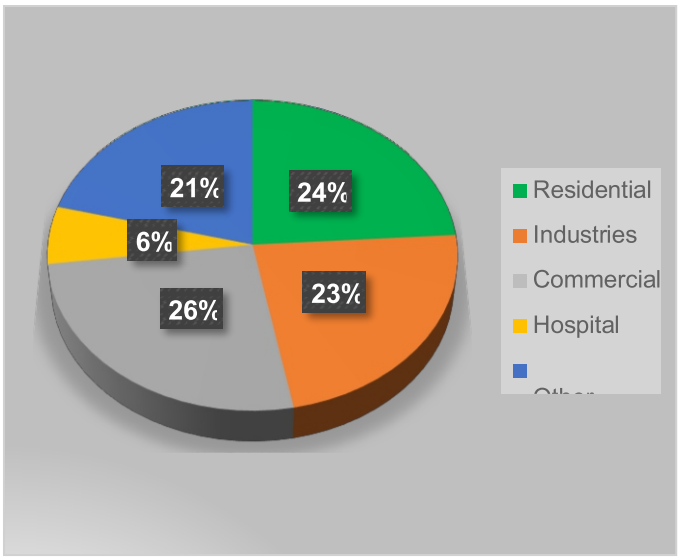


The 150,000 populations come to the Anuradhapura urban area a day the migration population is projected as 150,000 a day, and by the year 2030 it is predicted to be around 280,000. The daily solid waste generated by the migratory population will be about 163 kilograms.

Source: Local Authority – 2018

The waste collection and management Anuradhapura urban development area is undertaking by Anuradhapura Municipal Council. Collection of wastes splits into both sides of the roads and also collection of garbage runs from door to door. In commercial areas the collection is a regular task, that they collect waste daily and in resident areas garbage is collected twice a week. Residents, shops, hospital, factories, hotels and banks can be identified as the sources that garbage generates.

Chart 24 Quantity of Solid Waste according to source of generation



Source: Local Authority – 2018

The garbage collected in the Anuradhapura Municipal area is disposed to a 15acre land in Keerikkulama which belongs to central government. A portion of the garbage is used to generate organic fertilizer production. The other portion of the waste is disposed on to an open area of that site. Non decaying garbage such as plastic waste takes to a recycling Centre at a Nuwaragam Palatha East GN division for recycling them separately. It is expected to expand the existing 15acre land of Keerikkulama to 20 acre considering the future need for the waste management. The analysis revealed that there is a need for 03 compactors and 50 trained skill labors to improve the future and existing production of organic fertilizer based on future need of waste management.

Solid Waste Management Strategies

Although the waste generation at Anuradhapura urban area is minimal in the existing waste management method, the garbage recycling center is used for placing the garbage collecting bins in proper places to collect the garbage separately and recycling this garbage. This plan has identified the strategies for generating the income for Anuradhapura Municipal Council through the waste management and for reducing the waste generation.

Strategy 01 - Minimization of Solid Waste generation

1. Introducing methods to discourage the waste generation at domestic. trade, industrial fields.
2. Organize awareness and education programs in public places and schools and introduce 10 R concept and minimize the generation of solid waste.

Strategy 02 - Separation at the waste generating site.

Classify the waste as domestic waste, institutions' waste, wastes from trades and industrial wastes and also according to the nature of the waste and placing the bins that can be identified separately.

Table 12 The details of Waste Classification

Type of the Waste	Basket Color
Organic	Green Color
Paper	Blue Color
Plastic	Orange Color
Metal	Brown Color
Glass	Red Color

Source: Urban Development Authority – 2018

1. Implementation of programs on waste management to households and shops by Local Authorities.
2. Not mixing biodegradable solid waste with the recyclable waste.
3. Organize education and awareness programs regularly and educate the general public about the methodology of no separation - no collection.

Strategy 03: - Promoting the transformation of all short-term bio-degradable solid waste into organic fertilizer (compost), directing people towards it and introducing the cheap market for organic fertilizer.

1. Transforming all bio-degradable solid wastes that are generated in the houses and the institutions into organic fertilizer at the same place where it was generated.

Examples: Introduce the methods such as compost bins, pit system, Jiwa Kotu

2. The places that generate bio-degradable solid waste in larger amounts

For example: producing compost using simple techniques at a place controlled by local authorities for the places such as houses, hospitals and hotels that composting is not done.

3. To encourage the use of a compost bins at every household or production of organic fertilizer by using the simple technique and thereby increasing the domestic organic vegetables, fruit cultivation and encouraging the organic vegetable market.

Strategy 04 - Establishment of bio gas production in hospitals and government agencies.

1. Bio-degradable food waste and agricultural waste can be used for the production of biogas, and encouraging the use of manufactured biogas for cooking, lighting and other day-to-day operations.

Strategy 05 - Preparation of a program to release Bio-degradable food to animal farms.

Strategy 6 - Use of suitable techniques for the disposal of non-degradable solid waste (recyclable).

1. Organizing attitudinal change workshops at school and institutional levels to promote the concept of “re use of goods' at every level of thesociety.

2. Establishment of places where recyclable solid waste (glass, paper, metal) can be purchased and increase the market and entrepreneurs for promoting this methodology.

3. Registering the buyers of solid wastes which can be recycled by the local authorities and maintaining the continuous coordination with them and providing information to the public.

4. Implementation of garbage fair system for coconut shells, iron, plastics and electrical equipment among the collected garbage.

Strategy 07 - Establishing an institutional structure to prevent the mixing of clinical and solid waste which is released from hospital with the municipal solid waste.

1. Making compulsory the separation of clinical and solid waste
2. It is compulsory to transform wastes to the non-infective matter before disposing the clinical and solid waste.
3. Establishing a healthy system within the hospitals to ensure proper disposal of clinical and solid wastes.

Strategy 08 - Introducing efficient method for waste collection and transportation.

1. Implementing door to door collection method

2. Distribute the time table including the waste collecting dates and type of the solid waste (ex: plastic, coconut shells, glasses) collecting on each day among the houses through the local authorities
3. Provide the necessary equipment and services for the local authorities to construct and maintain compost yards.
4. Partition the vehicle that is used for collecting the waste

5. Collection of solid waste by using hand carts at the places where heavy vehicles cannot be reach.

Strategy 09 – establishment of Sanitary Land Filling sites

1. The non-degradable waste which cannot be used in the biological and recycling process are suitable for land filling. Since there can be financial problems, it is suggested to establish the sanitary land filling site by integrating with few local authorities together.

Strategy 10 - Establishment of a Management Centre for Electric Waste (E-waste).

1. The equipment such as discarded computer key boards, televisions and mobile phones should not be disposed of with municipal solid waste, and these wastes should be collected and provided to the registered buyers at Central Environmental Authority.

Strategy 11 - Establishment of a follow-up committee.

1. Establishing follow-up mechanism consisting of officials of relevant institutions.

Responsible Institutions

Relevant Local Authority

6.5 Economic development strategies

6.5.1 The proposed Economic plan

The economic growth of a city is a prime indicator that indicate the of the performance and the functionality of the city and a main component that affects to the development of that city and to ensure the better successful functionality in the city.

While It is expected to continue the "service provision as a main component of the urban economy" under the economy sector of the development plan prepared for the Anuradhapura urban area for the period of 2021 to 2030, required strategies are prepared to increase the economic growth of the urban area

While the North Central Province contributes to the Gross Domestic Product of Sri Lanka by 5.4%, this province remains as the 7th place in Sri Lanka among the other provinces. The unemployment rate in the district is 3.9% and this rate in the Anuradhapura urban area is around 9%. While Anuradhapura urban area functions as the main economic centre of the province, by 2017, its contribution to the primary, secondary and tertiary sectors is 8%, 19%, 73% respectively. 40 % from the labour force of area work for the privet sector, 33% work for the government sector, 8% engage in the self-employment and 9% are unemployed.

The development plan which was prepared for the Anuradhapura urban development area for the period of year 2021 to year 2030 intends to continue the service provision as a main component of the urban economic and by this way, further it is intended to improve the economic growth of the urban area.

The urban economy is mainly based on two sectors.

01. Service sector related to the Economic Sector

02. Tourism industry related economic sector.

There are about 160,000 people who come for their own needs in the Anuradhapura urban development area. 37% of them come for the purchasing purposes. While per day contribution of this for the economy of area is 42 million, by 2017, allocated land extent in the Anuradhapura urban development area for providing the services related to the commercial sector is 11 million square feet. About 23000 persons do their jobs in the space. The land use pattern is prepared with the purpose of increasing this space up to 19.25 million square feet through the development plan for the period of year 2021 to 2030.

According to the calculations, it is expected that the amount of persons who come to the urban area from the outside would be about 280,000 by 2030. Further, it is expected that 105000 from above amount would come to fulfil the commercial and its related needs and as a result, per day expected income is about Rs. 105 million. By allocating more than 19 million square feet for commercial uses and providing its related services, by year 2030, it is expected to create 17,220 new employment opportunities in the commercial sector and its related service sector.

Another aspect of the economy is tourism industry. While 150000 foreign tourists are expected to bring to the Anuradhapura city by year 2030, the land use pattern is prepared with the purpose of establishing the tourist hotels for providing the services and facilities for increasing amount of the foreign tourist through development plan for year 2021 to year 2030. Therefore, it is expected to increase the hotel room up to 1500 by 2030 and as a result, it is expected to create 1850 new job opportunities. In this manner, it is aimed to earn Rs. 1500 million by 2030 by preparing the land use pattern according to the requirement of improving the tourism industry.

The required actions such as the improvement of the condition of the road system, providing the water and electricity adequately, establishment of vehicle parks, making the pedestrian paths, planting the trees to control the temperature and development of existing small tanks of area, are taken for improving the economy of the area under the above mentioned main two sections.

Instead of above some projects also identified through Development Plan to Upgrade City Economy.

01. SATHOSA land use for Commercial Developments

02. Railway Quarters land at Jayanthi MW use for Middle Income Housing Development Project

03. Town Center Re – Development Project

04. Prison Land Convert to Tourism Development Activities

05. State Engineering Cooperation land at Dahaiyagama Junction use for Mix Development Activities

06. Car Park Developments at Anuradhapura New Town

07. Kumbichchankulama Wewa Road Development Project

08. Landscape Project at Maithripala Senanayake MW, Bandaranayake MW, Semasinghe MW & Harischhandra MW

09. Multi-Purpose Building at Nuwaragampalatha Central PS Area.

10. Landscape Development project in front – of Nuwaragampalatha Central PS

11. Ponnaramkulama Wewa Road Development Project

12. Wanniyamkulama wewa (Kada 50 Tank) Development Project.

13 Proposed Identy card office Development at Old Bus Stand Land

6.6 Sustainable Environmental Development Strategies

The sustainable environmental strategies can be introduced as one of the essential factors for maintaining the balanced development in area. In here, the development strategies are described in achieving the balanced development of physical and natural environments and protecting the environmental sensitive areas that have been affected due to the current development activities. This environmental plan mainly consists of three Strategies:

1. Environmental Conservation Plan.
2. Disaster Risk Reduction Plan
3. Special plan for Public outdoor recreational activities

6.6.1 Environmental Conservation Plan.

While this Environmental Conservation Plan aims to protect the environmental areas that need to control the temperature of area and flood threat, the strategies are used to get the optimum contribution of these areas for area development process.

Here, the wetlands in the Anuradhapura urban development area can be categorized as follows.

1 Fresh water reservoirs and waterways, wetlands and marsh lands

2 Abandoned paddy fields (Fallow paddy fields)

3 Paddy lands / meadow / Madiththa / Asliyaddha

4 Non-paddy wetland/agricultural areas

5 Water reservoirs and waterways

Zoning plan of wetland for the Anuradhapura urban development area is based on the followings.

01. Present Nature.

02. Requirement of food retention.

03. Possibility of using for economic purposes (for paddy cultivation, fisheries and other crops)

04. Good (positive) need of the residents in the Anuradhapura urban development area

05. Ecological value of wetlands.

06. Problem mitigation strategy.

The institutions that should be obtained the general conditions, guidelines and recommendations.

Institutions to obtain clearance and recommendations.

01. Sri Lanka Land Reclamation & Development Corporation

02. Department of Irrigation

03. Central Environmental Authority

04. Urban Development Authority

05. Relevant Local Government Institutions

06. Forest Department

07. Department of Wildlife Conservation

08. National Building Research Institute

09. Department of Agrarian Development

10. Department of Archeology

Conditions

01. Maintenance of the capacity of flood and implementation of other developments activities should be carried out according to the decisions come through the coordination of the institutes mentioned under the No: 01,02,03,04,05,06 and 09 and by considering the changes of intensity of the surface runoff due to the construction in the wetlands and increase of the intensity of the marginal weather conditions due to climate changes.

02. The approval should be obtained from the below institutions mentioned under the Nos: 01,03,04, 05 and 09 before the development of any wetland (low lying land). Similarly, when the right of the wetlands comes under the scope of the relevant institutions through the different acts, the required recommendations / approvals of below institutions mentioned under the Nos: 02, 06, 08 and 10 and other relevant institutions should be obtained.

03. Environmental clearance certificate and environmental protection permit should be obtained for any development activity that affects to the wetland environment by the below institutions mentioned under the Nos: 03 and 05. These should be renewed annually.

04. The Approval (final clearance certificate) granted by the below Institution mentioned as N0: 01 for development of any wetland should be renewed annually according to the decisions of the planning committee.

05. The canals, reservoirs and reserves declared by Gazette Notification No: 1662/17 and dated 14.12.2010 by the above institutions mentioned as Nos. 1 and 02 should be maintained.

06. Any construction that obstructs to the runoff and flood containment capacity should not be implemented in the wetlands, water bodies or waterways.

07. Other organisms except external and aggressive plants and animals in environmental sensitive wetlands should not be removed.

08. Every approved construction in wetland should be constructed according to technical standards and green building concept.

09. When approved use is carried out especially in every wetland that need the water retention capacity, those water retention areas should be replaced as solution for reduction of water retention capacity due to the implementation of above approved use and environment conditions due to the other effects. The approval for this should be obtained from the relevant institutions. (9,10)

10. In the process of fishing and catching the other aquatic organisms, mechanical boats or other ships should not be used.

Guidelines

01. Sustainable water drainage systems should be used for areas where it is recommended to be filled.

02. The proposed constructions for uses approved without any effect to the flood containment capacity and inundations and according to the preliminary plans of the initial projects or Advisory Guide Plan approved by the Urban Development Authority should be implemented under the approval of the institute mentioned as No:01 and other institutions mentioned from No:2 to 10.

03. The areas which can be clearly identified that the areas have biodiversity and cultural and archaeological values and a value for the landscaping, should be conserved.

04. When implementing the approved activities in wetland, the legal common foot path, common bathing places should be conserved or relocated in close other suitable area.

05. Approved building plans in the wetlands should be implemented according to the green building concept.

06. Developers should obtain the services of the Professionals of relevant Institutes who have the competencies in relevant field, in preparing the plans, designing and Monitoring.

07. Especially, it is needed to preserve all areas where fishes and other aquatic organisms are breeding.

08. It should not be allowed to dispose the garbage to the wetland areas. (Domestic, institutional, industrial, commercial, electrical, and clinical waste)

09. When releasing the waste water, only the purified water should be released under the approval of the Central Environmental Authority.

10. The boats only operating through the man power should be used for fishing.

The institutions to get the approvals

01. Sri Lanka Land Reclamation & Development Corporation
02. Irrigation Department
03. Central Environmental Authority
04. Urban Development Authority
05. Relevant Local Government Institutions

06. Forest Department
07. Department of Wildlife Conservation
08. National Building Research Organization
09. Department of Agrarian Development
10. Department of Archaeology

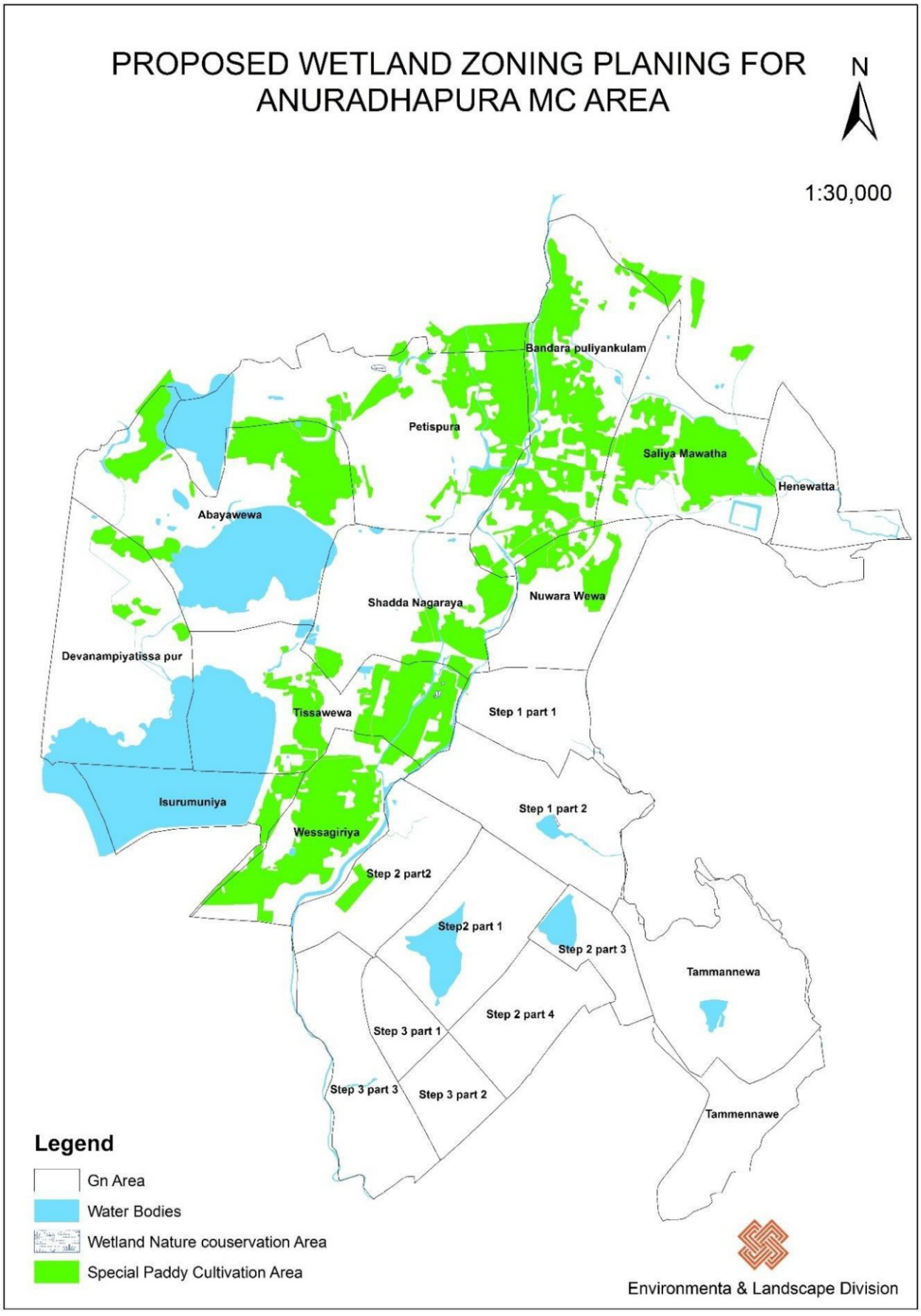
Regulations for wet zone

The special conditions can be applied for "Prescribed Projects" mentioned under the National Environmental Act by the Central Environmental Authority, Sri Lanka Land Reclamation and Development Corporation, Urban Development Authority, Department of Agrarian Development and the Irrigation Department when it is required.

For paddy land

Only the approved uses aligned with the Agrarian Development Act and Circular No. 19/2018 can be implemented.

Map 4 Wetland Plan



Source: Urban Development Authority – 2020

6.6.2 Disaster risk reduction plan for the Anuradhapura urban development Area

The flood situation which occurs with the activation of monsoon period can be identified as the main disaster risk of the Anuradhapura urban development area. Through this Strategic Plan, the required actions are carried out in order to minimize the flood risk and create a comfortable and safe urban area for residents and immigrants.

The existing disaster situation

The flood situation which occurs with the activation of monsoon period can be identified as the main disaster risk of the Anuradhapura urban development area. The information related this and collected from the Disaster Management Centre of Anuradhapura can be summarized as follows.

Table 13 Affection to the area due to flood situation

Date	*Time period (Date)*	*Number of Affected Families*	*Number of affected people*	*Number of Houses*	*Number of damaged houses*
2016/05/17	1.5	97	405	01	04
2015/11/17	01	30	123	01	02
2014/05/21	10	1793	6032	33	42
2014/09/01	08	334	1360	21	67
2010/09/29	1.5	07	35	-	02
2007/12/23	06	179	863	08	15
20015/12/23	06	248	703	19	60
2009/12/12	05	01	05	-	-

Source: Disaster Management Centre – 2018

6.6.3 Guidelines for disaster prone areas in Anuradhapura urban development area

Reduction of construction

Construction activities should be minimized in low lying areas and rain water drainage methodologies should be prepared. In addition, the following activities are proposed.

1) Cultivation of strong and well-rooted plants along the Malwathu Oya bank.
2) Maintenance of low-density settlement areas.
3) Forest cultivation in water catchment areas.
4) Increase water retention areas to reduce flood risk.
5) Establishment of liner parks in Oya / Tank Reserves
6) Encouraging the agricultural activities in vulnerable areas
7) Protection of water catchment areas
8) Maintenance of water flowing areas
9) Minimize the development activities at Malwathu Oya and from its reservation boundary to beyond 100 meters on both sides.
10) Protection of all marshy lands, paddy fields and low-lying areas for mitigating floods.

6.6.4 Proposed special plan for Public out-door recreational activities for the Anuradhapura urban development area

This describes how the land use pattern should be changed for public outdoor recreational activities in the Anuradhapura urban development area.

According to the plans of the Urban Development Authority, at least 1.4 hectares per 1000 population should be allocated as a public open space in preparation of the development plan. According to the census reports, the population of the Anuradhapura urban development area in 2017 is 96,399 and according to the analysis of the development plan, it is predicted that the population would increase up to 115,435 by 2030. Accordingly, by the year 2030, at least 161.6 hectares should be allocated as public outdoor open spaces.

Present public outdoor open spaces of Anuradhapura urban development area

The recreational facilities are considered under the main two components namely direct and indirect recreational facilities. Under the direct recreational facilities, it is required an adequate space for active participation of community in recreational activities such as playing, swimming, running, walking.

There are several places in the Anuradhapura Municipal area which can be used to fulfil above requirements and these places are described in tables.

Table 14 Public out-door space -2017

No.	Type	Extent (Hec.)
01	Pocket Park	0.3
02	Mini Park	18.6
03	Local Park	22.2
04	Community Park	11.0
	Total	**52**

Source: urban Development Authority – 2018

According to the Tables at the present, 52 hectares are open spaces in the Anuradhapura urban development area. According to the projected population, 161.6 hectares are required for proposed public outdoor open spaces by 2030.

But there are 708.8 hectares in Anuradhapura urban development area that can be proposed for public outdoor open spaces. According to the tables analyses have explained that there are adequate lands for public open spaces in Anuradhapura urban development area for the present population and projected population of year 2030.

The special plan about public outdoor recreational activities prepared by including the reserves such as tanks of the Anuradhapura urban development area, both side of the Malwathu Oya and canal, and existing developed and developing spaces in Anuradhapura Urban area is shown in tables

Table 15 Proposed Open Spaces in the Urban Development Area

No.	Type	Area (H)
01	Proposed Pocket Park	1.9
02	Proposed Mini Park	5.7
03	Proposed Local Park	1.3
04	Proposed Linear parks	699.9
	Total	**708.8**

Source: Urban Development Authority – 2018

Strategies for development of the public outdoor open spaces

Reforming and landscaping the existing tanks both side of Malwathu Oya in Anuradhapura urban development area

Here, it is aimed to protect the tank reserve, increase the vegetation coverage of area, use the public open spaces for recreational and leisure activities. Usually, it will be better to use open spaces for passive recreation.

Here, it is allowed to create the recreational places integrated with the natural environment of the surrounding of the tanks such as allocated spaces for the recreational activities, camping sites, areas for physical exercises and jogging tracks. Further, it is proposed that other proposed gardens of city are suitable for developing according to the landscape design as leisure areas for the public.

Here, proposed components are visitors' places, pedestrian lines, green strips, and open spaces with the seating arrangement for leisure and recreational activities and conservation of reserves.

Reforming existing sports grounds in the Anuradhapura urban development area.

It is aimed to reform the existing play grounds with the facilities for active recreations and passive recreations.

It is proposed that improvement of facilities of the play grounds and preparing the schedules and procedures for maintaining them, construction of new stadiums, indoor stadiums and infrastructure facilities of stadiums according to the correct direction are required.

Improvement of Social Recreational Facilities.

This plan proposes that sports clubs, tourist hotels, holiday resorts and tourist bungalows should be established in a suitable standard to fulfil the needs of the local foreign tourists.

Improvement of Facilities for Tourism and Pilgrims

While public transport facilities which are reason for the development of the tourism industry should be developed, the places that provide the facilities with regard to the accommodations, lodging, goods, foods, vehicles and equipment need to be increased.

Establishment and development of the high standard holiday resorts with the health centers, Ayurveda Centers and swimming pools.

Developing the attractive places according to the requirement of the local and foreign tourists and explorers who come for the environmental and archaeological studies, is a reason for their long stay in the area. Therefore, it is proposed to improve the surrounding areas of the tanks of Anuradhapura with the required facilities and identify and develop the other direct and indirect facilities such as tourist bungalows, hotels, indigenous carnival activities.

Tree strips

The plant species that are suitable for the existing space of both side of the main road can be identified and used for this purpose. After zoning the city and selecting the different plant categories that ensure the identity of each zone, planting the trees in the way of highlighting the biodiversity is a reason for beauty of the city. Suitable plant verities for planting tree can be shown as follows. And also, the possible roads for tree planting can be summarized as follows. Development projects related to the road development activities should be implemented after selecting the systematic landscaping plan according to the urban development concepts. In the development of roads, proper landscape designs should be selected according to the city development concepts in road development and development projects should be implemented.

Possible roads for Tree planting

1. Mithrapala Senanayake road
2. Anuradhapura, Rambewa road
3. Anuradhapura Puttalam road
4. Priman Mawatha
5. Jayanthi Mawatha
6. Dharmapala Mawatha
7. Harischandra Mawatha
8. Airport Road
9. Bodh Gaya Mawatha

Suitable plants for tree planting Largescale Plants

01. Tamarindus indicus
02. Dialiumavoideum
03. Bombax ceiba
04. Mimosups indicus
05. Tamarindus indicus
06. Tamarindus
07. Cassia siamea
08. Sterculiafoetida
09. Berryacordifolia

Medium Size Plants

01. Azadirachtaindica
02. Cassine glauca
03. Albizialebbeck
04. Butea mosperma
05. Ponganiapinnata
06. Cassia roxburghii
07. Naucleaorientalis
08. Gmelina arborea
09. Cassine glauca
10. Erythrina variegate

Small scale Plants

01. Bauhinia tomentosa
02. Morinda tinctorial
03. Cochlospermumreligiosum
04. Cordia dichtoma
05. Aegle marmelos
06. Bauhinia racemose
07. Bauhinia variegate
08. Saracaindica
09. Hibiscus tiliceus
10. Phyllanthus acidus

Common Open Areas with Anuradhapura Urban Area

Table 16 Common Open Areas with Anuradhapura Urban Area

No	Type	Area (H)	Present Use	GN Division
	Pocket Park			
01	EPP1	0.1	Ground/ Mini Park	Step 2 - 1
02	EPP2	0.1	Ground/ Mini Park	Step 3 - 1
03	EPP3	0.1	Ground/ Mini Park	Step 3 - 3
	Mini Park			
04	EMP1	0.2	Ground/ Mini Park	Step 2-1
05	EMP2	0.3	Ground/ Mini Park	Step 2-1
06	EMP3	0.4	Ground/ Mini Park	Step 2–1
07	EMP4	0.5	Ground/ Mini Park	Step 2-1
08	EMP5	0.5	Ground/ Mini Park	Step 2-1
09	EMP6	0.6	Ground/ Mini Park	Step 2-4
10	EMP7	0.9	Ground/ Mini Park	Step 2-3
11	EMP8	0.5	Ground/ Mini Park	Step2-4
12	EMP9	0.8	Ground/ Mini Park	Step2-4
13	EMP10	0.3	Ground/ Mini Park	Step2-4
14	EMP11	0.2	Ground/ Mini Park	Step 3-2
15	EMP12	0.2	Ground/ Mini Park	Step 3-1
16	EMP13	0.3	Ground/ Mini Park	Step 3-1
17	EMP14	0.6	Ground/ Mini Park	Step 3-3
18	EMP15	0.6	Ground/ Mini Park	Devanampiyatissapura (Redevelopment)
19	EMP16	0.5	Ground/ Mini Park	Devanampiyatissapura (Redevelopment)
20	EMP17	0.7	Ground/ Mini Park	Step 1-1
21	EMP18	0.9	Ground/ Mini Park	Step 1-2

22	EMP19	0.4	Ground/ Mini Park	Step 1-2
23	EMP20	0.3	Ground/ Mini Park	Step 1-2
24	EMP21	0.6	Ground/ Mini Park	Step 2-2 Jayasiripura Ground
25	EMP22	0.3	Ground/ Mini Park	Step 2-2 Mini Ground
26	EMP23	0.7	Ground/ Mini Park	Wessagiriya
27	EMP20	0.4	Ground/ Mini Park	Step2-3
28	EMP25	0.7	Ground/ Mini Park	Step2-3
29	EMP26	0.3	Ground/ Mini Park	Thammannawa
30	EMP27	0.7	Ground/ Mini Park	WanniThammannawa
31	EMP28	0.8	Ground/ Mini Park	Wannikulama Step 06
32	EMP29	0.4	Ground/ Mini Park	Wannikulama Step 01
33	EMP30	0.8	Ground/ Mini Park	Wannikulama Step 03
34	EMP31	0.5	Ground/ Mini Park	RannamaleShawasthipura
35	EMP32	0.2	Ground/ Mini Park	Pothanegama
36	EMP33	0.4	Ground/ Mini Park	Pandulagama
37	EMP34	0.8	Ground/ Mini Park	Pandulagama
38	EMP35	0.9	Ground/ Mini Park	Abhayawewa
39	EMP36	0.4	Ground/ Mini Park	Henewatta
	Total	**18.6**		
Local Park				
40	ELP1	1.2	Ground	Step2-4
41	ELP2	1.7	Ground	Step2-4
42	ELP3		Ground	Step3-2
43	ELP4	1.6	Ground	Step3-2
44	ELP5	1.7	Ground	Step3-1
45	ELP6	2.7	Ground	Step3-3
46	ELP7	1.3	Ground	Abhayawewa
47	ELP8	1.5	Ground	Step2-1 Dadly Senanayake Mawata
48	ELP9	2.0	Ground	Step1-2 Salgadu Ground
49	ELP10	2.4	Ground	Wessagiriya

50	ELP11	1.1	Ground	Thammannawa
51	ELP12	1.1	Ground	Wanniyankulama
52	ELP13	1.1	Ground	Pandulagama
53	ELP14	1.2	Ground	Pandulagama
54	ELP15	1.6	Ground	Pandulagama
	Total	**22.2**		
Community Park				
55	ECP1	6.0	Park	Step1-1 WalisingheHarischandra Ground
56	ECP2	5.0	Ground	Public Ground
	Total	**11.0**		
	Total	**52.0**		

Source: Urban Development Authority – 2018

Table 17 Proposed Common Open Areas Plan for Anuradhapura Urban Area

No	Type	Area (H)	Proposed Use	GN Division
Proposed Pocket Park				
	PPP1	0.1	Pocket Park	Step 2-1
	PPP2	0.1	Pocket Park	Step 2 - 1
	PPP3	0.1	Pocket Park	Step 2 - 4
	PPP4	0.1	Pocket Park	Step 2 - 4
	PPP5	0.1	Pocket Park	Step 2 - 3
	PPP6	0.2	Pocket Park	Step 2 - 4
	PPP7	0.1	Pocket Park	Step 3 - 2
	PPP8	0.2	Pocket Park	Step 2 - 1
	PPP9	0.1	Pocket Park	Step 3 - 3
	PPP10	0.2	Pocket Park	Step 3 - 3
	PPP11	0.1	Pocket Park	Step 3 - 3
	PPP12	0.1	Pocket Park	Step 3 - 3
	PPP13	0.2	Pocket Park	ThisaWewa
	PPP14	0.1	Pocket Park	Step 2 - 3
	Total	1.9	Pocket Park	
Proposed Mini Park				
	PMP1	0.7	Mini Park	Step 2 - 1
	PMP2	0.2	Mini Park	Step 2 - 1
	PMP3	0.3	Mini Park	Step 2 - 1
	PMP4	0.2	Mini Park	Step 2 - 4
	PMP5	0.2	Mini Park	Step 2 - 4
	PMP6	0.3	Mini Park	Step 2 - 4
	PMP7	0.2	Mini Park	Step 3 - 1
	PMP8	0.2	Mini Park	Step 3 - 3
	PMP9	0.4	Mini Park	Step 3 - 1
	PMP10	0.4	Mini Park	Step 3 - 3
	PMP11	0.3	Mini Park	Step 3 - 3
	PMP12	0.2	Mini Park	Step 3 - 3

	PMP13	0.5	Mini Park	Step 2 - 2
	PMP14	0.4	Mini Park	Devanampiyatissapura
	PMP15	0.3	Mini Park	Step 2 - 2
	PMP16	0.2	Mini Park	Step 2 - 3
	PMP17	0.2	Mini Park	Step 2 - 3
	PMP18	0.3	Mini Park	Step 2 - 3
	PMP19	0.2	Mini Park	Step 2 - 3
	Total	**5.7**		
Proposed Local Parks				
	PLP1	1.3	Local Park	Dewanampiyatissapura
	Total	**5.7**		
Proposed Liner Parks (PLi.P)				
	PLiP1 MalwatuOya Reservation -60m	261.0	Liner Parks	
	PLiP2 Canal Reservation -20m	34.0	Liner Parks	
	PLiP3 Tank Reservation -50m	400.0	Liner Parks	
	PLiP4 Tank Reservation -5m	0.5	Liner Parks	Thammannawa
	PLiP5 Tank Reservation -5m	1.0	Liner Parks	Step 1 - 2
	PLiP6 Road Reservation -60m	3.4	Liner Parks	Police Rounder Bound and Both side of the Hospital road, Anuradhapura fair and Both side of the Dahaiyagama road
	Total	**699.9**		
	Total of All	**708.8**		

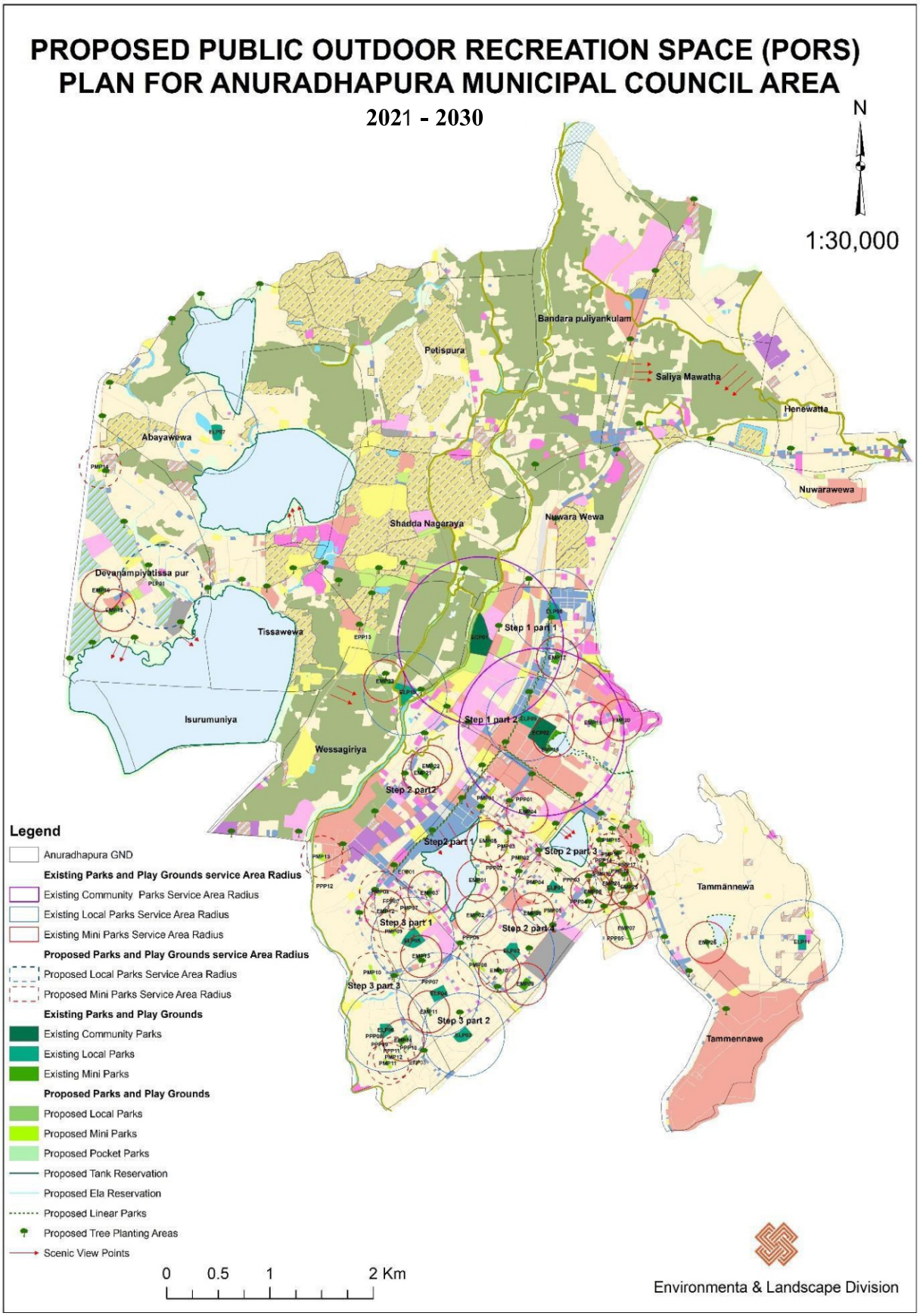
Source: Urban Development Authority – 2018

Table 18 Permissible Uses for Proposed Common Open Areas Plan of Anuradhapura Urban Area

No	Type of the Park	Area	Permissible Uses
01	Pocket Park	Below 0.2h (0.5 Acres)	• Scatted Ground Areas • Relaxing Area • Home Garden
02	Mini Park	Between 0.2- 1.0h (0.5 - 2.5 Acres)	• Ground for Children • Small Ground • Liner Forest Park • Relaxing Park
03	Local Park	Between 1.0 – 3.0h (2.5 – 7.5 Acres)	• Football ground with Children Park • …….place • Small Forest Park • ……..
04	Liner Park	Liner park decide according to existing reservation of Oya/ Canal/ Tanks	• Walking • For Exercise • Cycling • Natural lanes

Source: Urban Development Authority – 2018

Map 5 Public Out Door Open Spaces



Source: Urban Development Authority – 2020

6.7 Heritage management strategies

The sacred city of Anuradhapura is the main factor that intensifies the value and invincibility of Anuradhapura city. The sacred city which was identified as a strongest development potential by the urban development plan which is prepared for the Anuradhapura urban development area consists of 16000 acres' land extent adjoined and situated in the west of the Malwathu Oya which flows across the city.

The heritages belong to Anuradhapura urban area can be described 03 sections

1. Historical Buddhist heritage
2. related heritages to the irrigation civilization
3. Colonial heritages

it is aimed to properly manage these three heritages by the vision of "The capital city of the world Buddhist Heritages" which was developed for the Anuradhapura urban area and to promote the values and importance of the existing heritages of the urban area not only locally but also internationally.

In order to create this situation and to achieve the vision of the development plan, the goal of "to become an unforgettable city which was rich from the Buddhist heritages and cultures", highly contributes.

In here, the required strategies are formulated with the purpose of increasing the values of existing heritages of the area, increasing the attention of the public for the existing heritages of the area and eliciting the hidden heritages which are spread throughout area to the public.

These strategies can be described under the 3 sections

1. Conservation
2. Security
3. Re-use in the way of increasing the value

While the required actions are organized to open the 13 hidden places with archaeological value which are spread throughout the area to worship to the public by conserving them, the roads are created and developed to connect these places with other main places. The opportunity is created for people to obtain the relevant information accurately and easily by locating the information boards properly.

It will also provide the necessary facilities to secure and maintain the places where attention is highly paid by local and foreign people. In order to obtain the proper description and realization about these heritages, a center that can be obtained the all information about the heritages of Anuradhapura is established at the main place to enter into the old town. Through this initiation, this development plan provides the opportunities for people to enter into the sacred city with the proper realization and knowledge about the historicity of the Anuradhapura city.

And also, the development plan aims to incorporate the tourism industry into the economy of the city. For this purpose, while a tourist area has been identified through the zoning plan for providing the required services and facilities for local and foreign persons, it is aimed to develop a commercial area near to the main entrance of the sacred city and close proximity to the information and service center for purchasing the souvenirs and commemorative plaques that have been mentioned the values of the Anuradhapura city.

And also, under the Heritage Management strategies, the museums in the sacred city are improved by using modern technology. The special features of the culture such as the ancient heritages of Anuradhapura city, the irrigation technology and the life style of the ancient people are prepared in digital form to present to the local and foreign people. It is also proposed to develop the museums in the area to provide practical experience on the historical irrigation civilization and life of the civilian which are main heritages of the Anuradhapura.

While it is expected to enforce these laws and regulations to ensure proper management of these heritages, as the areas in which these heritages remain, are very sensitive areas, the required laws and regulations would be prepared to further preserve and secure these places. The required laws and regulations will be prepared to maintain the five visibility lines which create the possibility to see the Buddhist heritages when someone just enter into the city as well

as he is in the city. These five visibility lines will be maintained by limiting the heights of the building and as an objective to achieve the goal of "to become Anuradhapura city an unforgettable city which consists of Buddhist heritages", which is one of goals of the development plan.

While, under these heritage management strategies, required actions will be obtained to create the required land use patterns in urban area in order to generate over 800 employment opportunities related to the tourism industry, it is aimed to earn over Rs 1500 million from the tourism industry by 2030.

And also, the required actions will be obtained to create the better comfortable and safe environmental system in the urban area by avoiding the existing harmful torrid condition and specially to create a green pathway with greenery in connecting the sacred places and historical sites.

6.7.1 Functioning Projects prepared under Heritage Management Strategies

1. Prepare the border of the sacred by beautifying through the landscaping.

2. Establishment of an interpretative center that can be obtained the all information about sacred city by using the modern technology near the Bandaranaike Museum.

3. Landscaping and lighting the Sri Mahabodhi road and the road from Sinha Kanuwa junction to Sri Mahabodhiya by vegetation cover.

4. Developing and lightening the below said vehicle parks with the vegetation cover.

5. Developing and lightening the five vehicle parks near the Sri Mahabodiya, Ruwanwalisaya Vehicle Park, Mirisawatiya Vehicle Park, Vehicle Park near the Jethawanaramaya, Vehicle Park near the Thuparamaya, and Vehicle Park near the Abayagiriya by beatification by the vegetation cover.

6. Development of foot paths from Sri Mahabodhiya to Ruwanmalisaya and from Ruwanmalisaya to Thuparamaya by doing the landscaping, lightening and beautification by vegetation cover.

7. Development of a foot path from Ruwalasseeka to Jethawanaramaya and landscaping, lightening and beautification by vegetation cover.

8. Landscaping and lightening the archeological latrine system in front of the Ruwanwalisaya in order to increase the value of historical heritage.

9. Doing the Landscape and lightening in the archaeological Thuparama hospital near the Thuparamaya in order to display the majesty of proud history.
10. Fixing the notice boards with a plan including the historical facts in front of Ruwanmassiwa and Thuparamaya
    .
11. Development of the foot path linking the historical Thuparama hospital and connect it with the foot path which runs from Ruwanmaliya to Thuparama.

12. Develop a foot path with the purpose of eliciting the historical latrine system in front of the Ruwanwalisaya and connect it with the foot path which extends from Sri Mahabodiya to Ruwanwalisaya.

13. Construction of units with drinking water facilities and latrine and urinal facilities at all the vehicle parks to be developed.

14. Jethawanarama Museum
    Establishment of the digital museum to convey all the information about the places of Sri Mahabodiya, Ruwanwalisaya, Thuparamaya, Jethawanaramaya and its surrounding area, Lowamahapaya, historicala latrine and urinal system in front of the Ruwanwalisaya, Tuparama hospital and do landscape to increase the historical values in surrounding of the museum.

15. Landscaping and lightening the foot path from Jethawanaramaya to Jathawanarama Museum which is a portion of the foot path to be developed from Ruwanwalisaya to Jethawanaramaya

16. Develop the Public Museum and Archaeological Museum as the places where can be visited the historical irrigation technology, engineering technology and evolution of the historical settlements and where can be practically experimented these technologies and beautify the surrounding of these museums with the landscaping in the manner of increasing its' historical values.

17. Establishment of drinking water facilities and latrine and urinal facilities near the Public Museum and Archaeological Museum.

18. Create the interrelationship among the historical places such as Bisokotuwa, Sadakadapahana, RathnaPrasadaya, MahasenMaligaya, PrasadhaSthupaya, Thewana Samadhi Buddha Prathimawa, Dewana Samadhi Buddha Prathimawa, AthPokuna, iii WanaBodhigaraya, Uththara Mulaya in the manner of preserving the historical importance of these places by developing the foot path in installing the vegetation cover and by making the bicycle lanes.

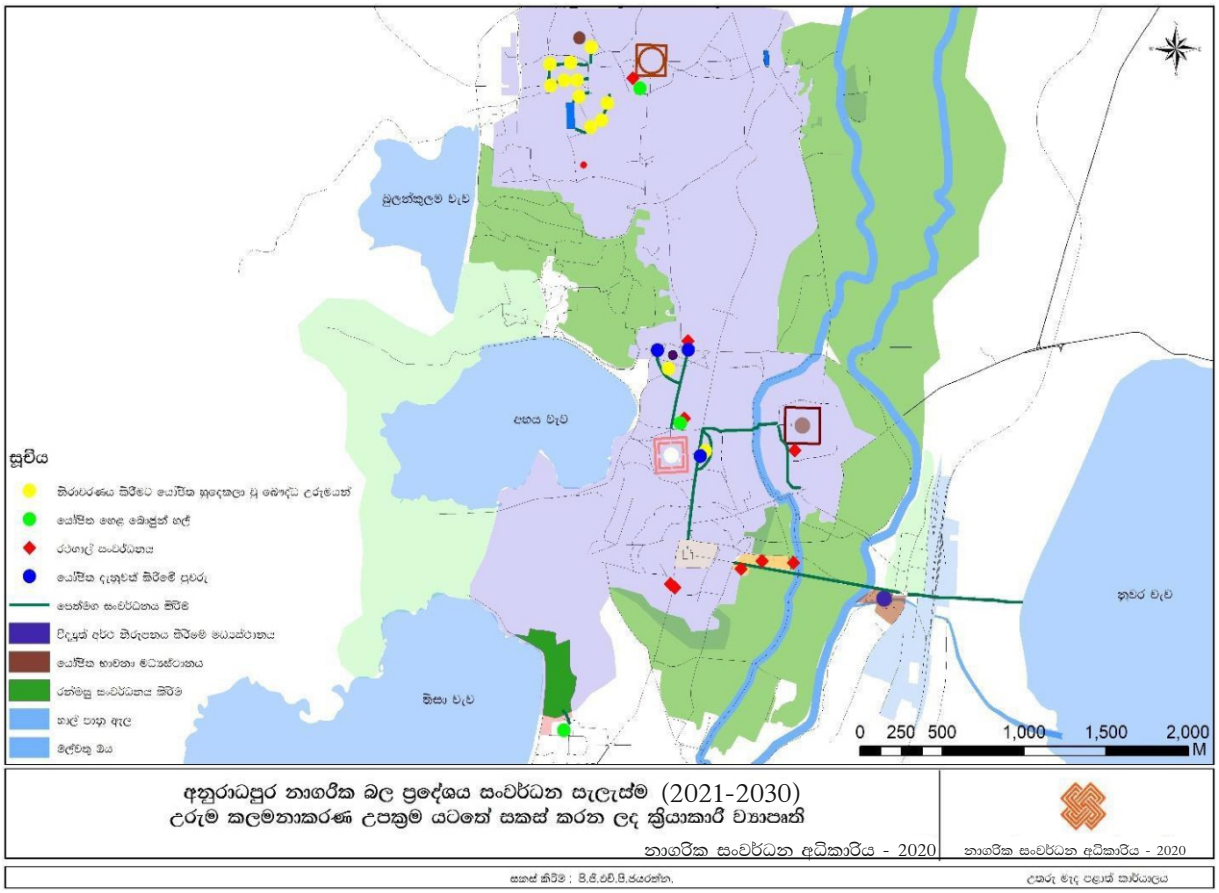
19. To create a meditation canter by utilizing the 100% natural environment for meditation purposes of the laymen and monks near to Abhayagiriy and Sadakadapahana.

20. Developing the Ranmuru Uyanaas a garden in order to preserve its historical value as well as increase the value of it and also irradiating the foot path from Ranmura garden to Isurumuniya by developing the vegetation cover.

21. Establishment of Hela Bojunsal near the vehicle parks of Ruwanweliseya, Isurumuniya, Abhayagiriya.

22. People who are in inner Sacred City relocate to Lolugahswewa Area

Map 6 Active projects under the Heritage Management Strategy



Source: Urban Development Authority – 2020

6.8 Implementation strategies

6.8.1 Strategic projects

Projects to be implemented at the first stage

1. Development and merger of transport centers
2. Development of Jayanthi Mawatha up to Jaffna road
3. Development of the canals and the proper identification of the cemeteries and provision of GC coordinates to the Urban Development Authority
4. Marking the boundaries of the sacred city boundary and granting the GPS coordinates to the Urban Development Authority
5. Creation of an interpretation center at the entrance to the sacred city
6. To expose the isolated Buddhist heritage to the people
7. In the sacred city, develop the moat
8. Preparation of Rain Water Drainage System

Projects to be implemented during the second stage.

1. Development of the first road from natureba road towards Haridagama junction
2. Development of byroads
3. Development of the Ponnaramkulama tank as a public rest area
4. Extension of the MalwathuOya Road
5. Development of parking lot at Pooja town
6. People who are in inner Sacred City relocate to Lolugahswewa Area

Projects to be implemented in stage three.

1. Development of Ranmushu garden
2. Establishment of Halawi Eating Utensils in Sacred City
3. A meditation center using the natural environment
4. Landscaping of museums.
5. Installation of Awareness Boards on the Road Network
6. Establishing guides in the sacred city
7. Development of mysteries in digital media

8 Development of drainage system

9 Construction of bicycle lanes in the sacred city.

6.8.1.1 Public Open Area Development Project at Ponnamkulama Wewa

Project Identification

Project Title	Public Open Area Development Project at PonnamkulamaWewa
Project	Optimum utilization of the Environmental Importance places of Anuradhapura City
Project Proposal	Development of the small abandoned tanks of the Anuradhapura city for utilizing for the recreational activities and as water retention areas during the occasional flood situations.

Project Location

Location	Province	North Central	District	Anuradhapura
	DS Division	NuwaragamPlatha East	LA	Anuradhapura MC
	North	East	South	West
	Housing Lands	Unauthorized Settlement	Based Hospital & Unauthorized Settlement	Dharmapala Mawatha
Access	Dharmapala Mawatha			

Location Map	

Adjacent Land Uses (explain with map)	Residential Areas and institutional buildings such as Based Hospital, Public Ground, Court and Ayurwedaya are located.

Project Justification

Project Type	New		Improvement	√	Extension		Land Development only	√					
	Conservation	Commercial	Landscape	Heritage	Housing	Relocation	Infrastructure						
			√				√						
Project Aspect	Environment	√	Economic	√	**Social**	√							
Project Objective	• Create a resting Places where the residents and tourist can spend their leisure time freely and conveniently. • Optimum utilization of the underutilized lands of Anuradhapura city • Establishment of temporary rain water retention area at Anuradhapura city • Increasing the natural beauty of Anuradhapura city • Increase the efficiency of real estate market in Anuradhapura												
Rational of project	Although sufficient land extent has been allocated in the land use for leisure and recreational facilities for the residents of the Anuradhapura city and foreign and local tourists, they have not been properly developed. On the other hand, as these lands have been encroached, different environmental issues are there due to the blockage of the water drainage system. The time period which is spent in the city by the local and foreign tourists, is very less due to the absence of the diversified places for the local and foreign tourists. The city had a relationship with the natural environment since the ancient time and now it is gradually declining. And also, this project expects to create the unforgettable memories in the local and foreign tourists about the city and make the regular arrival of them to the city and increase the time period they spend in the city. The project also aims to reduce the feeling temperature that increases due to the effects of the global warming.												

Property Description

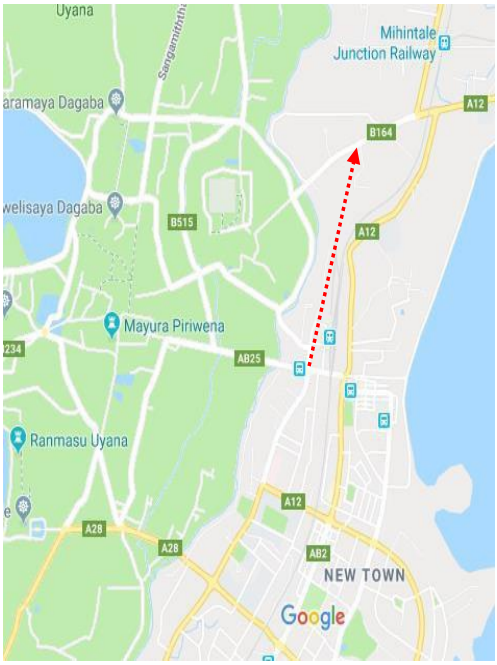
Present Land Ownership	Private			State	√	Other				
Free Encumbrances	Yes		No	√	If it is No,please specify	A part is blocked due to unauthorized constructions				
Details of the Ownership	The lands belong to the divisional secretary of NuwaragamPalatha East and the boundaries need to be identified Specifically.									
	Survey Plan No.		Name of the Surveyor		Date	Land Extent				
						……A	…R	…..P		

Project Description

Project Period	Short term (1 year)		Mid Term (1-3 year)		Long term (3 year)	√	Total Estimated Cost (Rs. Mn)	
Financing Method	UDA Funding							
Description of the Project (with map)	1. Development of lands 2. Tree Planting 3. Development of lanes and constructing the benches 4. Landscaping 							
Zone	Active Zone		compatibility with zoning regulations		Yes	√	No	

6.8.1.2 Development of Jayanthi Mawatha up to Jaffna unction Project Identification

Project Title	Development of Main Roads
Project	Developing and lightning the Jayanthi Mawatha and the road from Roundabout of SingheKanuwa to Jaffna Junction
Project Location Proposal	

Location	Province	North Central	District	Anuradhapura
	DS Division	NuwaragamPlatha East	LA	Anuradhapura MC
	North	East	South	West
	Agricultural Land	-	-	-
Access	Jayanthi Mawatha			
Location Map				

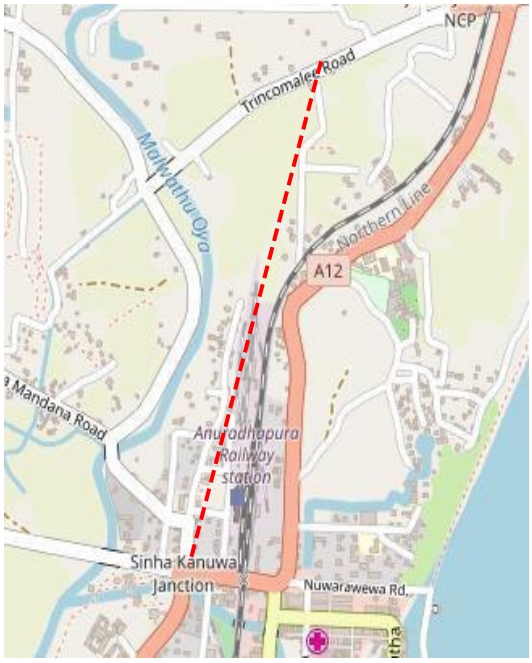
Project Justification

Project Type	New		Improvement		Extension	√	Land Development only					
	Conservation	Commercial	Landscape	Heritage	Housing	Relocation	Infrastructure					
							√					
Project Aspect	Environment	√	Economic		Social		√					
Project Objective	This project was proposed with the purpose of creating the easy access for the vehicles which are driven to the west across the town center. After the project, the vehicles can be driven directly across the city without entering to the town center.											
Rational of project	Anuradhapura is main capital of the north central province. The amount of people who arrives to the city from the different areas is about 160,000. It is expected that this amount would increase up to the 280,000 by 2030. Therefore, this project is implemented as an alternative for the long service transport network which travels across the city and obstruct to the daily functionality of the city. It is aimed to maintain the traveling speed of the vehicles on the main roads at the level of 25 per hour kilometers by 2030.											

Property Description

Present Land Ownership	Private			State	√	Other	√					
Free Encumbrances	Yes		No	√	If it is No, please specify							
Details of the Ownership	The Road Development Authority is acquiring the ownership of the land connected with this road.											
	Survey Plan No.	Name of the Surveyor	Date	Land Extent								
Survey Plan Detail				……A	…R	….P						
Adjacent Land Uses	Agricultural Lands and lands of railway department											

Project Description

<table>
<tr><td>Project Period</td><td colspan="2">Short term (1 year)</td><td></td><td>Mid Term (1-3 year)</td><td>√</td><td>Long term (3 year)</td><td></td><td>Total Estimated Cost (Rs. Mn)</td><td></td></tr>
<tr><td>Financing Method</td><td colspan="9"></td></tr>
<tr><td>Description of the Project (with map)</td><td colspan="9">1. Lighting both sides of the Road
2. Create of vegetation coverage both sides of the road

</td></tr>
<tr><td>Zone</td><td colspan="2"></td><td colspan="2">Zoning compatibility</td><td>Yes</td><td>√</td><td>No</td><td colspan="2"></td></tr>
</table>

6.8.1.3 Development Project of RanmasuUyana of Anuradhapura Project Identification

Project Title	Development Project of RanmasuUyana of Anuradhapura
Project	Direct the attention for proud history of Anuradhapura in developing the environmental beauty.
Project Project Location Proposal	Landscaping the project impact area, development of leisure and recreational places for leisure and recreational activities and make aware about the historical heritages.

Location	Province	North Central	District	Anuradhapura
	DS Division	NuwaragamPlatha Central	LA	Anuradhapura MC
	North	East	South	West
	Old Puttam Road	Agricultural Lands	Isurumuniya	ThisaWewa
Access	Near the Isurumuniyascared area			
Location Map				
Adjacent Land Uses (explain with map)	It is located between Old Puttlam Road, Isurumuniya Temple andThisaWewa bond			

Project Justification

Project Type	New	√	Improvement		Extension		Land Development only					
	Conservation	Commercial	Landscape	Heritage	Housing	Relocation	Infrastructure					
	√		√	√								
Project Aspect	Environment	√	Economic	√	Social	√						
Project Objective	Protect the historical heritages and make local and foreign tourists aware about these heritages. It is contributed to the economic growth of the of the urban development area through the development of the tourism industry.											
Rational of project	By developing the WanaRanmasuUyana, this proposed project aims to develop the hidden beautiful areas which consist of natural environmental features and therefore should be opened for the foreign and local tourists. This proposed project was identified under the strategies for cultural and heritage management of the conservation plan for archeological sites in order to develop the tourism industry and develop as an unforgettable place for immigrants by 2030 through the Anuradhapura urban development plan. This project expects the economic growth of the area through the development of physical and environmental aspects and the re-establishment of ancient environmental beauty.											

Property Description

Present Land Ownership	Private				State	√	Other			
Free Encumbrances	Yes		No	√	If No give details					
Details of the Ownership	Archeological Department									
	Survey Plan No.		Name of the Surveyor			Date	Land Extent			
							……A	…R	….P	

Project Description

Project Period	Short term (1> year)	√	Mid Term (1-3 year)		Long term (3< year)		Total Estimated Cost (Rs. Mn)	
Financing Method	Treasury Fund							
Description of the Project (with map)	This RanmasuUyana Development Project aims to prepare the relevant lands with the different types of grasses and to develop the foot paths by laying the stones, development of visiting places, development of areas by laying the sand and development of the places for rest. Further it is expected to reestablish the garden which exists in the pre historicalera by setting up the indigenous trees and flower bushes.							
Zone		Zoning compatibility		Yes	√	No		

Project Identification

Project Title	Heritage Management
Project	Development of Parking areas with facilities within the Sacred City (Drinking Water, Sanitation, street lamps and Landscaping)
Project Proposal	Development of existing parking facilities nearby the Sri MahaBodhiya, Ruwanweliseya, Thuparamaya, Jethawanaramaya, Mirisawetiya, Abhayagiriya

Project Location

History

While the king Mutaseewali discovered the RanmasuUyana in the period of 310-251 B.C, the history of This Begins form the pre historical era. This is a delightful place like royal garden which consists of the ponds, flower bushes, resting areas, arbors and stone seats. This was popular as Ranmasu Uyana because this place was dense with the gold Fishes. According to the definitions of the various scholars, there is a belief that the special stone slab which has a carved shape is a gateway between the earth and outer space.

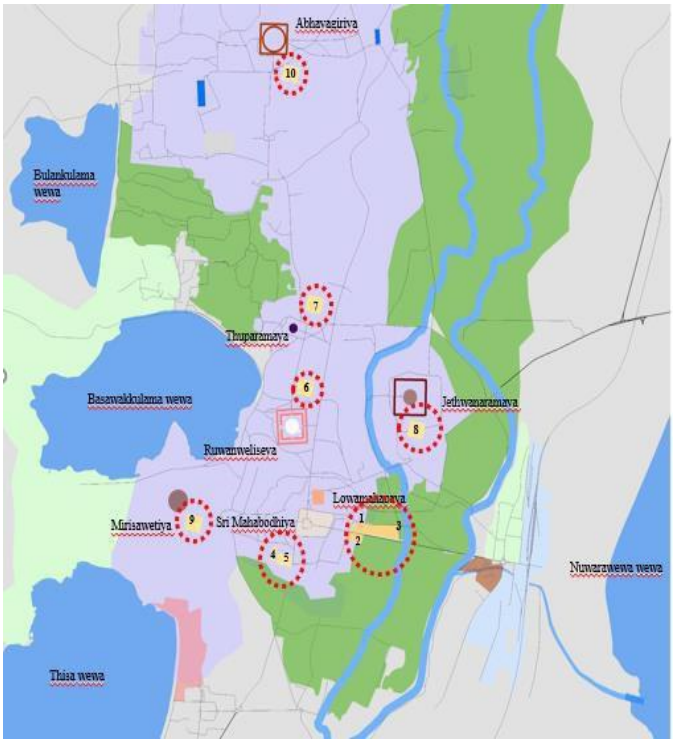
Existing Situation



Proposed Projects

1. Landscaping
2. Preparing the foot pathways with the vegetation coverage
3. Lightning

6.8.1.4 Development of Parking Areas with Facilities within Sacred City

Location	Province	North Central	District	Anuradhapura
	DS Division	NuwaragamPlatha Central	LA	Anuradhapura MC
Boundary	Boundary of the Sacred City			
Access	through the Sacred City			
Location Map				
Adjacent Land Uses (explain with map)	Archeological area			

Project Justification

Project Type	New		Improvement	√	Extension		Land Development only	

	Conservation	Commercial	Landscape	Heritage	Housing	Relocation	Infrastructure
							√

Project Aspect	Environment	√	Economic		Social	√
Project Objective	Provide the facilities for every person who comes to the scared city in convenient manner.					
Rational of project	The goals and objectives of the development plan					

Property Description

Present Land Ownership	Private		State		Other	√		
Free Encumbrances	Yes		No	√	If No give details			
Details of the Ownership								

	Survey Plan No.	Name of the Surveyor	Date	Land Extent		
				……A	……R	…..P

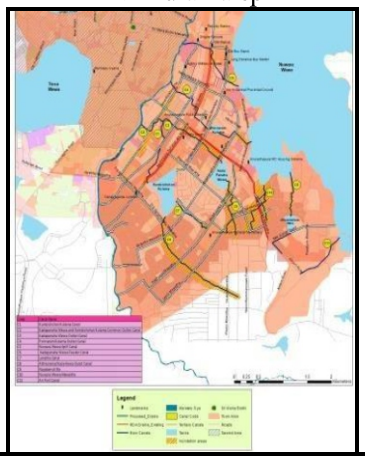
Project Description

Project Period	Short term (1> year)		Mid Term (1-3 year)	√	Long term (3< year)		Total Estimated Cost (Rs. Mn)	

Financing Method	Treasury Fund					
Description of the Project (with map)	Renovating the existing vehicle parking areas, drinking water facilities, sanitation facilities, street lamps for the devotees who comes to worshipthe popular holy places such as Udamaluwa, Tuparamaya, Jethawanaramaya, Mirisawatiya, Abayagirita in Anuradhapura scared city.					
Zone		Zoning compatibility	Yes	√	No	

6.8.1.5 Development project for rain water sewerage canal system

Project Identification

<table>
<tr><td>Project Title</td><td colspan="4">Development project for rain water sewerage canal system</td></tr>
<tr><td>Project</td><td colspan="4">Development of main canal system in Anuradhapura City</td></tr>
<tr><td>Project Proposal</td><td colspan="4">Control the periodically flood situation of the city through developing of main canal system in Anuradhapura City</td></tr>
<tr><td rowspan="4">Location</td><td>Province</td><td>North Central</td><td>District</td><td>Anuradhapura</td></tr>
<tr><td>DS Division</td><td>NuwaragamPlatha East</td><td>LA</td><td>Anuradhapura MC</td></tr>
<tr><td>North</td><td>East</td><td>South</td><td>West</td></tr>
<tr><td>-</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>Access</td><td colspan="4"></td></tr>
<tr><td></td><td colspan="4">Main Canals located center of the Anuradhapura city
Nuwara Wewaspill canal
Nayabedi Ela
Wanniyankulamaspill canal
Kanaththa Ela
Kubichchankulamaspill Canal
Ponnaramkulama spill
Anthikulama spill
</td></tr>
<tr><td>Adjacent Land Uses (explain with map)</td><td colspan="4">Residential, Commercial, Tourist activities</td></tr>
</table>

Project Justification

<table>
<tr><td>Project Type</td><td colspan="2">New</td><td>√</td><td colspan="2">Improvement</td><td></td><td>Extension</td><td></td><td colspan="3">Land Development only</td></tr>
<tr><td rowspan="2"></td><td>Conservation</td><td colspan="2">Commercial</td><td>Landscape</td><td>Heritage</td><td colspan="2">Housing</td><td>Relocation</td><td colspan="2">Infrastructure</td></tr>
<tr><td></td><td colspan="2"></td><td>√</td><td></td><td colspan="2"></td><td></td><td colspan="2">√</td></tr>
<tr><td>Project Aspect</td><td>Environment</td><td>√</td><td>Economic</td><td>√</td><td colspan="2">Social</td><td colspan="3">√</td></tr>
<tr><td>Project Objective</td><td colspan="10">• Control periodically flood condition in Anuradhapura City
• make the water flowing cannels of Anuradhapura as healthy places for the people
• directing the lands in underutilization for the optimum utilization
• increase the beauty of the nature in Anuradhapura city
• Marking the boundaries of canal reserves properly.</td></tr>
<tr><td>Rational of project</td><td colspan="10">The effects of the rapid urbanization of the Anuradhapura city has been a threat for small scale tanks and the drainage system in the town centre. The urban residents have to face to the flood situation and denguedisease because of absence of the proper development for this drainage system.</td></tr>
</table>

Property Description

Present Land Ownership	Private			State	√	Other		
Free Encumbrances	Yes		No	√	If No give details			

Details of the Ownership	The lands belong to the divisional secretary of NuwaragamPalatha East and the boundary need to be identified Specified					
	Survey Plan No.	Name of the Surveyor	Date	Land Extent		
				……A	……R	….. P

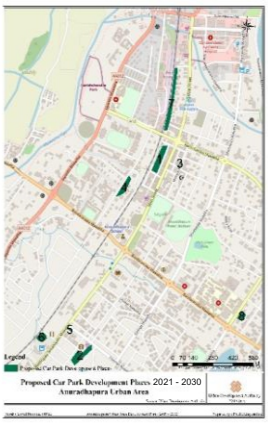
Project Description

<table>
<tr><td>Project Period</td><td>Short term (1> year)</td><td>√</td><td>Mid Term (1-3 year)</td><td></td><td>Long term (3< year)</td><td></td><td>Total Estimated Cost (Rs. Mn)</td><td></td></tr>
<tr><td>Financing Method</td><td colspan="8">Anuradhapura integrated urban development project / Anuradhapura MC</td></tr>
<tr><td>Description of the Project (with map)</td><td colspan="8">The effects of the rapid urbanization of the Anuradhapura city has been a threat for small scale tanks and the drainage system in the town centre. The urban residents have to face to the flood situation and dengue disease because of absence of the proper development and maintenance of this drainage system. Here, it is proposed to develop the canals and mark the boundaries of canal, Malwathu oya and tank reserves.
</td></tr>
<tr><td>Zone</td><td></td><td colspan="2">Zoning compatibility</td><td>Yes</td><td>√</td><td>No</td><td></td></tr>
</table>

6.8.1.6 Car Park Development Project at Anuradhapura Town Area.

Project Title	**Car Park Development Project at Anuradhapura Town Area**
Project	**Car Park Development.**
Project Proposal	Through car park development is aim to reduce traffic congestion in main roads and to reduce on street car parking on main roads.

Project Location

Location	Province	North Central	District	Anuradhapura
	DS Division	NuwaragamPlatha Central	LA	Anuradhapura MC
	North	East	South	West
Access				
Location Map	▪ Bank Town car Park development ▪ Car park Development at Public Fair ▪ Car park Development in-front of Hospital ▪ Carpark Development Closer to Widyala MW ▪ Carpark Development at the Beginning of Preeman MW ▪ Carpark Development at New Towa ▪ Carpark Development at Railway Reservation 			
Adjacent Land Uses (explain with map)	Residential, Commercial and Administrative			

Project Justification

Project Type	New	✓	Improvement		Extension		Land Development only					
	Conservation		Commercial		Landscape		Heritage		Housing	Relocation	Infrastructure	
											✓	
Project Aspect	Environment	✓		Economic	✓					Social	✓	

Project Objective	• Improve vehicular Parking Facilities in Anuradhapura Town • Reduce On Street Parking Facilities • Provide Facilities to improve Commercial Developments and its Uses
Rational of project	Making Smooth Vehicular flow in Town Area by providing Enough Vehicular Parking Facilities

Property Description

Present Land Ownership	Private		State	✓	Other		
Free Encumbrances	Yes		No	✓	If No give details	Road & Other Reservations	
Details of the	Anuradhapura Municipal Council, Railway Department, Anuradhapura Hospital etc.						

Ownership						
	Survey Plan No.	Name of the Surveyor	Date	Land Extent		
				A	R	P

Project Identification

Project Period	Short term (1> year)	√	Mid Term (1-3 year)		Long term (3< year)		Total Estimated Cost (Rs. Mn)	Short term (1> year)
Financing Method	Treasury Fund							

Description of the Project (with map)	By providing enough vehicular parking facilities, it is aim to that to reduce traffic congestion in the town and upgrade Commercial Development in the Town  					
Zone		Zoning compatibility	Yes	✓	No	

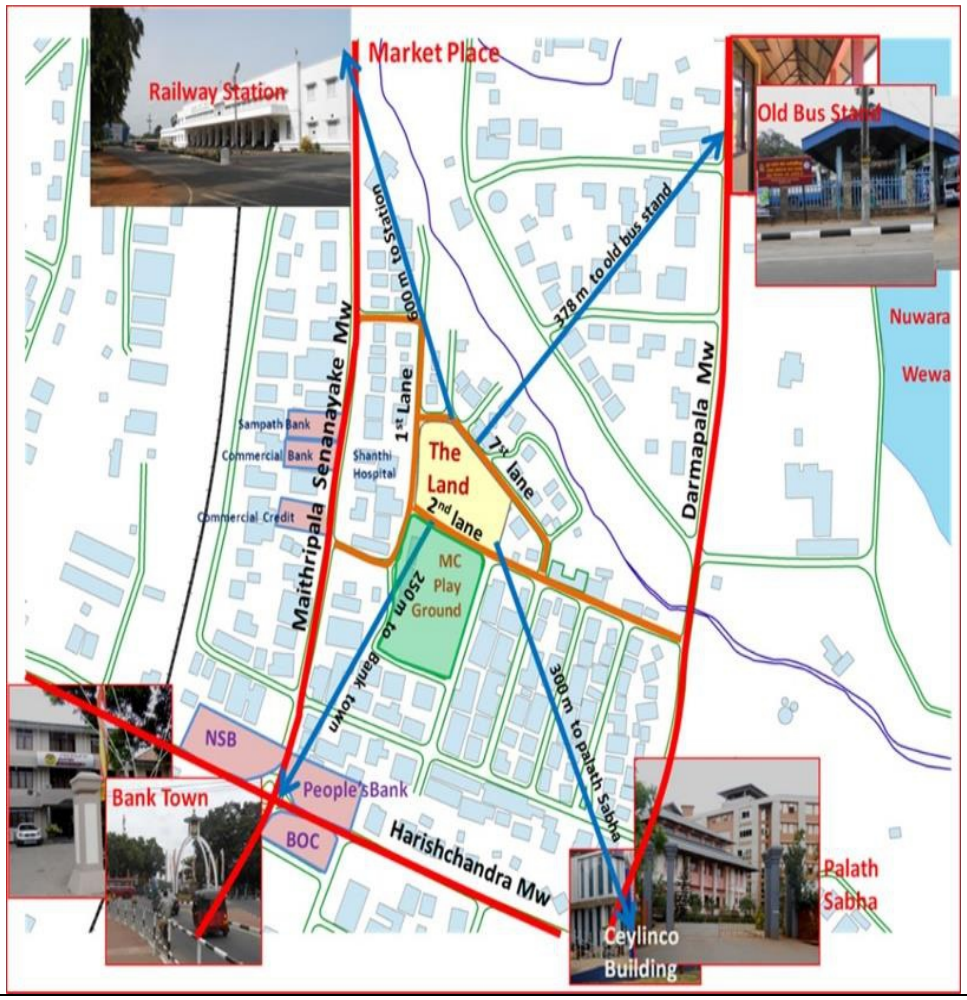
6.8.1.7 Middle Income Housing Development Project (Town center re development project - II Stage)

Project Identification

Project Title	**Middle Income Housing project at Anuradhapura (Town Centre Re-Development Project - Phase 11)**
Project	Construction of Middle Income Housing scheme with infrastructure facilities .
Project Proposal	Construction of Middle Income Housing scheme ,Development of Internal roads with essential recreational facilities.(Dedicated parking area for each Housing Unit, Gymnasium, Swimming Pool, Cafeteria & Laundry , Entertainment facilities , Emergency generator facilities for common area)

Project Location

Location	Province	North Central	District	Anuradhapura
	DS Division	NuwaragamPlatha East	LA	Anuradhapura MC
	North	East	South	West
	Abhaya Place 7th Lane	Archiologicle Quarters Building	Abhaya Place 2nd Lane	Abhaya Place 1st Lane
Access	The 2nd Block of Maithripala senanayake Mw.Three no. of main access for the land.			

Location Map	
Adjacent Land Uses (explain with map)	The site is surrounded by Shanthi Hospital, UC Quarters and a Playground at Abhaya Place,Stage 1, Anuradhapura.

Project Justification

<table>
<tr><td>Project Type</td><td>New</td><td>√</td><td>Improvement</td><td></td><td>Extension</td><td></td><td>Land Development only</td><td></td></tr>
<tr><td rowspan="2"></td><td>Conservation</td><td>Commercial</td><td>Landscape</td><td>Heritage</td><td>Housing</td><td>Relocation</td><td colspan="2">Infrastructure</td></tr>
<tr><td></td><td>√</td><td>√</td><td></td><td>√</td><td></td><td colspan="2">√</td></tr>
<tr><td>Project Aspect</td><td>Environment</td><td>√</td><td>Economic</td><td>√</td><td>Social</td><td colspan="3">√</td></tr>
<tr><td>Project Objective</td><td colspan="8">➢ Maximum utilization of the prime lands in the city limit & uplift the city economy by providing residential, Institutional & commercial spaces and job opportunities.
➢ Provision of habitable residential neighborhood for housing requirement.
➢ To make optimum use of lands in the city center and implementation of the proposed Anuradhapura town development plan</td></tr>
<tr><td>Rational of project</td><td colspan="8">According to the town development plan of 1947, the heart of the new town’s city center lands are owned by the few number of government institutions & their quarters. 40% of other lands are belongs to Archeological area & Secread city and irrigation department (Tanks ,Malwathuoya & other canals and their reservations)
According to the surveys conducted by the UDA North central provincial office, most of the government and semi government offices are located in out of the main accessibility of the city. Most of the government lands are occupied as government quarters, and all of them are in underutilized level. Due to above reason there are a few number of spaces in city center to fulfill the other essential government institutions, residential requirements & the mega commercial activities. Due to this reasons the land price of the city center is increasing day to day & Increasing of unauthorized constructions and change of use of buildings .
To fulfill the above requirements the Urban Development Authority (UDA) has proposed to " Middle Income Housing project at Anuradhapura " according to the strategies for social and physical infrastructure development through the Anuradhapura urban development plan.</td></tr>
</table>

Property Description

Present Land Ownership	Private				State		Other	√		
Free Encumbrances	Yes		No	√	If No give details					
Details of the Ownership	Urban Development Authority									
	Survey Plan No.		Name of the Surveyor		Date		Land Extent			
	4589		P.M.Sunil		2018/07/16		1A	1R	2.95P	

Project Description

Project Period	Short term (1> year)	√	Mid Term (1-3 year)		Long term (3< year)		Total Estimated Cost (Rs. Mn)	
Financing Method	Treasury Fund							
Description of the Project (with map)	This Middle Income Housing project aims to fulfill the housing requirement with necessary infrastructure facilities for the Government & Semi government servants, .local commuters, residents & other people .							
Zone		Zoning compatibility		Yes	√	No		

6.8.1.8 Wanniyamkulama Wewa (Kada 50 Wewa) Development Project.

Project Identification

Project Title	Wanniyamkulama Wewa (Kada 50 Wewa) Development Project.
Project	Wanniyamkulama Wewa Landscape & Recreational Development Project.
Project Proposal	Landscape and Recreational development Project at Ponnaramkulama Wewa.

Project Location

Location	Province	North Central	District	Anuradhapura
	DS Division	NuwaragamPlatha East	LA	Municipal Council
	North	East	South	West
Access	Bulankulama Disa Mawatha			
Location Map				
Adjacent Land Uses (explain with map)	The surrounding Area Developed with Mixed Development.			

Project Justification

Project Type	New	√	Improvement		Extension		Land Development only					
	Conservation	Commercial	Landscape	Heritage	Housing	Relocation	Infrastructure					
			✓			✓	√					
Project Aspect	Environment	√	Economic	√	Social	√						
Project Objective	1. Landscape Development around Wanniyamkulama Wewa (Kada 50 Wewa) 2. Recreational facilities Development around Wanniyamkulama Wewa (Kada 50 Wewa) 3. Remove Unauthorized Constructions around Wanniyamkulama Wewa (Kada 50 Wewa)											
Rational of project	Wanniyamkulama wewa is one of the attractive main tank in Anuradhapura town area. At the same time considerable residential clusters, Commercial uses and mixed Development uses are very closer to this tank. To more value to those developments this tank and its surrounding area can be developed very attractive manner. As a result of that more people can use this area as they wish in relating to recreational activities. As well as there are more unauthorized constructions were happened closer to the tank. Not only that some people were reclamation tank. By this project is aim to prevent such kind of illegal activates and to add more values to surrounding land uses.											

Property Description

Present Land Ownership	Private				State	√	Other				
Free Encumbrances	Yes		No	✓	If No give details	Unauthorized Constructions					
Details of the Ownership	Irrigation Department										
	Survey Plan No.		Name of the Surveyor			Date	Land Extent				
							……A	…R	P		

Project Description

Project Period	Short term (1> year)		Mid Term (1-3 year)	√	Long term (3< year)		Total Estimated Cost (Rs. Mn)	

Proposed Projects 1. Landscaping 2. Recreational facilities developments 3. Remove Unauthorized Constructions						
Financing Method	Treasury Fund					
Description of the Project (with map)	1. Landscape Development around Wanniyamkulama Wewa (Kada 50 Wewa) 2. Recreational facilities Development around Wanniyamkulama Wewa (Kada 50 Wewa) 3. Remove Unauthorized Constructions around Wanniyamkulama Wewa (Kada 50 Wewa)					
Zone	Control Zone	Zoning compatibility	Yes	√	No	

6.8.1.9 Kumbichchankulama Wewa Road Development Project.

Project Title	Kumbichchankulama Wewa road Development project.
Project	Kumbichchankulama Wewa road Development
Project Proposal	Land use which are closer to Kumbichchankulama wewa convert to Tourism Development Developments.

Project Location

Location	**Province**	North Central	**District**	Anuradhapura
	Divisional Secretariat Office	Nuwaragam Palatha east	**Local Authority**	Anuradhapura Municipal Council
	North	East	South	West
	Preeman Mawatha		Maithripala Senanayaka MW	
Access	Preeman MW & Maithripala Senanayake MW			
Location Map				
Adjacent Land Uses	Industrial, Commercial,			

Project Justification

Project Type	New		Improvment		Extension ✓		Land Development only					
Project Category	Conservation		Commercial		Landscape		Heritage	Housing	Relocation		Infrastructure	
											✓	
Project Aspect	Environment	✓		Economic	✓				Social		✓	

Project Objective	• Lands which are closer to Kumbichchankulama Tank, using for optimum Dewvelopments • Land uses which are closer to Kumbichchankulama , convert to Tourism Development • Connect Maithripala Senanayaka Mw & Preeman Mw each other
Rational of project	Land uses which are closer to Kumbichchankulama , convert to Tourism Development , Connect Maithripala Senanayaka Mw & Preeman Mw each other

Property Description

Present Land Ownership	Private				Government	✓		Other				
Free Encumbrances	Yes			No	✓		If not, Details		Unauthorized Constructions			
Details of the Ownership	Municipal Council - Anuradhapura											
	Survey Plan No			Name of the Surveyor			Date	Land Extent				
								A		R		P

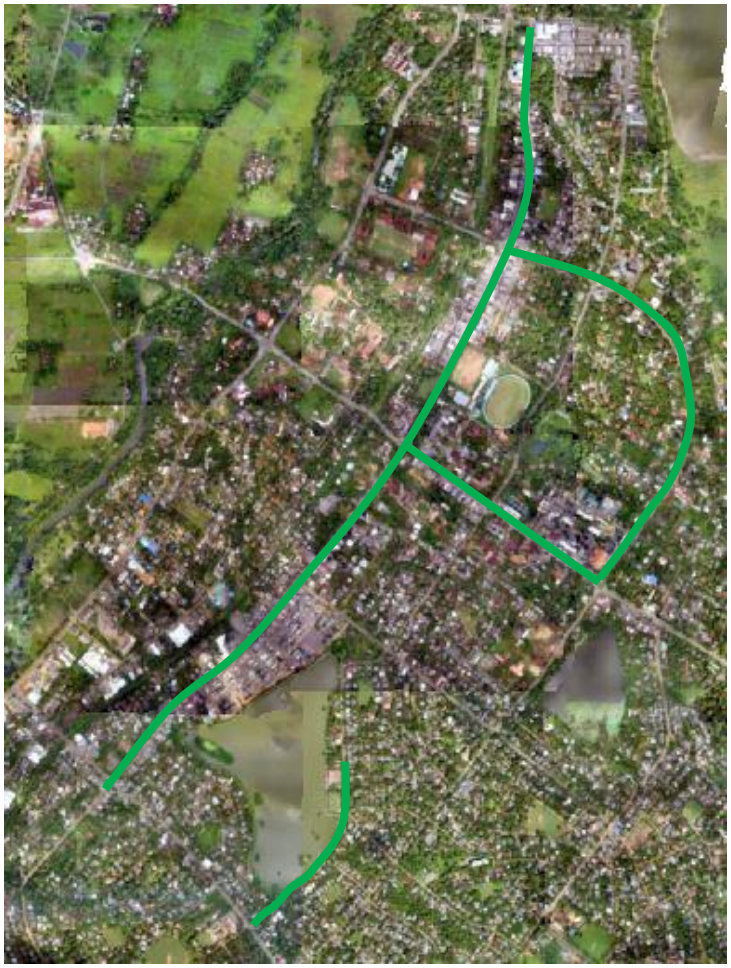
Project Description

<table>
<tr><td>Project Period</td><td>Short term (1> year)</td><td>✓</td><td>Mid Term (1-3 year)</td><td></td><td>Long term (3< year)</td><td></td><td>Total Estimated Cost (Rs. Mn)</td><td>Mn</td></tr>
<tr><td>Financing Method</td><td colspan="8">Treasury Fund</td></tr>
<tr><td>Description of the Project (with map)</td><td colspan="8">Arrange Smooth Vehicular Movement in Anuradhapura Town Area and land uses convert to their Optimum Uses
</td></tr>
<tr><td>Zone</td><td colspan="3"></td><td colspan="2">Zoning compatibility</td><td>Yes √</td><td>No</td><td></td></tr>
</table>

6.8.1.10 Main Street Landscape Project

Project Title	Main Street Landscape Project
Project	Main Street Landscape
Project Proposal	Arrange comfortable streets for predestines by landscaping Main streets

Project Location

Location	Province	North Central	District	Anuradhapura
	DS Division	NuwaragamPlatha East	LA	Anuradhapura MC
	North	East	South	West
Access	Maithripala Senanayaka MW, Bandaranayaka , Semasinghe MW & Harischandra MW			
Location Map				
Adjacent Land Uses	Residential, Administrative, Commercial,			

Project Justification

Project Type	New		✓	Improvement		Extension		Land Development only				
	Conservation		Commercial		Landscape		Heritage	Housing		Relocation		Infrastructure
					✓						✓	
Project Aspect	Environment		✓		Economic	✓				Social	✓	

Project Objective	• Develop Safe & Comfortable pedestrian Paths for Pedestrians • Reduce temperature level in Main Streets • Develop Main Streets with Green Coverage.
Rational of project	Arrange Comfortable Environment for Pedestrians in Town Area

Property Description

Present Land Ownership	Private				Government	✓		other		
Free Encumbrances	Yes		✓	No		If not, Details				
Details of the Ownership	Road Development Authority, Municipal Council - Anuradhapura									
	Survey Plan No.		Name of the Surveyor		Date	Land Extent				
						A	R	P		

Project Description

<table>
<tr><td>Project Period</td><td colspan="2">Short term (1> year))</td><td>✓</td><td>Mid Term (1-3 year)</td><td></td><td>Long term (3< year)</td><td></td><td>Total Estimated Cost (Rs. Mn)</td><td>Mn</td></tr>
<tr><td>Financing Method</td><td colspan="9">Treasury Fund</td></tr>
<tr><td>Description of the Project (with map)</td><td colspan="9">Reduce Temperature level in Town and Make Comfortable Environment for Pedestrians
</td></tr>
<tr><td>Zone</td><td colspan="3"></td><td colspan="2">Zoning compatibility</td><td>Yes</td><td>✓</td><td>No</td><td></td></tr>
</table>

6.8.1.11 Proposed Multipurpose Building at Nuwaragam Palatha Central- Pandulagama

Project Identification

Project Title	Multipurpose Building at Nuwaragam Palatha Central-Pandulagama
Project	To facilitate public gathering place and facilitate for employees and residents within surrounding area.
Project Proposal	To providing a meeting hall , Day care and Montessori for public, employees and residents.

Project Location

Location	Province	North Central	District	Anuradhapura
	DS Division	NuwaragamPlatha Central	LA	Nuwaragam Palatha Central
	North	East	South	West
Access	Pandulagama – Gamudawa Road			
Location Map				
Adjacent Land Uses (explain with map)	The surrounding Area Developed with Mixed Development.			

Project Justification

Project Type	New	√	Improvement		Extension		Land Development only					
	Conservation	Commercial	Landscape	Heritage	Housing	Relocation	Infrastructure					
							√					
Project Aspect	Environment	√	Economic	√	Social	√						
Project Objective	i To upgrade the living standard of the residents. ii To facilitate public gathering place.											
Rational of project	The Pandulagama has been developed as a major nodal point with commercial and administrative functions and 3 Km away from Anuradhapura Town. The main land uses of the area are administrative functions and daily commuters to this area is more than 1000 people per day. Even though the center has developed with commercial, residential and administrative functions, there were no facilities providing within 1 Km from surrounding area. The project envisages the development of multipurpose building with facilitate for the day care center, Montisorori and meeting hall for the residential population in the area.											

Property Description

Present Land Ownership	Private				State	√	Other				
Free Encumbrances	Yes	√	No		If No give details						
Details of the Ownership	Nuwaragam Palatha Central Pradashiya Sabha										
	Survey Plan No.		Name of the Surveyor			Date	Land Extent				
							……A	…R	40P		

Project Description

Project Period	Short term (1> year)		Mid Term (1-3 year)	√	Long term (3< year)		Total Estimated Cost (Rs. Mn)	80.0
Financing Method	Treasury Fund							
Description of the Project (with map)	The project envisages the development of Multipurpose Building with facilitate for a Day Care Center, montisory and Meeting hall for the residential population in the area.							
Zone	Control Zone	Zoning compatibility		Yes	√	No		

6.8.1.12 Ponnaramkulama Wewa Road Development Project

Project Title	Ponnaramkulama Wewa Road Development Project
Project	Ponnaramkulama Wewa Road Development
Project Proposal	By developing Ponnaramkulama road, is aiming to prevent unauthorized Constructions happening closer to tank. At the same time this also aiming, more attention to the tank from residencies and commuters. On the other hand, this development will be provided easy access to the Hospital

Project Location

Location	Province	North Central	District	Anuradhapura
	DS Division	NuwaragamPlatha East	LA	Anuradhapura MC
	North	East	South	West
		Dharmapala MW		Harischandra MW
Access	Harischandra Mw & Dharmapala MW			
Location Map				
Adjacent Land Uses	Residential, Administrative			

Project Justification

Project Type	New	✓	Improvement		Extension		Land Development only						
Project Category	Conservation		Commercial		Landscape		Heritage		Housing		Relocation		Infrastructure
												✓	
Project Aspect	Environment			Economic	✓						Social	✓	

Project Objective	• Interconnected teaching Hospital and road network in MC Area. • Prevent Unauthorized construction happening closer to Ponnaramkulama Tank • Improve attention on people for Ponnaramkulama Tank • Develop Ponnaramkulama tank as water front public space
Rational of project	Interconnected road Network and Teaching Hospital in the Area and, this also aiming to maintain smooth vehicular floor in the Town area. As well as developing this tank area is aiming to prevent unauthorized constructions which re happening closer to Ponnaramkulama Tank.

Property Description

Present Land Ownership	Private				Government	✓	other				
Free Encumbrances	Yes		No	✓	If not, Details	Unauthorized Constructions					
Details of the Ownership	Municipal Council - Anuradhapura										
	Survey Plan No.		Name of the Surveyor		Date	Land Extent					
						A	R	P			

Project Description

Project Period	Short term (1> year))	✓	Mid Term (1-3 year)		Long term (3< year)		Total Estimated Cost (Rs. Mn)	Mn
Financing Method	Treasury Fund							

Description of the Project (with map)	Interconnected road Network and Teaching Hospital in the Area and, this also aiming to maintain smooth vehicular floor in the Town area. As well as developing this tank area is aiming to prevent unauthorized constructions which re happening closer to Ponnaramkulama Tank.					
Zone		Zoning compatibility	Yes	✓	No	

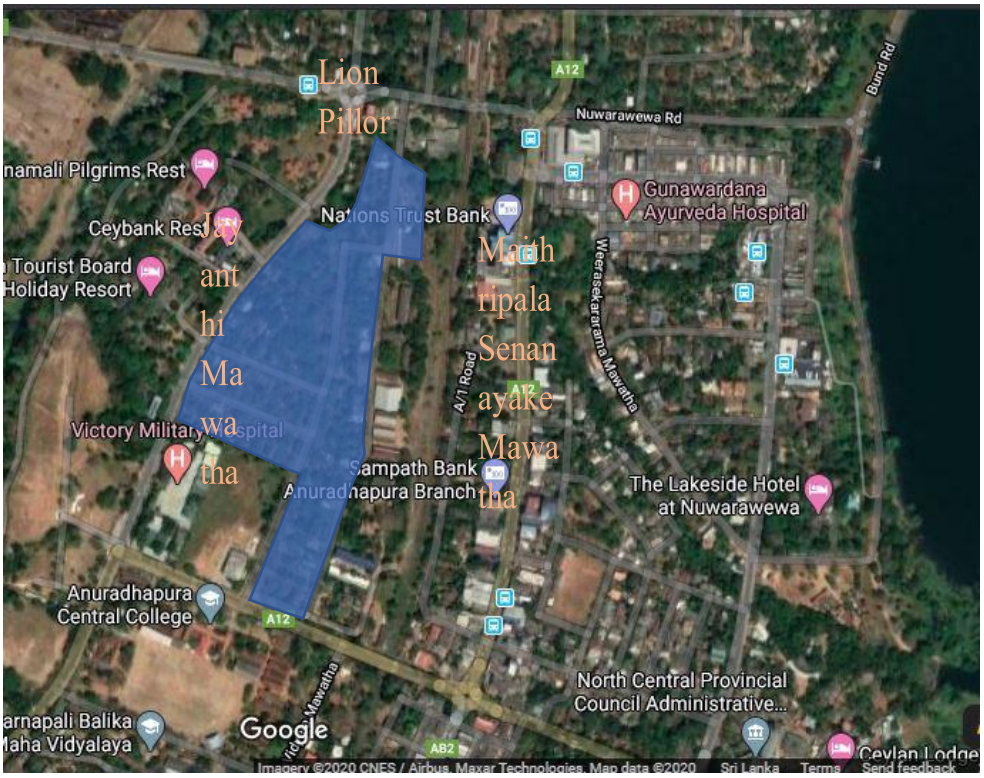
6.8.1.13 Railway land Re-generation Project at Jayanthi Mawatha, Anuradhapura.

Project Identification

Project Title	**Railway land Re-generation Project at Jayanthi Mawatha, Anuradhapura .**
Project	Construction of Middle Income Luxury Housing/Educational Development/Tourism Development at Jayanthi Mawatha, Anuradhapura .
Project Proposal	➢ Construction of Middle Income Luxury Housing scheme & Relocation of existing quarters/Educational Development/Tourism Development. ➢ Development of Internal roads with recreational facilities. ➢ Dedicating parking area for each apartment. ➢ Development of Gymnasium, Swimming Pool, Cafeteria & other entertainment facilities

Project Location

Location	Province	North Central	District	Anuradhapura
	DS Division	NuwaragamPlatha East	LA	Anuradhapura MC
	North	East	South	West
	Temple & Commercial Lands	Senanayake Stores	Viktory Miltory Hospital	Jayanthi Mawatha
Access	The 1st Block of Jayanthi Mawatha,. Three no. of main access - From Jayanthi mawatha,Sri Maha Bhodhi mawatha & Harischandra mawatha.			

Location Map	
Adjacent Land Uses (explain with map)	The site is surrounded by Jayanthi Mawatha, Lion Pallor junction ,Harischandra mawatha & Victory military hospital at Stage 1 , Anuradhapura.

Project Justification

<table>
<tr><td>Project Type</td><td>New</td><td>√</td><td>Improvement</td><td>√</td><td>Extension</td><td></td><td>Land Development only</td><td></td></tr>
<tr><td rowspan="2"></td><td>Conservation</td><td>Commercial</td><td>Landscape</td><td>Heritage</td><td>Housing</td><td>Relocation</td><td colspan="2">Infrastructure</td></tr>
<tr><td></td><td>√</td><td>√</td><td></td><td>√</td><td>√</td><td colspan="2">√</td></tr>
<tr><td>Project Aspect</td><td>Environment</td><td>√</td><td>Economic</td><td>√</td><td>Social</td><td colspan="3">√</td></tr>
<tr><td>Project Objectives</td><td colspan="8">➢ Maximum utilization of the prime lands in the city limit & uplift the city economy by providing residential, Institutional & commercial spaces and job opportunities.
➢ Provision of habitable residential neighborhood for government servants & luxury housing requirement.
➢ To make optimum use of lands in the city center and implementation of the proposed Anuradhapura town development plan
➢ To control the unauthorized constructions in the town area.</td></tr>
<tr><td>Rational of project</td><td colspan="8">According to the year 1947 plan most of the lands in the city center were reserved for government quarters and presently these lands are in sub optimum condition. So Anuradhapura new town consist with more than 60 years dilapidated government quarters buildings in underutilized lands which are not properly maintain & used. For example there are most of lands owned by CGR, Archeological , Agriculture, Secretariat, Police & Prison Department. Non-availability of suitable lands for commercial activities and non efficiency of lands in property market. Due to this reason the land price of the city center is increasing day to day & Increasing of unauthorized constructions and change of use of buildings .
To fulfill the above requirements the Urban Development Authority has proposed to " Railway land Re-generation Project " according to the strategies for social and physical infrastructure development through the Anuradhapura urban development plan.</td></tr>
</table>

Property Description

Present Land Ownership	Private			State	√	Other				
Free Encumbrances	Yes		No	√	If No give details					
Details of the Ownership	Department of Railway									
	Survey Plan No.		Name of the Surveyor		Date	Land Extent (Approx.)				
						21A	0R	0P		

Project Description

Project Period	Short term (1> year)		Mid Term (1-3 year)		Long term (3< year)	√	Total Estimated Cost (Rs. Mn)			
Financing Method	Treasury Fund									
Description of the Project (with map)	This Regeneration project aims to fulfill the Luxury housing requirement, with necessary infrastructure facilities for the Government & Semi government servants, .local commuters, residents & other people .									
Zone		Zoning compatibility		Yes	√	No				

6.8.2 Projects and Relevant Institutions

Projects to be implemented in the urban area in order to achieve Vision in Anuradhapura City and relevant institutes are given below.

Table 19 Projects and Relevant Institutions

No	Development project	Relevant Institute	Responsibility
01	Integrated development for the transport Center	Municipal Council, railway department, Urban Development Authority, Strategic Cities development project	Financial Allocation and Project Implementation
02	Development of Inner Roads	Relevant Lo al Authority	Financial Allocation and Project Implementation
03	Development of Jayanthi Mw up to Yapanaya Junction	Road development Authority	Financial Allocation and Projct Implementation
04	Development of the playground road across the road behind the nature park up to the Harischandra road as two lanes roads.	Municipal Council	Financial Allocation and Project Implementation
05	Extension of Malwathu Oya Road	Relevant Local Authority	Financial Allocation and Project Implementation
06	Establishment of boards which make aware about the road system	Municipal Council	Financial Allocation and Project Implementation
07	Opening the isolated Buddhist Heritages in Sacred City for the Public by Landscaping Them	Archeological Department, Central Cultural Fund, Urban development Authority	Financial Allocation and Projct Implementation
08	Constructions of "Hela Bojun Hal" with in Sacred City	Archeological Department, Central Cultural Fund, Urban development Authority	Financial Allocation and Project Implementation

09	Development of parking Places within Sacred City	Archeological Department, Central Cultural Fund, Urban Development Authority	Financial Allocation and Project Implementation
10	Establishment of Sign Boards in Sacred City	Archeological Department, Central Cultural Fund	Financial Allocation and Project Implementation
11	Development of Foot Paths in Sacred City	Archeological Department, Central Cultural Fund	Financial Allocation and Project Implementation
12	Development of Canals and Mark the reservation on the Ground and giving GPS point of those reservations to the Urban Development Authority	Irrigation Department,Urban Development Authority, provincial irrigating Department, Municipal Council	Financial Allocation and Project Implementation
13	Preparation of Rain water Sewerage System	Municipal Council	Financial Allocation and Project Implementation
14	Mark Boundaries of the sacred city and give GPS points the UDA	Archeological Department, Central Cultural Fund, Urban Development Authority	Financial Allocation and Project Implementation
15	Ponnaramkulama wewa Development as Common rest Area	Urban Development Authority	Financial Allocation and Project Implementation
16	Development of Museum using Digital Form	Archeological Department , Central cultural Fund	Financial Allocation and Project Implementation
17	Establishment of the information Center at the entrance of the Sacred City	Archeological Department , Central cultural Fund, irrigating Department, Municipal Council ,Urban Development Authority, Strategic Cities development project	Financial Allocation and Project Implementation
18	Establishment of Meditation Center in the Sacred City by using the Natural Environment	Archeological Department, Central cultural Fund, Urban Development Authority.	Financial Allocation and Project Implementation

19	Ranmasu Uyana Development	Archeological Department, Central cultural Fund, Urban Development Authority.	Financial Allocation and Project Implementation
20	Develop Bicycle lane in Sacred City	Archeological Department, Central cultural Fund, Urban Development Authority, Strategic Cities Development Project	Financial Allocation and Project Implementation
21	Landscaping the premises of the Museum in Sacred City	Archeological Department, Central cultural Fund, Urban Development Authority,	Financial Allocation and Project Implementation
22	Development of Sewerage system	Municipal Council , National Water supply and Drainage Board	Financial Allocation and Project Implementation
23	Town Center redevelopment Project	Urban Development Authority	Financial Allocation and Project Implementation
24	Hospital Developments	Health Department	Financial Allocation and Project Implementation
25	Schools development	Education department	Financial Allocation and Project Implementation
26	Singhe kanuwa Landscaping project	Strategic Cities development Project	Financial Allocation and Project Implementation
27	Develop Public Space at Main Railway Station	Strategic Cities development Project	Financial Allocation and Project Implementation
28	Public fair Development	Strategic Cities development Project	Financial Allocation and Project Implementation
29	Dharmapala Mawatha redevelopment Project	Strategic Cities development Project	Financial Allocation and Project Implementation

30	Maitripala Senanayake mawatha and Bandaranayake Mawatha Development Project	Strategic Cities development Project	Financial Allocation and Project Implementation
31	Develop Folk museum and Archeological Museum to get Practical understand about Ancient irrigation system,	Archeological Department, Central cultural Fund, Urban Development Authority,	Financial Allocation and Project Implementation
32	Develop a road from panduloagama to Saliyapura via Galpalama and develop Bridges	Archeological Department, Central cultural Fund and relevant local Authority	Financial Allocation and Project Implementation
33	Develop Entrance Gates of places which are provide access to the City	relevant local Authority	Financial Allocation and Project Implementation
34	Develop Sanitary system in Urban Area	relevant local Authority	Financial Allocation and Project Implementation
35	Develop day Cares and Gardens	relevant local Authority	Financial Allocation and Project Implementation

PART II

Chapter 07

Development Zones and Zoning Guidelines

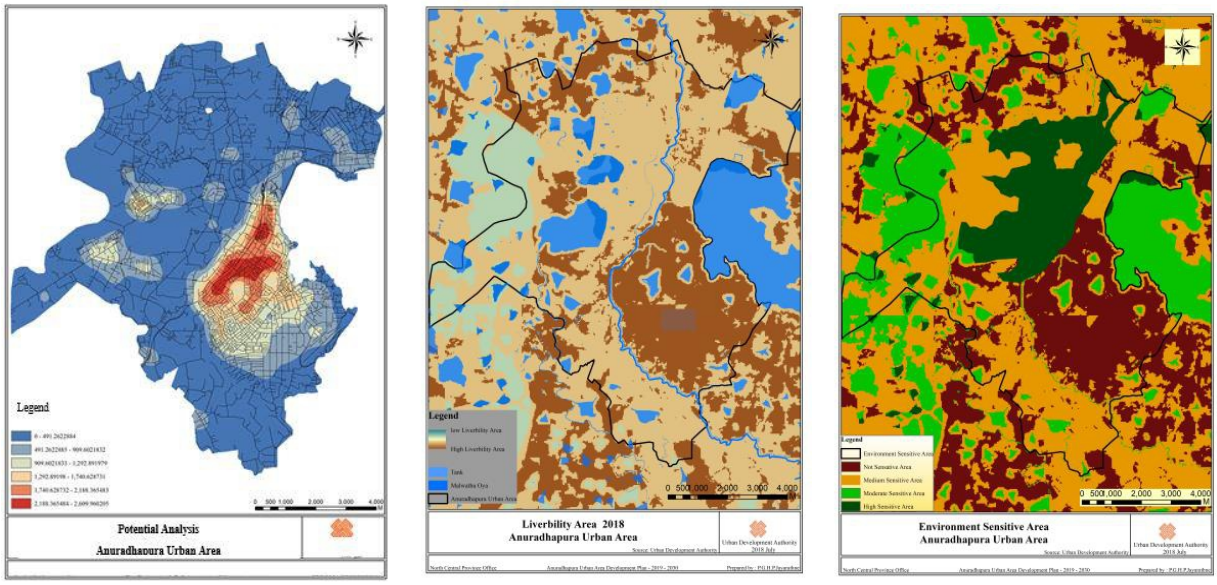
7.1 Introduction

The Zoning Guidelines Can be introduced as a main strategy which is used to achieve the goals and objectives as well as the vision of the urban plan which was prepared for the Anuradhapura Urban Area for the period of 2021 – 2030. This strategy is mainly used to prepare the land use pattern in order to achieve the vision as well as the goals and the objectives of the urban development plan. Here, scientific analyses were done to identify the most suitable areas for living for public. This analysis is done through the identification of most suitable areas for living (Livability Analysis) by considering the many criteria such as distribution, density, scale and extent of social and physical infrastructure facilities which have spread throughout the area.

An analysis on environment sensitive areas was done in order to protect existing environment sensitive areas and minimize the effects on these areas due to the development activities. The required information and data about the locations and the importance of all environmental sensitive areas such as aquatic and reserve areas, channel roads, paddy fields, low laying areas were obtained through the analysis done on the environment sensitive areas (Sensitivity Analysis) with the purpose of taking the necessary steps to preserve these environmental sensitive areas.

Furthermore, based on the analyses such as connectivity analysis and space syntax, identification of the areas with the possibilities to obtain an optimum outcome through the development activities of area and preparation of the land use pattern based on potential analysis, carrying out the development activities and identifying the economically energetic areas within the urban boundary through the existing development activities were done. Related maps on those analyses included. Below are the maps related to those analyses. A zoning plan was prepared for the urban area based on the above-mentioned analyses and its interrelationships. This can be considered as a zoning plan which is being built based on the density and the intensity of the land use patterns of the area.

Figure 49 The analyses which were based for creating the zoning plan

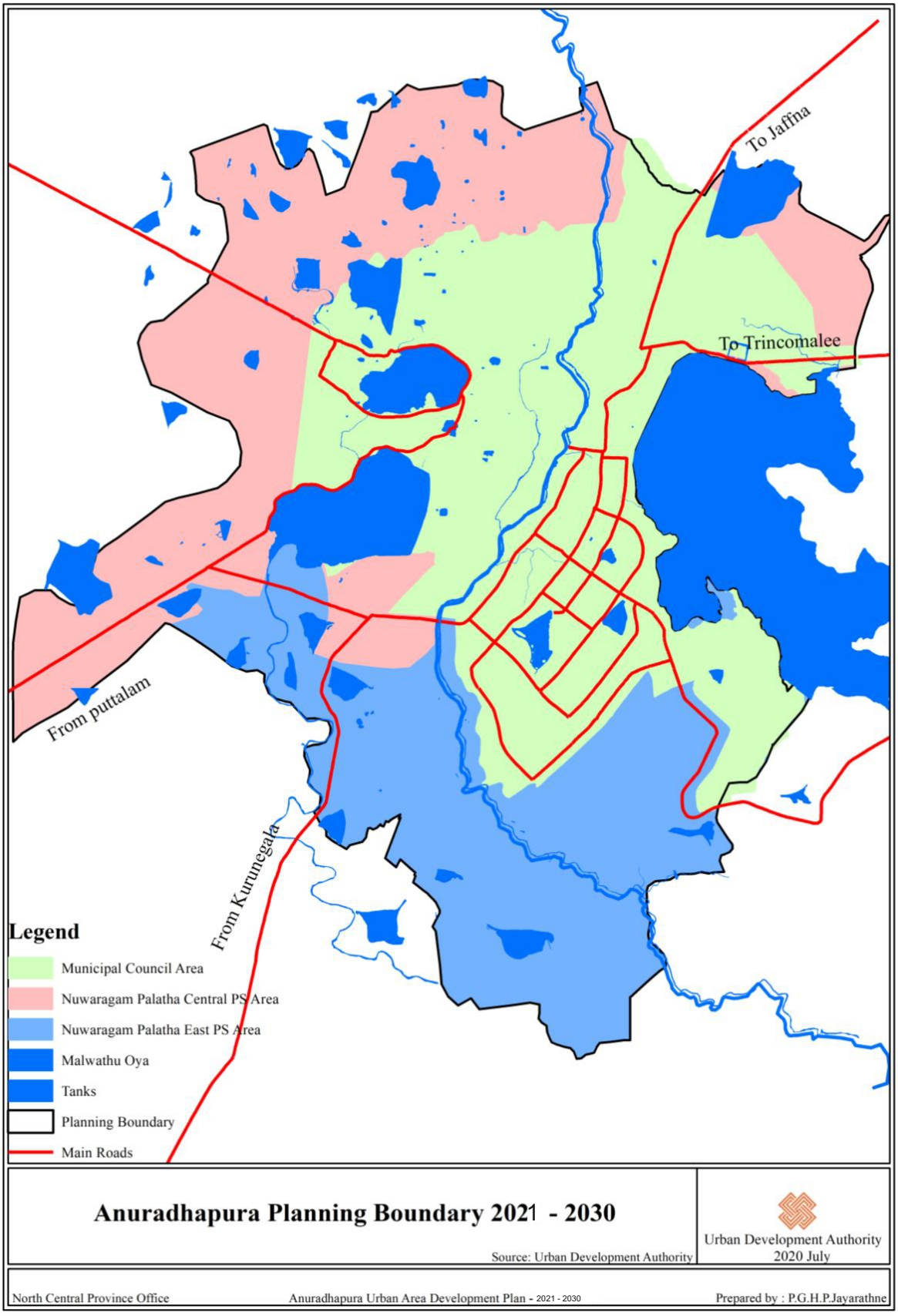


Source: Urban Development Authority – 2020

For the zoning plan which is prepared based on the density of the land use patterns, required data and information were prepared by estimating the expecting living population of the area and out siders to be come to the area for the various purposes by 2030. This population was divided into each density zones. In allocating this population for each density zone, it was used the scientific method to analyses the carrying capacity of the population in each density zone and it was considered about the possibility to reach the vision of the urban development plan.

The spaces for each uses were preparing according to the accepted standards in Sri Lanka. Those scales were divided by the buildable land area of each density zone and the answer of that mathematical process is introduce as the zoning coefficient. In this way, each zone has own zoning coefficient and intensity of the density of each density zone is determined by this coefficient.

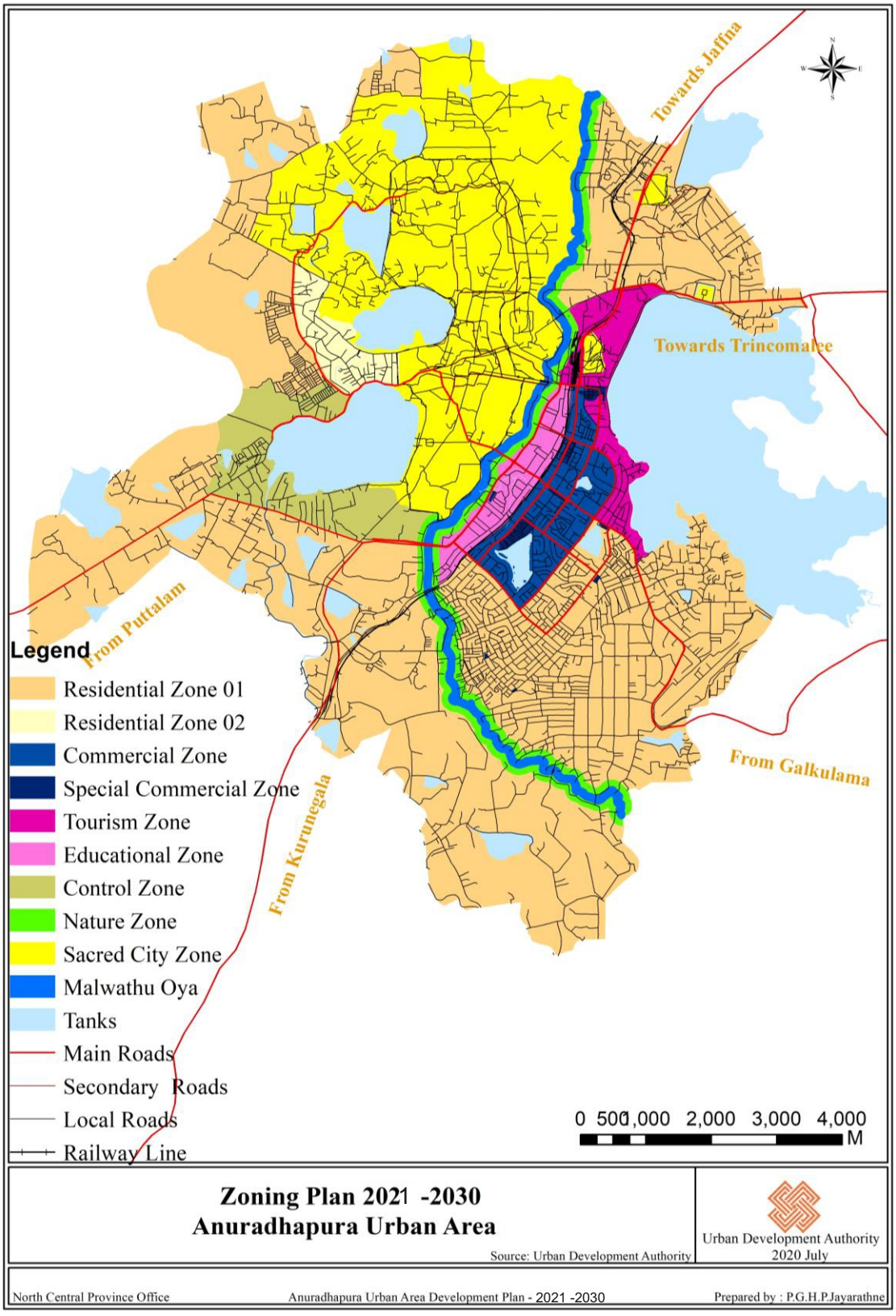
Map 7 Planning Boundary



Source: Urban Development Authority – 2020

7.2 Development Zones

Map 8 Zoning Plan



Source: Urban Development Authority – 2020

7.3 Zone factor and Calculation Method

Determination of Permissible Floor area for developments According to the Form 'A' 'B' in Schedule 6 to Part IV of the Extraordinary Gazette Notification No. 2235/54 dated Thursday 08th July 2021, the coefficients applicable to the Anuradhapura Urban Area Development Plan indicated by Table No 37,38

In determining the open space of the building pertaining to the said permissible floor area, the form 'E' of the above Gazette is indicated and it is specified in the Anuradhapura Urban Area Development Plan in Table No 39

Zone	Expected Population in 2030	Developable Space (Sq. m)	Expected Floor Area
Residential Zone 01	95295	8174054	4120275
Residential Zone 02	15120	823560	411780
Commercial Zone	243195	2168690	4487051
Tourism Zone	132315	1398475	2100992
Educational Zone	50000	580805	622430
Control Zone	18190	1187295	598290
Nature Zone	4540	865926	263910
Sacred city Zone	1900	535456	110447

Zone Factor is one of the main intervention for the Achieve Vision of the Development plan and maintain Sky Line in the Urban Area. Basically, expected population in 2030 and commuter population in 2030 and Available developable spaces in the Urban Area are mainly Concerned when prepare this Zone Factor.

7.4 Common Guidelines for Development Zones

These Guidelines apply to the entire area within the administrative limits of the Anuradhapura Local Authorities Area mentioned in Map No 07 which has been declared as an Urban Development Area in the Extraordinary Gazette Notification No. 1179/11 and 10.04.2001 under Section 3 of the Urban Development Authority Act No. 41 of 1978.

In addition to the provisions of this zoning plan, the Planning and Development guidelines applicable to any development work is regulated by the Gazette Notification No 2235/54 dated 2021-07-08.
The said legalized Planning and Development Guidelines also apply to the Anuradhapura Urban Development Area .

01. This plan will be enforced under the guiding principles of the area development plan to be planned for the planning area by the National Physical Planning Department in future.

02. If some place or property is named only for some special use by the zoning plan, that place or property should be utilized only for that mentioned use.

03. If there is a development activity which is not a covered under the Guidelines of the development plan, Urban Development Authority has the power to take decision in that regard.

04. Although the content of these teams has been mentioned in any conditions and manner, the authority has the power to acquire the land for using, restrict or limit the any development activity or simplify the terms and introduce the new terms in order to achieve the objective of the development plan.

05. If some land plot belongs to the two local authorities or land use zones, it is considered that this land plot belongs to the respective local authority or zone that provide the entrance to the respective land plot.

06. A site or building shall not be used for any activity other than those prescribed in development permit by any person

07. Some area can be defined as a special development area, when the Authority deems that the particular land is suitable.

08. The authority has the power to use the land areas which have been named by the authority in the special project area to construct the any special building, to limit or restrict or simplify the terms which provided by this development plan or introduce any other terms to fulfill the assigned tasks for the area.

09. Various types of religious places and religious symbols, signs, statues or similar constructions which are permanently constructed or the existing buildings which are converted for such uses should be according to the concern and requirements of the authority and also should be aligned with characteristics of the urban development area.

10. If a plot of land or a home garden is not reserved for a special use, its use should be in accordance with the use permitted in the zone where it is located.

11. If a development activity is carried out in some location or land plot adjoining to a reserve or a sensitive area, the recommendation of the relevant institutions related to the reserve should be obtained.

12. A building that has been declared or to be declared under the Archaeological Ordinance cannot be changed, repaired or demolished, distorted or damaged without approval or permission of the Urban Development Authority.

13. All buildings and lands in relation to the archaeological and ancient architectural methods and national heritages should be conserved as it is. When those are upgraded or renovated and newly constructed, it is needed to plan in the manner of protecting its archaeological values and recommendations should be obtained from the Department of Archeology and respective institute for this.

14. By the Date of enforcing the Guidelines of the plan, If Some use which is legally carried out, is not fit or suitable for the respective zone, it is not permitted to extend the time for that use, to expand the buildings or machineries in that use, to amalgamate the adjoining lands, to implement the activities relating to an any project.

15. If any place or property has not been named for any special usage, the permitted usages in the zone where the said usage is situated must not be interrupted according to the zoning plan

16. If any property or building belongs to the two separate zones, ownership of that property or building goes to the relevant zone which provide the access road for that property or building.

17. If any property belongs to two or more zones, it is legitimate to include such plot within the zone that are most conducive to the development plan's objectives.

18. The boundaries of the zoning plan based on the X and Y coordinates which are highlighted according to the Decimal Degree of the Google Erath of 2019.

19. It is required to obtain the approval of the Authority before installing the name boards, display boards and billboards.

20. Any rapier or change should not be done in the preserved building without the permission of the authority.

21. Areas currently using for public outdoor parks and recreational spaces are permitted only for that purpose.

22. The Building Limits, Proposed Road Width in the street adjoined to any place or a land must be in compliance to the Table No 42 , 43 Respectively.

23. The Urban Development Authority (UDA) makes the final decision on the demarcation of reserve or barrier zones for the protection and maintenance of the surrounding environment in a particular location.

24. More than one building with approved uses is permitted in one block.

25. In addition to the uses specified in the respective zones, if the Authority is satisfied, other uses are permitted subject to the conditions.

26. Approval / recommendation should be obtained from institutions recommended by the Authority for construction or expansion of dangerous, toxic and pollution-based industries or businesses.

27. Approval / recommendation should be obtained from institutions recommended by the Authority for reclamation, construction and use of low lands, paddy lands and environmentally sensitive areas

28. Mandates named by the Authority for the special projects or special project areas exceeds the mandates of this plan.

29. The permission should be obtained from the Authority for constructing the boundary walls.

30. If there is an issue with the zoning boundaries, the final decision regarding that would be taken by the Authority.

31. Zone factor is not applicable for reserve and special reserve areas. Hence, only the relevant zoning regulations formulated for those zones are applicable.

32. The Urban Development Authority has the power to reduce or increase the zone factor due to the specific matter or future development trends.

33. There can be issue with regard to deciding the “Total Floor Area” which is approved for the development activities. At such occasion, the Authority has the power to take the final decision.

34. The zones which are mentioned in the Building Height Restrictions map (Map no 10) are introduced as special zones. Therefore, it is required to obtain the preliminary planning clearance certificate from the Urban Development Authority before implementing the development activities in those areas.

35. The boundaries of special zones which are defined in the Building Height Restrictions map (Map no 10) should be based on the X and Y coordinates which have been included in the Boundaries

36. For the areas covered by the Building Height Restrictions map (Map no 10), a subdivision plan including contours of the land should be submitted by the relevant applicants.

37. The limit of maximum building height for the areas which have been mentioned in the Building Height Restrictions map (Mao no 10) should be presented from the mean sea level and according to the guidelines of Building Height Restrictions map (Map no 10)

38. Play Grounds, Parks, Open Spaces, which are existing as it is by 2006, these Uses must be used as it is mentioned in the Blocking out Diagram Plan done in 1956 (in Stage I, II, III). For the Land Lots which are using for another uses (before 2006). granting about these uses, the Authority can be considering with approvals of the other relevant institution. Relevant Zoning and building regulations are Applicable for these developments.

39. Zoning Boundaries should be as Geo – Coordinates mentioned in the "Annexure 02 – Zoning Boundaries"

40. The Building limits which are not mentioned in the Annexure, for these roads building limits should be maintain as similar to road width from the center of the road. Minimum building limits not less than 3.5 m from center of the Road.

41. For filling stations, the land extend should not, less than 1000^{m2} (40 perches) and road frontage should not less than 30m

42. Reservations relating to Ponnaramkulama Tank, Kumbichchankulama Tank, Thammennakulama Tank, Wanniyamkulama Tank and it' s cannels should be demarcated with special team (Team members are – Relevant Local Authorities, Urban Development Authority, Relevant Divisional Secretariats, Provisional Land Commissioner, Relevant Irrigation Departments) .

43. Projects which are ongoing or proposed by the Government or Semi Government institute, Authority can decide Location, Zone factor, Plot Coverage, Context of Development of these Projects.

Chapter 08

Zoning Guidelines of Development Zones

8.1 Residential Zone 01

8.1.1 Zoning Guidelines for Residential Zone 01

Table 20 Zoning Guidelines for Residential Zone 01

Name of the Zone	**Residential Zone 01**
Short Description	The residential uses are mainly prioritized in this zone and it is allowed only the activities that can provide the more convenient and more efficiency service for the residents. This area has been selected based on a scientific basis after considering about the trends of residential uses, the way of spreading of the residential areas, most suitable living areas, the land use pattern that requires to achieve the goals and the objective and reach to the ultimate vision of the development plan.
Zoning Boundary	Mentioned in Annexure 02
Zone Factor	0.5
Permissible maximum height	-
Plot coverage	65%
Minimum Plot Size	10 perches (250 Sq.m)
Common guideline for the zone	This is mentioned under the 7.4 in Second Part

8.1.2 Permissible Uses for Residential Zone 01

Table 21 Permissible Uses for Residential Zone 01

Permissible uses		Relevant Conditions
	Houses for living	-
	Flats	-
	Condominium	-
	Hostels	-
	Housing Schemes	-
	Stalls	Constructions not exceeding hundred (100) square meters of gross floor area
	Supermarkets	The Land Plots that are not less than thousand square meters (1000)
	Hardware	The Land Extend is not less than five hundred square meters (500) . This is not applicable for allocated land plots for the commercial uses and vehicle parking with the open spaces in the layout plan in 1957.
	Filling Stations	This is mentioned under the 7.4 in Second Part
	Warehouses	Constructions not exceeding hundred (100) square meters of gross floor area
	Bakery	-
	Vehicular service Stations	Existing plots which are used in vehicle service centers are only permissible for constructing those activities
	Service Garage	The constructions that do not exceed the one hundred square meter (100) of the gross floor area under the recommendation of the Central Environment Authority.
	Government offices	Constructions not exceeding hundred (100) square meters of gross floor area

	Banking and financial institutions	-
	Professional's offices	Constructions not exceeding hundred (100) square meters of gross floor area
	ATMs	-
	Tuition classes	The constructions with more than six-meter (06) width access road and not exceed the hundred meters (100) of floor Area
	Nursey	-
	School, Technical Centers, Vocational Centers, Etc:	Minimum Land Extend is 4000 Sq.m (01 Acre) and Access road is not less than 09-meter-wide road.
	Ayurvedic medical centers, Dispensaries, Pharmacies, ,Laboratory Services .	All Constructions not exceeding hundred (100) square meters
	Circuit Bungalows	-
	Lodge	Land Extend is not less than five hundred square meters and Maximum ten bed rooms are allowed.
	Developments relating to Play Grounds and Open Spaces	Plot coverage should not exceed 25 % and, if developed one-unit plot coverage should not exceed 5 %
	Library	-
	Community Centers/ Cultural Centers	-
	Adults Care Homes and child care	-

	Homes	
	Gymnasium	-
	Day Cares	-
	Religious Places	Only those plots of land used as religious centers will be constructed for the purpose.
	Open Air Theaters	-
	Public Vehicular Parks	-
	Industries	Subject to the recommendation of the Central Environmental Authority, the gross floor area shall not exceed fifty square meters and shall not exceed 5 horsepower.
	Parks	-
	Aquarium	-
	Open Spaces	-

8.2 Residential Zone 02

8.2.1 Zoning Guidelines for Residential Zone 02

Table 22 Zoning Guidlines for Residential Zone 02

Name of the Zone	**Residential Zone 02**
Short Description	This Zone situated where closer to the Sacred City Zone. Building Height Restrictions should be Applicable in this Zone. all kind of developments should be tally with characters of the Sacred City Zone.
Zoning Boundary	Mentioned in Annexure 02
Zone Factor	0.5
Permissible maximum height	7.5 m
Plot coverage	65%
Minimum Plot Size	15 perches (375 Sq.m)
Common guideline for the zone	This is mentioned under the 7.4 in Second Part

8.2.2 Permissible uses for residential Zone 02

Table 23 Permissible uses for residential Zone 02

Permissible uses		**Relevant Conditions**
Common Condition		Maximum height of the all buildings should not be exceeded the 7.5 meters or not be more than the two stories. It is required to obtain the recommendations from the National Physical Planning Department, Archeological Department for any construction. Roof should not be concrete Slab or single roof and should be very nice as beautiful vista to the outside. other Common regulations mentioned under the 7.4 in Second Part
	Houses for Living	-
	Flats	-
	Hostels	-
	Housing Schemes	-
	Stalls	Constructions not exceeding hundred (100) square meters of gross floor area
	Filling Stations	Mentioned in General Condition
	Warehouses	Constructions not exceeding hundred (100) square meters of gross floor area
	Professional's offices	Except residential developments, there should be 02 parking lots for the Professional's Office. Development should be part of the house and not exceeding 50 Sq.m
	ATMs	-
	Tuition classes	The constructions, with more than six-meter (06) width access road and not exceed the hundred square meters (100) of gross Floor Area
	Nursery	-

Health	Dispensaries, Pharmacies	All Constructions not exceeding hundred (100) square meters of gross floor area
Tourism Activities	Circuit Bungalow	-
	Developments relating to Play Grounds and	Plot coverage should not exceed 25 % and, if developed one-unit plot coverage should not exceed 5 %
	Library	-
	Community Centers/ Cultural Centers	-
	Adult Care Homes and Child care Home	-
	Day Cares	
	Religious Places	Only those plots of land used as religious centers will be constructed for the purpose.
	Museums	-
	Public Vehicular Parks	-
	Parks	-
	Aquarium	-
	Open Spaces	-

8.3 Commercial Zone

8.3.1 Zoning Guidelines for Commercial Zone

Table 24 Zoning Guidelines for Commercial Zone

Name of the of the Zone	Commercial Zone
Short Description	This zone can be introduced as a zone that uplifts the economy of the urban area. Here, the needs `related to the commerce and the service are mainly prioritized in this zone and it is provided the required spaces for the tourism activities. This area has been selected based on development pressure indicator, the trends of distribution of the development activities, the locations of the institutions that provide the services and the requirements, distribution of the infrastructure facilities and its density, and extent, land use pattern, fluctuations of the land values and other scientific analysis in order to achieve the vision of the development plan.
Zoning Boundary	(Noted in Annexure 02)
Zone Factor	2
Permissible maximum height	-
Plot coverage	For Residential Uses 65% , for Commercial Uses 80%
Minimum Plot Size	6 perches (150 Sq.m)
Common guideline for the zone	This is mentioned under the 7.4 in Second Part

8.3.2 Permissible Uses for Commercial Zone

Table 25 Permissible Uses for Commercial Zone

Permissible uses		Relevant Conditions
	Houses for Living	-
	Flats	-
	Condominium	-
	Hostels	-
	Housing Schemes	-
	Stalls	-
	Supermarkets	-
	Hardware	-
	Filling Stations	This is mentioned under the 7.4 in Second Part
	Warehouses	-
	Bakery	-
	Vehicle service centers	-
	Service Garages	-
	Vehicular Sales Stations	-
	Government offices	-
	Government Office Scheme	
	Banking and financial institutions	-
	Professional offices	-
	ATMs	-
	Government Universities	-
	Tertiary Educational	-

	Institutions	
	Religious Educational centers	-
	Tuition classes	-
	Nursery	-
	Government Hospitals	-
	Private Hospitals	-
	Ayurvedic Hospitals	-
	Dispensaries	-
	Medical Consultancy Service Stations	-
	Pharmacy	-
	Clinical Labs	-
	SPA Centers	-
	Tourist Hotels	Minimum Plot Size is 1000 Sq.M and Plot Coverage is 65%
	Circuit Bungalows	-
	Banquet Halls	-
	Guest House	-
	Developments Relating to Play Grounds and Open Spaces	Plot coverage should not exceed 25 % and, if developed one-unit plot coverage should not exceed 5 %
	Libraries	-
	Community Halls/ Cultural Centers	-
	Film Halls	-
	Fitness Centers	-
	Day Care Centers	-
	Religious Places	-
	Museum	-

	Open Air Theaters	-
	Public fair	-
	Public Vehicular Parks	-
Industry	Industries	Plot size not less than 1000 Sq.m
	Parks	-
	Aquarium	-
	Open Spaces	-

8.4 Tourism Zone

8.4.1 Zoning Guidelines for Tourism Zone

Table 26 **Zoning Guidelines for tourism Zone**

Name of the Zone	**Tourism Zone**
Short Description	This zone is mainly allocated for the tourism related activities. It is expected to bring about the 150,000 foreigners to the Anuradhapura urban area by 2030 and this zone is allocated for fulfilling the required accommodation facilities of that foreigners. By doing the scientific analysis to identify the best locations to provide the hotel and accommodation facilities, this zone was selected as the hospitality zone for encouraging the uses related to the tourism and hotel activities.
Zoning Boundary	(Mentioned in Annexure 02)
Zone Factor	1.5
Permissible maximum height	-
Plot coverage	65%
Minimum Plot Size	10 perches (250 Sq.m)
Common guideline for the zone	This is mentioned under the 7.4 in Second Part

8.4.2 Permissible Uses for Tourism Zone

Table 27 Permissible Uses for Tourism Zone

Permissible uses		Relevant Conditions
	Houses for living	-
	Flats	50% of the total building should be use for Tourism activities
	Condominiums	-
	Hostels	-
	Housing Schemes	-
	Super markets	Land extend not less than 1000 Sq.m
	Filling Stations	This is mentioned under the 7.4 in Second Part
	Government offices	-
	ATMs	-
	Private Hospitals	Land Extend not less than 1000 Sq. m and construction not more than 2000 Sq.m
	SPA Centers	-
	Tourism Hotels	Minimum Plot Size is 1000 Sq.M
	Circuit Bungalows	-
	Banquet Halls	-
	Guest House	-
	Developments relating to play grounds and open spaces	Plot coverage should not exceed 25 % and, if developed one-unit plot coverage should not exceed 5 %
	Library	-
	Community Halls / Cultural Centers	-
	Gymnasium	-
	Day Cares	-

	Religious Places	Plots which are used in religious centers are only permissible for religious activities
	Museums	-
	Open Air Theaters	-
	Public Vehicular Parks	-
	Parks	-
	aquarium	-
	Open Spaces	-

8.5 Educational zone

8.5.1 Zoning guidelines for Educational Zone

Table 28*Zoning guidelines for E*ducational Zone

Name of the Zone	**Educational Zone**
Short Description	This zone is selected by considering the distribution of the existing main educational institutions of the area. The space is provided in this zone mainly for the educational activities.
Zoning Boundary	Mentioned in Annexure 02
Zone Factor	1
Permissible maximum height	-
Plot coverage	65%
Minimum Plot Size	10 perches (250 Sq.m)
Common guideline for the zone	This is mentioned under the 7.4 in Second Part

8.5.2 Permissible Uses for Educational Zone

Table 29 Permissible Uses for Educational Zone

Permissible uses		Relevant Conditions
	Houses for living	-
	Flats	-
	Condominiums	-
	Hostels	-
	Housing Schemes	-
	Stalls	-
	Supermarkets	-
	Filling Stations	This is mentioned under the 7.4 in Second Part
	Warehouses	-
	Vehicle service Stations	-
	Vehicular Sales Stations	-
	Service Garages	-
	Government offices	-
	Government office Schemes	-
	Banking and financial institutions	-
	Professional offices	-
	ATMs	-
	Government Universities	-
	Tertiary Educational Institutions	-
	Tuition classes	-
	Nursery	-
	Government Hospitals	-
	Private Hospitals	-
	Dispensaries	-
	Circuit Bungalows	-

Activities	Guest House	Land extend not less than 500 Sq. m and room capacity not exceeding 10 bed rooms
	Developments relating to Play grounds and Open Spaces	Plot coverage should not exceed 25 % and, if developed one-unit plot coverage should not exceed 5 %
	Library	-
	Community Halls / Cultural Centers	-
	Gymnasium	-
	Day Cares	-
	Religious Places	Plots which are used in religious centers are only permissible for religious activities
	Museum	-
	Open Air Theaters	-
	Public Vehicular Parks	-
	Industries	Industries which are existing in same lot, same Development extent can be permitted. instated of that Sanitary Facilities, Social Service Activates can be permitted.
	Parks	-
	aquarium	-
	Open Spaces	-

8.6 Control Zone

8.6.1 Zoning Guidelines for Control Zone

Table 30 Zoning Guidelines for Control Zone

Name of the Zone	**Control Zone**
Short Description	This zone is situated closer to scared city of the Anuradhapura. The limits of building heights are implemented in this zone and it is not allowed to establish any constructions that disturb to the importance of the scared city. Through this, the required actions will be obtained to intensify the importance of the Anuradhapura urban area.
Zoning Boundary	Mentioned in Annexure 02
Zone Factor	0.5
Permissible maximum height	12 meters
Plot coverage	65%
Minimum Plot Size	10 Perches (250 Sq.m)
Common guideline for the zone	This is mentioned under the 7.4 in Second Part
General Conditions	In this zone, all buildings should be constructed with the roof. The maximum height with the roof should not be exceeded the twelve meters (12). The roof should not be finished with the concrete slab or a single sided roof and should be very nice as beautiful vista to the outside. Other relevant conditions are mentioned in the General terms.

8.6.2 Permissible uses for control Zone

Table 31 Permissible uses for control Zone

Permissible uses		Relevant Conditions
	Houses for living	-
	Condominiums	-
	Hostels	-
	Housing Schemes	-
	Stalls	Constructions not exceeding hundred square meters (100) of gross floor area.
	Super Market	Land extend not less than 1000 Sq.M
	Filling Stations	Mentioned in General terms
	Warehouses	Constructions not exceeding hundred square meters (100) of gross floor area.
	Bakeries	-
	Service Garages	Constructions not exceeding fifty square meters (50) of gross floor area.
	Professional offices	In addition to residential use, constructions run as part of a home that provides at least two parking spaces.
	ATMs	-
	Government Universities	-
	Tertiary Educational Institutions	-
	Tuition classes	The constructions that include the access road with more than six-meter (6m) width and the constructions not exceeding the hundred square meters (100) of gross floor area.
	Nursery	-

	Government Hospitals	-
	Private Hospitals	The constructions that include the access road with more than six-meter (6m) Land Extend not less than the thousand square meters (1000) .
	Dispensaries, , Pharmacies	All Constructions not exceeding one hundred square meters (100) of gross floor area.
	Tourist Hotels	Land extend not less than 500 Sq. m
	Circuit Bungalows	-
	Guest House	Land extend not less than 500 Sq. m and constructions not exceeding 10 bed rooms.
	Library	-
	Community Halls/ Cultural Centers	-
	Adult Care and child care Homes	-
	Gymnasium	-
	Day Cares	-
	Religious Places	Plots which are used in religious centers are only permissible for religious activities
	Museums	-
	Open Air Theaters	-
	Public Car Parks	-
	Parks	-
	aquarium	-
	Open Spaces	-

8.7 Nature Zone

8.7.1 Zoning Guidelines for Nature Zone

Table 32 Zoning Guidelines for Nature Zone

Name of the Zone	**Nature Zone**
Short Description	The activities based on natural environment are maintained in Nature Zone. Here, uses are allowed in this zone with the purpose of revealing the value of "Malwathu Oya", a pride for the Anuradhapura city as per the conceptual plan prepared for the Anuradhapura urban area and its associated natural environment to the world. This extends from the Malwathu Oya reserve to 100 meters wide.
Zoning Boundary	This zone extends up to 100 meters on both sides from the Malwathu oya reserve boundary. (Except in the Sacred City zone)
Zone Factor	Developments Activities are Limited
Permissible maximum height	7.5 meters
Plot coverage	50%
Minimum Plot Size	10 perches (250 Sq.m)
Common guideline for the zone	This is mentioned under the 7.4 in Second Part
General Conditions	Blind walls and Boundary walls are not allowed to construct in this zone and maximum height of the buildings should not be exceeded the 7.5 meters (With Roof) and not be more than the two stories. The roof should be very nice as beautiful vista to the outside. All developments should be tally with Natural Water flow

8.7.2 Permissible uses for Nature Zone

Table 33 Permissible uses for Nature Zone

Permissible uses		Relevant Conditions
Residential	Houses for living	-
	Tourist Hotels	Plots which are used in tourist hotel are only permissible for those activities
	Circuit Bungalow	-
	Gymnasium	The constructions not exceeding the 10% of Plot Coverage
	Religious Places	Plots which are used in religious centers are only permissible for religious activities
	Museums	The extend of the land plot should not be less than the thousand square meters (1000)
	Open Air Theater	This should be free from the buildings
	Public Vehicular Parks	The constructions not exceeding the 5% from land plot
	Parks	This should be free from the buildings
	Aquarium	-
	Open Spaces	This should be free from the buildings

8.8 Sacred City Zone

8.8.1 Zoning Guidelines for Sacred City Zone

Name of the Zone	**Sacred City Zone**
Short Description	This zone is allocated for the religious activities and this area is developed in order to properly reveal the pride of the area.
Zoning Boundary	Mentioned in Annexure 02
Zone Factor	Developments Activities are Limited
Permissible maximum height	7.5 M
Plot coverage	65%
Minimum Plot Size	15 Perches (375 Sq.m)
Common guideline for the zone	This is mentioned under the 7.4 in Second Part
General Conditions	Maximum height of the all buildings should not be exceeded the 7.5 meters (With roof top) or not be more than the two stories. It is required to obtain the recommendations from the National Physical Planning Department, Archeological Department and Urban Development Authority for any construction. Roof should not be concrete Slab or single roof and it should be very nice as beautiful vista to the outside. Clearances should be taken from the Anuradhapura District Sacred City Development committee for the Special Building and Land Subdivisions. Housing Projects (Mihindupura , Kusum Niwasa – New Ellakattuwa Road etc.) which are not full filled minimum Land extend of 15 perches, it is not Applicable Condition regarding Minimum Plot Size (15 Perches) and these lots are not allowed for the Future Sub Divisions.

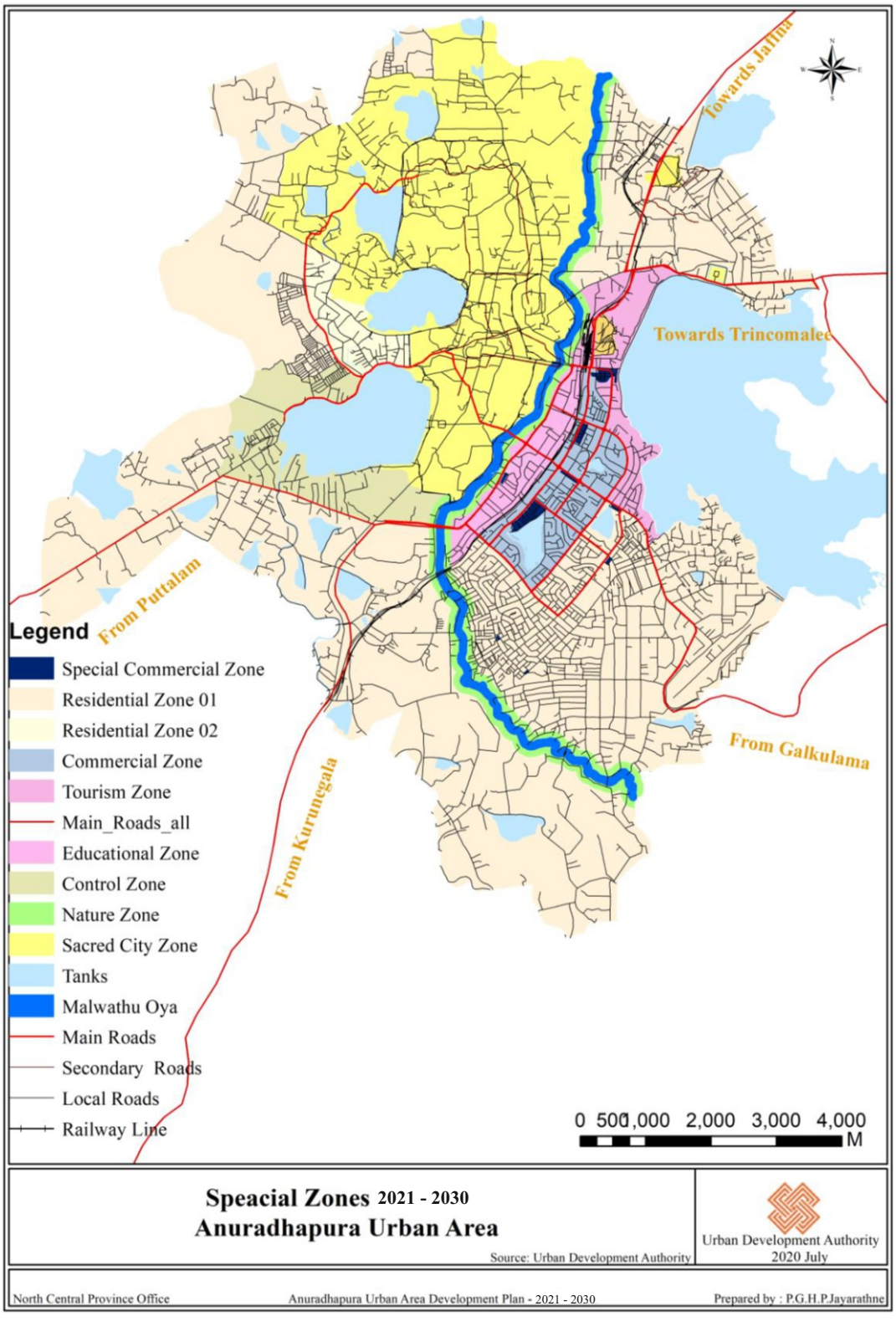
8.8.2 Permissible Uses for Sacred City Zone

Table 34 Permissible Uses for Sacred City Zone

Permissible uses		Relevant Conditions
	Houses for Living	-
	Condominiums	-
Institutional	ATMs	-
Educational	Religious Educational centers	-
Tourism Activities	Circuit Bungalows/ Community Halls/ Cultural Centers	Constructions of government institutions
	Libraries	
	Religious Places	Plots which are used in religious centers are only permissible for religious activities
	Museums	-
	Public Vehicular Parks	The constructions not exceeding the 5% Plot Coverage
Leisure and recreation	Aquarium	-

8.9 Special Commercial Zone

Map 9 Special Commercial Zone



Source: Urban Development Authority – 2020

8.9.1 Regulations for Special Commercial Zones

Table 35 Regulations for Special Commercial Zones

Name of the Zone	Special Commercial Zones
Short Description	The lands which were demarcated as a commercial land under the Anuradhapura New Town development plan of 1956 and the land areas which were subdivided as a small land plots before implementing the Anuradhapura Urban Development Plan of 2006 have been included for this zone. These areas have been declared as special developed areas in order to achieve the goals of the development plan through encouraging the land development by removing the barriers to develop the lands and in order to direct the small land plots for maximum and optimum utilization according to the existing high land values of area and distribution of the infrastructure facilities.
Zoning Boundary	Mentioned in Annexure 02
Zones	Not relevant
Permissible maximum height	15 meters (G + 3 floors)
Plot coverage	100%
Common guideline for the zone	This is mentioned under the 7.4 in Second Part
Special Conditions for Special Commercial Zone	01. Each land plot should face to a 15-meter-wide road. 02. The 6 meters' service road should have behind each plot 03. All plots should be cover with common sewer system 04. There should be common vehicular parking facility within 300 meters. Service charge can be applicable for the parking Facilities. 05. Existing land plots less than the 06 perches are not allowed for further subdivision.

	06. Canopies and balconies should not be directed to the main roads and service roads. 07. The front of the building should not be directed to the service road. These Service roads should be use for the loading and unloading Facilities. 08. Although the zone factor is not considered for this zone, for the land amalgamation, (if total land extends equal or more than 06 perches) the zone factor and other regulations of the Commercial zone described under the section 8.3 should be considered and applied. 09. In the development of the land plots adjoining the Kumbichchankulam tank, buildings should be constructed facing to the tank. 10. Before using the building, it is required to complete all works with good finish. 11. If not completed above conditions, Maximum Building height should be 10 meters and plot coverage should not exceeding 80 % .

8.9.2 Permissible Uses for Special Commercial Zone

Table 36 Permissible Uses for Special Commercial Zone

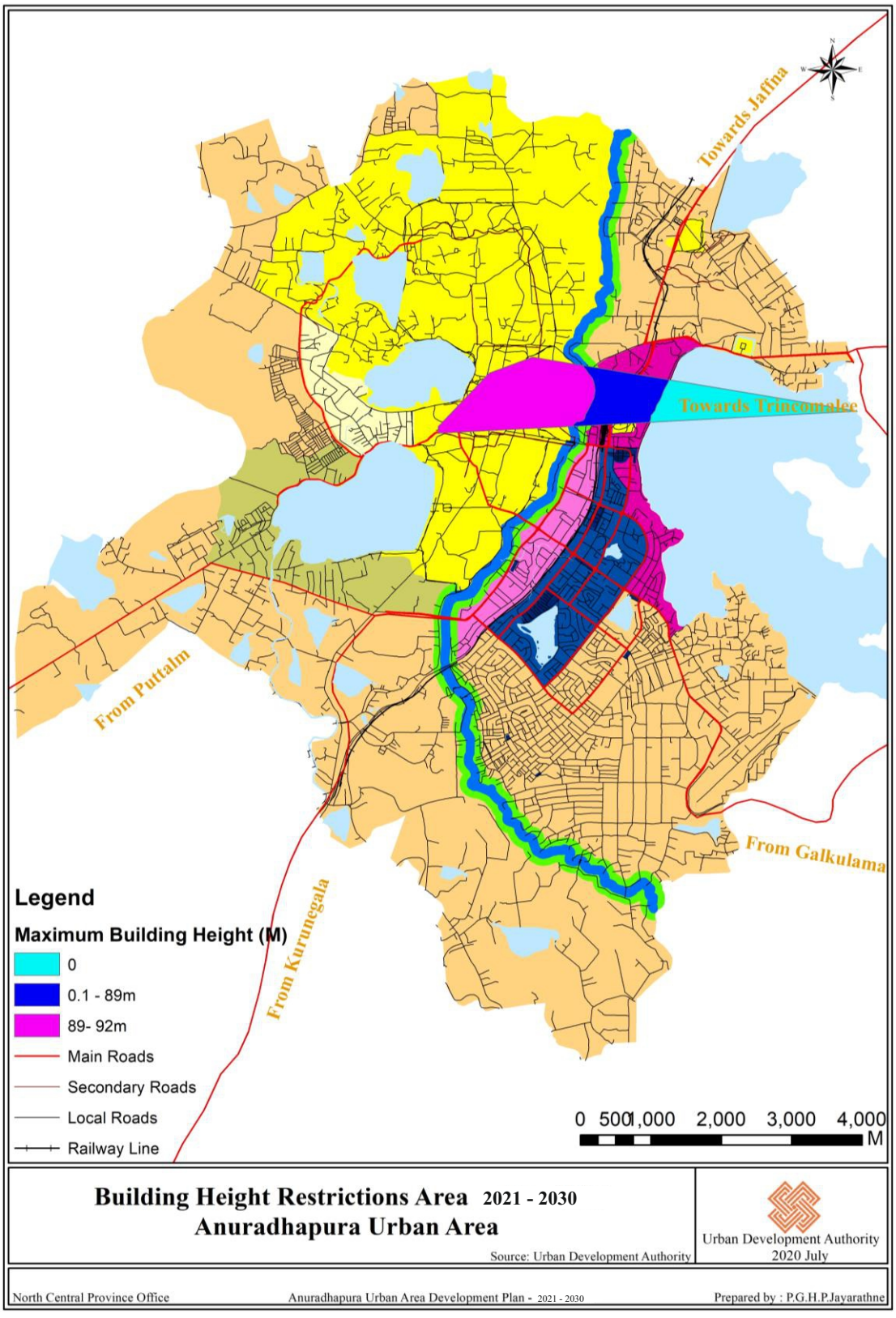
Permissible uses	The permissible uses in the Commercial zone that have been described under the section of 2.3.3 are allowed in this zone.

8.10 Purpose of the Building Height Restriction

The View Corridor is maintaining to achieve vision of the Development Plan. One of a Goal in Development plan is to become a memorable, Precious, Buddhist Heritage Cultural Heritage City. To achieve this goal and vision of the Development Plan, a view Corridor is maintaining covering vista of the Ruwanmeliyeya, Mirisawetiya and Jethawanaramaya Closer to Mathale Junction

8.11 Building Height Restriction Map

Map 10 Building Height Restriction Map



8.12 Permissible Floor Area Ratio

Table 37 **Permissible Floor Area Ratio**

Form A - Permissible Floor Area Ratio

Land extent (Sq.M)	Zone factor = 0.50 - 0.74				Zone factor = 0.75-0.99				Zone factor = 1.00-1.24				Zone factor = 1.25-1.49				Zone factor = 1.50-1.74				Zone factor = 1.75-1.99				Zone factor = 2.00-2.24			
	Minimum Road Width				Minimum Road Width				Minimum Road Width				Minimum Road Width				Minimum Road Width				Minimum Road Width				Minimum Road Width			
	**6m	9m	12m	15m or above	**6m	9m	12m	15m or above	**6m	9m	12m	15m or above	**6m	9m	12m	15m or above	**6m	9m	12m	15m or above	**6m	9m	12m	15m or above	**6m	9m	12m	15m or above
150 less than 250	0.8	0.9	0.9	0.9	1.3	1.3	1.4	1.4	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.4	2.6	2.7	2.8	2.8	3.0	3.2	3.3	3.0	3.4	3.6	3.8
250 less than 375	0.9	1.0	1.2	1.3	1.3	1.6	1.8	2.0	1.8	2.2	2.4	2.7	2.2	2.7	3.0	3.3	2.6	3.2	3.6	4.0	3.0	3.4	4.3	4.7	3.2	3.6	4.5	4.5
375 less than 500	0.9	1.0	1.2	1.4	1.3	1.6	1.9	2.1	1.9	2.2	2.5	2.8	2.3	2.8	3.2	3.4	2.7	3.3	3.8	4.2	3.2	3.5	4.5	5.0	3.4	3.7	4.8	5.2
500 less than 750	1.0	1.1	1.3	1.5	1.4	1.7	2.0	2.2	2.0	2.3	2.7	3.0	2.4	3.0	3.4	3.5	2.8	3.4	4.0	4.5	3.4	3.6	4.7	5.5	3.5	4.0	5.0	6.0
750 less than 1000	1.0	1.2	1.4	1.7	1.5	1.8	2.2	2.5	2.1	2.4	2.9	3.3	2.6	3.0	3.6	4.0	3.1	3.6	4.3	5.0	3.5	3.8	5.1	6.0	3.6	4.5	5.7	6.5
1000 less than 1500	1.1	1.3	1.5	1.8	1.6	1.9	2.3	2.7	2.2	2.5	3.0	3.6	2.7	3.1	3.8	4.5	3.2	3.8	4.6	5.5	3.6	4.0	5.4	6.5	3.7	5.0	6.1	8.0
1500 less than 2000	1.1	1.4	1.7	2.0	1.7	2.1	2.5	3.0	2.3	2.7	3.4	4.0	2.9	3.4	4.2	5.0	3.4	4.0	5.0	6.0	3.7	4.2	5.8	7.0	3.8	5.1	6.7	9.0
2000 less than 2500	1.2	1.5	1.8	2.1	1.8	2.3	2.7	3.1	2.4	2.8	3.5	4.2	3.0	3.5	4.4	5.4	3.5	4.2	5.2	6.5	3.8	4.4	6.2	7.5	3.9	5.2	7.1	*10
2500 less than 3000	1.2	1.6	2.0	2.4	1.9	2.4	3.0	3.6	2.5	3.2	4.0	4.7	3.1	3.8	4.7	5.8	3.6	4.4	5.5	7.0	3.9	4.6	6.5	8.0	4.0	5.3	7.4	*10.5
3000 less than 3500	1.3	1.7	2.1	2.5	2.0	2.5	3.1	3.7	2.6	3.4	4.2	5.0	3.2	4.0	5.0	6.2	3.7	4.6	6.0	7.5	4.0	4.8	6.9	8.5	4.0	5.4	7.6	*11
3500 less than 4000	1.4	1.8	2.2	2.6	2.2	2.6	3.3	3.9	2.8	3.6	4.3	5.3	3.3	4.3	5.5	6.6	3.8	4.8	6.3	7.7	4.0	5.0	7.3	9.0	4.0	5.5	7.8	*11.5
More than 4000	1.5	1.9	2.3	2.8	2.5	2.8	3.5	4.0	3.0	3.8	4.5	5.5	3.5	4.5	6.0	7.0	4.0	5.0	6.5	8.0	4.0	5.2	7.5	9.5	4.0	5.6	8.0	*12

Land extent (Sq.M)	Zone factor = 2.25-2.49				Zone factor = 2.50-2.74				Zone factor = 2.75-2.99				Zone factor = 3.00-3.24				Zone factor = 3.25-3.49				Zone factor = 3.50-3.74				Zone factor = 3.75-4.00			
	Minimum Road Width				Minimum Road Width				Minimum Road Width				Minimum Road Width				Minimum Road Width				Minimum Road Width				Minimum Road Width			
	**6m	9m	12m	15m or above	**6m	9m	12m	15m or above	**6m	9m	12m	15m or above	**6m	9m	12m	15m or above	6m	9m	12m	15m or above	**6m	9m	12m	15m or above	**6m	9m	12m	15m or above
150 less than 250	3.0	3.4	3.6	4.0	3.0	3.4	3.6	4.0	3.0	3.4	3.6	4.0	3.0	3.4	3.6	4.0	3.0	3.4	3.6	4.0	3.0	3.4	3.6	4.0	3.0	3.4	3.6	4.0
250 less than 375	3.5	3.8	4.5	5.0	3.5	4.0	5.0	5.5	3.5	4.2	5.0	5.5	3.5	4.4	5.0	5.5	3.5	4.6	5.0	5.5	3.5	4.8	5.0	5.5	3.5	5.0	5.0	5.5
375 less than 500	3.6	4.5	4.7	5.5	3.6	4.6	5.2	6.0	3.6	4.7	5.2	6.0	3.6	4.8	5.2	6.0	3.6	4.9	5.2	6.0	3.6	5.0	5.2	6.0	3.6	5.4	5.2	6.0
500 less than 750	3.7	5.0	5.0	6.0	3.7	5.1	5.5	6.5	3.7	5.2	5.5	6.5	3.7	5.3	5.5	6.5	3.8	5.4	5.5	6.5	3.8	5.5	5.5	6.5	4.0	5.7	5.5	6.5
750 less than 1000	3.8	5.1	6.0	6.5	3.8	5.2	6.5	7.0	3.8	5.3	7.0	7.5	3.8	5.4	7.0	7.5	4.0	5.5	7.5	8.0	4.0	5.6	7.5	8.0	4.5	6.0	7.5	8.0
1000 less than 1500	3.9	5.3	6.5	8.5	3.9	5.4	7.0	9.0	3.9	5.5	7.5	9.0	3.9	5.6	7.5	9.0	4.0	5.7	8.0	9.0	4.2	5.8	8.0	9.0	4.5	6.5	8.0	9.0
1500 less than 2000	4.0	5.4	7.0	*10	4.0	5.5	7.5	*10.5	4.0	5.6	7.5	*10.5	4.0	5.7	8.0	*10.5	4.0	5.8	8.0	*11	4.2	6.0	8.0	*11	4.5	7.0	8.0	*11
2000 less than 2500	4.0	5.5	7.5	*10.5	4.0	5.6	7.5	*11	4.0	5.7	8.0	*11	4.0	5.8	8.0	*11	4.0	5.9	8.0	*11.5	4.2	6.2	8.0	*11.5	4.5	7.0	8.0	*12
2500 less than 3000	4.0	5.6	7.5	*11	4.0	5.7	8.0	*11.5	4.0	5.8	8.0	*11.5	4.0	5.9	8.0	*11.5	4.0	6.0	8.0	*12	4.2	6.4	8.0	*12	4.5	7.0	8.0	*12
3000 less than 3500	4.0	5.7	8.0	*11.5	4.0	5.8	8.0	*12	4.0	5.9	8.0	*12	4.0	6.0	8.0	*12	4.0	6.0	8.0	*12	4.2	6.5	8.0	*12	4.5	7.0	8.0	*12
3500 less than 4000	4.0	5.8	8.0	*12	4.0	5.9	8.0	*12	4.0	6.0	8.0	*12	4.0	6.0	8.0	*12	4.0	6.0	8.0	*12	4.2	6.5	8.0	*12	4.5	7.0	8.0	*12
More than 4000	4.0	5.9	8.0	*UL	4.0	6.0	8.0	*UL	4.0	6.0	8.0	*UL	4.0	6.0	8.0	*UL	4.0	6.0	8.0	*UL	4.2	6.5	8.0	*UL	4.5	7.0	8.0	*UL

UL - Unlimited

Floor area allocated for parking facilities are not calculated for FAR

Above Floor Area Ratio shall not be applicable for the zones where number of floors or FAR indicated under the zoning regulations

Above Permissible FAR may be restricted under the development plan based on the slope of the land

Clearance shall be taken from National Building Reserach Organization for the lands having slope morethan 11^0

* FAR more than or equal to 10.0 shall be permitted only for the roads having minimum of 12m (from road center) Building Line, if not maximum FAR shall be limited to 9.0

**Minimum road width of 7m shall be considered for the roads identified as 7m wide road in the particular development Plan

8.13 Number of Floors for 3m & 4.5m wide Roads

Table 38 Number of Floors for 3m & 4.5m wide Roads

Form B - Number of Floors for 3.0m & 4.5m wide Roads						
Minimum Road Width	Minimum Site Frontage	Plot Coverage*	Maximum Number of Floors			
			Zone Factor 0.5 - 0.74	Zone Factor 0.75 - 1.24	Zone Factor 1.25 - 3.49	Zone Factor 3.50 - 4.00
3.0m	6m	65%	1 (G)	2 (G+1)	3 (G+2)	3 (G+2)
4.5m	6m	65%	1 (G)	2 (G+1)	3 (G+2)	4 (G+3)
Number of floors are indicated including parking areas Number of units allowed for each road shall not be changed * Where no plot coverage specified under the zoning regulations						

8.14 Setback

Table 39 Setback

Form E - Setbacks & Open Spaces										
Building Category	Building Height (m)	Minimum Site Frontage (m)	Plot Coverage *		Rear Space (m)		Side Space (m)		Light Well for NLV	
			Non Residential	Residential	When no NLV is taking this end	When NLV is taking this end	When no NLV is taking this end	When NLV is taking this end	Minimum width	Minimum Area
Low Rise	less than 7	6	80%**	65%	2.3m	2.3m	-	2.3m	2.3m	5 Sq.m
	7 less than 15	6	65%	65%	3.0m	3.0m	-	3.0m	3.0m	9 Sq.m
Inter Mediate Rise	15 less than 30	12	65%	65%	4.0m	4.0m	1.0m and 3.0m	4.0m	4.0m	16 Sq.m
Middle Rise	30 less than 50	20	65%	65%	4.0m	5.0m	3.0m both side	5.0m	5.0m	25 Sq.m
High Rise	50 less than 75	30	50%***	50%***	5.0m	6.0m	4.0m both side	6.0m	6.0m	36 Sq.m
	75 and above	Above 40m	50%***	50%***	5.0m	6.0m	5.0m both side	6.0m	6.0m	****
NLV - Natural Light & Ventilation Building Height - Height between access road level to roof top or roof level (Including parking floors) * Where no Plot Coverage specified under the zoning regulations ** The entire development is for non-residential activities *** 65% plot coverage can be allowed only for the podium level not exceeding 20% of the tower height or 12 floors which ever is less **** Minimum area shall be increased by 1 Sq.m for every additional 3m height										

8.15 Permissible Uses

Table 40 Permissible Uses

Use		Residential Zone 01	Residential Zone 02	Commercial Zone	Tourism Zone	Educational Zone	Control Zone	Nature Zone	Sacred City Zone
	Houses for Living	✓	✓	✓	✓	✓	✓	★	✓
	Flats	✓	x	✓	★	✓	x	x	x
	Condominiums	✓	✓	✓	✓	✓	✓	x	✓
	Hostels	✓	✓	✓	✓	✓	✓	x	x
	Housing Scheme	✓	✓	✓	✓	✓	✓	x	x
	Stalls	★	★	✓	x	✓	★	x	x
	Super Market	★	x	✓	★	✓	★	x	x
	Hard where	★	x	✓	x	x	x	x	x
	Filling Station	★	★	★	★	★	★	x	x
	Where house	★	★	✓	x	✓	★	x	x
	Bakery	✓	x	✓	x	x	✓	x	x
	Vehicular Service Stations	★	x	✓	x	✓	x	x	x
	Vehicular Sales Stations	x	x	✓	x	✓	x	x	x
	Service Garage	★	x	✓	x	✓	★	x	x
	Government Office	★	x	✓	✓	✓	x	x	x
	Government Office Schemes	x	x	✓	x	✓	x	x	x
	Banks and Financial Institutions	✓	x	✓	x	✓	x	x	x
	Professional's Office	★	★	✓	x	✓	★	x	x
	ATM	✓	✓	✓	✓	✓	✓	x	✓

	Government Universities	x	x	✓	x	✓	✓	x	x
	Tertiary Educational Institutions	x	x	✓	x	✓	✓	x	✓
	Religious Educational centers	x	x	✓	x	✓	✓	x	✓
	Tuition Classes	★	✓	✓	x	✓	✓	x	x
	Nursery	✓	✓	✓	x	✓	✓	x	x
	Government Hospitals	x	x	✓	x	✓	✓	x	x
	Private Hospitals	x	x	✓	★	✓	★	x	x
	Ayruwedic Hospitals	★	x	✓	x	x	x	x	x
	Dispensary	✓	★	✓	x	✓	★	x	x
	Medical Consultancy Service Stations	x	x	✓	x	x	x	x	x
	Pharmacy	★	★	✓	x	x	★	x	x
	Clinical Labs	★	x	✓	x	x	x	x	x
	SPA Centers	x	x	✓	✓	x	x	x	x
	Tourist Hotels	x	x	★	★	x	★	★	x
	Circuit Bungalow	✓	✓	✓	✓	✓	✓	★	★
	Banquet Halls	x	x	✓	✓	x	x	x	x
	Guest House	★	X	✓	✓	★	★	x	x
	Developments relating to Play Grounds and Open Spaces	★	★	★	★	★	★	x	x
	Libraries	✓	✓	✓	✓	✓	✓	x	✓
	Community Halls / Cultural Centers	✓	✓	✓	✓	✓	✓	x	★

	Film Halls	x	x	✓	x	x	x	x	x
	Adults care homes and Child care homes	✓	✓	x	x	x	✓	x	x
	Gymnasium	✓	x	✓	✓	✓	✓	★	x
	Day Cares	✓	✓	✓	✓	✓	✓	x	x
	Religious Centers	★	★	✓	★	★	★	★	★
	Museums	x	✓	✓	✓	✓	✓	★	✓
	Open Air Theaters	✓	X	✓	✓	✓	✓	★	x
	Public Fair	x	x	✓	x	x	x	x	x
	Public Vehicular Parks	✓	✓	✓	✓	✓	✓	★	★
	Industries	★	x	★	x	★	x	x	x
	Parks	✓	✓	✓	✓	✓	✓	✓	x
	Aquarium	✓	✓	✓	✓	✓	✓	✓	x
	Open Spaces	✓	✓	✓	✓	✓	✓	✓	✓

Note :-

✓ - Permissible Uses
★ - Permissible Uses with Conditions (Please concern on Zoning Regulations)
x - Non Permissible Uses

Chapter 09

Building Limits , Proposed Road width, Reservations

9.1 Building Limits

Table 41 Building Limits

	Road	Building Limits (m)
01	Pavitrapura 1st Street	12
02	Pavitrapura 2nd Street	09
03	Pavitrapura 3rd Street	12
04	Pavitrapura 4th Street	08
05	Perakum Uyana 1st Street	12
06	Perakum Uyana 9th Street	10
07	Pubudu mawatha	09
08	Pubudupuara 1st Street	10
09	Pubudupuara 5th Street	09
10	Pubudupuara 9th Street	09
11	Pubudupura Road	12
12	Pubudupura, Yasasiripura Street	12
13	Purahala pedesa all by road	09
14	Rathnayakapura 1st Street	09
15	Rathnayakapura 2nd Street	12
16	Rathnayakapura 9th Street	12
17	Rathnayakapura all by road	12
18	Sama mawatha	12
19	Samurdhi Bank Street	09
20	Sangabo Street	15
21	Semasinghe Street	12
22	Sirimewan Uyana 1st Street	12
23	Sirimewan Uyana 2nd Street	09
24	Sirimewan Uyana 3rd Street	06
25	Sirimewan Uyana 6th Street	09

26	Smuha Govipala Road	09
27	Stage iii , lot 3, 1st Street	08
28	Stage iii , lot 3, 2nd Street	09
29	Stage iii , lot 3, 3rd Street	09
30	Stage iii , lot 3, 4th Street	09
31	Stage iii , lot 3, 5th Street	09
32	Suhadapuea 1st Road	06
33	Post office house Road	12
34	Thissapura 1st Road	09
35	Thissapura 2nd Road	09
36	Thissapura all by Road	08
37	Udaya Road	12
38	Yasasiripura Transpom er by Road	09
39	Yasasiripura 1 st road	09
40	Yourth Center road	09
41	Agbopura 1st Street	12
42	Agbopura 4th Street	12
43	Agbopura 8th Street	12
44	Agbopura all by Road	09
45	Bandaranayaka Road	15
46	Buddhagaya Street	15
47	Bulankulama disa Street	15
48	D.S.Senanayaka Road	15
49	Freeman Street, Godage Street, Bandaranayake Street, Bulankulama Disa Street all by Road	09
50	Freeman Street 8th street	08
51	Freeman Street	15
52	Gamunupura 4th Street	06
53	Gamunupura 7th Street	08
54	Gamunu 9th Street	09
55	Gamunu 13h Street	08
56	Gamunu 17th Street	08
57	Gamunu 18th Street	08
58	Gamunu 19th Street	08
59	Gamunu 21st Street	09
60	Gamunu 22nd Street	09
61	Gamunupura all by Roads	06
62	Gamunu 5th Street	08
63	Gamunu 3rd Street	08

64	Godage Mawatha	15
65	Infront of Agrarian	08
66	Igal Pitiya Roundabout	08
67	Kirimandala Street	08
68	Isurusiri Vihara Street	08
69	Jayasiripura Ground Street	08
70	Kashyapa Street	15
71	Lenin Street	12
72	Mahanama Uyana 2nd Street	09
73	Mahanama Uyana 3rd Street	09
74	Mahanama Uyana 5th Street	09
75	Mahanama Uyana 6th Street	09
76	Mahanama Uyana 7th Street	09
77	Mahanama Uyana 8th Street	09
78	Mahanama Uyana 10th Street	12
79	Mahanama Uyana 11th Street	12
80	Mahanama Uyana 12th Street	12
81	Maliyadewa Street 1st Stage	09
82	Maliyadewa Street	15
83	From Malwathuoya to Dahaiyagama Juntion Through Maithreepala Senanayake road to all by roads at police Roundabout	09
84	Mee Kiri Street	09
85	Nagasena Street	12
86	Pandukabhya Street	12
87	Pandukabhayapura 4th street	09
88	Pandukabhayapura 8th street	09
89	Pandukabhayapura 9th street	09
90	Pandukabhayapura 10th street	09
91	Pandukabhayapura 11th street	09
92	Pandukabhayapura 17th street	09
93	Pandukabhayapura 19th street	12
94	Pandukabhayapura 26th street	09
95	Pandukabhayapura 27th street	09
96	Pandukabhayapura all Other roads	08
97	Nidahas mawatha	15
98	Perakum Mawatha	12
99	Temple road in Airport road	12

100	Vijaya mawatha	09
101	Somapala Mawatha	09
102	Jaya mawatha	09
103	Rathanasara mawatha	09
104	By road from Rathanasara mawatha to Nidahas mawatha	09
105	Dharmapala mawatha	15
106	K.B.Rathnayaka mawatha	15
107	Harishchandra mawatha	15
108	Jayanthi mawatha	15
109	Sri Maha bodi mawatha	15
110	Senanayaka Veemola road	09
111	A-1 road	12
112	Abhaya Street, Prajashalawa road	12
113	Weerasekararama mawatha	12
114	Dharmapala mawatha, 1st Lane	12
115	Dharmapala mawatha, 2nd Lane	12
116	Meththa Mawatha	9
117	Karuna mawatha	9
118	Karuna mawath Stage iii	9
119	Muditha Mawatha	9
120	Harishchandra Mawatha Stage iv	9
121	Harishchandra Mawatha Stage iii	9
122	Harishchandra Mawatha Stage ii	9
123	Wewa Road	9
124	Dharmapala Mawatha Stage iii	9
125	Bandaranayake Mawatha Stage i	9
126	Bandaranayake Mawatha Stage ii	9
127	Bandaranayake Mawatha Stage iv	9
128	Harishchandra Mawatha Stage i	9
129	Abhaya Pedesa Stage iv	9
130	Abhaya Pedesa Stage i	9
131	Abhaya Pedesa Stage ii	9
132	Abhaya Pedesa Stage iii	8
133	Abhaya Pedesa Stage vii	8
134	Abhaya Pedesa Stage vi	8
135	Abhaya Pedesa Stage viii	8
136	Railway Quarters road	12
137	Vidyala Mawatha	12
138	Vidyala Mawatha Stage i	12
139	Vidyala Mawatha Stage ii	12

140	Vidyala Mawatha Stage iii	12
141	Hospital Road	12
142	Bank Town – Mosque road	12
143	Saliya Mawatha	12
144	Yasapala Herath Mawatha	9
145	Thammennakulama Road	9
146	Ela Road	9
147	Kumbichchankulama wewa road (from Preeman MW to 7th lane)	7.5
148	Maithripala Senanayake Mawatha	15

9.2 Proposed Road Width

Table 42 Proposed Road Width

Road	Proposed Road Width (m)
Angurumaduwa Road	15
Play Ground Road	15
Malwathu Oya Road	12

9.3 Defining Cannel Reservations

9.3.1 Wanniyamkulama Spill Cannel

	Width from Top (Feet)	Width besides from Cannel Band (Feet)
From Bulankulama Dissa Mawatha to Water Board	12	09
Behind water Board	06	3.2
In front of Water Board (Side Drain)	06	3.2
In Godage Mawatha (Side Drain Closer to Telecom Quarters)	09	6.4
From Godage Mawatha to Urban Council 1st lane	15	9

9.3.2 Cannel from Cemetery to Kumbichchankulama Tank

	Width from Top (Feet)	Width besides from Cannel Band (Feet)
From Buddhagaya MW to Pandukabhayapura 17th Lane 1st Cannel	5	6.5
From Buddhagaya MW to Pandukabhayapura 17th Lane 2nd Cannel	5	6.5
From Pandukabhayapura 17th Lane to place where 02 Cannels met together to first Cannel	8	6.5
From Pandukabhayapura 17th Lane to 02nd Cannel	8	6.5
From two Cannels merge together to Bulankulama Dissa MW	15	9
From Bulankulama Dissa MW to Kumbichchankulama Tank	20	11

9.3.3 Cannel Closer to Isurisiri Temple

	Width from Top (Feet)	Width besides from Cannel Band (Feet)
From Cannel Starting Point to Pubudupura Road	**6**	**6**
From Pubudupura road to Malwathu Oya	**12**	**6**

9.3.4 Nayabendi Cannel

Width from top is 15 feet, beside from cannel band 10 feet

PART III

Annexure 01 list of Maps

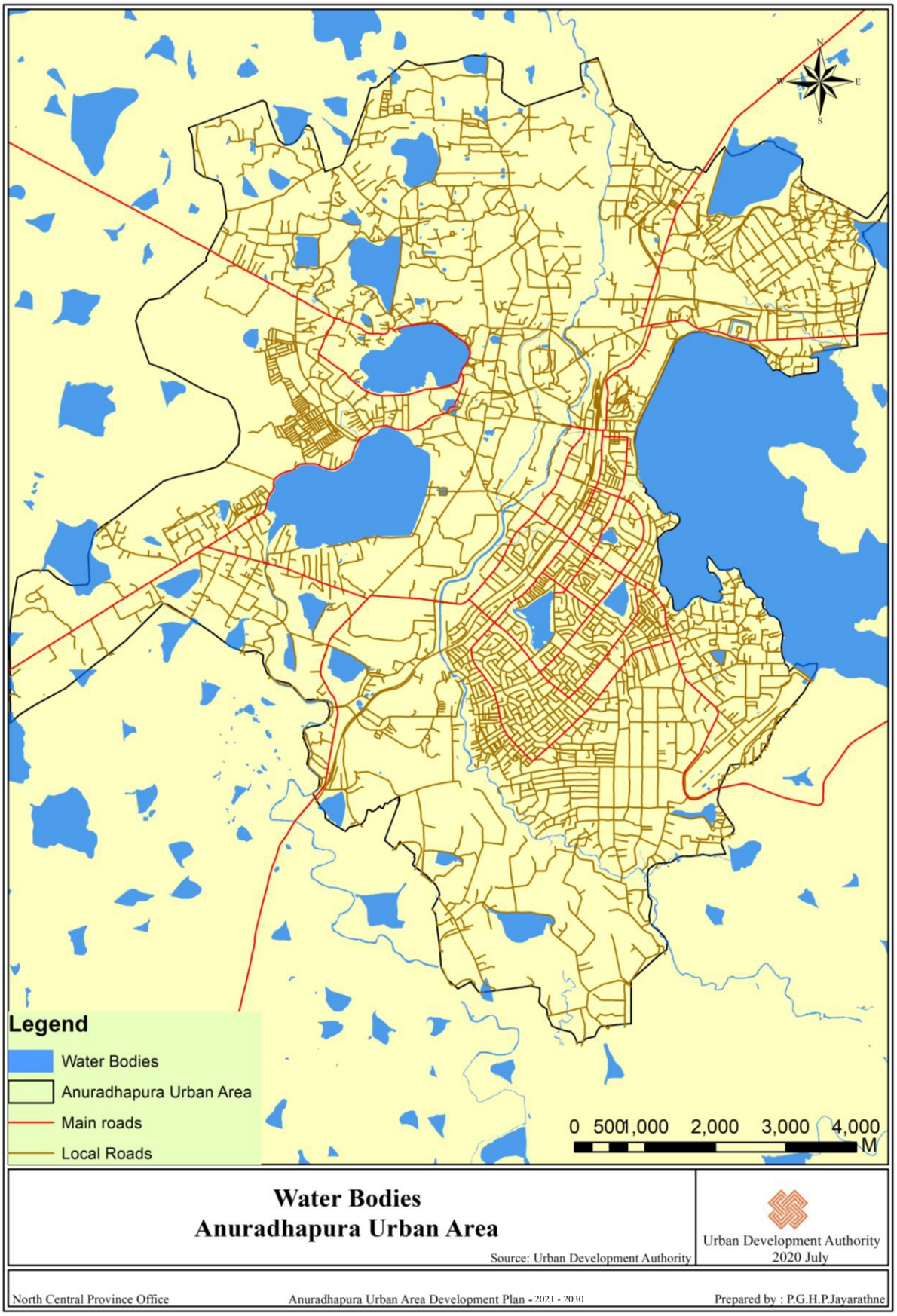
Map 11 Land Use Pattern 2001



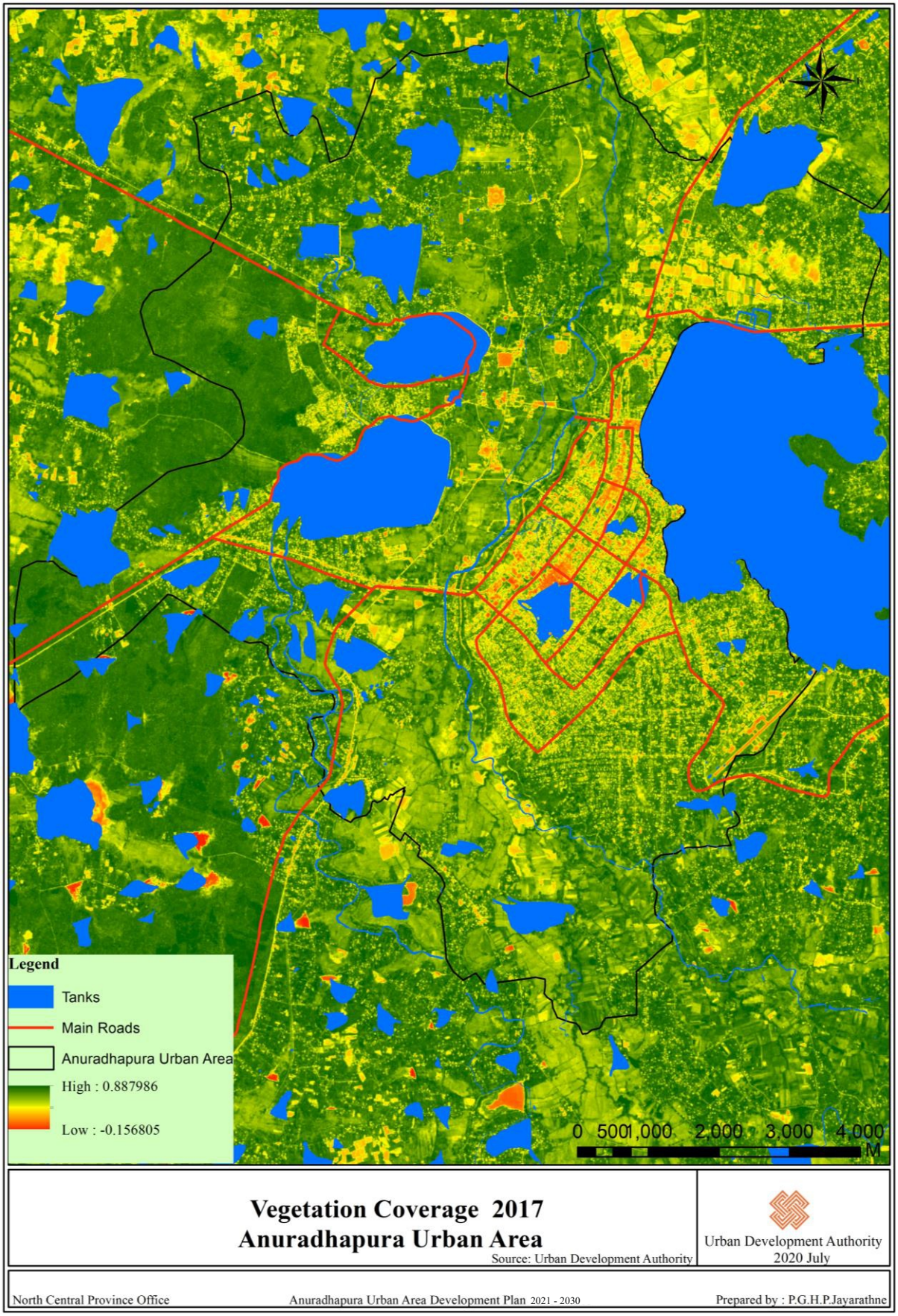
Map 12 Land Use Pattern 2017



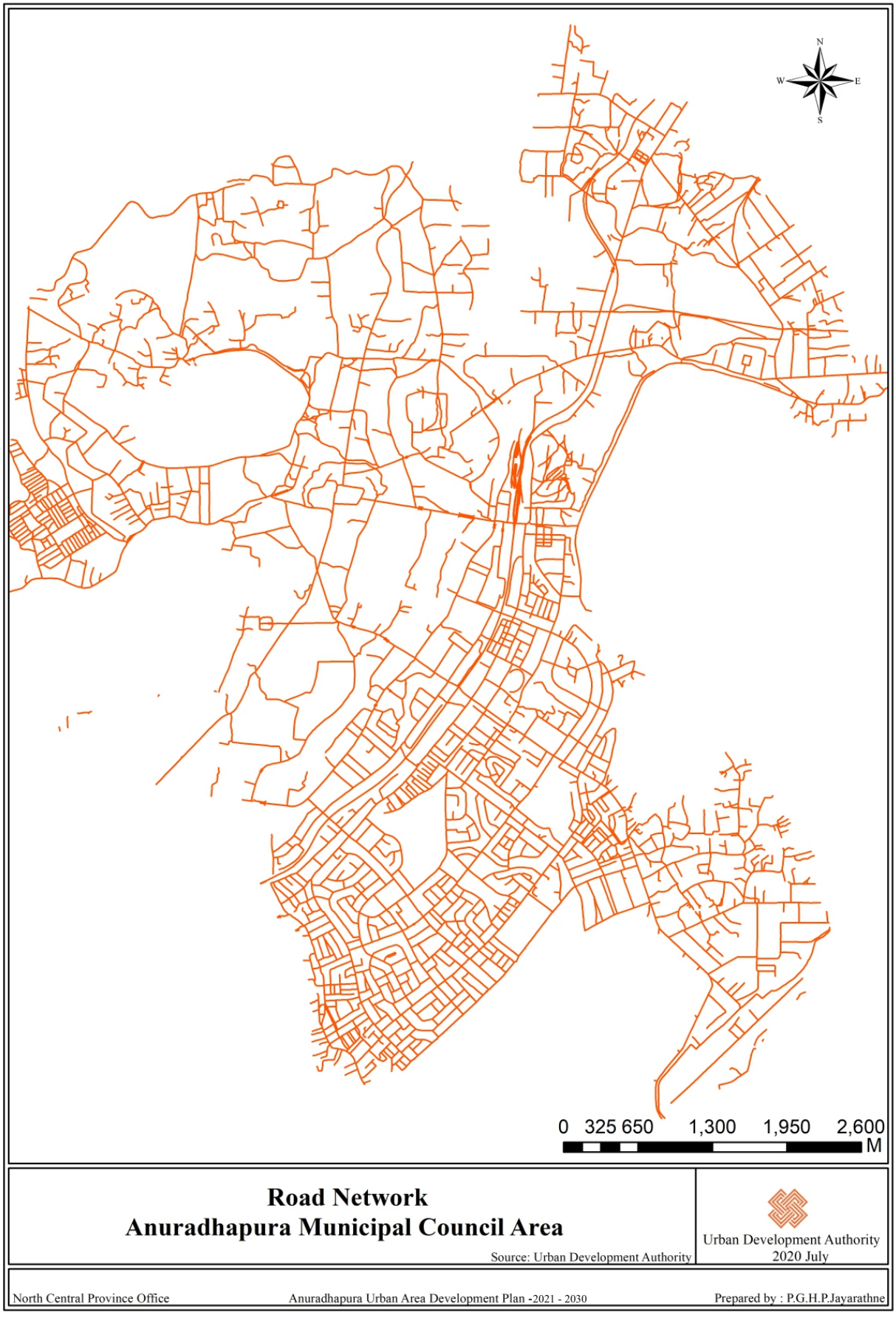
Map 13 Water Areas of Urban Development Area



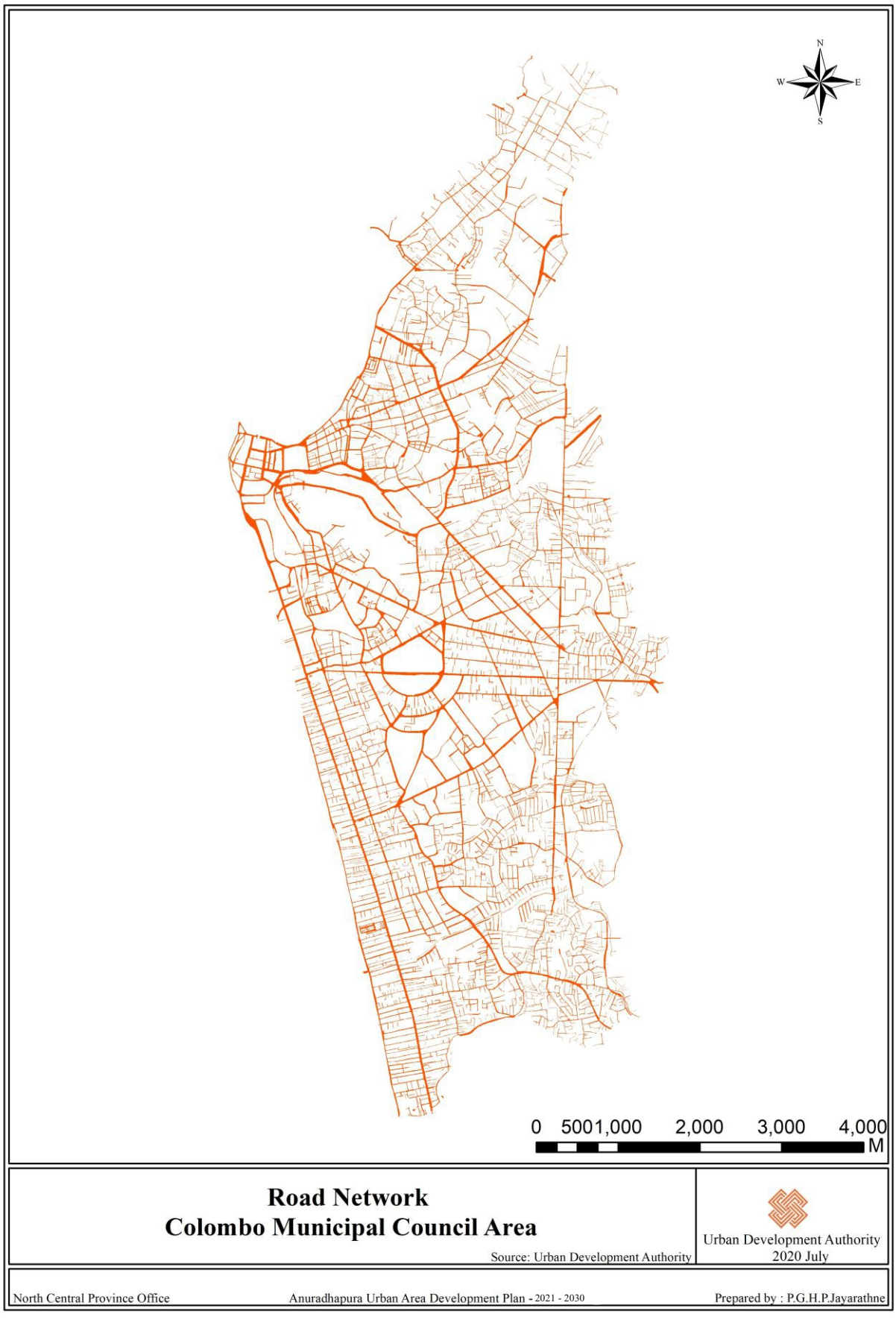
Map 24 Changing of vegetation Cover 2017



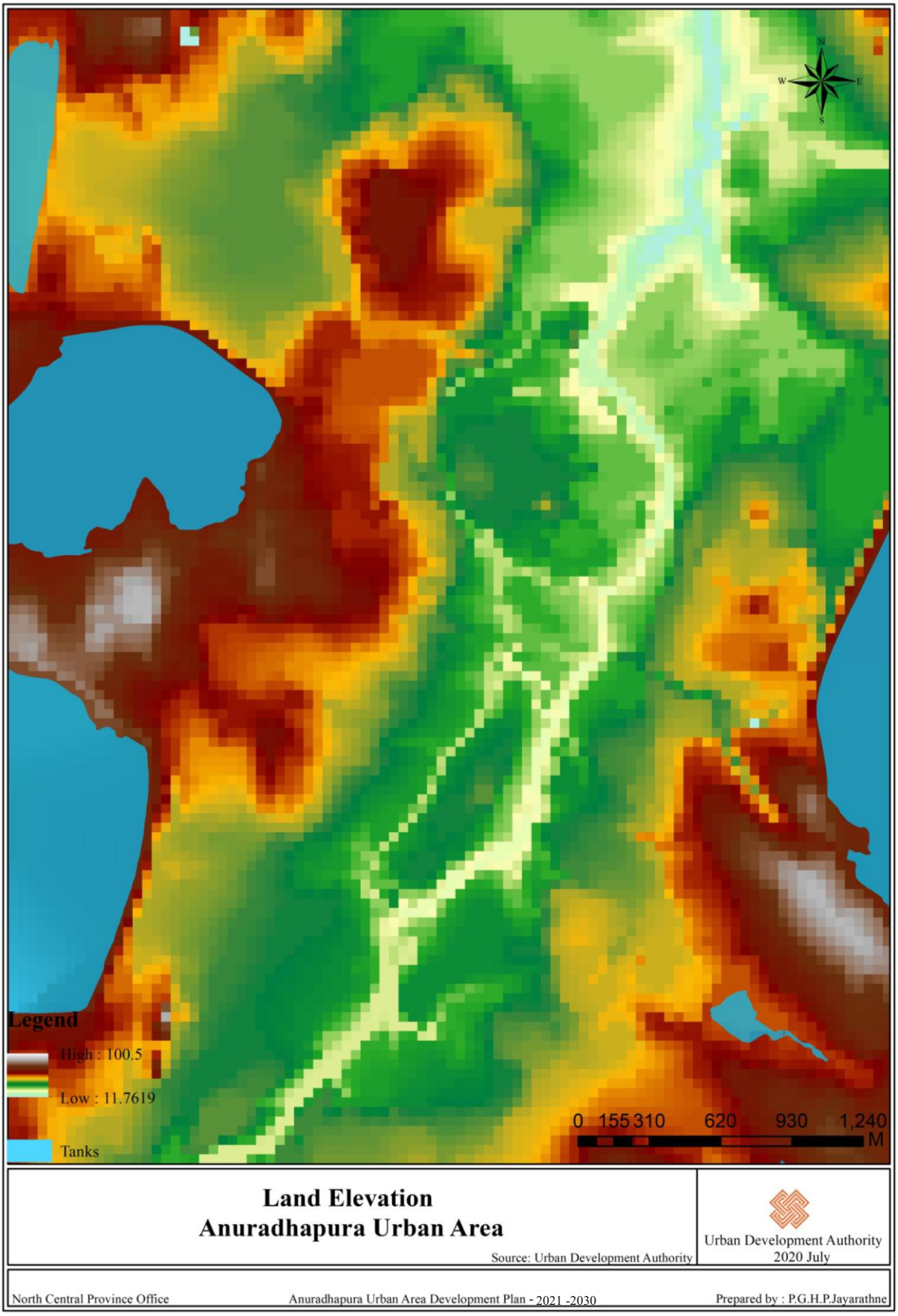
Map 15 Anuradhapura Municipal Council Area Road Network



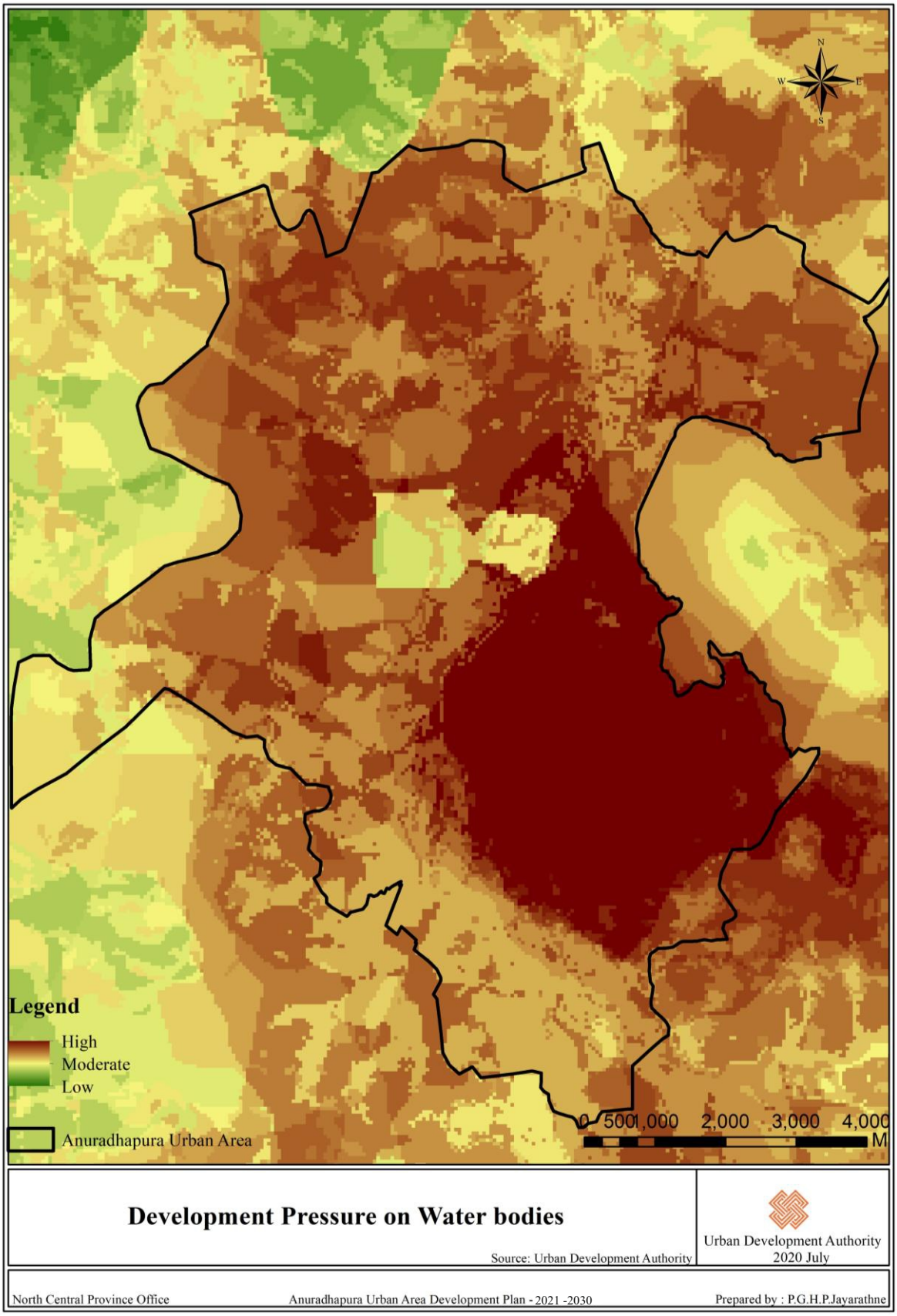
Map 16 Colombo Municipal Council Area Road Network



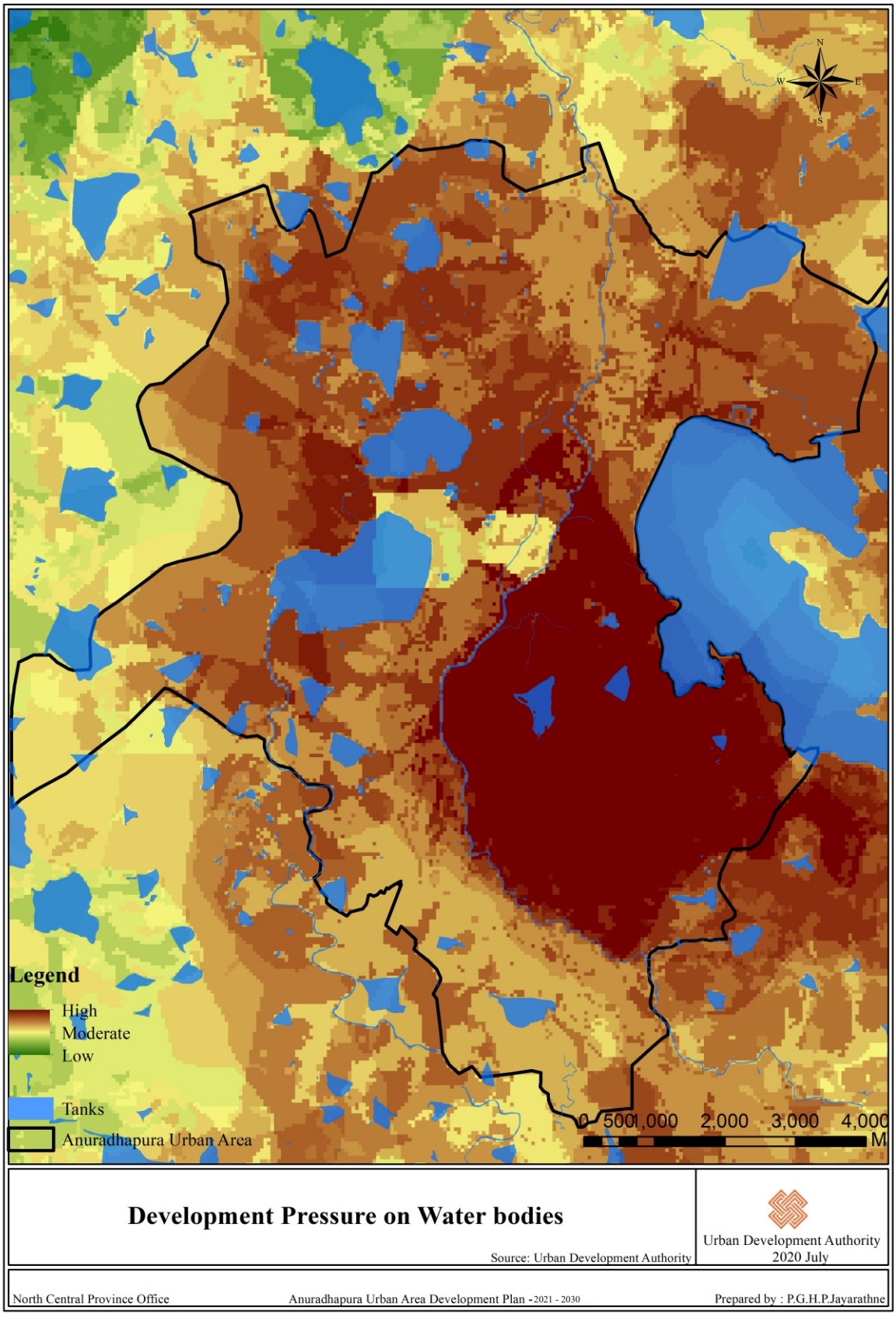
Map 17 Elevation of Land



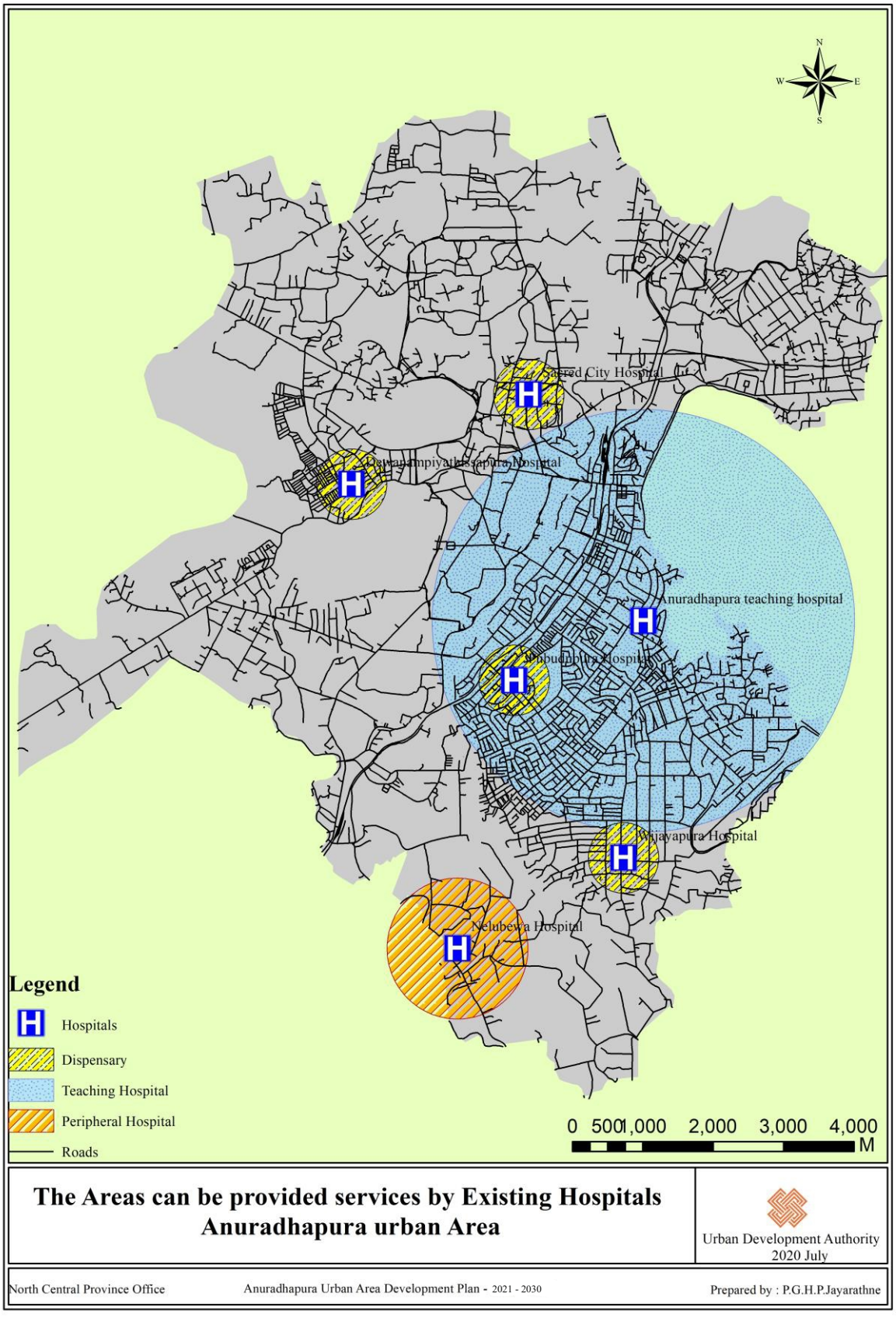
Map 18 Development Pressure on *Environment Sensitive Area*



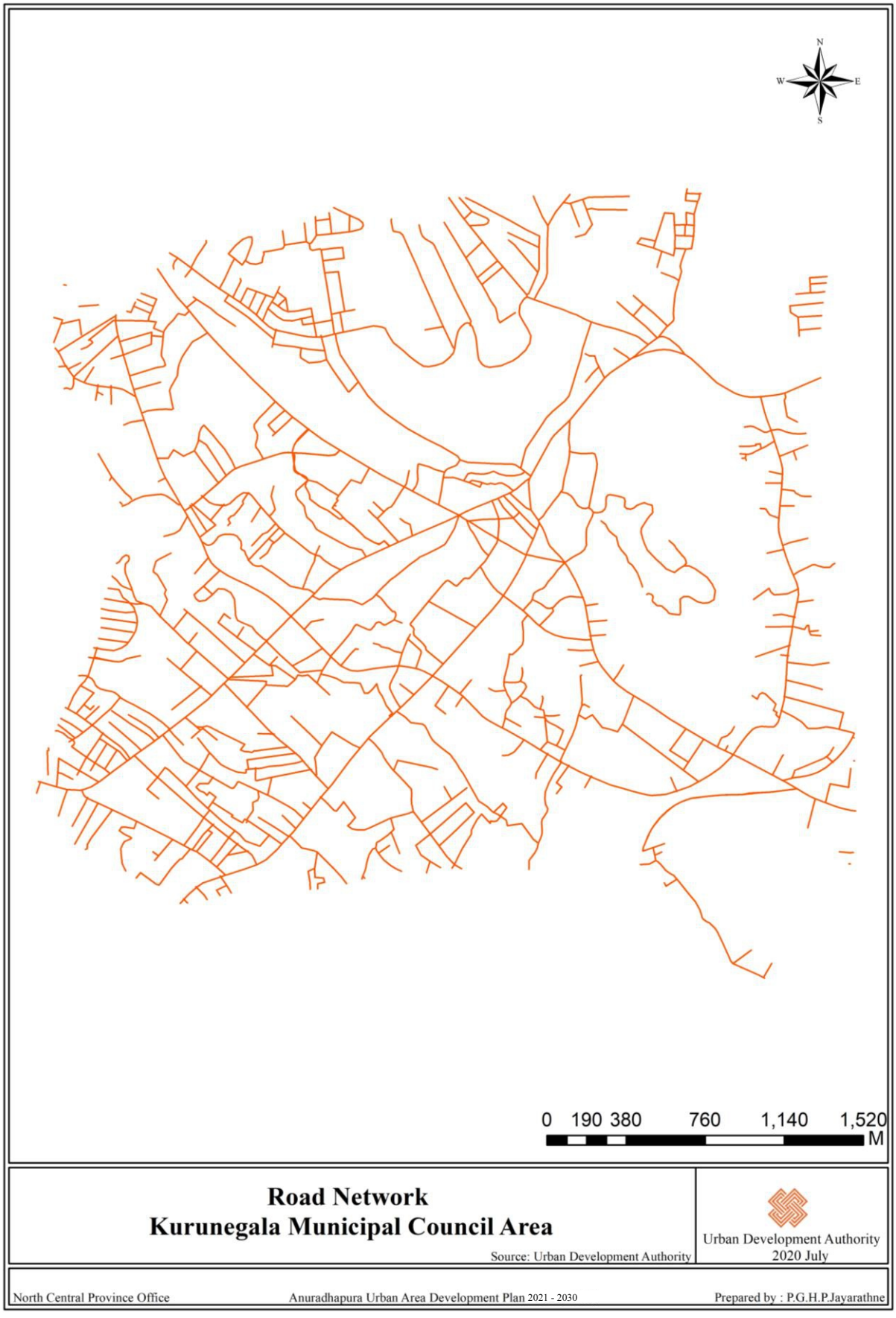
Map 19 Development Pressure on Environment Sensitive Area



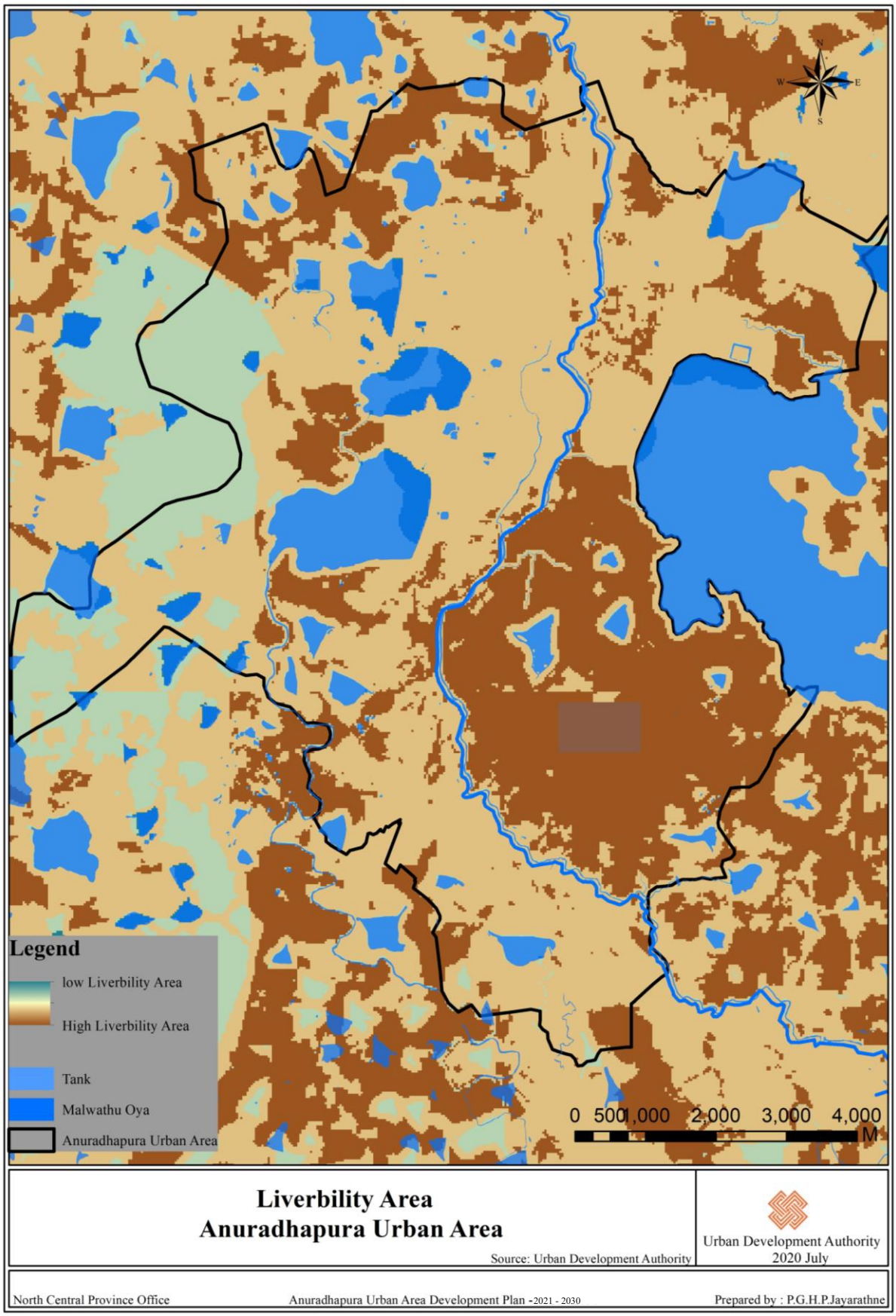
Map 20 The Areas can be provided services by Existing Hospitals



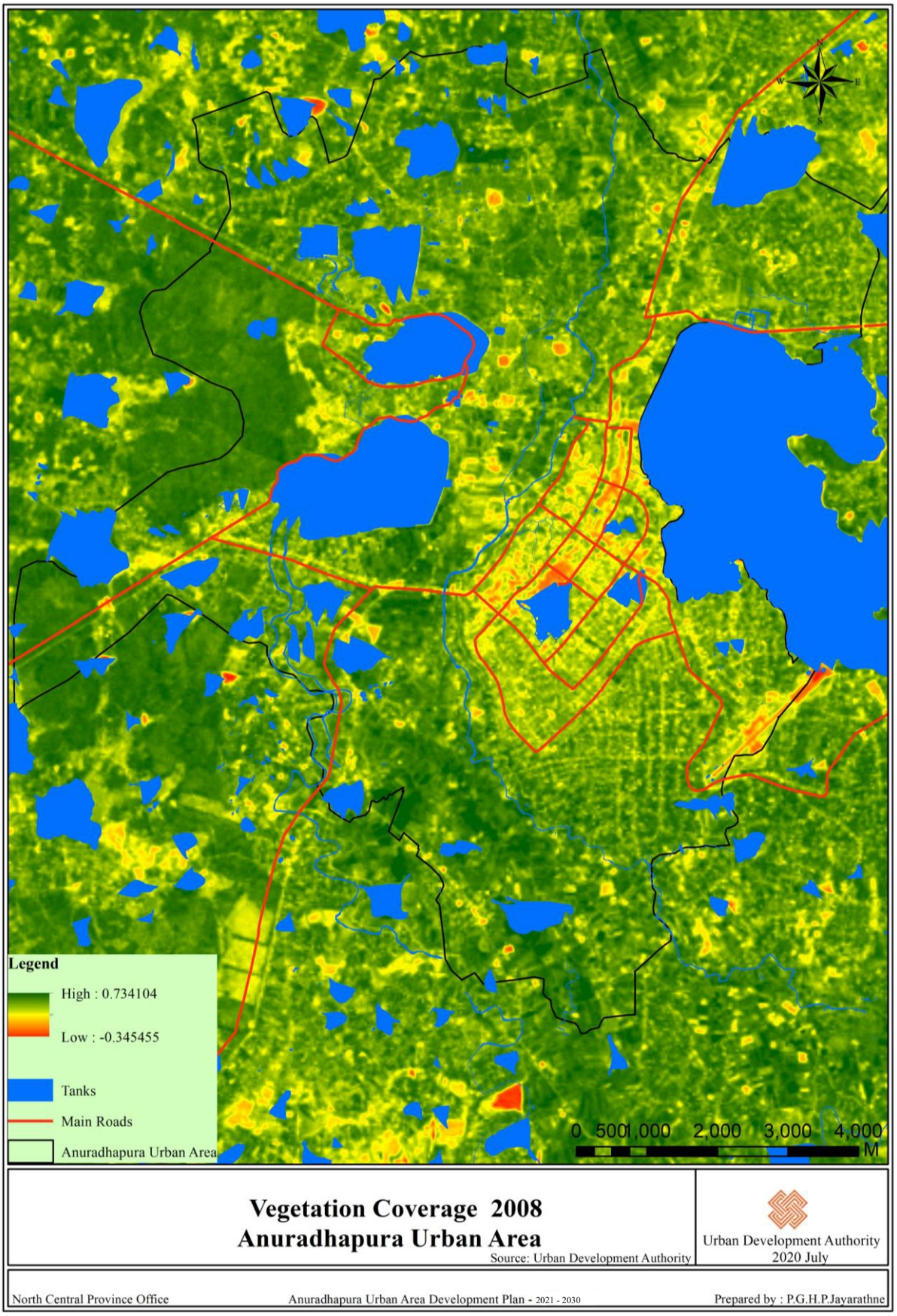
Map 21 Road System of Kurunegala Municipal Council Area



Map 22 Most Suitable Area for living



Map 23 Changing of Vegetation Cover 2008



Residential Zone 01

ID No	X	Y
1	8.37592	80.42190
2	8.37586	80.42200
3	8.37590	80.42300
4	8.37593	80.42360
5	8.37618	80.42360
6	8.37621	80.42390
7	8.37598	80.42420
8	8.37580	80.42440
9	8.37567	80.42460
10	8.37563	80.42500
11	8.37585	80.42530
12	8.37671	80.42580
13	8.37751	80.42620
14	8.37773	80.42650
15	8.37820	80.42690
16	8.37883	80.42740
17	8.37827	80.42760
18	8.37778	80.42810
19	8.37767	80.42850
20	8.37806	80.43000
21	8.37886	80.43140
22	8.37920	80.43200
23	8.37953	80.43250
24	8.37936	80.43370
25	8.37911	80.43390
26	8.37878	80.43410
27	8.37744	80.43720
28	8.37743	80.43710
29	8.37733	80.43720
30	8.37729	80.43720
31	8.37723	80.43720
32	8.37718	80.43720
33	8.37709	80.43730
34	8.37697	80.43730
35	8.37687	80.43730
36	8.37683	80.43720
37	8.37675	80.43720
38	8.37669	80.43710
39	8.37666	80.43710
40	8.37658	80.43700
41	8.37653	80.43690
42	8.37649	80.43680
43	8.37643	80.43680
44	8.37639	80.43670
45	8.37632	80.43670
46	8.37630	80.43670
47	8.37619	80.43660
48	8.37607	80.43650
49	8.37598	80.43640
50	8.37593	80.43630
51	8.37585	80.43630
52	8.37578	80.43620
53	8.37576	80.43620
54	8.37573	80.43610
55	8.37571	80.43610
56	8.37566	80.43600
57	8.37564	80.43590
58	8.37560	80.43580
59	8.37554	80.43570
60	8.37546	80.43570
61	8.37538	80.43560
62	8.37530	80.43560
63	8.37519	80.43560
64	8.37505	80.43550
65	8.37475	80.43540
66	8.37454	80.43530
67	8.37431	80.43530
68	8.37401	80.43520
69	8.37390	80.43510
70	8.37364	80.43490
71	8.37336	80.43460
72	8.37320	80.43450
73	8.37291	80.43430
74	8.37271	80.43420
75	8.37255	80.43410
76	8.37242	80.43380
77	8.37227	80.43340
78	8.37213	80.43280
79	8.37207	80.43250
80	8.37192	80.43180
81	8.37177	80.43110
82	8.37165	80.43070
83	8.37152	80.43040
84	8.37139	80.43020
85	8.37113	80.42990
86	8.37072	80.42970
87	8.37045	80.42950
88	8.37048	80.42950
89	8.37054	80.42960
90	8.37059	80.42960
91	8.37060	80.42960
92	8.37054	80.42970
93	8.37031	80.42980
94	8.36987	80.43020
95	8.36951	80.43050
96	8.36920	80.43070
97	8.36894	80.43090
98	8.36868	80.43110
99	8.36858	80.43120
100	8.36839	80.43130
101	8.36826	80.43140
102	8.36815	80.43150
103	8.36812	80.43150
104	8.36808	80.43150
105	8.36805	80.43150
106	8.36801	80.43160
107	8.36799	80.43160
108	8.36797	80.43160
109	8.36792	80.43160
110	8.36791	80.43170
111	8.36605	80.43300
112	8.36501	80.43390
113	8.36407	80.43470
114	8.36394	80.43490
115	8.36338	80.43520
116	8.36273	80.43560
117	8.36093	80.43690
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3679	8.27340	80.41750
3680	8.27314	80.41720
3681	8.27271	80.41670
3682	8.27260	80.41660
3683	8.27252	80.41650
3684	8.27239	80.41640
3685	8.27229	80.41630
3686	8.27190	80.41600
3687	8.27151	80.41540
3688	8.27056	80.41540
3689	8.26877	80.41540
3690	8.26643	80.41540
3691	8.26588	80.41540
3692	8.26586	80.41430
3693	8.26586	80.41410
3694	8.26584	80.41400
3695	8.26581	80.41360
3696	8.26580	80.41340
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3698	8.26570	80.41180
3699	8.26552	80.41140
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3701	8.26430	80.41090
3702	8.26411	80.40990
3703	8.26400	80.40970
3704	8.26382	80.40910
3705	8.26368	80.40840
3706	8.26405	80.40840
3707	8.26471	80.40790
3708	8.26495	80.40740
3709	8.26524	80.40620
3710	8.26551	80.40540
3711	8.26584	80.40510
3712	8.26632	80.40500
3713	8.26659	80.40460
3714	8.26722	80.40460
3715	8.26776	80.40450
3716	8.26791	80.40410
3717	8.26865	80.40370
3718	8.26933	80.40350
3719	8.27093	80.40370
3720	8.27078	80.40180
3721	8.27051	80.40020
3722	8.27030	80.39890
3723	8.27020	80.39720
3724	8.27006	80.39690
3725	8.27000	80.39670
3726	8.26994	80.39650
3727	8.26987	80.39620
3728	8.26983	80.39600
3729	8.27007	80.39580
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3731	8.27078	80.39540
3732	8.27115	80.39510
3733	8.27127	80.39490
3734	8.27124	80.39450
3735	8.27101	80.39430
3736	8.27093	80.39410
3737	8.27086	80.39390
3738	8.27076	80.39370
3739	8.27072	80.39360
3740	8.27057	80.39340
3741	8.27049	80.39300
3742	8.27077	80.39240
3743	8.27287	80.39100
3744	8.27909	80.39040
3745	8.28018	80.39020
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3747	8.28101	80.38980
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3753	8.28456	80.38940
3754	8.28540	80.38860
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3761	8.28900	80.38540
3762	8.28865	80.38520
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3764	8.28951	80.38370
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3769	8.29376	80.38280
3770	8.29366	80.38260
3771	8.29349	80.38200
3772	8.29320	80.38150
3773	8.29290	80.38130
3774	8.29239	80.38110
3775	8.29140	80.38010
3776	8.29073	80.37840
3777	8.29228	80.37590
3778	8.29315	80.37600
3779	8.29472	80.37480
3780	8.29580	80.37430
3781	8.29606	80.37460
3782	8.29644	80.37500
3783	8.29682	80.37530
3784	8.29704	80.37550
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3787	8.29787	80.37550
3788	8.29813	80.37520
3789	8.29852	80.37480
3790	8.29903	80.37420
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3792	8.29948	80.37390
3793	8.30010	80.37390
3794	8.30079	80.37430
3795	8.30103	80.37440
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3814	8.30956	80.37160
3815	8.30963	80.37150
3816	8.30991	80.37040
3817	8.31013	80.36990
3818	8.31032	80.36940
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3843	8.31441	80.34950
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3847	8.31125	80.34520
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3849	8.31013	80.34400

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3851	8.30903	80.34290
3852	8.30858	80.34170
3853	8.30759	80.34050
3854	8.30631	80.33780
3855	8.30477	80.33550
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3873	8.33189	80.35010
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3875	8.33291	80.35120
3876	8.33344	80.35190
3877	8.33387	80.35240
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3879	8.33465	80.35360
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3885	8.33674	80.35790
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3887	8.33679	80.35860
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3895	8.33677	80.36160
3896	8.33597	80.36180
3897	8.33595	80.36180
3898	8.33549	80.36180
3899	8.33502	80.36180
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3901	8.33499	80.36180
3902	8.33475	80.36170
3903	8.33433	80.36150
3904	8.33367	80.36130
3905	8.33182	80.36160
3906	8.33159	80.36120
3907	8.33148	80.36090
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3915	8.33045	80.36140
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3917	8.33027	80.36150
3918	8.33009	80.36160
3919	8.32999	80.36140
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3937	8.34993	80.37300
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3966	8.34105	80.37330
3967	8.34111	80.37260
3968	8.34114	80.37250
3969	8.34097	80.37220
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3974	8.34091	80.37150
3975	8.34100	80.37140
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3979	8.34131	80.37080
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3984	8.34141	80.37000
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3989	8.34144	80.36970
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3991	8.34197	80.36960
3992	8.34204	80.36950
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3998	8.34308	80.36920
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4007	8.34291	80.36830
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4009	8.34280	80.36820
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4013	8.34270	80.36790

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4255	8.37890	80.38020
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6011	8.30210	80.39550
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6015	8.30219	80.39540
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6069	8.30609	80.39510
6070	8.30612	80.39510
6071	8.30615	80.39510
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6073	8.30620	80.39500
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6075	8.30625	80.39500
6076	8.30627	80.39500
6077	8.30629	80.39500
6078	8.30630	80.39490
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6167	8.31183	80.39420
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6181	8.31227	80.39360
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6197	8.31332	80.39290
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6219	8.31398	80.39230
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6221	8.31402	80.39230
6222	8.31405	80.39230
6223	8.31408	80.39230
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6225	8.31415	80.39230
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6233	8.31439	80.39230
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6242	8.31462	80.39230
6243	8.31463	80.39230
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6245	8.31469	80.39220
6246	8.31469	80.39220
6247	8.31478	80.39220
6248	8.31493	80.39250
6249	8.31505	80.39270
6250	8.31516	80.39290
6251	8.31517	80.39290
6252	8.31523	80.39310
6253	8.31536	80.39320
6254	8.31553	80.39340
6255	8.31571	80.39370
6256	8.31596	80.39390
6257	8.31614	80.39410
6258	8.31653	80.39440
6259	8.31706	80.39470
6260	8.31711	80.39480
6261	8.31758	80.39500
6262	8.31810	80.39530
6263	8.31851	80.39560
6264	8.31905	80.39600
6265	8.31918	80.39610
6266	8.31908	80.39630
6267	8.31897	80.39640
6268	8.31890	80.39650

6269	8.31859	80.39680
6270	8.31798	80.39750
6271	8.31792	80.39760
6272	8.31761	80.39790
6273	8.31723	80.39840
6274	8.31673	80.39900
6275	8.31653	80.39930
6276	8.31619	80.39960
6277	8.31595	80.39990
6278	8.31591	80.39990
6279	8.31583	80.40000
6280	8.31575	80.40010
6281	8.31567	80.40020
6282	8.31559	80.40020
6283	8.31551	80.40030
6284	8.31542	80.40040
6285	8.31532	80.40050
6286	8.31524	80.40060
6287	8.31497	80.40080
6288	8.31481	80.40090
6289	8.31466	80.40100
6290	8.31449	80.40120
6291	8.31433	80.40130
6292	8.31419	80.40140
6293	8.31398	80.40160
6294	8.31371	80.40180
6295	8.31349	80.40200
6296	8.31335	80.40210
6297	8.31321	80.40220
6298	8.31308	80.40230
6299	8.31262	80.40260
6300	8.31238	80.40280
6301	8.31221	80.40290
6302	8.31200	80.40310
6303	8.31191	80.40320
6304	8.31182	80.40330
6305	8.31170	80.40340
6306	8.31163	80.40340
6307	8.31153	80.40350
6308	8.31159	80.40360
6309	8.31145	80.40370

6310	8.31209	80.40440
6311	8.31309	80.40540
6312	8.31311	80.40540
6313	8.31414	80.40640
6314	8.31566	80.40760
6315	8.31696	80.40860
6316	8.31944	80.41050
6317	8.32053	80.41140
6318	8.32107	80.41200
6319	8.32190	80.41250
6320	8.32329	80.41340
6321	8.32412	80.41400
6322	8.32403	80.41410
6323	8.32378	80.41460
6324	8.32358	80.41490
6325	8.32328	80.41540
6326	8.32306	80.41580
6327	8.32290	80.41610
6328	8.32271	80.41640
6329	8.32254	80.41670
6330	8.32210	80.41740
6331	8.32194	80.41770
6332	8.32177	80.41790
6333	8.32147	80.41820
6334	8.32120	80.41840
6335	8.32111	80.41850
6336	8.32072	80.41880
6337	8.32057	80.41890
6338	8.32044	80.41900
6339	8.32016	80.41920
6340	8.32002	80.41930
6341	8.31999	80.41930
6342	8.31984	80.41940
6343	8.31974	80.41950
6344	8.31970	80.41950
6345	8.31964	80.41950
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6349	8.31849	80.41960
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6353	8.31785	80.41980
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6356	8.31806	80.41990
6357	8.31819	80.42000
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6359	8.31879	80.42050
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6369	8.31901	80.42130
6370	8.31928	80.42140
6371	8.31930	80.42150
6372	8.31929	80.42170
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6374	8.31942	80.42180
6375	8.31956	80.42200
6376	8.31965	80.42210
6377	8.31975	80.42230
6378	8.32001	80.42260
6379	8.32024	80.42280
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6382	8.32082	80.42320
6383	8.32089	80.42330
6384	8.32092	80.42330
6385	8.32101	80.42350
6386	8.32108	80.42370
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6391	8.32113	80.42420

6392	8.32113	80.42430
6393	8.32103	80.42470
6394	8.32089	80.42480
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6396	8.32058	80.42500
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6405	8.32069	80.42690
6406	8.32083	80.42710
6407	8.32093	80.42720
6408	8.32127	80.42720
6409	8.32135	80.42700
6410	8.32154	80.42680
6411	8.32180	80.42670
6412	8.32194	80.42680
6413	8.32196	80.42690
6414	8.32197	80.42710

6415	8.32218	80.42710
6416	8.32231	80.42700
6417	8.32246	80.42700
6418	8.32261	80.42700
6419	8.32279	80.42700
6420	8.32286	80.42700
6421	8.32294	80.42690
6422	8.32299	80.42680
6423	8.32303	80.42680
6424	8.32319	80.42680
6425	8.32335	80.42670
6426	8.32355	80.42670
6427	8.32361	80.42670
6428	8.32376	80.42660
6429	8.32389	80.42640
6430	8.32401	80.42620
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6432	8.32418	80.42600
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6434	8.32399	80.42580
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6437	8.32407	80.42560

6438	8.32414	80.42550
6439	8.32439	80.42530
6440	8.32509	80.42510
6441	8.32519	80.42510
6442	8.32546	80.42530
6443	8.32604	80.42510
6444	8.32612	80.42510
6445	8.32632	80.42530
6446	8.32632	80.42540
6447	8.32631	80.42550
6448	8.32585	80.42580
6449	8.32532	80.42610
6450	8.32499	80.42630
6451	8.32466	80.42660
6452	8.32280	80.41610
6453	8.32366	80.41460
6454	8.32320	80.41450
6455	8.32277	80.41500
6456	8.32231	80.41590
6457	8.32259	80.41600
6458	8.32280	80.41610
6459	8.31544	80.41360
6460	8.31514	80.41410

6461	8.31522	80.41420
6462	8.31536	80.41430
6463	8.31591	80.41470
6464	8.31604	80.41460
6465	8.31627	80.41430
6466	8.31544	80.41360
6467	8.30499	80.39860
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6470	8.30463	80.39880
6471	8.30474	80.39900
6472	8.30482	80.39920
6473	8.30541	80.39890
6474	8.30530	80.39850
6475	8.30510	80.39850
6476	8.30499	80.39860
6477	8.30019	80.40230
6478	8.29993	80.40260
6479	8.30037	80.40320
6480	8.30066	80.40290
6481	8.30019	80.40230

Residential Zone 02

ID No	X	Y
1	8.34107	80.38030
2	8.34112	80.38000
3	8.34114	80.37970
4	8.34132	80.37920
5	8.34136	80.37920
6	8.34137	80.37920
7	8.34142	80.37910
8	8.34149	80.37900
9	8.34160	80.37890
10	8.34178	80.37870
11	8.34183	80.37860
12	8.34233	80.37800
13	8.34297	80.37730
14	8.34312	80.37710
15	8.34333	80.37690
16	8.34339	80.37680
17	8.34351	80.37670
18	8.34383	80.37650
19	8.34445	80.37620
20	8.34492	80.37590
21	8.34509	80.37580
22	8.34513	80.37580
23	8.34518	80.37580
24	8.34577	80.37550
25	8.34576	80.37550
26	8.34575	80.37550
27	8.34639	80.37530
28	8.34706	80.37510
29	8.34726	80.37500
30	8.34752	80.37480
31	8.34771	80.37460
32	8.34781	80.37450
33	8.34806	80.37430
34	8.34829	80.37410
35	8.34868	80.37380
36	8.34870	80.37380
37	8.34880	80.37370
38	8.34897	80.37350
39	8.34956	80.37320
40	8.34993	80.37300
41	8.35045	80.37280
42	8.35073	80.37270
43	8.35203	80.37250
44	8.35248	80.37240
45	8.35257	80.37240
46	8.35389	80.37220
47	8.35489	80.37220
48	8.35513	80.37220
49	8.35655	80.37220
50	8.35889	80.37240
51	8.35933	80.37240
52	8.35727	80.37630
53	8.35692	80.37700
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55	8.35635	80.37710
56	8.35580	80.37680
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59	8.35441	80.37610
60	8.35405	80.37580
61	8.35346	80.37570
62	8.35294	80.37540
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64	8.35246	80.37590
65	8.35189	80.37560
66	8.35169	80.37600
67	8.35218	80.37650
68	8.35192	80.37670
69	8.35175	80.37720
70	8.35153	80.37760
71	8.35138	80.37810
72	8.35138	80.37830
73	8.35128	80.37860
74	8.35116	80.37910
75	8.35114	80.37980
76	8.35095	80.38000
77	8.35004	80.38080
78	8.34984	80.38080
79	8.34968	80.38080
80	8.34951	80.38080
81	8.34934	80.38080
82	8.34927	80.38070
83	8.34922	80.38060
84	8.34920	80.38040
85	8.34917	80.38040
86	8.34911	80.38030
87	8.34904	80.38000
88	8.34898	80.37990
89	8.34889	80.37970
90	8.34879	80.37960
91	8.34874	80.37960
92	8.34842	80.38000
93	8.34814	80.38030
94	8.34795	80.38060
95	8.34779	80.38080
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97	8.34751	80.38120
98	8.34745	80.38130
99	8.34733	80.38160
100	8.34717	80.38200
101	8.34704	80.38240
102	8.34698	80.38270
103	8.34687	80.38340
104	8.34688	80.38410
105	8.34693	80.38520
106	8.34698	80.38630
107	8.34700	80.38670
108	8.34661	80.38670
109	8.34370	80.38670
110	8.34245	80.38670
111	8.34246	80.38650
112	8.34244	80.38630
113	8.34249	80.38610
114	8.34252	80.38590
115	8.34254	80.38570
116	8.34257	80.38540
117	8.34261	80.38510
118	8.34268	80.38480
119	8.34279	80.38460
120	8.34296	80.38420
121	8.34305	80.38400
122	8.34308	80.38390
123	8.34307	80.38380
124	8.34307	80.38370
125	8.34304	80.38350
126	8.34300	80.38330
127	8.34299	80.38330
128	8.34297	80.38320
129	8.34293	80.38300
130	8.34291	80.38290
131	8.34288	80.38270
132	8.34282	80.38240
133	8.34281	80.38240
134	8.34276	80.38220
135	8.34275	80.38220
136	8.34266	80.38210
137	8.34242	80.38180
138	8.34216	80.38160
139	8.34206	80.38150
140	8.34184	80.38120
141	8.34174	80.38100
142	8.34161	80.38070
143	8.34151	80.38060
144	8.34136	80.38040
145	8.34110	80.38020
146	8.34107	80.38030

Commercial Zone

ID No	X	Y
1	8.34217	80.41260
2	8.34166	80.41260
3	8.34165	80.41260
4	8.34164	80.41230
5	8.34174	80.41180
6	8.34131	80.41170
7	8.34127	80.41180
8	8.34119	80.41180
9	8.34115	80.41190
10	8.34110	80.41240
11	8.34079	80.41250
12	8.34076	80.41250
13	8.34074	80.41260
14	8.34044	80.41260
15	8.34048	80.41250
16	8.34047	80.41250
17	8.34029	80.41250
18	8.34028	80.41250
19	8.34020	80.41250
20	8.33973	80.41250
21	8.33943	80.41250
22	8.33931	80.41250
23	8.33924	80.41260
24	8.33915	80.41260
25	8.33909	80.41260
26	8.33874	80.41290
27	8.33835	80.41310
28	8.33814	80.41330
29	8.33789	80.41350
30	8.33762	80.41370
31	8.33740	80.41380
32	8.33688	80.41430
33	8.33669	80.41450
34	8.33556	80.41430
35	8.33475	80.41410
36	8.33415	80.41390
37	8.33392	80.41380
38	8.33391	80.41370
39	8.33390	80.41380
40	8.33390	80.41380
41	8.33378	80.41370
42	8.33378	80.41370
43	8.33378	80.41370
44	8.33378	80.41370
45	8.33377	80.41370
46	8.33377	80.41370
47	8.33376	80.41380
48	8.33375	80.41380
49	8.33375	80.41380
50	8.33374	80.41380
51	8.33373	80.41390
52	8.33373	80.41390
53	8.33372	80.41390
54	8.33372	80.41390
55	8.33371	80.41390
56	8.33370	80.41390
57	8.33370	80.41390
58	8.33365	80.41400
59	8.33360	80.41410
60	8.33353	80.41430
61	8.33348	80.41440
62	8.33341	80.41450
63	8.33334	80.41460
64	8.33329	80.41470
65	8.33327	80.41480
66	8.33321	80.41490
67	8.33313	80.41500
68	8.33303	80.41510
69	8.33292	80.41530
70	8.33285	80.41540
71	8.33273	80.41560
72	8.33268	80.41560
73	8.33257	80.41570
74	8.33247	80.41580
75	8.33240	80.41590
76	8.33220	80.41600
77	8.33193	80.41620
78	8.33172	80.41640
79	8.33162	80.41640
80	8.33150	80.41650
81	8.33134	80.41650
82	8.33122	80.41660
83	8.33108	80.41660
84	8.33102	80.41670
85	8.33090	80.41670
86	8.33077	80.41680
87	8.33068	80.41680
88	8.33059	80.41680
89	8.33050	80.41680
90	8.33043	80.41680
91	8.33037	80.41690
92	8.33037	80.41690
93	8.33036	80.41690
94	8.33009	80.41690
95	8.32992	80.41700
96	8.32980	80.41700
97	8.32962	80.41700
98	8.32921	80.41690
99	8.32889	80.41690
100	8.32851	80.41680
101	8.32833	80.41680
102	8.32802	80.41670
103	8.32784	80.41660
104	8.32762	80.41650
105	8.32729	80.41630
106	8.32701	80.41610
107	8.32617	80.41550
108	8.32525	80.41480
109	8.32487	80.41450
110	8.32470	80.41440
111	8.32443	80.41420
112	8.32412	80.41400
113	8.32329	80.41340
114	8.32190	80.41250
115	8.32107	80.41200
116	8.32053	80.41140
117	8.31944	80.41050
118	8.31696	80.40860
119	8.31566	80.40760
120	8.31414	80.40640
121	8.31311	80.40540
122	8.31309	80.40540
123	8.31209	80.40440
124	8.31145	80.40370
125	8.31159	80.40360
126	8.31153	80.40350
127	8.31163	80.40340
128	8.31170	80.40340
129	8.31182	80.40330
130	8.31191	80.40320
131	8.31200	80.40310
132	8.31221	80.40290
133	8.31238	80.40280
134	8.31262	80.40260
135	8.31308	80.40230
136	8.31321	80.40220
137	8.31331	80.40210
138	8.31335	80.40210
139	8.31349	80.40200
140	8.31371	80.40180
141	8.31398	80.40160
142	8.31408	80.40150
143	8.31419	80.40140
144	8.31433	80.40130
145	8.31449	80.40120
146	8.31466	80.40100
147	8.31481	80.40090
148	8.31494	80.40080
149	8.31497	80.40080
150	8.31524	80.40060
151	8.31532	80.40050
152	8.31542	80.40040
153	8.31551	80.40030
154	8.31559	80.40020
155	8.31567	80.40020
156	8.31575	80.40010
157	8.31583	80.40000
158	8.31591	80.39990
159	8.31595	80.39990
160	8.31619	80.39960
161	8.31653	80.39930

162	8.31662	80.39920
163	8.31673	80.39900
164	8.31723	80.39840
165	8.31757	80.39800
166	8.31761	80.39790
167	8.31792	80.39760
168	8.31798	80.39750
169	8.31839	80.39700
170	8.31859	80.39680
171	8.31890	80.39650
172	8.31897	80.39640
173	8.31908	80.39630
174	8.31918	80.39610
175	8.31925	80.39610
176	8.31925	80.39610
177	8.31929	80.39600
178	8.31937	80.39620
179	8.31963	80.39650
180	8.31985	80.39680
181	8.32018	80.39720
182	8.32098	80.39840
183	8.32101	80.39850
184	8.32149	80.39920
185	8.32291	80.40110
186	8.32502	80.40300
187	8.32522	80.40310
188	8.32575	80.40350
189	8.32686	80.40440
190	8.32693	80.40440
191	8.32846	80.40560
192	8.32915	80.40610
193	8.32962	80.40640
194	8.32967	80.40640
195	8.33145	80.40770
196	8.33271	80.40850
197	8.33305	80.40870
198	8.33450	80.40940
199	8.33538	80.40970
200	8.33553	80.40970
201	8.33724	80.41020
202	8.34046	80.41060
203	8.34239	80.41080
204	8.34239	80.41080
205	8.34235	80.41180
206	8.34232	80.41240
207	8.34231	80.41250
208	8.34226	80.41260
209	8.34223	80.41250
210	8.34217	80.41260
211	8.33340	80.40970
212	8.33312	80.40960
213	8.33312	80.40950
214	8.33307	80.40950
215	8.33214	80.40900
216	8.33131	80.40860
217	8.33128	80.40860
218	8.33111	80.40890
219	8.33115	80.40900
220	8.33132	80.40910
221	8.33210	80.40950
222	8.33172	80.41020
223	8.33259	80.41060
224	8.33305	80.41080
225	8.33444	80.41130
226	8.33486	80.41030
227	8.33482	80.41030
228	8.33415	80.41000
229	8.33369	80.40990
230	8.33340	80.40970
231	8.33008	80.41690
232	8.33005	80.41690
233	8.33008	80.41690
234	8.33008	80.41690
235	8.32661	80.40940
236	8.32624	80.41000
237	8.32658	80.41020
238	8.32836	80.40770
239	8.32803	80.40740
240	8.32798	80.40760
241	8.32792	80.40760
242	8.32757	80.40810
243	8.32719	80.40860
244	8.32661	80.40940
245	8.31961	80.40070
246	8.31961	80.40070
247	8.31961	80.40070
248	8.31965	80.40090
249	8.31969	80.40110
250	8.31974	80.40150
251	8.31981	80.40160
252	8.31995	80.40160
253	8.31996	80.40170
254	8.32011	80.40190
255	8.32055	80.40250
256	8.32089	80.40300
257	8.32113	80.40330
258	8.32136	80.40380
259	8.32158	80.40420
260	8.32182	80.40450
261	8.32216	80.40490
262	8.32231	80.40500
263	8.32272	80.40550
264	8.32289	80.40560
265	8.32310	80.40570
266	8.32370	80.40480
267	8.32400	80.40440
268	8.32429	80.40400
269	8.32377	80.40350
270	8.32282	80.40280
271	8.32248	80.40250
272	8.32208	80.40220
273	8.32137	80.40140
274	8.32080	80.40060
275	8.32073	80.40070
276	8.32047	80.40080
277	8.32035	80.40080
278	8.32022	80.40090
279	8.32002	80.40090
280	8.31995	80.40080
281	8.31977	80.40070
282	8.31961	80.40070

Tourism Zone

ID No	X	Y
1	8.35544	80.42420
2	8.35517	80.42410
3	8.35523	80.42410
4	8.35523	80.42410
5	8.35523	80.42410
6	8.35524	80.42380
7	8.35522	80.42330
8	8.35518	80.42310
9	8.35508	80.42280
10	8.35493	80.42250
11	8.35464	80.42200
12	8.35441	80.42170
13	8.35413	80.42120
14	8.35394	80.42110
15	8.35373	80.42090
16	8.35317	80.42060
17	8.35273	80.42040
18	8.35208	80.42020
19	8.35136	80.41980
20	8.35081	80.41960
21	8.34987	80.41920
22	8.34943	80.41900
23	8.34902	80.41880
24	8.34849	80.41850
25	8.34813	80.41840
26	8.34774	80.41820
27	8.34727	80.41800
28	8.34540	80.41700
29	8.34401	80.41640
30	8.34255	80.41580
31	8.34159	80.41560
32	8.34134	80.41550
33	8.34104	80.41550
34	8.34051	80.41560
35	8.34003	80.41570
36	8.33952	80.41580
37	8.33900	80.41590
38	8.33829	80.41600
39	8.33772	80.41600
40	8.33762	80.41610
41	8.33695	80.41610
42	8.33657	80.41610
43	8.33624	80.41630
44	8.33596	80.41650
45	8.33564	80.41680
46	8.33546	80.41680
47	8.33529	80.41670
48	8.33517	80.41700
49	8.33500	80.41710
50	8.33464	80.41710
51	8.33441	80.41720
52	8.33423	80.41740
53	8.33393	80.41790
54	8.33384	80.41800
55	8.33362	80.41820
56	8.33339	80.41840
57	8.33282	80.41860
58	8.33281	80.41860
59	8.33252	80.41880
60	8.33217	80.41910
61	8.33204	80.41930
62	8.33184	80.41940
63	8.33180	80.41950
64	8.33184	80.41980
65	8.33190	80.42000
66	8.33203	80.42020
67	8.33197	80.42040
68	8.33183	80.42060
69	8.33183	80.42090
70	8.33184	80.42110
71	8.33164	80.42120
72	8.33141	80.42130
73	8.33130	80.42150
74	8.33128	80.42140
75	8.33126	80.42150
76	8.33113	80.42150
77	8.33088	80.42140
78	8.33064	80.42130
79	8.33037	80.42110
80	8.33011	80.42080
81	8.32998	80.42070
82	8.32973	80.42020
83	8.32970	80.42010
84	8.32958	80.41960
85	8.32932	80.41940
86	8.32908	80.41910
87	8.32887	80.41890
88	8.32878	80.41860
89	8.32822	80.41860
90	8.32780	80.41860
91	8.32689	80.41880
92	8.32592	80.41910
93	8.32544	80.41920
94	8.32478	80.41910
95	8.32400	80.41890
96	8.32361	80.41880
97	8.32308	80.41880
98	8.32272	80.41900
99	8.32248	80.41940
100	8.32231	80.41990
101	8.32190	80.42000
102	8.32158	80.42020
103	8.32124	80.42050
104	8.32052	80.42060
105	8.32051	80.42050
106	8.32045	80.42060
107	8.32032	80.42060
108	8.32010	80.42070
109	8.31979	80.42070
110	8.31956	80.42080
111	8.31940	80.42090
112	8.31934	80.42120
113	8.31936	80.42150
114	8.31930	80.42150
115	8.31928	80.42140
116	8.31901	80.42130
117	8.31896	80.42120
118	8.31892	80.42110
119	8.31883	80.42090
120	8.31879	80.42090
121	8.31879	80.42080
122	8.31886	80.42070
123	8.31886	80.42070
124	8.31884	80.42060
125	8.31882	80.42050
126	8.31879	80.42050
127	8.31855	80.42030
128	8.31819	80.42000
129	8.31806	80.41990
130	8.31797	80.41990
131	8.31784	80.41980
132	8.31785	80.41980
133	8.31791	80.41970
134	8.31820	80.41960
135	8.31833	80.41960
136	8.31849	80.41960
137	8.31872	80.41960
138	8.31902	80.41960
139	8.31907	80.41960
140	8.31942	80.41960
141	8.31961	80.41950
142	8.31964	80.41950
143	8.31970	80.41950
144	8.31974	80.41950
145	8.31984	80.41940
146	8.31999	80.41930
147	8.32002	80.41930
148	8.32016	80.41920
149	8.32030	80.41910
150	8.32044	80.41900
151	8.32057	80.41890
152	8.32072	80.41880
153	8.32111	80.41850

154	8.32120	80.41840
155	8.32147	80.41820
156	8.32177	80.41790
157	8.32194	80.41770
158	8.32210	80.41740
159	8.32237	80.41700
160	8.32252	80.41670
161	8.32254	80.41670
162	8.32271	80.41640
163	8.32290	80.41610
164	8.32306	80.41580
165	8.32328	80.41540
166	8.32358	80.41490
167	8.32378	80.41460
168	8.32403	80.41410
169	8.32412	80.41400
170	8.32443	80.41420
171	8.32470	80.41440
172	8.32487	80.41450
173	8.32525	80.41480
174	8.32617	80.41550
175	8.32701	80.41610
176	8.32729	80.41630
177	8.32762	80.41650
178	8.32784	80.41660
179	8.32802	80.41670
180	8.32833	80.41680
181	8.32851	80.41680
182	8.32889	80.41690
183	8.32921	80.41690
184	8.32962	80.41700
185	8.32980	80.41700
186	8.32992	80.41700
187	8.33009	80.41690
188	8.33036	80.41690
189	8.33037	80.41690
190	8.33037	80.41690
191	8.33043	80.41680
192	8.33050	80.41680
193	8.33059	80.41680
194	8.33068	80.41680
195	8.33077	80.41680
196	8.33090	80.41670
197	8.33102	80.41670
198	8.33108	80.41660
199	8.33122	80.41660
200	8.33134	80.41650
201	8.33150	80.41650
202	8.33162	80.41640
203	8.33172	80.41640
204	8.33193	80.41620
205	8.33220	80.41600
206	8.33240	80.41590
207	8.33247	80.41580
208	8.33257	80.41570
209	8.33268	80.41560
210	8.33273	80.41560
211	8.33285	80.41540
212	8.33292	80.41530
213	8.33303	80.41510
214	8.33313	80.41500
215	8.33321	80.41490
216	8.33327	80.41480
217	8.33329	80.41470
218	8.33334	80.41460
219	8.33341	80.41450
220	8.33348	80.41440
221	8.33353	80.41430
222	8.33360	80.41410
223	8.33365	80.41400
224	8.33370	80.41390
225	8.33370	80.41390
226	8.33371	80.41390
227	8.33372	80.41390
228	8.33372	80.41390
229	8.33373	80.41390
230	8.33373	80.41390
231	8.33374	80.41380
232	8.33375	80.41380
233	8.33375	80.41380
234	8.33376	80.41380
235	8.33377	80.41370
236	8.33377	80.41370
237	8.33378	80.41370
238	8.33378	80.41370
239	8.33378	80.41370
240	8.33378	80.41370
241	8.33390	80.41380
242	8.33390	80.41380
243	8.33391	80.41370
244	8.33392	80.41380
245	8.33415	80.41390
246	8.33475	80.41410
247	8.33556	80.41430
248	8.33669	80.41450
249	8.33688	80.41430
250	8.33740	80.41380
251	8.33762	80.41370
252	8.33789	80.41350
253	8.33814	80.41330
254	8.33835	80.41310
255	8.33874	80.41290
256	8.33909	80.41260
257	8.33915	80.41260
258	8.33920	80.41260
259	8.33924	80.41260
260	8.33931	80.41250
261	8.33943	80.41250
262	8.33973	80.41250
263	8.34020	80.41250
264	8.34028	80.41250
265	8.34029	80.41250
266	8.34047	80.41250
267	8.34048	80.41250
268	8.34044	80.41260
269	8.34036	80.41280
270	8.34030	80.41310
271	8.34030	80.41350
272	8.34045	80.41390
273	8.34056	80.41400
274	8.34080	80.41420
275	8.34098	80.41430
276	8.34108	80.41450
277	8.34116	80.41460
278	8.34116	80.41470
279	8.34116	80.41490
280	8.34116	80.41500
281	8.34088	80.41500
282	8.34029	80.41490
283	8.34028	80.41530
284	8.34058	80.41530
285	8.34085	80.41530
286	8.34125	80.41530
287	8.34141	80.41530
288	8.34159	80.41540
289	8.34179	80.41540
290	8.34195	80.41540
291	8.34203	80.41540
292	8.34212	80.41550
293	8.34225	80.41550
294	8.34244	80.41260
295	8.34237	80.41260
296	8.34225	80.41270
297	8.34203	80.41270
298	8.34166	80.41270
299	8.34166	80.41260
300	8.34217	80.41260
301	8.34223	80.41250
302	8.34226	80.41260
303	8.34231	80.41250
304	8.34232	80.41240
305	8.34235	80.41180
306	8.34239	80.41080
307	8.34239	80.41080
308	8.34239	80.41080
309	8.34243	80.41040

310	8.34245	80.41020
311	8.34248	80.41010
312	8.34250	80.41000
313	8.34255	80.40970
314	8.34256	80.40960
315	8.34257	80.40940
316	8.34257	80.40910
317	8.34258	80.40900
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Educational Zone

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818	8.33704	80.40610
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822	8.33715	80.40610
823	8.33725	80.40600
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898	8.33909	80.40640
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938	8.33987	80.40690
939	8.33990	80.40700
940	8.33992	80.40700
941	8.33995	80.40700
942	8.33998	80.40700
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945	8.34003	80.40700
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980	8.34104	80.40740
981	8.34109	80.40750
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987	8.34118	80.40750
988	8.34120	80.40750
989	8.34123	80.40760
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1005	8.34146	80.40790
1006	8.34148	80.40790
1007	8.34150	80.40790
1008	8.34151	80.40790
1009	8.34153	80.40800
1010	8.34155	80.40800
1011	8.34165	80.40810
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1046	8.34222	80.40870
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1061	8.34258	80.40900
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1065	8.34255	80.40970
1066	8.34250	80.41000
1067	8.34248	80.41010
1068	8.34245	80.41020
1069	8.34243	80.41040
1070	8.34239	80.41080
1071	8.34239	80.41080
1072	8.34046	80.41060
1073	8.33724	80.41020
1074	8.33553	80.40970
1075	8.33538	80.40970
1076	8.33450	80.40940
1077	8.33305	80.40870
1078	8.33271	80.40850
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1080	8.32967	80.40640
1081	8.32962	80.40640
1082	8.32915	80.40610
1083	8.32846	80.40560
1084	8.32649	80.39910
1085	8.32625	80.39950
1086	8.32647	80.39960
1087	8.32720	80.40000
1088	8.32758	80.40010
1089	8.32772	80.40020

1090	8.32787	80.39980
1091	8.32788	80.39980
1092	8.32773	80.39970
1093	8.32741	80.39950
1094	8.32701	80.39930
1095	8.32670	80.39920
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Control Zone

ID No	X	Y
1	8.32758	80.37520
2	8.32758	80.37520
3	8.32758	80.37520
4	8.32759	80.37520
5	8.32760	80.37520
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9	8.32767	80.37530
10	8.32771	80.37530
11	8.32776	80.37540
12	8.32783	80.37540
13	8.32788	80.37540
14	8.32791	80.37540
15	8.32796	80.37540
16	8.32800	80.37550
17	8.32803	80.37550
18	8.32804	80.37550
19	8.32804	80.37560
20	8.32802	80.37570
21	8.32801	80.37570
22	8.32799	80.37570
23	8.32798	80.37570
24	8.32797	80.37580
25	8.32797	80.37580
26	8.32796	80.37580
27	8.32794	80.37580
28	8.32794	80.37590
29	8.32793	80.37590
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33	8.32792	80.37600
34	8.32790	80.37600
35	8.32788	80.37610
36	8.32786	80.37610
37	8.32783	80.37620
38	8.32774	80.37630
39	8.32769	80.37640
40	8.32764	80.37650
41	8.32761	80.37660
42	8.32762	80.37670
43	8.32762	80.37670
44	8.32763	80.37680
45	8.32763	80.37690
46	8.32764	80.37690
47	8.32764	80.37700
48	8.32767	80.37700
49	8.32767	80.37710
50	8.32768	80.37710
51	8.32769	80.37710
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71	8.32801	80.37770
72	8.32803	80.37770
73	8.32805	80.37780
74	8.32805	80.37780
75	8.32804	80.37780
76	8.32804	80.37790
77	8.32801	80.37790
78	8.32795	80.37790
79	8.32793	80.37790
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85	8.32794	80.37810
86	8.32795	80.37820
87	8.32796	80.37820
88	8.32796	80.37820
89	8.32797	80.37830
90	8.32797	80.37840
91	8.32797	80.37840
92	8.32799	80.37860
93	8.32800	80.37860
94	8.32802	80.37860
95	8.32804	80.37870
96	8.32805	80.37870
97	8.32807	80.37880
98	8.32808	80.37880
99	8.32808	80.37880
100	8.32806	80.37890
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103	8.32807	80.37900
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106	8.32813	80.37920
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132	8.32865	80.38080
133	8.32872	80.38100
134	8.32878	80.38110
135	8.32880	80.38120
136	8.32883	80.38140
137	8.32887	80.38160
138	8.32888	80.38160
139	8.32889	80.38170
140	8.32890	80.38170
141	8.32891	80.38180
142	8.32893	80.38190
143	8.32899	80.38210
144	8.32899	80.38220
145	8.32901	80.38230
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153	8.32825	80.38240
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155	8.32827	80.38440
156	8.32830	80.38540
157	8.32791	80.38610
158	8.32721	80.38630
159	8.32636	80.38660
160	8.32593	80.38690
161	8.32584	80.38740

162	8.32582	80.38780
163	8.32528	80.38830
164	8.32488	80.39180
165	8.32501	80.39190
166	8.32495	80.39220
167	8.32483	80.39230
168	8.32481	80.39220
169	8.32479	80.39210
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173	8.32475	80.39180
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182	8.32470	80.39160
183	8.32465	80.39140
184	8.32465	80.39140
185	8.32464	80.39140
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188	8.32461	80.39130
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211	8.32418	80.39060
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213	8.32415	80.39060
214	8.32412	80.39060
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216	8.32397	80.39040
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218	8.32395	80.39040
219	8.32392	80.39040
220	8.32390	80.39030
221	8.32388	80.39030
222	8.32385	80.39030
223	8.32383	80.39030
224	8.32381	80.39030
225	8.32380	80.39030
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233	8.32364	80.39010
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235	8.32327	80.38990
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242	8.32312	80.38980
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272	8.32093	80.38920
273	8.32092	80.38920
274	8.32090	80.38920
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278	8.32082	80.38820
279	8.32085	80.38800
280	8.32085	80.38800
281	8.32099	80.38610
282	8.32100	80.38550
283	8.32104	80.38490
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286	8.32115	80.38340
287	8.32117	80.38300
288	8.32120	80.38270
289	8.32121	80.38250
290	8.32125	80.38200
291	8.32107	80.38170
292	8.32097	80.38150
293	8.32097	80.38150
294	8.32094	80.38140
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299	8.32184	80.37870
300	8.32204	80.37810
301	8.32210	80.37790
302	8.32243	80.37700
303	8.32250	80.37680
304	8.32271	80.37620
305	8.32274	80.37610
306	8.32285	80.37580
307	8.32292	80.37560
308	8.32306	80.37520
309	8.32342	80.37430
310	8.32439	80.37190
311	8.32461	80.37110
312	8.32450	80.37110
313	8.32451	80.37110
314	8.32507	80.36910
315	8.32539	80.36790
316	8.32582	80.36620
317	8.32584	80.36610
318	8.32622	80.36470
319	8.32671	80.36290
320	8.32694	80.36210
321	8.32714	80.36140
322	8.32734	80.36070
323	8.32724	80.36050
324	8.32708	80.36030
325	8.32812	80.35970

326	8.32845	80.36020
327	8.32914	80.36060
328	8.32938	80.36060
329	8.32973	80.36070
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331	8.33009	80.36160
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334	8.33045	80.36140
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336	8.33120	80.36090
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338	8.33141	80.36080
339	8.33146	80.36090
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341	8.33182	80.36160
342	8.33301	80.36140
343	8.33368	80.36130
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345	8.33475	80.36170
346	8.33498	80.36180
347	8.33499	80.36180
348	8.33501	80.36180
349	8.33549	80.36180
350	8.33594	80.36180
351	8.33595	80.36180
352	8.33677	80.36150
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359	8.33768	80.36180
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365	8.33848	80.36310
366	8.33849	80.36310
367	8.33863	80.36350
368	8.33876	80.36370
369	8.33922	80.36400
370	8.33979	80.36450
371	8.34062	80.36480
372	8.34134	80.36500
373	8.34194	80.36500
374	8.34197	80.36550
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377	8.34207	80.36630
378	8.34210	80.36650
379	8.34211	80.36660
380	8.34208	80.36670
381	8.34208	80.36680
382	8.34207	80.36690
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399	8.34270	80.36790
400	8.34273	80.36790
401	8.34278	80.36790
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436	8.34113	80.37130
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438	8.34091	80.37150
439	8.34079	80.37160
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457	8.34297	80.37730
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461	8.34149	80.37900
462	8.34142	80.37910
463	8.34137	80.37920
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465	8.34132	80.37920
466	8.34118	80.37960
467	8.34114	80.37970
468	8.34111	80.38000
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472	8.33975	80.37960
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487	8.33815	80.37300
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493	8.33762	80.37210
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495	8.33737	80.37180
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567	8.32841	80.36890
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574	8.33033	80.37050
575	8.33037	80.37060
576	8.33040	80.37070
577	8.33043	80.37080
578	8.33044	80.37100
579	8.33046	80.37100
580	8.33046	80.37130
581	8.33047	80.37130
582	8.33050	80.37140
583	8.33049	80.37160
584	8.33046	80.37160
585	8.33044	80.37170
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601	8.32818	80.37210
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603	8.32794	80.37210
604	8.32784	80.37210
605	8.32772	80.37220
606	8.32764	80.37240
607	8.32759	80.37250
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615	8.32761	80.37460
616	8.32760	80.37470
617	8.32759	80.37510
618	8.32758	80.37510
619	8.32758	80.37510
620	8.32758	80.37520
621	8.34243	80.37780
622	8.34285	80.37730
623	8.34278	80.37740
624	8.34243	80.37780
625	8.32849	80.38050
626	8.32850	80.38050
627	8.32849	80.38040
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Nature Zone

ID No	X	Y
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9	8.38201	80.41540
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19	8.38175	80.41520
20	8.38173	80.41520
21	8.38170	80.41520
22	8.38168	80.41520
23	8.38166	80.41510
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26	8.38160	80.41510
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39	8.38138	80.41470
40	8.38137	80.41470
41	8.38136	80.41470
42	8.38134	80.41460
43	8.38133	80.41460
44	8.38133	80.41460
45	8.38126	80.41440
46	8.38119	80.41430
47	8.38106	80.41420
48	8.38097	80.41420
49	8.38096	80.41420
50	8.38093	80.41420
51	8.38091	80.41420
52	8.38088	80.41420
53	8.38085	80.41420
54	8.38082	80.41430
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56	8.38076	80.41430
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72	8.38027	80.41440
73	8.38024	80.41440
74	8.38020	80.41440
75	8.38017	80.41440
76	8.38017	80.41440
77	8.38017	80.41440
78	8.38016	80.41440
79	8.38006	80.41440
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93	8.37964	80.41430
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107	8.37920	80.41400
108	8.37919	80.41400
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111	8.37913	80.41400
112	8.37912	80.41400
113	8.37912	80.41400
114	8.37911	80.41400

115	8.37911	80.41400	154	8.37817	80.41370	193	8.37716	80.41390	232	8.37600	80.41420
116	8.37910	80.41400	155	8.37815	80.41370	194	8.37714	80.41390	233	8.37592	80.41420
117	8.37909	80.41400	156	8.37813	80.41370	195	8.37713	80.41390	234	8.37591	80.41420
118	8.37908	80.41400	157	8.37812	80.41370	196	8.37710	80.41390	235	8.37589	80.41420
119	8.37906	80.41400	158	8.37812	80.41370	197	8.37707	80.41400	236	8.37588	80.41420
120	8.37902	80.41400	159	8.37812	80.41370	198	8.37704	80.41400	237	8.37585	80.41420
121	8.37899	80.41400	160	8.37804	80.41380	199	8.37703	80.41400	238	8.37581	80.41420
122	8.37898	80.41400	161	8.37802	80.41380	200	8.37694	80.41400	239	8.37578	80.41420
123	8.37896	80.41400	162	8.37799	80.41380	201	8.37687	80.41400	240	8.37578	80.41420
124	8.37894	80.41400	163	8.37797	80.41380	202	8.37681	80.41400	241	8.37577	80.41420
125	8.37885	80.41400	164	8.37794	80.41380	203	8.37678	80.41400	242	8.37576	80.41420
126	8.37884	80.41400	165	8.37790	80.41380	204	8.37674	80.41400	243	8.37568	80.41420
127	8.37882	80.41400	166	8.37787	80.41380	205	8.37671	80.41400	244	8.37566	80.41420
128	8.37881	80.41400	167	8.37787	80.41380	206	8.37667	80.41410	245	8.37564	80.41420
129	8.37878	80.41400	168	8.37786	80.41380	207	8.37665	80.41410	246	8.37562	80.41420
130	8.37875	80.41390	169	8.37786	80.41380	208	8.37662	80.41410	247	8.37554	80.41420
131	8.37872	80.41390	170	8.37776	80.41380	209	8.37660	80.41410	248	8.37554	80.41420
132	8.37869	80.41390	171	8.37774	80.41380	210	8.37659	80.41410	249	8.37553	80.41420
133	8.37866	80.41390	172	8.37770	80.41380	211	8.37659	80.41410	250	8.37553	80.41420
134	8.37863	80.41390	173	8.37768	80.41380	212	8.37658	80.41410	251	8.37550	80.41420
135	8.37862	80.41390	174	8.37765	80.41380	213	8.37649	80.41410	252	8.37546	80.41420
136	8.37860	80.41390	175	8.37761	80.41380	214	8.37647	80.41410	253	8.37544	80.41420
137	8.37857	80.41390	176	8.37759	80.41380	215	8.37644	80.41410	254	8.37543	80.41420
138	8.37854	80.41390	177	8.37758	80.41380	216	8.37642	80.41410	255	8.37542	80.41420
139	8.37854	80.41390	178	8.37757	80.41380	217	8.37639	80.41410	256	8.37542	80.41420
140	8.37853	80.41390	179	8.37756	80.41380	218	8.37636	80.41420	257	8.37534	80.41420
141	8.37852	80.41390	180	8.37751	80.41380	219	8.37633	80.41420	258	8.37532	80.41420
142	8.37848	80.41380	181	8.37750	80.41380	220	8.37632	80.41420	259	8.37529	80.41420
143	8.37842	80.41380	182	8.37748	80.41380	221	8.37631	80.41420	260	8.37527	80.41420
144	8.37841	80.41380	183	8.37746	80.41380	222	8.37629	80.41420	261	8.37519	80.41420
145	8.37840	80.41380	184	8.37746	80.41380	223	8.37627	80.41420	262	8.37519	80.41420
146	8.37838	80.41380	185	8.37744	80.41380	224	8.37617	80.41420	263	8.37519	80.41420
147	8.37838	80.41380	186	8.37741	80.41390	225	8.37617	80.41420	264	8.37519	80.41420
148	8.37837	80.41380	187	8.37738	80.41390	226	8.37609	80.41420	265	8.37517	80.41420
149	8.37837	80.41380	188	8.37736	80.41390	227	8.37608	80.41420	266	8.37515	80.41420
150	8.37828	80.41380	189	8.37734	80.41390	228	8.37607	80.41420	267	8.37513	80.41420
151	8.37825	80.41380	190	8.37733	80.41390	229	8.37606	80.41420	268	8.37507	80.41410
152	8.37823	80.41380	191	8.37726	80.41390	230	8.37604	80.41420	269	8.37501	80.41410
153	8.37820	80.41380	192	8.37718	80.41390	231	8.37602	80.41420	270	8.37499	80.41410

271	8.37497	80.41410	310	8.37393	80.41390	349	8.37286	80.41340	388	8.37191	80.41320
272	8.37495	80.41410	311	8.37384	80.41380	350	8.37285	80.41340	389	8.37188	80.41310
273	8.37487	80.41410	312	8.37383	80.41380	351	8.37285	80.41340	390	8.37185	80.41310
274	8.37486	80.41410	313	8.37382	80.41380	352	8.37284	80.41340	391	8.37183	80.41310
275	8.37486	80.41410	314	8.37381	80.41380	353	8.37282	80.41340	392	8.37179	80.41310
276	8.37485	80.41410	315	8.37379	80.41380	354	8.37281	80.41340	393	8.37177	80.41310
277	8.37484	80.41410	316	8.37377	80.41380	355	8.37271	80.41340	394	8.37174	80.41310
278	8.37482	80.41410	317	8.37375	80.41380	356	8.37270	80.41340	395	8.37171	80.41300
279	8.37480	80.41410	318	8.37365	80.41380	357	8.37268	80.41340	396	8.37169	80.41300
280	8.37473	80.41400	319	8.37365	80.41380	358	8.37266	80.41340	397	8.37168	80.41300
281	8.37471	80.41400	320	8.37364	80.41380	359	8.37265	80.41340	398	8.37167	80.41300
282	8.37470	80.41400	321	8.37363	80.41380	360	8.37264	80.41340	399	8.37166	80.41300
283	8.37469	80.41400	322	8.37360	80.41380	361	8.37263	80.41340	400	8.37165	80.41300
284	8.37466	80.41400	323	8.37357	80.41370	362	8.37254	80.41330	401	8.37158	80.41300
285	8.37463	80.41400	324	8.37354	80.41370	363	8.37254	80.41330	402	8.37158	80.41300
286	8.37460	80.41400	325	8.37351	80.41370	364	8.37253	80.41330	403	8.37158	80.41300
287	8.37457	80.41400	326	8.37348	80.41370	365	8.37253	80.41330	404	8.37157	80.41300
288	8.37454	80.41400	327	8.37346	80.41370	366	8.37243	80.41330	405	8.37154	80.41300
289	8.37453	80.41400	328	8.37343	80.41370	367	8.37242	80.41330	406	8.37151	80.41290
290	8.37451	80.41400	329	8.37340	80.41370	368	8.37241	80.41330	407	8.37149	80.41290
291	8.37450	80.41400	330	8.37337	80.41370	369	8.37240	80.41330	408	8.37147	80.41290
292	8.37448	80.41400	331	8.37337	80.41370	370	8.37231	80.41330	409	8.37145	80.41290
293	8.37446	80.41400	332	8.37336	80.41360	371	8.37231	80.41330	410	8.37144	80.41290
294	8.37444	80.41400	333	8.37336	80.41360	372	8.37230	80.41330	411	8.37140	80.41290
295	8.37442	80.41400	334	8.37328	80.41360	373	8.37230	80.41330	412	8.37140	80.41290
296	8.37439	80.41400	335	8.37326	80.41360	374	8.37223	80.41330	413	8.37135	80.41290
297	8.37435	80.41400	336	8.37324	80.41360	375	8.37223	80.41330	414	8.37135	80.41290
298	8.37432	80.41390	337	8.37321	80.41360	376	8.37221	80.41330	415	8.37134	80.41290
299	8.37432	80.41390	338	8.37319	80.41350	377	8.37221	80.41330	416	8.37134	80.41290
300	8.37423	80.41390	339	8.37316	80.41350	378	8.37218	80.41330	417	8.37126	80.41280
301	8.37422	80.41390	340	8.37314	80.41350	379	8.37214	80.41320	418	8.37125	80.41280
302	8.37420	80.41390	341	8.37311	80.41350	380	8.37212	80.41320	419	8.37124	80.41280
303	8.37419	80.41390	342	8.37309	80.41350	381	8.37211	80.41320	420	8.37124	80.41280
304	8.37411	80.41390	343	8.37306	80.41340	382	8.37209	80.41320	421	8.37123	80.41280
305	8.37410	80.41390	344	8.37305	80.41340	383	8.37208	80.41320	422	8.37121	80.41280
306	8.37409	80.41390	345	8.37304	80.41340	384	8.37200	80.41320	423	8.37120	80.41280
307	8.37408	80.41390	346	8.37295	80.41340	385	8.37198	80.41320	424	8.37112	80.41270
308	8.37401	80.41390	347	8.37295	80.41340	386	8.37196	80.41320	425	8.37111	80.41270
309	8.37393	80.41390	348	8.37286	80.41340	387	8.37194	80.41320	426	8.37109	80.41270

427	8.37108	80.41270	466	8.37004	80.41260	505	8.36886	80.41290	544	8.36781	80.41300
428	8.37105	80.41270	467	8.36998	80.41260	506	8.36884	80.41290	545	8.36776	80.41300
429	8.37103	80.41270	468	8.36994	80.41260	507	8.36881	80.41290	546	8.36770	80.41300
430	8.37100	80.41270	469	8.36985	80.41260	508	8.36877	80.41290	547	8.36769	80.41300
431	8.37098	80.41260	470	8.36981	80.41260	509	8.36874	80.41290	548	8.36769	80.41300
432	8.37098	80.41260	471	8.36979	80.41270	510	8.36871	80.41290	549	8.36769	80.41300
433	8.37094	80.41260	472	8.36975	80.41270	511	8.36868	80.41290	550	8.36767	80.41300
434	8.37091	80.41260	473	8.36968	80.41270	512	8.36865	80.41290	551	8.36764	80.41300
435	8.37088	80.41260	474	8.36968	80.41270	513	8.36864	80.41290	552	8.36763	80.41300
436	8.37088	80.41260	475	8.36967	80.41270	514	8.36863	80.41290	553	8.36754	80.41300
437	8.37085	80.41260	476	8.36967	80.41270	515	8.36862	80.41290	554	8.36753	80.41300
438	8.37082	80.41260	477	8.36964	80.41270	516	8.36851	80.41290	555	8.36752	80.41300
439	8.37079	80.41260	478	8.36961	80.41270	517	8.36851	80.41290	556	8.36750	80.41300
440	8.37076	80.41260	479	8.36958	80.41270	518	8.36850	80.41290	557	8.36749	80.41300
441	8.37075	80.41260	480	8.36957	80.41270	519	8.36849	80.41290	558	8.36749	80.41300
442	8.37075	80.41260	481	8.36957	80.41270	520	8.36844	80.41290	559	8.36746	80.41300
443	8.37074	80.41260	482	8.36957	80.41270	521	8.36843	80.41290	560	8.36743	80.41300
444	8.37065	80.41260	483	8.36948	80.41270	522	8.36841	80.41290	561	8.36740	80.41300
445	8.37060	80.41260	484	8.36942	80.41270	523	8.36840	80.41290	562	8.36737	80.41300
446	8.37060	80.41260	485	8.36940	80.41270	524	8.36837	80.41290	563	8.36735	80.41300
447	8.37053	80.41260	486	8.36935	80.41280	525	8.36833	80.41290	564	8.36733	80.41310
448	8.37048	80.41260	487	8.36935	80.41280	526	8.36831	80.41290	565	8.36731	80.41310
449	8.37045	80.41260	488	8.36933	80.41280	527	8.36828	80.41290	566	8.36722	80.41310
450	8.37041	80.41260	489	8.36931	80.41280	528	8.36824	80.41300	567	8.36721	80.41310
451	8.37039	80.41260	490	8.36928	80.41280	529	8.36821	80.41300	568	8.36720	80.41310
452	8.37036	80.41260	491	8.36925	80.41280	530	8.36818	80.41300	569	8.36719	80.41310
453	8.37032	80.41260	492	8.36922	80.41280	531	8.36815	80.41300	570	8.36716	80.41310
454	8.37029	80.41260	493	8.36919	80.41280	532	8.36812	80.41300	571	8.36713	80.41310
455	8.37027	80.41260	494	8.36918	80.41280	533	8.36809	80.41300	572	8.36710	80.41310
456	8.37025	80.41260	495	8.36916	80.41280	534	8.36805	80.41300	573	8.36707	80.41310
457	8.37024	80.41260	496	8.36914	80.41280	535	8.36802	80.41300	574	8.36703	80.41310
458	8.37018	80.41260	497	8.36906	80.41280	536	8.36802	80.41300	575	8.36700	80.41310
459	8.37017	80.41260	498	8.36905	80.41290	537	8.36801	80.41300	576	8.36699	80.41310
460	8.37008	80.41260	499	8.36903	80.41290	538	8.36800	80.41300	577	8.36696	80.41310
461	8.37008	80.41260	500	8.36902	80.41290	539	8.36791	80.41300	578	8.36694	80.41310
462	8.37007	80.41260	501	8.36899	80.41290	540	8.36791	80.41300	579	8.36686	80.41310
463	8.37007	80.41260	502	8.36896	80.41290	541	8.36790	80.41300	580	8.36685	80.41310
464	8.37006	80.41260	503	8.36893	80.41290	542	8.36789	80.41300	581	8.36684	80.41310
465	8.37005	80.41260	504	8.36890	80.41290	543	8.36782	80.41300	582	8.36683	80.41310

583	8.36681	80.41310	622	8.36569	80.41320	661	8.36465	80.41320	700	8.36353	80.41330
584	8.36679	80.41310	623	8.36567	80.41320	662	8.36464	80.41320	701	8.36349	80.41330
585	8.36678	80.41310	624	8.36564	80.41320	663	8.36463	80.41320	702	8.36347	80.41330
586	8.36670	80.41310	625	8.36562	80.41320	664	8.36455	80.41320	703	8.36346	80.41330
587	8.36668	80.41310	626	8.36556	80.41320	665	8.36445	80.41320	704	8.36345	80.41330
588	8.36666	80.41310	627	8.36556	80.41320	666	8.36445	80.41320	705	8.36344	80.41330
589	8.36665	80.41310	628	8.36555	80.41320	667	8.36436	80.41320	706	8.36337	80.41330
590	8.36663	80.41310	629	8.36555	80.41320	668	8.36434	80.41320	707	8.36335	80.41330
591	8.36661	80.41310	630	8.36552	80.41320	669	8.36433	80.41320	708	8.36332	80.41330
592	8.36659	80.41310	631	8.36549	80.41320	670	8.36432	80.41320	709	8.36330	80.41330
593	8.36653	80.41310	632	8.36545	80.41320	671	8.36429	80.41320	710	8.36327	80.41330
594	8.36652	80.41310	633	8.36545	80.41320	672	8.36425	80.41320	711	8.36324	80.41330
595	8.36649	80.41310	634	8.36544	80.41320	673	8.36422	80.41310	712	8.36321	80.41340
596	8.36646	80.41310	635	8.36544	80.41320	674	8.36419	80.41310	713	8.36318	80.41340
597	8.36643	80.41310	636	8.36536	80.41320	675	8.36416	80.41310	714	8.36315	80.41340
598	8.36641	80.41310	637	8.36535	80.41320	676	8.36413	80.41310	715	8.36312	80.41340
599	8.36638	80.41310	638	8.36530	80.41320	677	8.36413	80.41310	716	8.36309	80.41340
600	8.36635	80.41310	639	8.36524	80.41320	678	8.36412	80.41310	717	8.36305	80.41340
601	8.36632	80.41310	640	8.36523	80.41320	679	8.36412	80.41310	718	8.36302	80.41340
602	8.36630	80.41310	641	8.36522	80.41320	680	8.36403	80.41310	719	8.36299	80.41340
603	8.36622	80.41320	642	8.36520	80.41320	681	8.36401	80.41310	720	8.36296	80.41340
604	8.36621	80.41320	643	8.36519	80.41320	682	8.36398	80.41310	721	8.36293	80.41340
605	8.36620	80.41320	644	8.36518	80.41320	683	8.36396	80.41310	722	8.36292	80.41340
606	8.36619	80.41320	645	8.36516	80.41320	684	8.36395	80.41310	723	8.36290	80.41340
607	8.36616	80.41320	646	8.36508	80.41320	685	8.36392	80.41310	724	8.36289	80.41340
608	8.36612	80.41320	647	8.36507	80.41320	686	8.36389	80.41310	725	8.36281	80.41340
609	8.36609	80.41320	648	8.36506	80.41320	687	8.36386	80.41310	726	8.36279	80.41340
610	8.36606	80.41320	649	8.36505	80.41320	688	8.36383	80.41320	727	8.36277	80.41340
611	8.36603	80.41320	650	8.36497	80.41320	689	8.36380	80.41320	728	8.36275	80.41340
612	8.36600	80.41320	651	8.36496	80.41320	690	8.36377	80.41320	729	8.36275	80.41340
613	8.36597	80.41320	652	8.36495	80.41320	691	8.36374	80.41320	730	8.36274	80.41340
614	8.36594	80.41320	653	8.36494	80.41320	692	8.36371	80.41320	731	8.36274	80.41340
615	8.36592	80.41320	654	8.36493	80.41320	693	8.36370	80.41320	732	8.36266	80.41340
616	8.36582	80.41320	655	8.36491	80.41320	694	8.36370	80.41320	733	8.36264	80.41340
617	8.36581	80.41320	656	8.36490	80.41320	695	8.36369	80.41320	734	8.36261	80.41340
618	8.36579	80.41320	657	8.36485	80.41320	696	8.36363	80.41320	735	8.36258	80.41340
619	8.36575	80.41320	658	8.36481	80.41320	697	8.36362	80.41320	736	8.36256	80.41340
620	8.36571	80.41320	659	8.36473	80.41320	698	8.36358	80.41320	737	8.36254	80.41340
621	8.36570	80.41320	660	8.36473	80.41320	699	8.36356	80.41320	738	8.36251	80.41330

739	8.36244	80.41330	778	8.36150	80.41280	817	8.36075	80.41240	856	8.35968	80.41230
740	8.36243	80.41330	779	8.36148	80.41280	818	8.36073	80.41240	857	8.35965	80.41230
741	8.36242	80.41330	780	8.36146	80.41280	819	8.36070	80.41240	858	8.35962	80.41230
742	8.36241	80.41330	781	8.36144	80.41270	820	8.36068	80.41240	859	8.35959	80.41230
743	8.36238	80.41330	782	8.36142	80.41270	821	8.36067	80.41240	860	8.35955	80.41230
744	8.36235	80.41330	783	8.36140	80.41270	822	8.36064	80.41240	861	8.35952	80.41230
745	8.36232	80.41330	784	8.36139	80.41270	823	8.36061	80.41240	862	8.35950	80.41230
746	8.36229	80.41330	785	8.36138	80.41270	824	8.36057	80.41250	863	8.35946	80.41230
747	8.36226	80.41330	786	8.36137	80.41270	825	8.36055	80.41250	864	8.35943	80.41230
748	8.36223	80.41330	787	8.36132	80.41260	826	8.36052	80.41250	865	8.35941	80.41230
749	8.36220	80.41330	788	8.36131	80.41260	827	8.36048	80.41250	866	8.35938	80.41230
750	8.36217	80.41330	789	8.36130	80.41260	828	8.36045	80.41250	867	8.35935	80.41220
751	8.36214	80.41320	790	8.36129	80.41250	829	8.36044	80.41250	868	8.35927	80.41220
752	8.36211	80.41320	791	8.36128	80.41250	830	8.36042	80.41250	869	8.35926	80.41220
753	8.36208	80.41320	792	8.36126	80.41250	831	8.36040	80.41250	870	8.35924	80.41220
754	8.36205	80.41320	793	8.36124	80.41250	832	8.36033	80.41250	871	8.35921	80.41220
755	8.36204	80.41320	794	8.36123	80.41240	833	8.36031	80.41250	872	8.35918	80.41220
756	8.36203	80.41320	795	8.36121	80.41240	834	8.36029	80.41250	873	8.35915	80.41220
757	8.36202	80.41320	796	8.36120	80.41240	835	8.36028	80.41250	874	8.35912	80.41210
758	8.36193	80.41310	797	8.36119	80.41240	836	8.36028	80.41250	875	8.35909	80.41210
759	8.36192	80.41310	798	8.36118	80.41240	837	8.36019	80.41240	876	8.35908	80.41210
760	8.36190	80.41310	799	8.36118	80.41230	838	8.36017	80.41240	877	8.35906	80.41210
761	8.36188	80.41310	800	8.36116	80.41230	839	8.36013	80.41240	878	8.35905	80.41210
762	8.36186	80.41310	801	8.36111	80.41230	840	8.36011	80.41240	879	8.35897	80.41200
763	8.36183	80.41310	802	8.36109	80.41230	841	8.36008	80.41240	880	8.35896	80.41200
764	8.36180	80.41310	803	8.36108	80.41230	842	8.36004	80.41240	881	8.35895	80.41200
765	8.36178	80.41300	804	8.36106	80.41230	843	8.36001	80.41240	882	8.35894	80.41200
766	8.36175	80.41300	805	8.36105	80.41230	844	8.35998	80.41240	883	8.35892	80.41200
767	8.36173	80.41300	806	8.36103	80.41230	845	8.35995	80.41240	884	8.35889	80.41200
768	8.36171	80.41300	807	8.36102	80.41240	846	8.35992	80.41240	885	8.35886	80.41200
769	8.36169	80.41300	808	8.36095	80.41240	847	8.35989	80.41240	886	8.35884	80.41190
770	8.36168	80.41300	809	8.36093	80.41240	848	8.35986	80.41240	887	8.35881	80.41190
771	8.36162	80.41290	810	8.36092	80.41240	849	8.35983	80.41240	888	8.35879	80.41190
772	8.36161	80.41290	811	8.36090	80.41240	850	8.35980	80.41240	889	8.35878	80.41190
773	8.36160	80.41290	812	8.36089	80.41240	851	8.35977	80.41230	890	8.35877	80.41190
774	8.36159	80.41290	813	8.36087	80.41240	852	8.35975	80.41230	891	8.35876	80.41190
775	8.36157	80.41290	814	8.36085	80.41240	853	8.35974	80.41230	892	8.35870	80.41180
776	8.36155	80.41290	815	8.36078	80.41240	854	8.35972	80.41230	893	8.35868	80.41180
777	8.36152	80.41280	816	8.36076	80.41240	855	8.35971	80.41230	894	8.35867	80.41180

895	8.35866	80.41180	934	8.35814	80.41080	973	8.35744	80.41000	1012	8.35643	80.40930
896	8.35863	80.41180	935	8.35814	80.41080	974	8.35743	80.40990	1013	8.35641	80.40930
897	8.35861	80.41170	936	8.35813	80.41080	975	8.35737	80.40990	1014	8.35634	80.40930
898	8.35859	80.41170	937	8.35813	80.41070	976	8.35735	80.40990	1015	8.35634	80.40930
899	8.35858	80.41170	938	8.35813	80.41070	977	8.35732	80.40990	1016	8.35633	80.40930
900	8.35857	80.41170	939	8.35810	80.41070	978	8.35730	80.40990	1017	8.35630	80.40930
901	8.35856	80.41170	940	8.35808	80.41070	979	8.35728	80.40990	1018	8.35625	80.40930
902	8.35850	80.41160	941	8.35806	80.41070	980	8.35724	80.40990	1019	8.35624	80.40930
903	8.35849	80.41160	942	8.35803	80.41070	981	8.35722	80.40990	1020	8.35623	80.40930
904	8.35848	80.41160	943	8.35800	80.41060	982	8.35721	80.40990	1021	8.35621	80.40930
905	8.35847	80.41160	944	8.35800	80.41060	983	8.35721	80.40990	1022	8.35613	80.40930
906	8.35846	80.41150	945	8.35799	80.41060	984	8.35721	80.40990	1023	8.35611	80.40930
907	8.35844	80.41150	946	8.35798	80.41060	985	8.35710	80.40980	1024	8.35609	80.40930
908	8.35842	80.41150	947	8.35790	80.41060	986	8.35704	80.40980	1025	8.35608	80.40930
909	8.35840	80.41150	948	8.35789	80.41050	987	8.35702	80.40980	1026	8.35607	80.40930
910	8.35838	80.41140	949	8.35787	80.41050	988	8.35699	80.40970	1027	8.35600	80.40920
911	8.35837	80.41140	950	8.35785	80.41050	989	8.35697	80.40970	1028	8.35591	80.40920
912	8.35835	80.41140	951	8.35783	80.41050	990	8.35689	80.40970	1029	8.35591	80.40920
913	8.35834	80.41140	952	8.35780	80.41050	991	8.35689	80.40970	1030	8.35588	80.40920
914	8.35832	80.41130	953	8.35778	80.41040	992	8.35688	80.40970	1031	8.35584	80.40920
915	8.35831	80.41130	954	8.35776	80.41040	993	8.35688	80.40970	1032	8.35581	80.40920
916	8.35830	80.41130	955	8.35774	80.41040	994	8.35686	80.40970	1033	8.35579	80.40920
917	8.35828	80.41120	956	8.35772	80.41040	995	8.35683	80.40960	1034	8.35575	80.40920
918	8.35828	80.41120	957	8.35771	80.41040	996	8.35681	80.40960	1035	8.35573	80.40920
919	8.35828	80.41120	958	8.35770	80.41040	997	8.35674	80.40960	1036	8.35565	80.40910
920	8.35828	80.41120	959	8.35770	80.41030	998	8.35674	80.40960	1037	8.35565	80.40910
921	8.35824	80.41110	960	8.35764	80.41030	999	8.35671	80.40960	1038	8.35563	80.40910
922	8.35823	80.41110	961	8.35762	80.41030	1000	8.35668	80.40950	1039	8.35560	80.40910
923	8.35822	80.41110	962	8.35761	80.41020	1001	8.35666	80.40950	1040	8.35557	80.40910
924	8.35821	80.41110	963	8.35760	80.41020	1002	8.35664	80.40950	1041	8.35548	80.40910
925	8.35821	80.41100	964	8.35758	80.41020	1003	8.35661	80.40950	1042	8.35548	80.40910
926	8.35820	80.41100	965	8.35756	80.41020	1004	8.35659	80.40950	1043	8.35547	80.40910
927	8.35819	80.41100	966	8.35754	80.41010	1005	8.35656	80.40940	1044	8.35547	80.40910
928	8.35817	80.41090	967	8.35753	80.41010	1006	8.35654	80.40940	1045	8.35545	80.40910
929	8.35816	80.41090	968	8.35751	80.41010	1007	8.35652	80.40940	1046	8.35543	80.40910
930	8.35816	80.41090	969	8.35749	80.41010	1008	8.35651	80.40940	1047	8.35542	80.40910
931	8.35816	80.41090	970	8.35748	80.41000	1009	8.35650	80.40940	1048	8.35534	80.40900
932	8.35815	80.41090	971	8.35746	80.41000	1010	8.35650	80.40940	1049	8.35533	80.40900
933	8.35814	80.41080	972	8.35745	80.41000	1011	8.35644	80.40930	1050	8.35531	80.40900

1051	8.35530	80.40900	1090	8.35452	80.40880	1129	8.35366	80.40960	1168	8.35288	80.41030
1052	8.35528	80.40900	1091	8.35443	80.40890	1130	8.35363	80.40960	1169	8.35287	80.41030
1053	8.35524	80.40900	1092	8.35442	80.40890	1131	8.35363	80.40960	1170	8.35284	80.41030
1054	8.35522	80.40900	1093	8.35442	80.40890	1132	8.35362	80.40960	1171	8.35281	80.41030
1055	8.35519	80.40890	1094	8.35442	80.40890	1133	8.35362	80.40960	1172	8.35278	80.41030
1056	8.35516	80.40890	1095	8.35440	80.40900	1134	8.35360	80.40970	1173	8.35275	80.41030
1057	8.35514	80.40890	1096	8.35437	80.40900	1135	8.35357	80.40970	1174	8.35273	80.41030
1058	8.35511	80.40890	1097	8.35435	80.40900	1136	8.35355	80.40970	1175	8.35271	80.41040
1059	8.35508	80.40890	1098	8.35433	80.40900	1137	8.35351	80.40980	1176	8.35266	80.41040
1060	8.35506	80.40890	1099	8.35430	80.40900	1138	8.35349	80.40980	1177	8.35265	80.41040
1061	8.35504	80.40880	1100	8.35427	80.40910	1139	8.35348	80.40980	1178	8.35264	80.41040
1062	8.35501	80.40880	1101	8.35427	80.40910	1140	8.35347	80.40980	1179	8.35263	80.41040
1063	8.35499	80.40880	1102	8.35426	80.40910	1141	8.35345	80.40980	1180	8.35261	80.41040
1064	8.35497	80.40880	1103	8.35426	80.40910	1142	8.35342	80.40990	1181	8.35258	80.41040
1065	8.35495	80.40880	1104	8.35421	80.40910	1143	8.35340	80.40990	1182	8.35253	80.41050
1066	8.35493	80.40870	1105	8.35419	80.40910	1144	8.35338	80.40990	1183	8.35252	80.41050
1067	8.35487	80.40870	1106	8.35417	80.40910	1145	8.35335	80.40990	1184	8.35251	80.41050
1068	8.35487	80.40870	1107	8.35415	80.40920	1146	8.35333	80.41000	1185	8.35250	80.41050
1069	8.35487	80.40870	1108	8.35412	80.40920	1147	8.35331	80.41000	1186	8.35249	80.41050
1070	8.35486	80.40870	1109	8.35409	80.40920	1148	8.35328	80.41000	1187	8.35248	80.41050
1071	8.35486	80.40870	1110	8.35407	80.40920	1149	8.35326	80.41000	1188	8.35246	80.41050
1072	8.35486	80.40870	1111	8.35404	80.40920	1150	8.35320	80.41010	1189	8.35220	80.41070
1073	8.35486	80.40870	1112	8.35402	80.40930	1151	8.35320	80.41010	1190	8.35219	80.41070
1074	8.35480	80.40860	1113	8.35399	80.40930	1152	8.35317	80.41010	1191	8.35217	80.41070
1075	8.35478	80.40860	1114	8.35398	80.40930	1153	8.35314	80.41010	1192	8.35216	80.41080
1076	8.35476	80.40860	1115	8.35397	80.40930	1154	8.35312	80.41010	1193	8.35214	80.41080
1077	8.35475	80.40870	1116	8.35396	80.40930	1155	8.35310	80.41010	1194	8.35211	80.41080
1078	8.35474	80.40870	1117	8.35394	80.40940	1156	8.35308	80.41010	1195	8.35208	80.41080
1079	8.35473	80.40870	1118	8.35391	80.40940	1157	8.35306	80.41020	1196	8.35207	80.41080
1080	8.35467	80.40870	1119	8.35389	80.40940	1158	8.35302	80.41020	1197	8.35205	80.41080
1081	8.35466	80.40870	1120	8.35387	80.40940	1159	8.35301	80.41020	1198	8.35204	80.41080
1082	8.35464	80.40870	1121	8.35385	80.40950	1160	8.35299	80.41020	1199	8.35181	80.41090
1083	8.35463	80.40880	1122	8.35382	80.40950	1161	8.35299	80.41020	1200	8.35180	80.41100
1084	8.35461	80.40880	1123	8.35380	80.40950	1162	8.35298	80.41020	1201	8.35178	80.41100
1085	8.35458	80.40880	1124	8.35377	80.40950	1163	8.35297	80.41020	1202	8.35176	80.41100
1086	8.35455	80.40880	1125	8.35375	80.40950	1164	8.35294	80.41020	1203	8.35174	80.41100
1087	8.35455	80.40880	1126	8.35368	80.40960	1165	8.35291	80.41020	1204	8.35172	80.41100
1088	8.35454	80.40880	1127	8.35368	80.40960	1166	8.35290	80.41020	1205	8.35170	80.41100
1089	8.35453	80.40880	1128	8.35367	80.40960	1167	8.35289	80.41030	1206	8.35163	80.41100

1207	8.35159	80.41110	1246	8.35059	80.41150	1285	8.34929	80.41150	1324	8.34800	80.41130
1208	8.35153	80.41110	1247	8.35057	80.41150	1286	8.34928	80.41150	1325	8.34798	80.41130
1209	8.35152	80.41110	1248	8.35056	80.41150	1287	8.34926	80.41150	1326	8.34795	80.41130
1210	8.35151	80.41110	1249	8.35055	80.41150	1288	8.34924	80.41150	1327	8.34791	80.41130
1211	8.35151	80.41110	1250	8.35046	80.41150	1289	8.34919	80.41150	1328	8.34789	80.41130
1212	8.35148	80.41110	1251	8.35044	80.41150	1290	8.34911	80.41140	1329	8.34788	80.41130
1213	8.35145	80.41110	1252	8.35042	80.41150	1291	8.34911	80.41140	1330	8.34781	80.41120
1214	8.35142	80.41110	1253	8.35041	80.41150	1292	8.34910	80.41140	1331	8.34779	80.41120
1215	8.35141	80.41110	1254	8.35038	80.41160	1293	8.34910	80.41140	1332	8.34777	80.41120
1216	8.35141	80.41110	1255	8.35034	80.41160	1294	8.34907	80.41140	1333	8.34776	80.41120
1217	8.35140	80.41110	1256	8.35031	80.41160	1295	8.34903	80.41140	1334	8.34767	80.41120
1218	8.35139	80.41120	1257	8.35029	80.41160	1296	8.34901	80.41140	1335	8.34766	80.41120
1219	8.35137	80.41120	1258	8.35026	80.41160	1297	8.34900	80.41140	1336	8.34765	80.41120
1220	8.35128	80.41120	1259	8.35024	80.41160	1298	8.34899	80.41140	1337	8.34764	80.41120
1221	8.35128	80.41120	1260	8.35004	80.41160	1299	8.34898	80.41140	1338	8.34761	80.41120
1222	8.35127	80.41120	1261	8.35003	80.41160	1300	8.34891	80.41140	1339	8.34758	80.41120
1223	8.35127	80.41120	1262	8.35002	80.41160	1301	8.34888	80.41140	1340	8.34755	80.41110
1224	8.35127	80.41120	1263	8.35002	80.41160	1302	8.34886	80.41140	1341	8.34752	80.41110
1225	8.35126	80.41120	1264	8.34999	80.41160	1303	8.34881	80.41140	1342	8.34749	80.41110
1226	8.35125	80.41120	1265	8.34996	80.41160	1304	8.34874	80.41140	1343	8.34747	80.41110
1227	8.35118	80.41130	1266	8.34994	80.41160	1305	8.34871	80.41140	1344	8.34745	80.41110
1228	8.35117	80.41130	1267	8.34985	80.41160	1306	8.34871	80.41140	1345	8.34743	80.41110
1229	8.35114	80.41130	1268	8.34985	80.41160	1307	8.34861	80.41140	1346	8.34741	80.41110
1230	8.35113	80.41130	1269	8.34984	80.41160	1308	8.34861	80.41140	1347	8.34734	80.41100
1231	8.35104	80.41130	1270	8.34984	80.41160	1309	8.34861	80.41140	1348	8.34727	80.41100
1232	8.35103	80.41140	1271	8.34974	80.41160	1310	8.34846	80.41140	1349	8.34725	80.41100
1233	8.35103	80.41140	1272	8.34974	80.41160	1311	8.34846	80.41140	1350	8.34723	80.41100
1234	8.35094	80.41140	1273	8.34971	80.41150	1312	8.34835	80.41140	1351	8.34722	80.41090
1235	8.35092	80.41140	1274	8.34967	80.41150	1313	8.34832	80.41140	1352	8.34721	80.41090
1236	8.35089	80.41140	1275	8.34964	80.41150	1314	8.34829	80.41140	1353	8.34721	80.41090
1237	8.35086	80.41140	1276	8.34964	80.41150	1315	8.34826	80.41140	1354	8.34720	80.41090
1238	8.35083	80.41140	1277	8.34954	80.41150	1316	8.34824	80.41140	1355	8.34713	80.41090
1239	8.35080	80.41150	1278	8.34951	80.41150	1317	8.34821	80.41140	1356	8.34706	80.41080
1240	8.35077	80.41150	1279	8.34948	80.41150	1318	8.34819	80.41130	1357	8.34706	80.41080
1241	8.35074	80.41150	1280	8.34945	80.41150	1319	8.34809	80.41130	1358	8.34704	80.41080
1242	8.35071	80.41150	1281	8.34944	80.41150	1320	8.34809	80.41130	1359	8.34701	80.41080
1243	8.35068	80.41150	1282	8.34942	80.41150	1321	8.34808	80.41130	1360	8.34698	80.41080
1244	8.35065	80.41150	1283	8.34941	80.41150	1322	8.34807	80.41130	1361	8.34696	80.41080
1245	8.35062	80.41150	1284	8.34930	80.41150	1323	8.34804	80.41130	1362	8.34694	80.41070

1363	8.34692	80.41070	1402	8.34605	80.41020	1441	8.34498	80.40970	1480	8.34431	80.40880
1364	8.34686	80.41070	1403	8.34602	80.41020	1442	8.34495	80.40960	1481	8.34430	80.40880
1365	8.34685	80.41070	1404	8.34601	80.41020	1443	8.34493	80.40960	1482	8.34427	80.40880
1366	8.34685	80.41070	1405	8.34600	80.41020	1444	8.34491	80.40960	1483	8.34424	80.40890
1367	8.34685	80.41070	1406	8.34598	80.41020	1445	8.34489	80.40960	1484	8.34421	80.40890
1368	8.34683	80.41070	1407	8.34589	80.41010	1446	8.34488	80.40960	1485	8.34419	80.40890
1369	8.34681	80.41060	1408	8.34588	80.41010	1447	8.34480	80.40950	1486	8.34415	80.40890
1370	8.34679	80.41060	1409	8.34586	80.41010	1448	8.34479	80.40950	1487	8.34412	80.40890
1371	8.34674	80.41060	1410	8.34584	80.41010	1449	8.34478	80.40950	1488	8.34410	80.40890
1372	8.34671	80.41050	1411	8.34581	80.41010	1450	8.34478	80.40950	1489	8.34406	80.40890
1373	8.34663	80.41050	1412	8.34578	80.41010	1451	8.34476	80.40940	1490	8.34403	80.40890
1374	8.34663	80.41050	1413	8.34575	80.41010	1452	8.34473	80.40940	1491	8.34401	80.40890
1375	8.34663	80.41050	1414	8.34575	80.41010	1453	8.34471	80.40940	1492	8.34397	80.40890
1376	8.34662	80.41050	1415	8.34574	80.41010	1454	8.34470	80.40940	1493	8.34394	80.40900
1377	8.34662	80.41050	1416	8.34573	80.41010	1455	8.34467	80.40930	1494	8.34391	80.40900
1378	8.34661	80.41050	1417	8.34564	80.41000	1456	8.34465	80.40930	1495	8.34388	80.40900
1379	8.34660	80.41050	1418	8.34562	80.41000	1457	8.34464	80.40930	1496	8.34385	80.40900
1380	8.34660	80.41050	1419	8.34559	80.41000	1458	8.34462	80.40930	1497	8.34382	80.40900
1381	8.34659	80.41050	1420	8.34557	80.41000	1459	8.34460	80.40920	1498	8.34378	80.40900
1382	8.34659	80.41050	1421	8.34555	80.41000	1460	8.34458	80.40920	1499	8.34375	80.40900
1383	8.34650	80.41040	1422	8.34552	80.41000	1461	8.34456	80.40920	1500	8.34373	80.40900
1384	8.34649	80.41040	1423	8.34549	80.41000	1462	8.34455	80.40920	1501	8.34370	80.40900
1385	8.34647	80.41040	1424	8.34547	80.41000	1463	8.34453	80.40910	1502	8.34368	80.40900
1386	8.34646	80.41040	1425	8.34544	80.40990	1464	8.34452	80.40910	1503	8.34359	80.40900
1387	8.34640	80.41030	1426	8.34541	80.40990	1465	8.34450	80.40910	1504	8.34359	80.40900
1388	8.34634	80.41030	1427	8.34538	80.40990	1466	8.34450	80.40910	1505	8.34358	80.40900
1389	8.34633	80.41030	1428	8.34535	80.40990	1467	8.34450	80.40910	1506	8.34358	80.40900
1390	8.34632	80.41030	1429	8.34533	80.40990	1468	8.34449	80.40910	1507	8.34355	80.40900
1391	8.34631	80.41030	1430	8.34530	80.40990	1469	8.34445	80.40900	1508	8.34352	80.40900
1392	8.34630	80.41030	1431	8.34527	80.40990	1470	8.34445	80.40900	1509	8.34350	80.40900
1393	8.34628	80.41030	1432	8.34524	80.40980	1471	8.34443	80.40890	1510	8.34341	80.40900
1394	8.34627	80.41020	1433	8.34522	80.40980	1472	8.34443	80.40890	1511	8.34340	80.40900
1395	8.34622	80.41020	1434	8.34519	80.40980	1473	8.34441	80.40890	1512	8.34331	80.40900
1396	8.34621	80.41020	1435	8.34516	80.40980	1474	8.34440	80.40890	1513	8.34331	80.40900
1397	8.34613	80.41020	1436	8.34514	80.40980	1475	8.34439	80.40880	1514	8.34320	80.40900
1398	8.34612	80.41020	1437	8.34511	80.40980	1476	8.34439	80.40880	1515	8.34320	80.40900
1399	8.34612	80.41020	1438	8.34509	80.40970	1477	8.34437	80.40880	1516	8.34320	80.40900
1400	8.34612	80.41020	1439	8.34501	80.40970	1478	8.34432	80.40880	1517	8.34311	80.40900
1401	8.34609	80.41020	1440	8.34500	80.40970	1479	8.34432	80.40880	1518	8.34309	80.40900

1519	8.34305	80.40900	1558	8.34214	80.40860	1597	8.34140	80.40780	1636	8.34048	80.40720
1520	8.34302	80.40890	1559	8.34211	80.40860	1598	8.34140	80.40780	1637	8.34047	80.40720
1521	8.34299	80.40890	1560	8.34209	80.40860	1599	8.34140	80.40780	1638	8.34046	80.40720
1522	8.34296	80.40890	1561	8.34206	80.40850	1600	8.34138	80.40780	1639	8.34046	80.40720
1523	8.34293	80.40890	1562	8.34204	80.40850	1601	8.34136	80.40770	1640	8.34043	80.40720
1524	8.34292	80.40890	1563	8.34202	80.40850	1602	8.34135	80.40770	1641	8.34043	80.40720
1525	8.34290	80.40890	1564	8.34199	80.40850	1603	8.34134	80.40770	1642	8.34031	80.40720
1526	8.34289	80.40890	1565	8.34197	80.40850	1604	8.34133	80.40770	1643	8.34029	80.40720
1527	8.34282	80.40890	1566	8.34195	80.40840	1605	8.34132	80.40760	1644	8.34027	80.40710
1528	8.34281	80.40890	1567	8.34192	80.40840	1606	8.34129	80.40760	1645	8.34025	80.40710
1529	8.34280	80.40890	1568	8.34190	80.40840	1607	8.34129	80.40760	1646	8.34022	80.40710
1530	8.34280	80.40890	1569	8.34189	80.40840	1608	8.34127	80.40760	1647	8.34019	80.40710
1531	8.34279	80.40890	1570	8.34186	80.40830	1609	8.34125	80.40760	1648	8.34016	80.40710
1532	8.34278	80.40890	1571	8.34184	80.40830	1610	8.34123	80.40760	1649	8.34013	80.40710
1533	8.34277	80.40890	1572	8.34184	80.40830	1611	8.34120	80.40750	1650	8.34010	80.40710
1534	8.34274	80.40890	1573	8.34184	80.40830	1612	8.34118	80.40750	1651	8.34007	80.40710
1535	8.34270	80.40890	1574	8.34183	80.40830	1613	8.34115	80.40750	1652	8.34006	80.40700
1536	8.34267	80.40890	1575	8.34183	80.40830	1614	8.34113	80.40750	1653	8.34005	80.40700
1537	8.34264	80.40890	1576	8.34182	80.40830	1615	8.34110	80.40750	1654	8.34003	80.40700
1538	8.34263	80.40890	1577	8.34181	80.40830	1616	8.34110	80.40750	1655	8.34002	80.40700
1539	8.34261	80.40890	1578	8.34180	80.40830	1617	8.34109	80.40750	1656	8.34001	80.40700
1540	8.34258	80.40880	1579	8.34179	80.40820	1618	8.34109	80.40750	1657	8.33998	80.40700
1541	8.34256	80.40880	1580	8.34176	80.40820	1619	8.34104	80.40740	1658	8.33995	80.40700
1542	8.34252	80.40880	1581	8.34174	80.40820	1620	8.34102	80.40740	1659	8.33992	80.40700
1543	8.34249	80.40880	1582	8.34172	80.40820	1621	8.34100	80.40740	1660	8.33990	80.40700
1544	8.34247	80.40880	1583	8.34170	80.40820	1622	8.34098	80.40740	1661	8.33987	80.40690
1545	8.34243	80.40880	1584	8.34167	80.40810	1623	8.34097	80.40730	1662	8.33984	80.40690
1546	8.34241	80.40880	1585	8.34165	80.40810	1624	8.34097	80.40730	1663	8.33982	80.40690
1547	8.34238	80.40880	1586	8.34165	80.40810	1625	8.34078	80.40730	1664	8.33979	80.40690
1548	8.34235	80.40870	1587	8.34165	80.40810	1626	8.34078	80.40730	1665	8.33976	80.40690
1549	8.34232	80.40870	1588	8.34165	80.40810	1627	8.34077	80.40730	1666	8.33974	80.40680
1550	8.34230	80.40870	1589	8.34155	80.40800	1628	8.34077	80.40730	1667	8.33972	80.40680
1551	8.34227	80.40870	1590	8.34153	80.40800	1629	8.34062	80.40730	1668	8.33970	80.40680
1552	8.34224	80.40870	1591	8.34151	80.40790	1630	8.34060	80.40730	1669	8.33968	80.40680
1553	8.34222	80.40870	1592	8.34150	80.40790	1631	8.34058	80.40720	1670	8.33961	80.40670
1554	8.34219	80.40860	1593	8.34148	80.40790	1632	8.34056	80.40720	1671	8.33961	80.40670
1555	8.34217	80.40860	1594	8.34146	80.40790	1633	8.34054	80.40720	1672	8.33960	80.40670
1556	8.34214	80.40860	1595	8.34145	80.40790	1634	8.34052	80.40720	1673	8.33960	80.40670
1557	8.34214	80.40860	1596	8.34140	80.40780	1635	8.34050	80.40720	1674	8.33957	80.40670

1675	8.33955	80.40670	1714	8.33884	80.40630	1753	8.33781	80.40610	1792	8.33669	80.40600
1676	8.33953	80.40670	1715	8.33882	80.40630	1754	8.33777	80.40610	1793	8.33659	80.40600
1677	8.33952	80.40670	1716	8.33876	80.40630	1755	8.33774	80.40610	1794	8.33657	80.40600
1678	8.33950	80.40660	1717	8.33876	80.40630	1756	8.33773	80.40610	1795	8.33655	80.40600
1679	8.33949	80.40660	1718	8.33875	80.40630	1757	8.33771	80.40610	1796	8.33652	80.40600
1680	8.33948	80.40660	1719	8.33873	80.40630	1758	8.33769	80.40610	1797	8.33650	80.40600
1681	8.33946	80.40660	1720	8.33872	80.40630	1759	8.33762	80.40610	1798	8.33648	80.40600
1682	8.33946	80.40660	1721	8.33862	80.40630	1760	8.33760	80.40610	1799	8.33646	80.40600
1683	8.33945	80.40660	1722	8.33861	80.40630	1761	8.33759	80.40610	1800	8.33638	80.40600
1684	8.33944	80.40660	1723	8.33860	80.40630	1762	8.33757	80.40610	1801	8.33637	80.40600
1685	8.33944	80.40660	1724	8.33859	80.40630	1763	8.33754	80.40610	1802	8.33636	80.40600
1686	8.33942	80.40660	1725	8.33850	80.40620	1764	8.33751	80.40610	1803	8.33635	80.40600
1687	8.33941	80.40660	1726	8.33850	80.40620	1765	8.33748	80.40610	1804	8.33632	80.40600
1688	8.33938	80.40650	1727	8.33849	80.40620	1766	8.33746	80.40600	1805	8.33629	80.40600
1689	8.33935	80.40650	1728	8.33848	80.40620	1767	8.33744	80.40600	1806	8.33626	80.40600
1690	8.33932	80.40650	1729	8.33847	80.40620	1768	8.33742	80.40600	1807	8.33623	80.40600
1691	8.33929	80.40650	1730	8.33846	80.40620	1769	8.33741	80.40600	1808	8.33621	80.40590
1692	8.33926	80.40650	1731	8.33844	80.40620	1770	8.33734	80.40600	1809	8.33619	80.40590
1693	8.33924	80.40650	1732	8.33839	80.40620	1771	8.33732	80.40600	1810	8.33609	80.40590
1694	8.33922	80.40650	1733	8.33837	80.40620	1772	8.33729	80.40600	1811	8.33609	80.40590
1695	8.33921	80.40650	1734	8.33832	80.40620	1773	8.33727	80.40600	1812	8.33608	80.40590
1696	8.33920	80.40650	1735	8.33831	80.40620	1774	8.33726	80.40600	1813	8.33607	80.40590
1697	8.33918	80.40650	1736	8.33829	80.40620	1775	8.33726	80.40600	1814	8.33605	80.40590
1698	8.33916	80.40640	1737	8.33827	80.40620	1776	8.33725	80.40600	1815	8.33603	80.40590
1699	8.33915	80.40640	1738	8.33819	80.40620	1777	8.33715	80.40610	1816	8.33601	80.40590
1700	8.33912	80.40640	1739	8.33818	80.40620	1778	8.33711	80.40610	1817	8.33594	80.40590
1701	8.33909	80.40640	1740	8.33817	80.40620	1779	8.33710	80.40610	1818	8.33588	80.40580
1702	8.33906	80.40640	1741	8.33816	80.40620	1780	8.33707	80.40610	1819	8.33587	80.40580
1703	8.33905	80.40640	1742	8.33816	80.40620	1781	8.33704	80.40610	1820	8.33585	80.40580
1704	8.33903	80.40640	1743	8.33815	80.40620	1782	8.33700	80.40610	1821	8.33584	80.40580
1705	8.33902	80.40640	1744	8.33815	80.40620	1783	8.33697	80.40600	1822	8.33577	80.40580
1706	8.33894	80.40640	1745	8.33807	80.40610	1784	8.33697	80.40600	1823	8.33569	80.40580
1707	8.33892	80.40630	1746	8.33803	80.40610	1785	8.33689	80.40600	1824	8.33568	80.40580
1708	8.33890	80.40630	1747	8.33800	80.40610	1786	8.33689	80.40600	1825	8.33566	80.40570
1709	8.33889	80.40630	1748	8.33797	80.40610	1787	8.33688	80.40600	1826	8.33565	80.40570
1710	8.33888	80.40630	1749	8.33789	80.40610	1788	8.33688	80.40600	1827	8.33564	80.40570
1711	8.33887	80.40630	1750	8.33788	80.40610	1789	8.33680	80.40600	1828	8.33562	80.40570
1712	8.33887	80.40630	1751	8.33785	80.40610	1790	8.33680	80.40600	1829	8.33561	80.40570
1713	8.33886	80.40630	1752	8.33784	80.40610	1791	8.33670	80.40600	1830	8.33556	80.40570

1831	8.33550	80.40570	1870	8.33465	80.40510	1909	8.33409	80.40420	1948	8.33362	80.40340
1832	8.33550	80.40570	1871	8.33463	80.40510	1910	8.33406	80.40420	1949	8.33361	80.40340
1833	8.33549	80.40570	1872	8.33463	80.40510	1911	8.33406	80.40420	1950	8.33360	80.40340
1834	8.33549	80.40570	1873	8.33462	80.40510	1912	8.33402	80.40410	1951	8.33359	80.40340
1835	8.33546	80.40570	1874	8.33462	80.40510	1913	8.33402	80.40410	1952	8.33353	80.40330
1836	8.33543	80.40560	1875	8.33454	80.40500	1914	8.33401	80.40410	1953	8.33352	80.40330
1837	8.33541	80.40560	1876	8.33453	80.40500	1915	8.33400	80.40410	1954	8.33351	80.40320
1838	8.33540	80.40560	1877	8.33451	80.40490	1916	8.33400	80.40410	1955	8.33350	80.40320
1839	8.33539	80.40560	1878	8.33450	80.40490	1917	8.33399	80.40410	1956	8.33349	80.40320
1840	8.33539	80.40560	1879	8.33448	80.40490	1918	8.33399	80.40400	1957	8.33348	80.40320
1841	8.33531	80.40560	1880	8.33446	80.40490	1919	8.33395	80.40400	1958	8.33346	80.40320
1842	8.33529	80.40560	1881	8.33444	80.40480	1920	8.33394	80.40400	1959	8.33345	80.40310
1843	8.33526	80.40560	1882	8.33443	80.40480	1921	8.33391	80.40390	1960	8.33344	80.40310
1844	8.33524	80.40550	1883	8.33441	80.40480	1922	8.33390	80.40390	1961	8.33344	80.40310
1845	8.33523	80.40550	1884	8.33439	80.40480	1923	8.33388	80.40390	1962	8.33343	80.40310
1846	8.33521	80.40550	1885	8.33439	80.40470	1924	8.33387	80.40380	1963	8.33343	80.40310
1847	8.33519	80.40550	1886	8.33438	80.40470	1925	8.33386	80.40380	1964	8.33343	80.40310
1848	8.33518	80.40550	1887	8.33437	80.40470	1926	8.33385	80.40380	1965	8.33339	80.40300
1849	8.33516	80.40550	1888	8.33433	80.40460	1927	8.33385	80.40380	1966	8.33337	80.40300
1850	8.33514	80.40550	1889	8.33432	80.40460	1928	8.33383	80.40380	1967	8.33335	80.40300
1851	8.33511	80.40550	1890	8.33431	80.40460	1929	8.33380	80.40370	1968	8.33332	80.40300
1852	8.33508	80.40550	1891	8.33430	80.40460	1930	8.33380	80.40370	1969	8.33332	80.40300
1853	8.33506	80.40540	1892	8.33430	80.40460	1931	8.33379	80.40370	1970	8.33325	80.40290
1854	8.33503	80.40540	1893	8.33430	80.40460	1932	8.33379	80.40370	1971	8.33324	80.40290
1855	8.33500	80.40540	1894	8.33429	80.40460	1933	8.33373	80.40360	1972	8.33323	80.40290
1856	8.33498	80.40540	1895	8.33427	80.40450	1934	8.33373	80.40360	1973	8.33322	80.40290
1857	8.33495	80.40540	1896	8.33426	80.40450	1935	8.33372	80.40360	1974	8.33314	80.40280
1858	8.33492	80.40530	1897	8.33424	80.40450	1936	8.33372	80.40360	1975	8.33313	80.40280
1859	8.33490	80.40530	1898	8.33422	80.40440	1937	8.33370	80.40360	1976	8.33312	80.40280
1860	8.33487	80.40530	1899	8.33421	80.40440	1938	8.33368	80.40350	1977	8.33311	80.40280
1861	8.33485	80.40530	1900	8.33417	80.40440	1939	8.33368	80.40350	1978	8.33311	80.40280
1862	8.33484	80.40530	1901	8.33417	80.40440	1940	8.33368	80.40350	1979	8.33310	80.40280
1863	8.33483	80.40530	1902	8.33417	80.40440	1941	8.33367	80.40350	1980	8.33310	80.40280
1864	8.33482	80.40530	1903	8.33417	80.40440	1942	8.33366	80.40350	1981	8.33304	80.40270
1865	8.33474	80.40520	1904	8.33416	80.40440	1943	8.33365	80.40350	1982	8.33304	80.40270
1866	8.33472	80.40520	1905	8.33412	80.40430	1944	8.33365	80.40350	1983	8.33301	80.40270
1867	8.33471	80.40520	1906	8.33412	80.40430	1945	8.33363	80.40340	1984	8.33298	80.40270
1868	8.33470	80.40520	1907	8.33411	80.40430	1946	8.33363	80.40340	1985	8.33296	80.40270
1869	8.33468	80.40510	1908	8.33411	80.40430	1947	8.33362	80.40340	1986	8.33293	80.40260

1987	8.33291	80.40260	2026	8.33224	80.40180	2065	8.33167	80.40080	2104	8.33050	80.40040
1988	8.33288	80.40260	2027	8.33220	80.40170	2066	8.33166	80.40080	2105	8.33049	80.40040
1989	8.33286	80.40260	2028	8.33220	80.40170	2067	8.33162	80.40070	2106	8.33049	80.40040
1990	8.33283	80.40260	2029	8.33217	80.40170	2068	8.33161	80.40070	2107	8.33048	80.40040
1991	8.33283	80.40260	2030	8.33215	80.40160	2069	8.33161	80.40070	2108	8.33047	80.40040
1992	8.33279	80.40250	2031	8.33215	80.40160	2070	8.33161	80.40070	2109	8.33046	80.40040
1993	8.33279	80.40250	2032	8.33213	80.40160	2071	8.33160	80.40070	2110	8.33025	80.40050
1994	8.33275	80.40250	2033	8.33211	80.40160	2072	8.33157	80.40060	2111	8.33023	80.40050
1995	8.33273	80.40250	2034	8.33209	80.40160	2073	8.33156	80.40060	2112	8.33021	80.40050
1996	8.33270	80.40250	2035	8.33207	80.40160	2074	8.33155	80.40060	2113	8.33019	80.40050
1997	8.33268	80.40240	2036	8.33204	80.40150	2075	8.33154	80.40060	2114	8.33016	80.40050
1998	8.33266	80.40240	2037	8.33203	80.40150	2076	8.33153	80.40060	2115	8.33012	80.40050
1999	8.33264	80.40240	2038	8.33203	80.40150	2077	8.33151	80.40050	2116	8.33009	80.40050
2000	8.33262	80.40240	2039	8.33202	80.40150	2078	8.33149	80.40050	2117	8.33006	80.40050
2001	8.33261	80.40240	2040	8.33201	80.40150	2079	8.33148	80.40050	2118	8.33003	80.40050
2002	8.33260	80.40230	2041	8.33198	80.40150	2080	8.33146	80.40050	2119	8.33000	80.40050
2003	8.33259	80.40230	2042	8.33196	80.40140	2081	8.33145	80.40040	2120	8.32998	80.40050
2004	8.33251	80.40220	2043	8.33195	80.40140	2082	8.33143	80.40040	2121	8.32997	80.40050
2005	8.33250	80.40220	2044	8.33193	80.40140	2083	8.33142	80.40040	2122	8.32995	80.40050
2006	8.33249	80.40220	2045	8.33191	80.40140	2084	8.33140	80.40040	2123	8.32978	80.40040
2007	8.33248	80.40220	2046	8.33189	80.40130	2085	8.33139	80.40040	2124	8.32977	80.40040
2008	8.33246	80.40220	2047	8.33187	80.40130	2086	8.33136	80.40040	2125	8.32975	80.40040
2009	8.33244	80.40210	2048	8.33186	80.40130	2087	8.33133	80.40040	2126	8.32973	80.40040
2010	8.33242	80.40210	2049	8.33184	80.40130	2088	8.33130	80.40040	2127	8.32971	80.40040
2011	8.33241	80.40210	2050	8.33183	80.40120	2089	8.33128	80.40040	2128	8.32927	80.40040
2012	8.33239	80.40210	2051	8.33181	80.40120	2090	8.33125	80.40040	2129	8.32927	80.40040
2013	8.33237	80.40200	2052	8.33180	80.40120	2091	8.33122	80.40030	2130	8.32924	80.40040
2014	8.33236	80.40200	2053	8.33179	80.40110	2092	8.33120	80.40030	2131	8.32920	80.40040
2015	8.33235	80.40200	2054	8.33177	80.40110	2093	8.33117	80.40030	2132	8.32917	80.40040
2016	8.33233	80.40200	2055	8.33176	80.40110	2094	8.33116	80.40030	2133	8.32915	80.40040
2017	8.33230	80.40190	2056	8.33175	80.40110	2095	8.33097	80.40030	2134	8.32911	80.40030
2018	8.33230	80.40190	2057	8.33174	80.40100	2096	8.33083	80.40040	2135	8.32908	80.40030
2019	8.33229	80.40190	2058	8.33173	80.40100	2097	8.33081	80.40040	2136	8.32905	80.40030
2020	8.33229	80.40190	2059	8.33172	80.40100	2098	8.33078	80.40040	2137	8.32902	80.40030
2021	8.33228	80.40190	2060	8.33171	80.40090	2099	8.33076	80.40040	2138	8.32899	80.40030
2022	8.33226	80.40180	2061	8.33171	80.40090	2100	8.33073	80.40040	2139	8.32898	80.40030
2023	8.33225	80.40180	2062	8.33170	80.40090	2101	8.33070	80.40040	2140	8.32896	80.40030
2024	8.33225	80.40180	2063	8.33169	80.40090	2102	8.33068	80.40040	2141	8.32894	80.40030
2025	8.33225	80.40180	2064	8.33168	80.40090	2103	8.33050	80.40040	2142	8.32884	80.40020

2143	8.32882	80.40020	2182	8.32741	80.39940	2221	8.32656	80.39870	2260	8.32578	80.39790
2144	8.32881	80.40020	2183	8.32740	80.39940	2222	8.32653	80.39860	2261	8.32577	80.39790
2145	8.32880	80.40020	2184	8.32740	80.39940	2223	8.32651	80.39860	2262	8.32575	80.39790
2146	8.32877	80.40020	2185	8.32739	80.39940	2224	8.32648	80.39860	2263	8.32573	80.39780
2147	8.32874	80.40020	2186	8.32733	80.39940	2225	8.32646	80.39860	2264	8.32572	80.39780
2148	8.32871	80.40020	2187	8.32731	80.39940	2226	8.32645	80.39860	2265	8.32572	80.39780
2149	8.32870	80.40020	2188	8.32729	80.39930	2227	8.32645	80.39860	2266	8.32571	80.39780
2150	8.32870	80.40020	2189	8.32727	80.39930	2228	8.32644	80.39860	2267	8.32567	80.39770
2151	8.32869	80.40020	2190	8.32725	80.39930	2229	8.32637	80.39850	2268	8.32567	80.39770
2152	8.32845	80.40010	2191	8.32723	80.39930	2230	8.32635	80.39850	2269	8.32557	80.39760
2153	8.32844	80.40010	2192	8.32721	80.39930	2231	8.32633	80.39850	2270	8.32557	80.39760
2154	8.32843	80.40000	2193	8.32720	80.39920	2232	8.32632	80.39850	2271	8.32556	80.39760
2155	8.32841	80.40000	2194	8.32719	80.39920	2233	8.32630	80.39840	2272	8.32555	80.39760
2156	8.32825	80.39990	2195	8.32718	80.39920	2234	8.32627	80.39840	2273	8.32553	80.39760
2157	8.32824	80.39990	2196	8.32711	80.39920	2235	8.32625	80.39840	2274	8.32551	80.39750
2158	8.32823	80.39990	2197	8.32710	80.39910	2236	8.32624	80.39840	2275	8.32549	80.39750
2159	8.32823	80.39990	2198	8.32708	80.39910	2237	8.32623	80.39840	2276	8.32548	80.39750
2160	8.32822	80.39990	2199	8.32707	80.39910	2238	8.32622	80.39830	2277	8.32546	80.39750
2161	8.32822	80.39990	2200	8.32705	80.39910	2239	8.32621	80.39830	2278	8.32544	80.39740
2162	8.32822	80.39990	2201	8.32703	80.39910	2240	8.32619	80.39830	2279	8.32544	80.39740
2163	8.32787	80.39970	2202	8.32701	80.39900	2241	8.32618	80.39830	2280	8.32544	80.39740
2164	8.32786	80.39970	2203	8.32700	80.39900	2242	8.32616	80.39830	2281	8.32544	80.39740
2165	8.32784	80.39970	2204	8.32698	80.39900	2243	8.32614	80.39830	2282	8.32531	80.39720
2166	8.32782	80.39970	2205	8.32696	80.39900	2244	8.32606	80.39820	2283	8.32530	80.39720
2167	8.32778	80.39970	2206	8.32695	80.39890	2245	8.32606	80.39820	2284	8.32530	80.39720
2168	8.32772	80.39960	2207	8.32695	80.39890	2246	8.32605	80.39820	2285	8.32517	80.39700
2169	8.32772	80.39960	2208	8.32691	80.39890	2247	8.32604	80.39820	2286	8.32516	80.39700
2170	8.32771	80.39960	2209	8.32688	80.39890	2248	8.32602	80.39820	2287	8.32516	80.39700
2171	8.32770	80.39960	2210	8.32684	80.39880	2249	8.32600	80.39820	2288	8.32515	80.39700
2172	8.32761	80.39960	2211	8.32684	80.39880	2250	8.32597	80.39810	2289	8.32492	80.39670
2173	8.32760	80.39960	2212	8.32681	80.39880	2251	8.32595	80.39810	2290	8.32481	80.39660
2174	8.32758	80.39960	2213	8.32676	80.39880	2252	8.32593	80.39810	2291	8.32473	80.39650
2175	8.32756	80.39950	2214	8.32674	80.39880	2253	8.32591	80.39810	2292	8.32467	80.39650
2176	8.32755	80.39950	2215	8.32671	80.39880	2254	8.32589	80.39800	2293	8.32467	80.39650
2177	8.32753	80.39950	2216	8.32669	80.39880	2255	8.32587	80.39800	2294	8.32462	80.39640
2178	8.32751	80.39950	2217	8.32666	80.39870	2256	8.32585	80.39800	2295	8.32461	80.39640
2179	8.32743	80.39940	2218	8.32663	80.39870	2257	8.32585	80.39800	2296	8.32457	80.39640
2180	8.32743	80.39940	2219	8.32661	80.39870	2258	8.32585	80.39800	2297	8.32456	80.39640
2181	8.32742	80.39940	2220	8.32658	80.39870	2259	8.32585	80.39800	2298	8.32456	80.39640

2299	8.32455	80.39640	2338	8.32335	80.39580	2377	8.32211	80.39460	2416	8.32169	80.39310
2300	8.32452	80.39640	2339	8.32332	80.39580	2378	8.32211	80.39460	2417	8.32168	80.39300
2301	8.32449	80.39640	2340	8.32331	80.39580	2379	8.32211	80.39460	2418	8.32168	80.39300
2302	8.32446	80.39640	2341	8.32330	80.39580	2380	8.32210	80.39460	2419	8.32168	80.39300
2303	8.32443	80.39640	2342	8.32329	80.39580	2381	8.32209	80.39450	2420	8.32168	80.39300
2304	8.32440	80.39640	2343	8.32329	80.39580	2382	8.32207	80.39450	2421	8.32168	80.39300
2305	8.32437	80.39640	2344	8.32328	80.39580	2383	8.32185	80.39390	2422	8.32168	80.39300
2306	8.32434	80.39640	2345	8.32328	80.39580	2384	8.32184	80.39390	2423	8.32168	80.39300
2307	8.32431	80.39640	2346	8.32323	80.39570	2385	8.32184	80.39390	2424	8.32168	80.39290
2308	8.32428	80.39630	2347	8.32262	80.39530	2386	8.32183	80.39390	2425	8.32167	80.39290
2309	8.32427	80.39630	2348	8.32261	80.39530	2387	8.32182	80.39380	2426	8.32166	80.39290
2310	8.32425	80.39630	2349	8.32260	80.39530	2388	8.32181	80.39380	2427	8.32166	80.39280
2311	8.32424	80.39630	2350	8.32260	80.39530	2389	8.32181	80.39380	2428	8.32166	80.39280
2312	8.32401	80.39620	2351	8.32257	80.39530	2390	8.32180	80.39370	2429	8.32165	80.39280
2313	8.32399	80.39620	2352	8.32255	80.39520	2391	8.32179	80.39370	2430	8.32165	80.39280
2314	8.32397	80.39620	2353	8.32252	80.39520	2392	8.32178	80.39370	2431	8.32165	80.39280
2315	8.32396	80.39620	2354	8.32250	80.39520	2393	8.32178	80.39370	2432	8.32165	80.39280
2316	8.32395	80.39620	2355	8.32248	80.39520	2394	8.32177	80.39360	2433	8.32163	80.39260
2317	8.32394	80.39620	2356	8.32245	80.39510	2395	8.32176	80.39360	2434	8.32103	80.39240
2318	8.32393	80.39620	2357	8.32243	80.39510	2396	8.32176	80.39350	2435	8.32077	80.39230
2319	8.32386	80.39610	2358	8.32241	80.39510	2397	8.32176	80.39350	2436	8.32075	80.39230
2320	8.32385	80.39610	2359	8.32239	80.39510	2398	8.32175	80.39350	2437	8.32074	80.39230
2321	8.32382	80.39610	2360	8.32237	80.39510	2399	8.32174	80.39340	2438	8.32073	80.39230
2322	8.32380	80.39610	2361	8.32235	80.39500	2400	8.32174	80.39340	2439	8.32073	80.39230
2323	8.32376	80.39610	2362	8.32233	80.39500	2401	8.32174	80.39340	2440	8.32072	80.39230
2324	8.32374	80.39610	2363	8.32231	80.39500	2402	8.32173	80.39340	2441	8.32071	80.39230
2325	8.32371	80.39610	2364	8.32229	80.39500	2403	8.32173	80.39340	2442	8.32071	80.39230
2326	8.32368	80.39610	2365	8.32227	80.39490	2404	8.32173	80.39340	2443	8.32068	80.39230
2327	8.32365	80.39600	2366	8.32226	80.39490	2405	8.32172	80.39330	2444	8.32048	80.39230
2328	8.32363	80.39600	2367	8.32224	80.39490	2406	8.32171	80.39330	2445	8.32048	80.39230
2329	8.32360	80.39600	2368	8.32222	80.39490	2407	8.32171	80.39320	2446	8.32048	80.39230
2330	8.32357	80.39600	2369	8.32221	80.39480	2408	8.32171	80.39320	2447	8.32047	80.39230
2331	8.32357	80.39600	2370	8.32219	80.39480	2409	8.32170	80.39320	2448	8.32047	80.39230
2332	8.32357	80.39600	2371	8.32218	80.39480	2410	8.32170	80.39320	2449	8.32044	80.39230
2333	8.32356	80.39600	2372	8.32217	80.39470	2411	8.32170	80.39320	2450	8.32040	80.39230
2334	8.32343	80.39590	2373	8.32215	80.39470	2412	8.32170	80.39320	2451	8.32037	80.39230
2335	8.32341	80.39590	2374	8.32214	80.39470	2413	8.32169	80.39310	2452	8.32035	80.39230
2336	8.32339	80.39590	2375	8.32213	80.39470	2414	8.32169	80.39310	2453	8.32034	80.39230
2337	8.32337	80.39590	2376	8.32212	80.39460	2415	8.32169	80.39310	2454	8.32034	80.39230

2455	8.32031	80.39230	2494	8.31830	80.39230	2533	8.31639	80.39230	2572	8.31446	80.39230
2456	8.32028	80.39230	2495	8.31827	80.39230	2534	8.31638	80.39230	2573	8.31443	80.39230
2457	8.32025	80.39230	2496	8.31816	80.39230	2535	8.31636	80.39230	2574	8.31439	80.39230
2458	8.32024	80.39230	2497	8.31808	80.39230	2536	8.31634	80.39230	2575	8.31436	80.39230
2459	8.32018	80.39230	2498	8.31808	80.39230	2537	8.31632	80.39230	2576	8.31433	80.39230
2460	8.32005	80.39230	2499	8.31805	80.39230	2538	8.31624	80.39230	2577	8.31430	80.39230
2461	8.32005	80.39230	2500	8.31802	80.39230	2539	8.31620	80.39230	2578	8.31427	80.39230
2462	8.32005	80.39230	2501	8.31799	80.39230	2540	8.31620	80.39230	2579	8.31424	80.39230
2463	8.32004	80.39230	2502	8.31790	80.39230	2541	8.31604	80.39230	2580	8.31420	80.39230
2464	8.32001	80.39230	2503	8.31782	80.39230	2542	8.31601	80.39230	2581	8.31417	80.39230
2465	8.31998	80.39230	2504	8.31780	80.39230	2543	8.31599	80.39230	2582	8.31415	80.39230
2466	8.31995	80.39230	2505	8.31778	80.39230	2544	8.31595	80.39230	2583	8.31411	80.39230
2467	8.31994	80.39230	2506	8.31776	80.39230	2545	8.31593	80.39230	2584	8.31408	80.39230
2468	8.31993	80.39230	2507	8.31775	80.39230	2546	8.31578	80.39220	2585	8.31405	80.39230
2469	8.31993	80.39230	2508	8.31773	80.39230	2547	8.31578	80.39220	2586	8.31402	80.39230
2470	8.31985	80.39230	2509	8.31772	80.39230	2548	8.31577	80.39220	2587	8.31399	80.39230
2471	8.31976	80.39230	2510	8.31767	80.39230	2549	8.31514	80.39220	2588	8.31398	80.39230
2472	8.31976	80.39230	2511	8.31760	80.39230	2550	8.31512	80.39220	2589	8.31382	80.39250
2473	8.31966	80.39230	2512	8.31730	80.39230	2551	8.31500	80.39220	2590	8.31381	80.39250
2474	8.31964	80.39230	2513	8.31721	80.39230	2552	8.31500	80.39220	2591	8.31380	80.39250
2475	8.31963	80.39230	2514	8.31719	80.39230	2553	8.31498	80.39220	2592	8.31379	80.39250
2476	8.31961	80.39230	2515	8.31716	80.39230	2554	8.31492	80.39220	2593	8.31377	80.39260
2477	8.31955	80.39230	2516	8.31714	80.39230	2555	8.31491	80.39220	2594	8.31374	80.39260
2478	8.31951	80.39230	2517	8.31712	80.39230	2556	8.31489	80.39220	2595	8.31372	80.39260
2479	8.31950	80.39230	2518	8.31711	80.39230	2557	8.31488	80.39220	2596	8.31369	80.39260
2480	8.31946	80.39230	2519	8.31710	80.39230	2558	8.31488	80.39220	2597	8.31367	80.39260
2481	8.31945	80.39230	2520	8.31699	80.39230	2559	8.31483	80.39220	2598	8.31364	80.39270
2482	8.31943	80.39230	2521	8.31698	80.39230	2560	8.31478	80.39220	2599	8.31362	80.39270
2483	8.31941	80.39230	2522	8.31696	80.39230	2561	8.31469	80.39220	2600	8.31359	80.39270
2484	8.31940	80.39230	2523	8.31695	80.39230	2562	8.31469	80.39220	2601	8.31357	80.39270
2485	8.31937	80.39230	2524	8.31680	80.39230	2563	8.31464	80.39230	2602	8.31354	80.39270
2486	8.31935	80.39230	2525	8.31680	80.39230	2564	8.31463	80.39230	2603	8.31351	80.39280
2487	8.31863	80.39230	2526	8.31680	80.39230	2565	8.31462	80.39230	2604	8.31349	80.39280
2488	8.31845	80.39230	2527	8.31679	80.39230	2566	8.31460	80.39230	2605	8.31346	80.39280
2489	8.31843	80.39230	2528	8.31679	80.39230	2567	8.31459	80.39230	2606	8.31343	80.39280
2490	8.31841	80.39230	2529	8.31660	80.39230	2568	8.31457	80.39230	2607	8.31340	80.39280
2491	8.31839	80.39230	2530	8.31647	80.39230	2569	8.31455	80.39230	2608	8.31338	80.39280
2492	8.31837	80.39230	2531	8.31641	80.39230	2570	8.31452	80.39230	2609	8.31335	80.39280
2493	8.31834	80.39230	2532	8.31640	80.39230	2571	8.31449	80.39230	2610	8.31332	80.39290

2611	8.31241	80.39320	2650	8.31163	80.39440	2689	8.30928	80.39550	2728	8.30647	80.39480
2612	8.31240	80.39320	2651	8.31160	80.39440	2690	8.30927	80.39550	2729	8.30630	80.39490
2613	8.31240	80.39320	2652	8.31159	80.39440	2691	8.30927	80.39550	2730	8.30629	80.39500
2614	8.31240	80.39330	2653	8.31159	80.39450	2692	8.30926	80.39550	2731	8.30627	80.39500
2615	8.31239	80.39330	2654	8.31158	80.39450	2693	8.30923	80.39550	2732	8.30625	80.39500
2616	8.31238	80.39330	2655	8.31126	80.39470	2694	8.30920	80.39550	2733	8.30622	80.39500
2617	8.31237	80.39340	2656	8.31124	80.39470	2695	8.30917	80.39550	2734	8.30620	80.39500
2618	8.31237	80.39340	2657	8.31122	80.39470	2696	8.30914	80.39550	2735	8.30617	80.39500
2619	8.31236	80.39340	2658	8.31121	80.39470	2697	8.30910	80.39550	2736	8.30615	80.39510
2620	8.31235	80.39340	2659	8.31118	80.39480	2698	8.30907	80.39550	2737	8.30612	80.39510
2621	8.31234	80.39350	2660	8.31115	80.39480	2699	8.30904	80.39550	2738	8.30609	80.39510
2622	8.31232	80.39350	2661	8.31112	80.39480	2700	8.30901	80.39550	2739	8.30606	80.39510
2623	8.31231	80.39350	2662	8.31110	80.39480	2701	8.30898	80.39550	2740	8.30603	80.39510
2624	8.31230	80.39360	2663	8.31107	80.39480	2702	8.30895	80.39550	2741	8.30601	80.39510
2625	8.31229	80.39360	2664	8.31104	80.39480	2703	8.30891	80.39550	2742	8.30598	80.39510
2626	8.31227	80.39360	2665	8.31102	80.39480	2704	8.30888	80.39550	2743	8.30595	80.39520
2627	8.31226	80.39370	2666	8.31098	80.39490	2705	8.30886	80.39550	2744	8.30592	80.39520
2628	8.31224	80.39370	2667	8.31096	80.39490	2706	8.30882	80.39550	2745	8.30592	80.39520
2629	8.31223	80.39370	2668	8.31095	80.39490	2707	8.30879	80.39550	2746	8.30592	80.39520
2630	8.31221	80.39370	2669	8.31047	80.39510	2708	8.30876	80.39550	2747	8.30591	80.39520
2631	8.31220	80.39380	2670	8.31000	80.39530	2709	8.30873	80.39550	2748	8.30546	80.39540
2632	8.31218	80.39380	2671	8.30999	80.39530	2710	8.30870	80.39550	2749	8.30543	80.39540
2633	8.31216	80.39380	2672	8.30997	80.39530	2711	8.30867	80.39550	2750	8.30540	80.39540
2634	8.31214	80.39380	2673	8.30995	80.39540	2712	8.30864	80.39550	2751	8.30538	80.39540
2635	8.31213	80.39390	2674	8.30992	80.39540	2713	8.30861	80.39550	2752	8.30536	80.39540
2636	8.31211	80.39390	2675	8.30989	80.39540	2714	8.30859	80.39550	2753	8.30533	80.39540
2637	8.31210	80.39390	2676	8.30986	80.39540	2715	8.30856	80.39540	2754	8.30531	80.39540
2638	8.31209	80.39390	2677	8.30983	80.39540	2716	8.30854	80.39540	2755	8.30529	80.39540
2639	8.31183	80.39420	2678	8.30980	80.39540	2717	8.30741	80.39500	2756	8.30528	80.39540
2640	8.31183	80.39420	2679	8.30977	80.39540	2718	8.30673	80.39490	2757	8.30525	80.39540
2641	8.31182	80.39420	2680	8.30975	80.39540	2719	8.30673	80.39490	2758	8.30522	80.39540
2642	8.31181	80.39420	2681	8.30971	80.39540	2720	8.30672	80.39490	2759	8.30519	80.39540
2643	8.31179	80.39430	2682	8.30968	80.39550	2721	8.30672	80.39490	2760	8.30516	80.39540
2644	8.31176	80.39430	2683	8.30965	80.39550	2722	8.30669	80.39490	2761	8.30513	80.39550
2645	8.31174	80.39430	2684	8.30962	80.39550	2723	8.30665	80.39480	2762	8.30510	80.39550
2646	8.31172	80.39430	2685	8.30959	80.39550	2724	8.30662	80.39480	2763	8.30507	80.39550
2647	8.31170	80.39440	2686	8.30957	80.39550	2725	8.30662	80.39480	2764	8.30503	80.39550
2648	8.31168	80.39440	2687	8.30954	80.39550	2726	8.30662	80.39480	2765	8.30500	80.39550
2649	8.31165	80.39440	2688	8.30951	80.39550	2727	8.30661	80.39480	2766	8.30497	80.39550

2767	8.30494	80.39550	2806	8.30184	80.39560	2845	8.29987	80.39640	2884	8.29967	80.39750
2768	8.30491	80.39550	2807	8.30181	80.39570	2846	8.29988	80.39640	2885	8.29966	80.39760
2769	8.30490	80.39550	2808	8.30181	80.39570	2847	8.29989	80.39640	2886	8.29963	80.39760
2770	8.30488	80.39550	2809	8.30180	80.39570	2848	8.29989	80.39650	2887	8.29962	80.39760
2771	8.30487	80.39550	2810	8.30180	80.39570	2849	8.29990	80.39650	2888	8.29960	80.39760
2772	8.30299	80.39540	2811	8.30128	80.39590	2850	8.29990	80.39650	2889	8.29958	80.39770
2773	8.30297	80.39540	2812	8.30125	80.39590	2851	8.29991	80.39660	2890	8.29956	80.39770
2774	8.30295	80.39540	2813	8.30123	80.39590	2852	8.29991	80.39660	2891	8.29954	80.39770
2775	8.30293	80.39540	2814	8.30120	80.39590	2853	8.29991	80.39660	2892	8.29951	80.39770
2776	8.30290	80.39540	2815	8.30117	80.39600	2854	8.29991	80.39670	2893	8.29949	80.39780
2777	8.30286	80.39540	2816	8.30114	80.39600	2855	8.29992	80.39670	2894	8.29947	80.39780
2778	8.30283	80.39540	2817	8.30111	80.39600	2856	8.29991	80.39670	2895	8.29945	80.39780
2779	8.30281	80.39540	2818	8.30109	80.39600	2857	8.29992	80.39670	2896	8.29942	80.39780
2780	8.30277	80.39540	2819	8.30107	80.39600	2858	8.29992	80.39680	2897	8.29940	80.39780
2781	8.30274	80.39540	2820	8.30104	80.39600	2859	8.29991	80.39680	2898	8.29937	80.39790
2782	8.30271	80.39540	2821	8.30103	80.39600	2860	8.29991	80.39680	2899	8.29935	80.39790
2783	8.30268	80.39540	2822	8.30102	80.39600	2861	8.29991	80.39690	2900	8.29933	80.39790
2784	8.30265	80.39540	2823	8.30099	80.39600	2862	8.29991	80.39690	2901	8.29930	80.39790
2785	8.30262	80.39540	2824	8.30095	80.39600	2863	8.29990	80.39690	2902	8.29927	80.39790
2786	8.30259	80.39540	2825	8.30093	80.39600	2864	8.29990	80.39690	2903	8.29925	80.39790
2787	8.30256	80.39530	2826	8.30090	80.39600	2865	8.29989	80.39700	2904	8.29922	80.39800
2788	8.30254	80.39530	2827	8.30087	80.39600	2866	8.29989	80.39700	2905	8.29919	80.39800
2789	8.30252	80.39530	2828	8.30085	80.39600	2867	8.29988	80.39700	2906	8.29917	80.39800
2790	8.30250	80.39530	2829	8.30014	80.39610	2868	8.29987	80.39710	2907	8.29914	80.39800
2791	8.30231	80.39520	2830	8.30014	80.39610	2869	8.29987	80.39710	2908	8.29911	80.39800
2792	8.30219	80.39540	2831	8.30013	80.39610	2870	8.29986	80.39710	2909	8.29908	80.39800
2793	8.30217	80.39540	2832	8.30013	80.39610	2871	8.29985	80.39720	2910	8.29905	80.39810
2794	8.30215	80.39540	2833	8.30010	80.39610	2872	8.29984	80.39720	2911	8.29902	80.39810
2795	8.30212	80.39540	2834	8.30006	80.39620	2873	8.29983	80.39720	2912	8.29900	80.39810
2796	8.30210	80.39550	2835	8.30003	80.39620	2874	8.29982	80.39730	2913	8.29896	80.39810
2797	8.30207	80.39550	2836	8.30000	80.39620	2875	8.29981	80.39730	2914	8.29893	80.39810
2798	8.30205	80.39550	2837	8.29997	80.39620	2876	8.29979	80.39730	2915	8.29891	80.39810
2799	8.30203	80.39550	2838	8.29994	80.39620	2877	8.29978	80.39730	2916	8.29887	80.39810
2800	8.30200	80.39550	2839	8.29991	80.39620	2878	8.29977	80.39740	2917	8.29884	80.39810
2801	8.30197	80.39560	2840	8.29988	80.39620	2879	8.29975	80.39740	2918	8.29882	80.39810
2802	8.30195	80.39560	2841	8.29984	80.39630	2880	8.29974	80.39740	2919	8.29878	80.39810
2803	8.30192	80.39560	2842	8.29985	80.39630	2881	8.29972	80.39750	2920	8.29875	80.39820
2804	8.30189	80.39560	2843	8.29986	80.39630	2882	8.29971	80.39750	2921	8.29872	80.39820
2805	8.30187	80.39560	2844	8.29987	80.39630	2883	8.29969	80.39750	2922	8.29869	80.39820

2923	8.29866	80.39820	2962	8.29738	80.39940	3001	8.29644	80.39990	3040	8.29557	80.40030
2924	8.29865	80.39820	2963	8.29737	80.39940	3002	8.29641	80.39990	3041	8.29557	80.40030
2925	8.29863	80.39820	2964	8.29736	80.39940	3003	8.29639	80.40000	3042	8.29556	80.40030
2926	8.29861	80.39820	2965	8.29735	80.39940	3004	8.29636	80.40000	3043	8.29555	80.40030
2927	8.29856	80.39820	2966	8.29733	80.39940	3005	8.29633	80.40000	3044	8.29552	80.40030
2928	8.29825	80.39840	2967	8.29729	80.39950	3006	8.29630	80.40000	3045	8.29550	80.40030
2929	8.29822	80.39850	2968	8.29727	80.39950	3007	8.29627	80.40000	3046	8.29547	80.40030
2930	8.29806	80.39870	2969	8.29724	80.39950	3008	8.29625	80.40000	3047	8.29547	80.40030
2931	8.29806	80.39870	2970	8.29721	80.39950	3009	8.29622	80.40000	3048	8.29544	80.40030
2932	8.29805	80.39870	2971	8.29718	80.39950	3010	8.29619	80.40010	3049	8.29544	80.40030
2933	8.29805	80.39870	2972	8.29715	80.39950	3011	8.29616	80.40010	3050	8.29543	80.40030
2934	8.29804	80.39870	2973	8.29712	80.39950	3012	8.29615	80.40010	3051	8.29543	80.40030
2935	8.29803	80.39880	2974	8.29709	80.39960	3013	8.29614	80.40010	3052	8.29542	80.40030
2936	8.29801	80.39880	2975	8.29706	80.39960	3014	8.29612	80.40010	3053	8.29542	80.40030
2937	8.29800	80.39880	2976	8.29703	80.39960	3015	8.29609	80.40010	3054	8.29541	80.40040
2938	8.29798	80.39880	2977	8.29700	80.39960	3016	8.29607	80.40010	3055	8.29540	80.40040
2939	8.29796	80.39890	2978	8.29697	80.39960	3017	8.29606	80.40010	3056	8.29539	80.40040
2940	8.29795	80.39890	2979	8.29694	80.39960	3018	8.29605	80.40010	3057	8.29539	80.40040
2941	8.29793	80.39890	2980	8.29691	80.39960	3019	8.29605	80.40010	3058	8.29539	80.40040
2942	8.29791	80.39900	2981	8.29688	80.39960	3020	8.29604	80.40010	3059	8.29538	80.40040
2943	8.29789	80.39900	2982	8.29685	80.39960	3021	8.29593	80.40020	3060	8.29537	80.40040
2944	8.29788	80.39900	2983	8.29683	80.39960	3022	8.29583	80.40020	3061	8.29536	80.40040
2945	8.29785	80.39900	2984	8.29682	80.39960	3023	8.29582	80.40020	3062	8.29536	80.40050
2946	8.29783	80.39910	2985	8.29679	80.39960	3024	8.29580	80.40020	3063	8.29535	80.40050
2947	8.29781	80.39910	2986	8.29677	80.39960	3025	8.29579	80.40020	3064	8.29535	80.40050
2948	8.29779	80.39910	2987	8.29676	80.39960	3026	8.29577	80.40020	3065	8.29533	80.40050
2949	8.29777	80.39910	2988	8.29674	80.39970	3027	8.29574	80.40020	3066	8.29533	80.40050
2950	8.29775	80.39910	2989	8.29671	80.39970	3028	8.29571	80.40020	3067	8.29533	80.40050
2951	8.29772	80.39920	2990	8.29669	80.39970	3029	8.29570	80.40020	3068	8.29532	80.40050
2952	8.29770	80.39920	2991	8.29667	80.39970	3030	8.29569	80.40020	3069	8.29532	80.40050
2953	8.29768	80.39920	2992	8.29665	80.39970	3031	8.29569	80.40020	3070	8.29531	80.40050
2954	8.29765	80.39920	2993	8.29663	80.39980	3032	8.29569	80.40020	3071	8.29530	80.40060
2955	8.29763	80.39930	2994	8.29661	80.39980	3033	8.29566	80.40020	3072	8.29529	80.40060
2956	8.29760	80.39930	2995	8.29658	80.39980	3034	8.29564	80.40030	3073	8.29528	80.40060
2957	8.29757	80.39930	2996	8.29656	80.39980	3035	8.29561	80.40030	3074	8.29528	80.40060
2958	8.29755	80.39930	2997	8.29654	80.39980	3036	8.29560	80.40030	3075	8.29528	80.40060
2959	8.29753	80.39930	2998	8.29651	80.39990	3037	8.29559	80.40030	3076	8.29527	80.40060
2960	8.29751	80.39930	2999	8.29649	80.39990	3038	8.29559	80.40030	3077	8.29527	80.40060
2961	8.29750	80.39930	3000	8.29646	80.39990	3039	8.29558	80.40030	3078	8.29526	80.40060

3079	8.29525	80.40060	3118	8.29463	80.40140	3157	8.29365	80.40200	3196	8.29339	80.40270
3080	8.29525	80.40060	3119	8.29463	80.40140	3158	8.29364	80.40200	3197	8.29338	80.40270
3081	8.29525	80.40060	3120	8.29462	80.40140	3159	8.29364	80.40200	3198	8.29337	80.40270
3082	8.29525	80.40070	3121	8.29462	80.40140	3160	8.29364	80.40200	3199	8.29336	80.40270
3083	8.29524	80.40070	3122	8.29456	80.40140	3161	8.29364	80.40200	3200	8.29335	80.40270
3084	8.29523	80.40070	3123	8.29455	80.40140	3162	8.29363	80.40200	3201	8.29335	80.40280
3085	8.29523	80.40070	3124	8.29455	80.40140	3163	8.29362	80.40200	3202	8.29334	80.40280
3086	8.29523	80.40070	3125	8.29453	80.40140	3164	8.29362	80.40210	3203	8.29333	80.40280
3087	8.29521	80.40070	3126	8.29450	80.40150	3165	8.29361	80.40210	3204	8.29331	80.40280
3088	8.29520	80.40070	3127	8.29447	80.40150	3166	8.29359	80.40210	3205	8.29329	80.40280
3089	8.29518	80.40080	3128	8.29444	80.40150	3167	8.29358	80.40210	3206	8.29328	80.40290
3090	8.29517	80.40080	3129	8.29441	80.40150	3168	8.29358	80.40220	3207	8.29326	80.40290
3091	8.29515	80.40080	3130	8.29439	80.40150	3169	8.29358	80.40220	3208	8.29324	80.40290
3092	8.29513	80.40090	3131	8.29436	80.40150	3170	8.29358	80.40220	3209	8.29322	80.40290
3093	8.29513	80.40090	3132	8.29433	80.40150	3171	8.29357	80.40220	3210	8.29320	80.40290
3094	8.29512	80.40090	3133	8.29430	80.40160	3172	8.29357	80.40220	3211	8.29319	80.40300
3095	8.29511	80.40090	3134	8.29427	80.40160	3173	8.29357	80.40220	3212	8.29317	80.40300
3096	8.29508	80.40090	3135	8.29424	80.40160	3174	8.29357	80.40220	3213	8.29317	80.40300
3097	8.29507	80.40100	3136	8.29421	80.40160	3175	8.29356	80.40220	3214	8.29315	80.40300
3098	8.29505	80.40100	3137	8.29421	80.40160	3176	8.29356	80.40220	3215	8.29313	80.40300
3099	8.29504	80.40100	3138	8.29420	80.40160	3177	8.29355	80.40230	3216	8.29311	80.40300
3100	8.29503	80.40100	3139	8.29419	80.40160	3178	8.29355	80.40230	3217	8.29311	80.40300
3101	8.29500	80.40100	3140	8.29392	80.40170	3179	8.29355	80.40230	3218	8.29310	80.40310
3102	8.29498	80.40110	3141	8.29389	80.40170	3180	8.29354	80.40230	3219	8.29310	80.40310
3103	8.29496	80.40110	3142	8.29387	80.40170	3181	8.29354	80.40230	3220	8.29309	80.40310
3104	8.29494	80.40110	3143	8.29385	80.40170	3182	8.29354	80.40230	3221	8.29307	80.40310
3105	8.29492	80.40110	3144	8.29382	80.40170	3183	8.29353	80.40230	3222	8.29304	80.40310
3106	8.29490	80.40110	3145	8.29378	80.40170	3184	8.29352	80.40240	3223	8.29302	80.40310
3107	8.29487	80.40120	3146	8.29375	80.40170	3185	8.29352	80.40240	3224	8.29300	80.40310
3108	8.29485	80.40120	3147	8.29373	80.40170	3186	8.29351	80.40240	3225	8.29298	80.40320
3109	8.29484	80.40120	3148	8.29370	80.40170	3187	8.29351	80.40240	3226	8.29296	80.40320
3110	8.29482	80.40120	3149	8.29369	80.40170	3188	8.29350	80.40240	3227	8.29295	80.40320
3111	8.29481	80.40120	3150	8.29369	80.40180	3189	8.29349	80.40250	3228	8.29294	80.40320
3112	8.29475	80.40130	3151	8.29368	80.40180	3190	8.29348	80.40250	3229	8.29292	80.40320
3113	8.29473	80.40130	3152	8.29368	80.40180	3191	8.29346	80.40250	3230	8.29289	80.40320
3114	8.29472	80.40130	3153	8.29367	80.40180	3192	8.29345	80.40260	3231	8.29287	80.40320
3115	8.29471	80.40130	3154	8.29367	80.40190	3193	8.29344	80.40260	3232	8.29285	80.40330
3116	8.29469	80.40130	3155	8.29366	80.40190	3194	8.29342	80.40260	3233	8.29283	80.40330
3117	8.29466	80.40130	3156	8.29365	80.40190	3195	8.29341	80.40260	3234	8.29282	80.40330

3235	8.29281	80.40330	3274	8.29226	80.40350	3313	8.29176	80.40360	3352	8.29190	80.40410
3236	8.29280	80.40330	3275	8.29226	80.40350	3314	8.29175	80.40360	3353	8.29191	80.40410
3237	8.29278	80.40330	3276	8.29224	80.40350	3315	8.29173	80.40370	3354	8.29191	80.40420
3238	8.29277	80.40330	3277	8.29223	80.40350	3316	8.29172	80.40370	3355	8.29191	80.40420
3239	8.29275	80.40330	3278	8.29221	80.40350	3317	8.29172	80.40370	3356	8.29192	80.40420
3240	8.29272	80.40330	3279	8.29220	80.40350	3318	8.29173	80.40370	3357	8.29192	80.40420
3241	8.29269	80.40340	3280	8.29218	80.40350	3319	8.29173	80.40370	3358	8.29192	80.40420
3242	8.29267	80.40340	3281	8.29218	80.40350	3320	8.29174	80.40370	3359	8.29192	80.40420
3243	8.29267	80.40340	3282	8.29217	80.40350	3321	8.29174	80.40370	3360	8.29193	80.40420
3244	8.29265	80.40340	3283	8.29217	80.40350	3322	8.29175	80.40370	3361	8.29193	80.40430
3245	8.29261	80.40340	3284	8.29215	80.40350	3323	8.29175	80.40370	3362	8.29194	80.40430
3246	8.29259	80.40340	3285	8.29215	80.40350	3324	8.29175	80.40370	3363	8.29194	80.40430
3247	8.29258	80.40340	3286	8.29212	80.40350	3325	8.29175	80.40370	3364	8.29194	80.40430
3248	8.29256	80.40340	3287	8.29209	80.40350	3326	8.29175	80.40370	3365	8.29194	80.40430
3249	8.29255	80.40340	3288	8.29207	80.40350	3327	8.29176	80.40370	3366	8.29194	80.40440
3250	8.29254	80.40340	3289	8.29206	80.40350	3328	8.29177	80.40380	3367	8.29194	80.40440
3251	8.29252	80.40340	3290	8.29205	80.40350	3329	8.29178	80.40380	3368	8.29194	80.40440
3252	8.29250	80.40340	3291	8.29204	80.40350	3330	8.29179	80.40380	3369	8.29195	80.40440
3253	8.29249	80.40340	3292	8.29202	80.40360	3331	8.29179	80.40380	3370	8.29195	80.40440
3254	8.29248	80.40340	3293	8.29200	80.40360	3332	8.29180	80.40380	3371	8.29195	80.40440
3255	8.29248	80.40340	3294	8.29199	80.40360	3333	8.29180	80.40380	3372	8.29195	80.40440
3256	8.29247	80.40340	3295	8.29198	80.40360	3334	8.29180	80.40380	3373	8.29195	80.40440
3257	8.29246	80.40340	3296	8.29198	80.40360	3335	8.29180	80.40380	3374	8.29195	80.40440
3258	8.29243	80.40350	3297	8.29197	80.40360	3336	8.29181	80.40380	3375	8.29195	80.40450
3259	8.29241	80.40350	3298	8.29197	80.40360	3337	8.29181	80.40390	3376	8.29195	80.40450
3260	8.29238	80.40350	3299	8.29197	80.40360	3338	8.29182	80.40390	3377	8.29195	80.40450
3261	8.29238	80.40350	3300	8.29196	80.40360	3339	8.29183	80.40390	3378	8.29195	80.40460
3262	8.29238	80.40350	3301	8.29195	80.40360	3340	8.29184	80.40390	3379	8.29195	80.40460
3263	8.29237	80.40350	3302	8.29194	80.40360	3341	8.29185	80.40390	3380	8.29195	80.40460
3264	8.29236	80.40350	3303	8.29192	80.40360	3342	8.29186	80.40400	3381	8.29195	80.40460
3265	8.29235	80.40350	3304	8.29191	80.40360	3343	8.29186	80.40400	3382	8.29196	80.40460
3266	8.29234	80.40350	3305	8.29190	80.40360	3344	8.29187	80.40400	3383	8.29196	80.40460
3267	8.29233	80.40350	3306	8.29189	80.40360	3345	8.29187	80.40400	3384	8.29197	80.40470
3268	8.29233	80.40350	3307	8.29187	80.40360	3346	8.29188	80.40400	3385	8.29197	80.40470
3269	8.29232	80.40350	3308	8.29185	80.40360	3347	8.29188	80.40400	3386	8.29197	80.40470
3270	8.29230	80.40350	3309	8.29183	80.40360	3348	8.29189	80.40410	3387	8.29198	80.40470
3271	8.29228	80.40350	3310	8.29181	80.40360	3349	8.29189	80.40410	3388	8.29198	80.40470
3272	8.29228	80.40350	3311	8.29179	80.40360	3350	8.29189	80.40410	3389	8.29198	80.40470
3273	8.29227	80.40350	3312	8.29177	80.40360	3351	8.29190	80.40410	3390	8.29198	80.40470

3391	8.29199	80.40480	3430	8.29203	80.40530	3469	8.29218	80.40590	3508	8.29215	80.40660
3392	8.29199	80.40480	3431	8.29203	80.40530	3470	8.29218	80.40600	3509	8.29214	80.40660
3393	8.29200	80.40480	3432	8.29203	80.40530	3471	8.29218	80.40600	3510	8.29214	80.40660
3394	8.29200	80.40480	3433	8.29203	80.40530	3472	8.29219	80.40600	3511	8.29213	80.40660
3395	8.29200	80.40490	3434	8.29203	80.40530	3473	8.29219	80.40600	3512	8.29213	80.40670
3396	8.29201	80.40490	3435	8.29204	80.40530	3474	8.29219	80.40600	3513	8.29212	80.40670
3397	8.29201	80.40490	3436	8.29204	80.40540	3475	8.29219	80.40600	3514	8.29212	80.40670
3398	8.29201	80.40490	3437	8.29204	80.40540	3476	8.29219	80.40600	3515	8.29212	80.40670
3399	8.29201	80.40490	3438	8.29204	80.40540	3477	8.29219	80.40600	3516	8.29211	80.40670
3400	8.29201	80.40500	3439	8.29205	80.40540	3478	8.29219	80.40610	3517	8.29211	80.40670
3401	8.29201	80.40500	3440	8.29205	80.40540	3479	8.29219	80.40610	3518	8.29210	80.40670
3402	8.29201	80.40500	3441	8.29205	80.40550	3480	8.29219	80.40610	3519	8.29209	80.40680
3403	8.29201	80.40500	3442	8.29205	80.40550	3481	8.29219	80.40610	3520	8.29208	80.40680
3404	8.29201	80.40500	3443	8.29205	80.40550	3482	8.29220	80.40610	3521	8.29208	80.40680
3405	8.29201	80.40500	3444	8.29206	80.40550	3483	8.29220	80.40610	3522	8.29208	80.40680
3406	8.29201	80.40500	3445	8.29206	80.40550	3484	8.29220	80.40620	3523	8.29207	80.40680
3407	8.29202	80.40510	3446	8.29206	80.40550	3485	8.29220	80.40620	3524	8.29207	80.40690
3408	8.29202	80.40510	3447	8.29206	80.40550	3486	8.29220	80.40620	3525	8.29206	80.40690
3409	8.29202	80.40510	3448	8.29207	80.40550	3487	8.29220	80.40620	3526	8.29206	80.40690
3410	8.29202	80.40510	3449	8.29208	80.40550	3488	8.29220	80.40620	3527	8.29206	80.40690
3411	8.29202	80.40510	3450	8.29209	80.40560	3489	8.29220	80.40620	3528	8.29206	80.40690
3412	8.29202	80.40510	3451	8.29210	80.40560	3490	8.29219	80.40630	3529	8.29206	80.40700
3413	8.29202	80.40510	3452	8.29211	80.40560	3491	8.29219	80.40630	3530	8.29205	80.40700
3414	8.29202	80.40510	3453	8.29211	80.40560	3492	8.29219	80.40630	3531	8.29205	80.40700
3415	8.29202	80.40510	3454	8.29212	80.40570	3493	8.29219	80.40630	3532	8.29204	80.40700
3416	8.29202	80.40510	3455	8.29212	80.40570	3494	8.29219	80.40630	3533	8.29203	80.40700
3417	8.29202	80.40520	3456	8.29213	80.40570	3495	8.29219	80.40630	3534	8.29202	80.40710
3418	8.29202	80.40520	3457	8.29213	80.40570	3496	8.29219	80.40640	3535	8.29201	80.40710
3419	8.29202	80.40520	3458	8.29213	80.40570	3497	8.29218	80.40640	3536	8.29201	80.40710
3420	8.29202	80.40520	3459	8.29214	80.40570	3498	8.29218	80.40640	3537	8.29200	80.40720
3421	8.29202	80.40520	3460	8.29215	80.40570	3499	8.29218	80.40640	3538	8.29198	80.40720
3422	8.29202	80.40520	3461	8.29215	80.40580	3500	8.29218	80.40640	3539	8.29197	80.40720
3423	8.29202	80.40520	3462	8.29216	80.40580	3501	8.29217	80.40650	3540	8.29197	80.40720
3424	8.29202	80.40520	3463	8.29216	80.40580	3502	8.29217	80.40650	3541	8.29196	80.40720
3425	8.29202	80.40530	3464	8.29216	80.40580	3503	8.29217	80.40650	3542	8.29195	80.40730
3426	8.29202	80.40530	3465	8.29217	80.40590	3504	8.29217	80.40650	3543	8.29194	80.40730
3427	8.29202	80.40530	3466	8.29218	80.40590	3505	8.29217	80.40650	3544	8.29193	80.40730
3428	8.29202	80.40530	3467	8.29218	80.40590	3506	8.29216	80.40650	3545	8.29191	80.40740
3429	8.29202	80.40530	3468	8.29218	80.40590	3507	8.29215	80.40660	3546	8.29189	80.40740

3547	8.29188	80.40740	3586	8.29145	80.40790	3625	8.29077	80.40840	3664	8.29056	80.40900
3548	8.29187	80.40740	3587	8.29144	80.40790	3626	8.29077	80.40840	3665	8.29055	80.40910
3549	8.29185	80.40750	3588	8.29142	80.40800	3627	8.29077	80.40840	3666	8.29054	80.40910
3550	8.29184	80.40750	3589	8.29140	80.40800	3628	8.29077	80.40840	3667	8.29053	80.40910
3551	8.29183	80.40750	3590	8.29137	80.40800	3629	8.29076	80.40840	3668	8.29053	80.40910
3552	8.29183	80.40750	3591	8.29135	80.40800	3630	8.29076	80.40840	3669	8.29052	80.40910
3553	8.29182	80.40750	3592	8.29132	80.40800	3631	8.29076	80.40840	3670	8.29051	80.40910
3554	8.29182	80.40750	3593	8.29130	80.40810	3632	8.29076	80.40840	3671	8.29050	80.40910
3555	8.29181	80.40750	3594	8.29129	80.40810	3633	8.29076	80.40840	3672	8.29050	80.40920
3556	8.29180	80.40750	3595	8.29127	80.40810	3634	8.29076	80.40840	3673	8.29049	80.40920
3557	8.29179	80.40760	3596	8.29125	80.40810	3635	8.29076	80.40840	3674	8.29047	80.40920
3558	8.29178	80.40760	3597	8.29124	80.40810	3636	8.29076	80.40840	3675	8.29046	80.40920
3559	8.29178	80.40760	3598	8.29122	80.40810	3637	8.29076	80.40850	3676	8.29044	80.40930
3560	8.29177	80.40760	3599	8.29121	80.40810	3638	8.29076	80.40850	3677	8.29043	80.40930
3561	8.29176	80.40760	3600	8.29120	80.40810	3639	8.29075	80.40850	3678	8.29043	80.40930
3562	8.29174	80.40760	3601	8.29119	80.40810	3640	8.29075	80.40850	3679	8.29042	80.40930
3563	8.29172	80.40760	3602	8.29116	80.40820	3641	8.29075	80.40850	3680	8.29042	80.40930
3564	8.29170	80.40770	3603	8.29113	80.40820	3642	8.29074	80.40850	3681	8.29040	80.40930
3565	8.29169	80.40770	3604	8.29111	80.40820	3643	8.29074	80.40850	3682	8.29039	80.40930
3566	8.29168	80.40770	3605	8.29108	80.40820	3644	8.29073	80.40860	3683	8.29038	80.40930
3567	8.29167	80.40770	3606	8.29105	80.40820	3645	8.29073	80.40860	3684	8.29037	80.40940
3568	8.29166	80.40770	3607	8.29103	80.40820	3646	8.29072	80.40860	3685	8.29035	80.40940
3569	8.29165	80.40770	3608	8.29100	80.40820	3647	8.29072	80.40860	3686	8.29034	80.40940
3570	8.29163	80.40770	3609	8.29100	80.40820	3648	8.29072	80.40860	3687	8.29033	80.40940
3571	8.29162	80.40780	3610	8.29100	80.40820	3649	8.29070	80.40870	3688	8.29032	80.40940
3572	8.29160	80.40780	3611	8.29099	80.40830	3650	8.29070	80.40870	3689	8.29031	80.40940
3573	8.29158	80.40780	3612	8.29098	80.40830	3651	8.29069	80.40870	3690	8.29030	80.40940
3574	8.29155	80.40780	3613	8.29096	80.40830	3652	8.29068	80.40870	3691	8.29028	80.40950
3575	8.29154	80.40780	3614	8.29094	80.40830	3653	8.29068	80.40870	3692	8.29026	80.40950
3576	8.29153	80.40780	3615	8.29092	80.40830	3654	8.29068	80.40880	3693	8.29026	80.40950
3577	8.29153	80.40780	3616	8.29090	80.40830	3655	8.29067	80.40880	3694	8.29025	80.40950
3578	8.29153	80.40780	3617	8.29089	80.40830	3656	8.29065	80.40880	3695	8.29024	80.40950
3579	8.29152	80.40780	3618	8.29088	80.40830	3657	8.29065	80.40880	3696	8.29022	80.40950
3580	8.29151	80.40790	3619	8.29088	80.40830	3658	8.29064	80.40890	3697	8.29021	80.40950
3581	8.29150	80.40790	3620	8.29085	80.40830	3659	8.29063	80.40890	3698	8.29019	80.40960
3582	8.29149	80.40790	3621	8.29083	80.40830	3660	8.29063	80.40890	3699	8.29018	80.40960
3583	8.29148	80.40790	3622	8.29081	80.40830	3661	8.29062	80.40890	3700	8.29017	80.40960
3584	8.29146	80.40790	3623	8.29079	80.40830	3662	8.29062	80.40890	3701	8.29014	80.40960
3585	8.29146	80.40790	3624	8.29078	80.40830	3663	8.29057	80.40900	3702	8.29013	80.40960

3703	8.29012	80.40960	3742	8.28959	80.41000	3781	8.28952	80.41040	3820	8.28951	80.41080
3704	8.29011	80.40960	3743	8.28957	80.41000	3782	8.28952	80.41040	3821	8.28951	80.41080
3705	8.29011	80.40960	3744	8.28957	80.41000	3783	8.28952	80.41040	3822	8.28951	80.41090
3706	8.29010	80.40960	3745	8.28955	80.41000	3784	8.28952	80.41040	3823	8.28951	80.41090
3707	8.29008	80.40970	3746	8.28955	80.41000	3785	8.28951	80.41040	3824	8.28951	80.41090
3708	8.29005	80.40970	3747	8.28954	80.41000	3786	8.28951	80.41040	3825	8.28951	80.41090
3709	8.29003	80.40970	3748	8.28954	80.41000	3787	8.28951	80.41050	3826	8.28951	80.41090
3710	8.29003	80.40970	3749	8.28954	80.41000	3788	8.28951	80.41050	3827	8.28951	80.41090
3711	8.29002	80.40970	3750	8.28954	80.41000	3789	8.28951	80.41050	3828	8.28951	80.41100
3712	8.29002	80.40970	3751	8.28954	80.41000	3790	8.28951	80.41050	3829	8.28950	80.41100
3713	8.29000	80.40970	3752	8.28954	80.41000	3791	8.28951	80.41050	3830	8.28950	80.41100
3714	8.28998	80.40970	3753	8.28954	80.41000	3792	8.28951	80.41050	3831	8.28950	80.41100
3715	8.28995	80.40980	3754	8.28954	80.41010	3793	8.28951	80.41050	3832	8.28950	80.41100
3716	8.28993	80.40980	3755	8.28954	80.41010	3794	8.28951	80.41050	3833	8.28950	80.41100
3717	8.28991	80.40980	3756	8.28953	80.41010	3795	8.28951	80.41060	3834	8.28950	80.41100
3718	8.28989	80.40980	3757	8.28953	80.41010	3796	8.28951	80.41060	3835	8.28949	80.41100
3719	8.28987	80.40980	3758	8.28953	80.41010	3797	8.28951	80.41060	3836	8.28949	80.41110
3720	8.28982	80.40980	3759	8.28953	80.41010	3798	8.28951	80.41060	3837	8.28949	80.41110
3721	8.28982	80.40990	3760	8.28953	80.41010	3799	8.28951	80.41060	3838	8.28948	80.41110
3722	8.28981	80.40990	3761	8.28953	80.41010	3800	8.28951	80.41060	3839	8.28948	80.41110
3723	8.28980	80.40990	3762	8.28952	80.41020	3801	8.28951	80.41060	3840	8.28948	80.41110
3724	8.28978	80.40990	3763	8.28952	80.41020	3802	8.28951	80.41060	3841	8.28948	80.41110
3725	8.28975	80.40990	3764	8.28952	80.41020	3803	8.28951	80.41060	3842	8.28948	80.41110
3726	8.28972	80.40990	3765	8.28952	80.41020	3804	8.28951	80.41060	3843	8.28947	80.41110
3727	8.28972	80.40990	3766	8.28952	80.41020	3805	8.28952	80.41060	3844	8.28946	80.41120
3728	8.28965	80.40990	3767	8.28952	80.41020	3806	8.28952	80.41060	3845	8.28946	80.41120
3729	8.28965	80.40990	3768	8.28952	80.41020	3807	8.28952	80.41070	3846	8.28946	80.41120
3730	8.28964	80.40990	3769	8.28952	80.41020	3808	8.28952	80.41070	3847	8.28945	80.41120
3731	8.28964	80.40990	3770	8.28952	80.41020	3809	8.28952	80.41070	3848	8.28945	80.41120
3732	8.28964	80.40990	3771	8.28952	80.41020	3810	8.28952	80.41070	3849	8.28944	80.41130
3733	8.28964	80.40990	3772	8.28952	80.41030	3811	8.28952	80.41070	3850	8.28944	80.41130
3734	8.28963	80.40990	3773	8.28952	80.41030	3812	8.28952	80.41070	3851	8.28943	80.41130
3735	8.28963	80.41000	3774	8.28952	80.41030	3813	8.28952	80.41070	3852	8.28942	80.41130
3736	8.28962	80.41000	3775	8.28952	80.41030	3814	8.28952	80.41070	3853	8.28942	80.41130
3737	8.28961	80.41000	3776	8.28952	80.41030	3815	8.28952	80.41070	3854	8.28940	80.41140
3738	8.28961	80.41000	3777	8.28952	80.41030	3816	8.28952	80.41070	3855	8.28940	80.41140
3739	8.28960	80.41000	3778	8.28952	80.41030	3817	8.28952	80.41070	3856	8.28939	80.41140
3740	8.28960	80.41000	3779	8.28952	80.41040	3818	8.28952	80.41080	3857	8.28939	80.41140
3741	8.28960	80.41000	3780	8.28952	80.41040	3819	8.28952	80.41080	3858	8.28939	80.41140

3859	8.28938	80.41140	3898	8.28897	80.41200	3937	8.28837	80.41240	3976	8.28794	80.41260
3860	8.28938	80.41140	3899	8.28896	80.41200	3938	8.28836	80.41240	3977	8.28794	80.41260
3861	8.28937	80.41150	3900	8.28896	80.41200	3939	8.28835	80.41240	3978	8.28793	80.41260
3862	8.28936	80.41150	3901	8.28894	80.41200	3940	8.28833	80.41240	3979	8.28793	80.41260
3863	8.28936	80.41150	3902	8.28893	80.41200	3941	8.28832	80.41240	3980	8.28792	80.41260
3864	8.28935	80.41150	3903	8.28891	80.41210	3942	8.28831	80.41240	3981	8.28791	80.41260
3865	8.28934	80.41150	3904	8.28888	80.41210	3943	8.28831	80.41240	3982	8.28791	80.41260
3866	8.28934	80.41150	3905	8.28886	80.41210	3944	8.28830	80.41240	3983	8.28789	80.41260
3867	8.28932	80.41160	3906	8.28884	80.41210	3945	8.28829	80.41240	3984	8.28786	80.41260
3868	8.28931	80.41160	3907	8.28881	80.41210	3946	8.28828	80.41240	3985	8.28784	80.41260
3869	8.28929	80.41160	3908	8.28878	80.41220	3947	8.28826	80.41240	3986	8.28782	80.41270
3870	8.28928	80.41160	3909	8.28878	80.41220	3948	8.28825	80.41240	3987	8.28778	80.41270
3871	8.28927	80.41170	3910	8.28878	80.41220	3949	8.28824	80.41240	3988	8.28776	80.41270
3872	8.28926	80.41170	3911	8.28877	80.41220	3950	8.28824	80.41240	3989	8.28773	80.41270
3873	8.28925	80.41170	3912	8.28876	80.41220	3951	8.28823	80.41240	3990	8.28769	80.41270
3874	8.28925	80.41170	3913	8.28874	80.41220	3952	8.28822	80.41240	3991	8.28766	80.41270
3875	8.28924	80.41170	3914	8.28871	80.41220	3953	8.28821	80.41250	3992	8.28764	80.41270
3876	8.28923	80.41170	3915	8.28869	80.41220	3954	8.28819	80.41250	3993	8.28763	80.41270
3877	8.28922	80.41170	3916	8.28867	80.41220	3955	8.28818	80.41250	3994	8.28763	80.41270
3878	8.28920	80.41180	3917	8.28865	80.41220	3956	8.28816	80.41250	3995	8.28762	80.41270
3879	8.28918	80.41180	3918	8.28864	80.41230	3957	8.28816	80.41250	3996	8.28761	80.41270
3880	8.28918	80.41180	3919	8.28861	80.41230	3958	8.28815	80.41250	3997	8.28761	80.41270
3881	8.28917	80.41180	3920	8.28859	80.41230	3959	8.28814	80.41250	3998	8.28760	80.41270
3882	8.28917	80.41180	3921	8.28857	80.41230	3960	8.28812	80.41250	3999	8.28759	80.41270
3883	8.28916	80.41180	3922	8.28856	80.41230	3961	8.28810	80.41250	4000	8.28759	80.41270
3884	8.28914	80.41180	3923	8.28854	80.41230	3962	8.28808	80.41250	4001	8.28758	80.41270
3885	8.28912	80.41190	3924	8.28854	80.41230	3963	8.28808	80.41250	4002	8.28757	80.41270
3886	8.28911	80.41190	3925	8.28853	80.41230	3964	8.28807	80.41250	4003	8.28756	80.41270
3887	8.28910	80.41190	3926	8.28852	80.41230	3965	8.28806	80.41250	4004	8.28756	80.41280
3888	8.28909	80.41190	3927	8.28850	80.41230	3966	8.28804	80.41250	4005	8.28755	80.41280
3889	8.28908	80.41190	3928	8.28848	80.41230	3967	8.28803	80.41260	4006	8.28754	80.41280
3890	8.28906	80.41190	3929	8.28848	80.41230	3968	8.28802	80.41260	4007	8.28754	80.41280
3891	8.28905	80.41190	3930	8.28847	80.41230	3969	8.28800	80.41260	4008	8.28753	80.41280
3892	8.28903	80.41200	3931	8.28847	80.41230	3970	8.28798	80.41260	4009	8.28753	80.41280
3893	8.28902	80.41200	3932	8.28843	80.41240	3971	8.28797	80.41260	4010	8.28752	80.41280
3894	8.28901	80.41200	3933	8.28842	80.41240	3972	8.28796	80.41260	4011	8.28752	80.41280
3895	8.28900	80.41200	3934	8.28842	80.41240	3973	8.28796	80.41260	4012	8.28751	80.41290
3896	8.28898	80.41200	3935	8.28840	80.41240	3974	8.28795	80.41260	4013	8.28750	80.41290
3897	8.28898	80.41200	3936	8.28839	80.41240	3975	8.28795	80.41260	4014	8.28750	80.41290

4015	8.28750	80.41290	4054	8.28718	80.41330	4093	8.28690	80.41380	4132	8.28697	80.41440
4016	8.28750	80.41290	4055	8.28718	80.41330	4094	8.28689	80.41390	4133	8.28698	80.41440
4017	8.28749	80.41290	4056	8.28718	80.41330	4095	8.28688	80.41390	4134	8.28700	80.41440
4018	8.28748	80.41290	4057	8.28718	80.41330	4096	8.28687	80.41390	4135	8.28701	80.41450
4019	8.28748	80.41290	4058	8.28716	80.41340	4097	8.28687	80.41390	4136	8.28703	80.41450
4020	8.28747	80.41290	4059	8.28713	80.41340	4098	8.28686	80.41390	4137	8.28704	80.41450
4021	8.28747	80.41290	4060	8.28711	80.41340	4099	8.28686	80.41400	4138	8.28706	80.41460
4022	8.28746	80.41290	4061	8.28711	80.41340	4100	8.28686	80.41400	4139	8.28707	80.41460
4023	8.28745	80.41300	4062	8.28710	80.41340	4101	8.28685	80.41400	4140	8.28708	80.41460
4024	8.28744	80.41300	4063	8.28708	80.41340	4102	8.28685	80.41400	4141	8.28710	80.41460
4025	8.28743	80.41300	4064	8.28705	80.41350	4103	8.28684	80.41400	4142	8.28710	80.41460
4026	8.28742	80.41300	4065	8.28703	80.41350	4104	8.28684	80.41400	4143	8.28710	80.41460
4027	8.28742	80.41300	4066	8.28703	80.41350	4105	8.28683	80.41400	4144	8.28710	80.41460
4028	8.28741	80.41300	4067	8.28702	80.41350	4106	8.28683	80.41400	4145	8.28710	80.41470
4029	8.28741	80.41300	4068	8.28701	80.41350	4107	8.28682	80.41410	4146	8.28711	80.41470
4030	8.28741	80.41300	4069	8.28700	80.41350	4108	8.28682	80.41410	4147	8.28711	80.41470
4031	8.28740	80.41300	4070	8.28699	80.41350	4109	8.28682	80.41410	4148	8.28711	80.41470
4032	8.28739	80.41310	4071	8.28698	80.41350	4110	8.28681	80.41410	4149	8.28712	80.41470
4033	8.28738	80.41310	4072	8.28698	80.41350	4111	8.28681	80.41410	4150	8.28714	80.41470
4034	8.28737	80.41310	4073	8.28696	80.41350	4112	8.28680	80.41410	4151	8.28714	80.41470
4035	8.28737	80.41310	4074	8.28696	80.41360	4113	8.28679	80.41410	4152	8.28715	80.41470
4036	8.28736	80.41310	4075	8.28695	80.41360	4114	8.28679	80.41410	4153	8.28716	80.41470
4037	8.28736	80.41310	4076	8.28695	80.41360	4115	8.28679	80.41410	4154	8.28718	80.41470
4038	8.28735	80.41310	4077	8.28695	80.41360	4116	8.28678	80.41420	4155	8.28718	80.41470
4039	8.28734	80.41310	4078	8.28695	80.41360	4117	8.28678	80.41420	4156	8.28719	80.41470
4040	8.28733	80.41310	4079	8.28695	80.41360	4118	8.28679	80.41420	4157	8.28720	80.41470
4041	8.28732	80.41320	4080	8.28694	80.41360	4119	8.28680	80.41420	4158	8.28721	80.41480
4042	8.28731	80.41320	4081	8.28694	80.41360	4120	8.28681	80.41420	4159	8.28723	80.41480
4043	8.28730	80.41320	4082	8.28694	80.41360	4121	8.28682	80.41420	4160	8.28725	80.41480
4044	8.28729	80.41320	4083	8.28693	80.41370	4122	8.28684	80.41420	4161	8.28726	80.41480
4045	8.28727	80.41320	4084	8.28693	80.41370	4123	8.28685	80.41420	4162	8.28727	80.41480
4046	8.28727	80.41320	4085	8.28693	80.41370	4124	8.28688	80.41430	4163	8.28728	80.41480
4047	8.28726	80.41320	4086	8.28693	80.41370	4125	8.28690	80.41430	4164	8.28728	80.41480
4048	8.28726	80.41320	4087	8.28692	80.41370	4126	8.28691	80.41430	4165	8.28729	80.41480
4049	8.28726	80.41320	4088	8.28692	80.41370	4127	8.28693	80.41430	4166	8.28729	80.41480
4050	8.28725	80.41330	4089	8.28691	80.41380	4128	8.28695	80.41440	4167	8.28729	80.41480
4051	8.28723	80.41330	4090	8.28691	80.41380	4129	8.28695	80.41440	4168	8.28731	80.41480
4052	8.28721	80.41330	4091	8.28690	80.41380	4130	8.28695	80.41440	4169	8.28732	80.41480
4053	8.28720	80.41330	4092	8.28690	80.41380	4131	8.28696	80.41440	4170	8.28733	80.41490

4171	8.28734	80.41490	4210	8.28773	80.41540	4249	8.28792	80.41610	4288	8.28785	80.41690
4172	8.28735	80.41490	4211	8.28773	80.41540	4250	8.28792	80.41610	4289	8.28785	80.41690
4173	8.28736	80.41490	4212	8.28774	80.41540	4251	8.28792	80.41610	4290	8.28784	80.41690
4174	8.28737	80.41490	4213	8.28775	80.41540	4252	8.28792	80.41610	4291	8.28784	80.41690
4175	8.28738	80.41490	4214	8.28775	80.41540	4253	8.28793	80.41620	4292	8.28783	80.41690
4176	8.28739	80.41490	4215	8.28776	80.41550	4254	8.28793	80.41620	4293	8.28782	80.41700
4177	8.28740	80.41490	4216	8.28777	80.41550	4255	8.28793	80.41620	4294	8.28782	80.41700
4178	8.28741	80.41490	4217	8.28778	80.41550	4256	8.28793	80.41620	4295	8.28780	80.41700
4179	8.28741	80.41490	4218	8.28779	80.41550	4257	8.28793	80.41620	4296	8.28779	80.41700
4180	8.28741	80.41490	4219	8.28780	80.41560	4258	8.28793	80.41620	4297	8.28778	80.41710
4181	8.28742	80.41490	4220	8.28781	80.41560	4259	8.28793	80.41630	4298	8.28776	80.41710
4182	8.28743	80.41500	4221	8.28782	80.41560	4260	8.28793	80.41630	4299	8.28775	80.41710
4183	8.28744	80.41500	4222	8.28782	80.41560	4261	8.28793	80.41630	4300	8.28773	80.41720
4184	8.28747	80.41500	4223	8.28783	80.41570	4262	8.28793	80.41630	4301	8.28772	80.41720
4185	8.28748	80.41500	4224	8.28784	80.41570	4263	8.28793	80.41630	4302	8.28770	80.41720
4186	8.28750	80.41500	4225	8.28784	80.41570	4264	8.28793	80.41630	4303	8.28768	80.41720
4187	8.28752	80.41510	4226	8.28784	80.41570	4265	8.28793	80.41640	4304	8.28767	80.41720
4188	8.28754	80.41510	4227	8.28786	80.41570	4266	8.28793	80.41640	4305	8.28766	80.41730
4189	8.28755	80.41510	4228	8.28786	80.41580	4267	8.28793	80.41640	4306	8.28765	80.41730
4190	8.28755	80.41510	4229	8.28787	80.41580	4268	8.28793	80.41640	4307	8.28765	80.41730
4191	8.28755	80.41510	4230	8.28788	80.41580	4269	8.28793	80.41640	4308	8.28764	80.41730
4192	8.28756	80.41510	4231	8.28788	80.41580	4270	8.28793	80.41640	4309	8.28763	80.41730
4193	8.28757	80.41510	4232	8.28788	80.41580	4271	8.28793	80.41650	4310	8.28762	80.41730
4194	8.28759	80.41520	4233	8.28788	80.41590	4272	8.28793	80.41650	4311	8.28760	80.41730
4195	8.28761	80.41520	4234	8.28789	80.41590	4273	8.28793	80.41650	4312	8.28758	80.41740
4196	8.28763	80.41520	4235	8.28789	80.41590	4274	8.28792	80.41650	4313	8.28756	80.41740
4197	8.28765	80.41520	4236	8.28790	80.41590	4275	8.28792	80.41660	4314	8.28754	80.41740
4198	8.28766	80.41530	4237	8.28790	80.41590	4276	8.28792	80.41660	4315	8.28751	80.41740
4199	8.28767	80.41530	4238	8.28790	80.41600	4277	8.28792	80.41660	4316	8.28749	80.41750
4200	8.28767	80.41530	4239	8.28790	80.41600	4278	8.28792	80.41660	4317	8.28749	80.41750
4201	8.28768	80.41530	4240	8.28791	80.41600	4279	8.28791	80.41660	4318	8.28747	80.41750
4202	8.28769	80.41530	4241	8.28791	80.41600	4280	8.28791	80.41670	4319	8.28746	80.41750
4203	8.28769	80.41530	4242	8.28791	80.41600	4281	8.28790	80.41670	4320	8.28745	80.41750
4204	8.28769	80.41530	4243	8.28791	80.41600	4282	8.28790	80.41670	4321	8.28744	80.41750
4205	8.28770	80.41530	4244	8.28791	80.41600	4283	8.28789	80.41680	4322	8.28741	80.41750
4206	8.28771	80.41540	4245	8.28792	80.41610	4284	8.28788	80.41680	4323	8.28734	80.41760
4207	8.28771	80.41540	4246	8.28792	80.41610	4285	8.28787	80.41680	4324	8.28733	80.41760
4208	8.28772	80.41540	4247	8.28792	80.41610	4286	8.28786	80.41680	4325	8.28731	80.41760
4209	8.28772	80.41540	4248	8.28792	80.41610	4287	8.28785	80.41690	4326	8.28729	80.41770

4327	8.28727	80.41770	4366	8.28660	80.41840	4405	8.28553	80.41870	4444	8.28431	80.41910
4328	8.28724	80.41770	4367	8.28658	80.41840	4406	8.28550	80.41870	4445	8.28428	80.41900
4329	8.28722	80.41770	4368	8.28656	80.41840	4407	8.28547	80.41870	4446	8.28425	80.41900
4330	8.28720	80.41780	4369	8.28653	80.41840	4408	8.28546	80.41870	4447	8.28422	80.41900
4331	8.28718	80.41780	4370	8.28651	80.41840	4409	8.28544	80.41880	4448	8.28419	80.41900
4332	8.28715	80.41780	4371	8.28650	80.41840	4410	8.28542	80.41880	4449	8.28419	80.41900
4333	8.28713	80.41780	4372	8.28648	80.41850	4411	8.28539	80.41880	4450	8.28416	80.41900
4334	8.28710	80.41790	4373	8.28645	80.41850	4412	8.28536	80.41880	4451	8.28413	80.41900
4335	8.28708	80.41790	4374	8.28645	80.41850	4413	8.28534	80.41880	4452	8.28410	80.41900
4336	8.28707	80.41790	4375	8.28643	80.41850	4414	8.28531	80.41880	4453	8.28407	80.41900
4337	8.28706	80.41790	4376	8.28640	80.41850	4415	8.28528	80.41890	4454	8.28403	80.41900
4338	8.28706	80.41790	4377	8.28637	80.41850	4416	8.28526	80.41890	4455	8.28400	80.41900
4339	8.28703	80.41790	4378	8.28635	80.41850	4417	8.28523	80.41890	4456	8.28399	80.41900
4340	8.28703	80.41790	4379	8.28632	80.41860	4418	8.28520	80.41890	4457	8.28397	80.41900
4341	8.28702	80.41790	4380	8.28629	80.41860	4419	8.28517	80.41890	4458	8.28395	80.41900
4342	8.28702	80.41790	4381	8.28626	80.41860	4420	8.28514	80.41890	4459	8.28375	80.41900
4343	8.28697	80.41800	4382	8.28624	80.41860	4421	8.28511	80.41890	4460	8.28374	80.41900
4344	8.28695	80.41800	4383	8.28620	80.41860	4422	8.28509	80.41900	4461	8.28372	80.41900
4345	8.28693	80.41800	4384	8.28618	80.41860	4423	8.28505	80.41900	4462	8.28371	80.41900
4346	8.28691	80.41810	4385	8.28615	80.41860	4424	8.28503	80.41900	4463	8.28368	80.41900
4347	8.28690	80.41810	4386	8.28612	80.41870	4425	8.28500	80.41900	4464	8.28365	80.41900
4348	8.28690	80.41810	4387	8.28609	80.41870	4426	8.28496	80.41900	4465	8.28317	80.41870
4349	8.28689	80.41810	4388	8.28606	80.41870	4427	8.28493	80.41900	4466	8.28292	80.41820
4350	8.28685	80.41810	4389	8.28603	80.41870	4428	8.28491	80.41900	4467	8.28296	80.41820
4351	8.28684	80.41810	4390	8.28600	80.41870	4429	8.28487	80.41900	4468	8.28299	80.41820
4352	8.28682	80.41820	4391	8.28597	80.41870	4430	8.28484	80.41900	4469	8.28303	80.41820
4353	8.28681	80.41820	4392	8.28594	80.41870	4431	8.28481	80.41900	4470	8.28304	80.41820
4354	8.28680	80.41820	4393	8.28591	80.41870	4432	8.28478	80.41900	4471	8.28318	80.41810
4355	8.28679	80.41820	4394	8.28588	80.41870	4433	8.28475	80.41900	4472	8.28318	80.41810
4356	8.28679	80.41820	4395	8.28584	80.41870	4434	8.28472	80.41900	4473	8.28334	80.41810
4357	8.28676	80.41820	4396	8.28581	80.41870	4435	8.28469	80.41910	4474	8.28336	80.41810
4358	8.28675	80.41820	4397	8.28578	80.41870	4436	8.28466	80.41910	4475	8.28339	80.41810
4359	8.28673	80.41830	4398	8.28575	80.41870	4437	8.28463	80.41910	4476	8.28343	80.41810
4360	8.28671	80.41830	4399	8.28572	80.41870	4438	8.28459	80.41910	4477	8.28346	80.41810
4361	8.28670	80.41830	4400	8.28569	80.41870	4439	8.28456	80.41910	4478	8.28349	80.41810
4362	8.28669	80.41830	4401	8.28565	80.41870	4440	8.28444	80.41910	4479	8.28353	80.41810
4363	8.28669	80.41830	4402	8.28562	80.41870	4441	8.28441	80.41910	4480	8.28356	80.41810
4364	8.28664	80.41830	4403	8.28559	80.41870	4442	8.28437	80.41910	4481	8.28358	80.41800
4365	8.28663	80.41830	4404	8.28556	80.41870	4443	8.28434	80.41910	4482	8.28361	80.41800

4483	8.28363	80.41800	4522	8.28505	80.41780	4561	8.28616	80.41750	4600	8.28701	80.41650
4484	8.28366	80.41810	4523	8.28506	80.41780	4562	8.28617	80.41750	4601	8.28701	80.41650
4485	8.28369	80.41810	4524	8.28509	80.41770	4563	8.28618	80.41750	4602	8.28702	80.41650
4486	8.28372	80.41810	4525	8.28509	80.41770	4564	8.28622	80.41750	4603	8.28702	80.41650
4487	8.28376	80.41810	4526	8.28510	80.41770	4565	8.28623	80.41750	4604	8.28702	80.41650
4488	8.28379	80.41810	4527	8.28510	80.41770	4566	8.28625	80.41740	4605	8.28702	80.41640
4489	8.28383	80.41810	4528	8.28511	80.41770	4567	8.28630	80.41740	4606	8.28703	80.41640
4490	8.28384	80.41810	4529	8.28514	80.41770	4568	8.28630	80.41740	4607	8.28703	80.41640
4491	8.28404	80.41810	4530	8.28514	80.41770	4569	8.28631	80.41740	4608	8.28703	80.41640
4492	8.28406	80.41810	4531	8.28516	80.41770	4570	8.28636	80.41730	4609	8.28703	80.41640
4493	8.28410	80.41810	4532	8.28519	80.41770	4571	8.28638	80.41730	4610	8.28703	80.41630
4494	8.28413	80.41810	4533	8.28521	80.41780	4572	8.28640	80.41720	4611	8.28703	80.41630
4495	8.28417	80.41810	4534	8.28524	80.41780	4573	8.28642	80.41720	4612	8.28703	80.41630
4496	8.28420	80.41810	4535	8.28527	80.41780	4574	8.28644	80.41720	4613	8.28703	80.41630
4497	8.28424	80.41810	4536	8.28531	80.41780	4575	8.28652	80.41720	4614	8.28703	80.41630
4498	8.28424	80.41810	4537	8.28534	80.41780	4576	8.28653	80.41720	4615	8.28703	80.41630
4499	8.28426	80.41810	4538	8.28537	80.41780	4577	8.28656	80.41710	4616	8.28703	80.41630
4500	8.28429	80.41810	4539	8.28555	80.41780	4578	8.28658	80.41710	4617	8.28703	80.41630
4501	8.28433	80.41810	4540	8.28555	80.41780	4579	8.28661	80.41710	4618	8.28703	80.41620
4502	8.28436	80.41810	4541	8.28559	80.41780	4580	8.28663	80.41700	4619	8.28703	80.41620
4503	8.28440	80.41810	4542	8.28562	80.41780	4581	8.28665	80.41700	4620	8.28702	80.41620
4504	8.28443	80.41820	4543	8.28566	80.41780	4582	8.28665	80.41700	4621	8.28702	80.41620
4505	8.28456	80.41820	4544	8.28569	80.41780	4583	8.28668	80.41700	4622	8.28702	80.41620
4506	8.28460	80.41810	4545	8.28573	80.41780	4584	8.28679	80.41690	4623	8.28702	80.41620
4507	8.28463	80.41810	4546	8.28576	80.41780	4585	8.28682	80.41690	4624	8.28702	80.41620
4508	8.28467	80.41810	4547	8.28580	80.41780	4586	8.28683	80.41680	4625	8.28701	80.41610
4509	8.28470	80.41810	4548	8.28583	80.41780	4587	8.28685	80.41680	4626	8.28701	80.41610
4510	8.28473	80.41810	4549	8.28586	80.41780	4588	8.28685	80.41680	4627	8.28701	80.41610
4511	8.28477	80.41810	4550	8.28589	80.41780	4589	8.28688	80.41680	4628	8.28701	80.41610
4512	8.28480	80.41810	4551	8.28592	80.41770	4590	8.28690	80.41680	4629	8.28700	80.41610
4513	8.28483	80.41810	4552	8.28595	80.41770	4591	8.28691	80.41680	4630	8.28700	80.41610
4514	8.28486	80.41810	4553	8.28598	80.41770	4592	8.28692	80.41670	4631	8.28700	80.41600
4515	8.28489	80.41800	4554	8.28601	80.41770	4593	8.28693	80.41670	4632	8.28699	80.41600
4516	8.28492	80.41800	4555	8.28603	80.41770	4594	8.28695	80.41670	4633	8.28698	80.41600
4517	8.28494	80.41800	4556	8.28603	80.41770	4595	8.28696	80.41670	4634	8.28697	80.41600
4518	8.28497	80.41800	4557	8.28605	80.41760	4596	8.28698	80.41660	4635	8.28697	80.41600
4519	8.28499	80.41790	4558	8.28610	80.41760	4597	8.28699	80.41660	4636	8.28697	80.41590
4520	8.28501	80.41790	4559	8.28611	80.41760	4598	8.28699	80.41660	4637	8.28697	80.41590
4521	8.28503	80.41790	4560	8.28613	80.41760	4599	8.28700	80.41660	4638	8.28695	80.41590

4639	8.28695	80.41590	4678	8.28660	80.41540	4717	8.28629	80.41510	4756	8.28580	80.41460
4640	8.28695	80.41590	4679	8.28658	80.41540	4718	8.28629	80.41510	4757	8.28580	80.41460
4641	8.28695	80.41590	4680	8.28658	80.41540	4719	8.28628	80.41500	4758	8.28580	80.41460
4642	8.28694	80.41590	4681	8.28656	80.41540	4720	8.28628	80.41500	4759	8.28578	80.41460
4643	8.28693	80.41580	4682	8.28656	80.41540	4721	8.28627	80.41500	4760	8.28577	80.41450
4644	8.28692	80.41580	4683	8.28654	80.41540	4722	8.28627	80.41500	4761	8.28577	80.41450
4645	8.28692	80.41580	4684	8.28652	80.41540	4723	8.28626	80.41500	4762	8.28577	80.41450
4646	8.28691	80.41580	4685	8.28651	80.41540	4724	8.28626	80.41500	4763	8.28576	80.41450
4647	8.28691	80.41580	4686	8.28649	80.41540	4725	8.28626	80.41500	4764	8.28575	80.41450
4648	8.28691	80.41580	4687	8.28649	80.41540	4726	8.28625	80.41500	4765	8.28574	80.41450
4649	8.28690	80.41570	4688	8.28648	80.41540	4727	8.28623	80.41490	4766	8.28574	80.41450
4650	8.28689	80.41570	4689	8.28647	80.41530	4728	8.28621	80.41490	4767	8.28574	80.41450
4651	8.28689	80.41570	4690	8.28647	80.41530	4729	8.28620	80.41490	4768	8.28576	80.41440
4652	8.28689	80.41570	4691	8.28645	80.41530	4730	8.28620	80.41490	4769	8.28576	80.41440
4653	8.28688	80.41570	4692	8.28644	80.41530	4731	8.28618	80.41480	4770	8.28576	80.41440
4654	8.28686	80.41570	4693	8.28643	80.41530	4732	8.28616	80.41480	4771	8.28576	80.41440
4655	8.28684	80.41570	4694	8.28643	80.41530	4733	8.28614	80.41480	4772	8.28577	80.41430
4656	8.28684	80.41570	4695	8.28641	80.41530	4734	8.28613	80.41480	4773	8.28577	80.41430
4657	8.28683	80.41570	4696	8.28641	80.41530	4735	8.28612	80.41480	4774	8.28578	80.41430
4658	8.28683	80.41560	4697	8.28641	80.41530	4736	8.28609	80.41480	4775	8.28578	80.41430
4659	8.28683	80.41560	4698	8.28640	80.41530	4737	8.28607	80.41470	4776	8.28579	80.41420
4660	8.28680	80.41560	4699	8.28639	80.41520	4738	8.28605	80.41470	4777	8.28579	80.41420
4661	8.28678	80.41560	4700	8.28637	80.41520	4739	8.28605	80.41470	4778	8.28579	80.41420
4662	8.28677	80.41560	4701	8.28636	80.41520	4740	8.28603	80.41470	4779	8.28579	80.41420
4663	8.28677	80.41560	4702	8.28634	80.41520	4741	8.28601	80.41470	4780	8.28579	80.41420
4664	8.28676	80.41560	4703	8.28634	80.41520	4742	8.28600	80.41470	4781	8.28580	80.41420
4665	8.28675	80.41560	4704	8.28633	80.41520	4743	8.28597	80.41470	4782	8.28580	80.41410
4666	8.28673	80.41550	4705	8.28633	80.41520	4744	8.28596	80.41470	4783	8.28580	80.41410
4667	8.28673	80.41550	4706	8.28632	80.41520	4745	8.28595	80.41470	4784	8.28580	80.41410
4668	8.28672	80.41550	4707	8.28632	80.41520	4746	8.28593	80.41460	4785	8.28581	80.41410
4669	8.28671	80.41550	4708	8.28632	80.41520	4747	8.28590	80.41460	4786	8.28582	80.41410
4670	8.28669	80.41550	4709	8.28632	80.41520	4748	8.28589	80.41460	4787	8.28583	80.41410
4671	8.28669	80.41550	4710	8.28632	80.41510	4749	8.28589	80.41460	4788	8.28583	80.41410
4672	8.28668	80.41550	4711	8.28631	80.41510	4750	8.28587	80.41460	4789	8.28583	80.41410
4673	8.28666	80.41550	4712	8.28631	80.41510	4751	8.28587	80.41460	4790	8.28584	80.41410
4674	8.28665	80.41550	4713	8.28630	80.41510	4752	8.28584	80.41460	4791	8.28585	80.41400
4675	8.28664	80.41550	4714	8.28630	80.41510	4753	8.28583	80.41460	4792	8.28586	80.41400
4676	8.28662	80.41550	4715	8.28630	80.41510	4754	8.28581	80.41460	4793	8.28587	80.41400
4677	8.28661	80.41540	4716	8.28629	80.41510	4755	8.28580	80.41460	4794	8.28587	80.41400

4795	8.28588	80.41400	4834	8.28606	80.41340	4873	8.28627	80.41290	4912	8.28666	80.41250
4796	8.28588	80.41400	4835	8.28606	80.41340	4874	8.28628	80.41290	4913	8.28667	80.41250
4797	8.28588	80.41400	4836	8.28606	80.41340	4875	8.28628	80.41290	4914	8.28668	80.41250
4798	8.28590	80.41390	4837	8.28607	80.41340	4876	8.28630	80.41290	4915	8.28669	80.41250
4799	8.28591	80.41390	4838	8.28607	80.41330	4877	8.28631	80.41290	4916	8.28669	80.41250
4800	8.28592	80.41390	4839	8.28608	80.41330	4878	8.28634	80.41290	4917	8.28670	80.41240
4801	8.28592	80.41380	4840	8.28608	80.41330	4879	8.28634	80.41290	4918	8.28670	80.41240
4802	8.28594	80.41380	4841	8.28609	80.41330	4880	8.28636	80.41290	4919	8.28671	80.41240
4803	8.28595	80.41380	4842	8.28609	80.41330	4881	8.28638	80.41280	4920	8.28672	80.41240
4804	8.28596	80.41380	4843	8.28609	80.41330	4882	8.28639	80.41280	4921	8.28672	80.41240
4805	8.28596	80.41380	4844	8.28609	80.41330	4883	8.28641	80.41280	4922	8.28673	80.41240
4806	8.28597	80.41370	4845	8.28609	80.41330	4884	8.28642	80.41280	4923	8.28674	80.41240
4807	8.28598	80.41370	4846	8.28610	80.41330	4885	8.28643	80.41280	4924	8.28674	80.41240
4808	8.28598	80.41370	4847	8.28610	80.41330	4886	8.28644	80.41280	4925	8.28674	80.41240
4809	8.28599	80.41370	4848	8.28610	80.41330	4887	8.28646	80.41280	4926	8.28675	80.41240
4810	8.28599	80.41370	4849	8.28611	80.41330	4888	8.28647	80.41280	4927	8.28675	80.41230
4811	8.28600	80.41370	4850	8.28612	80.41320	4889	8.28647	80.41280	4928	8.28675	80.41230
4812	8.28600	80.41370	4851	8.28612	80.41320	4890	8.28650	80.41270	4929	8.28676	80.41230
4813	8.28600	80.41370	4852	8.28612	80.41320	4891	8.28650	80.41270	4930	8.28676	80.41230
4814	8.28601	80.41370	4853	8.28613	80.41320	4892	8.28651	80.41270	4931	8.28676	80.41230
4815	8.28601	80.41360	4854	8.28613	80.41320	4893	8.28653	80.41270	4932	8.28677	80.41230
4816	8.28601	80.41360	4855	8.28614	80.41320	4894	8.28654	80.41270	4933	8.28677	80.41230
4817	8.28602	80.41360	4856	8.28614	80.41310	4895	8.28654	80.41270	4934	8.28677	80.41230
4818	8.28603	80.41360	4857	8.28615	80.41310	4896	8.28654	80.41270	4935	8.28679	80.41230
4819	8.28603	80.41360	4858	8.28616	80.41310	4897	8.28655	80.41270	4936	8.28680	80.41220
4820	8.28604	80.41350	4859	8.28616	80.41310	4898	8.28656	80.41270	4937	8.28681	80.41220
4821	8.28604	80.41350	4860	8.28616	80.41310	4899	8.28657	80.41270	4938	8.28681	80.41220
4822	8.28604	80.41350	4861	8.28616	80.41300	4900	8.28658	80.41260	4939	8.28681	80.41220
4823	8.28605	80.41350	4862	8.28617	80.41300	4901	8.28660	80.41260	4940	8.28682	80.41220
4824	8.28605	80.41350	4863	8.28617	80.41300	4902	8.28660	80.41260	4941	8.28683	80.41220
4825	8.28605	80.41350	4864	8.28617	80.41300	4903	8.28661	80.41260	4942	8.28683	80.41220
4826	8.28605	80.41350	4865	8.28617	80.41300	4904	8.28662	80.41260	4943	8.28683	80.41220
4827	8.28605	80.41350	4866	8.28617	80.41300	4905	8.28663	80.41260	4944	8.28684	80.41210
4828	8.28605	80.41350	4867	8.28617	80.41300	4906	8.28663	80.41260	4945	8.28684	80.41210
4829	8.28605	80.41340	4868	8.28618	80.41300	4907	8.28663	80.41260	4946	8.28685	80.41210
4830	8.28606	80.41340	4869	8.28619	80.41300	4908	8.28664	80.41260	4947	8.28685	80.41210
4831	8.28606	80.41340	4870	8.28620	80.41300	4909	8.28665	80.41250	4948	8.28686	80.41210
4832	8.28606	80.41340	4871	8.28622	80.41300	4910	8.28666	80.41250	4949	8.28686	80.41200
4833	8.28606	80.41340	4872	8.28625	80.41290	4911	8.28666	80.41250	4950	8.28686	80.41200

4951	8.28687	80.41200	4990	8.28750	80.41180	5029	8.28788	80.41160	5068	8.28840	80.41130
4952	8.28687	80.41200	4991	8.28752	80.41180	5030	8.28788	80.41160	5069	8.28841	80.41130
4953	8.28687	80.41200	4992	8.28753	80.41180	5031	8.28789	80.41160	5070	8.28843	80.41130
4954	8.28687	80.41200	4993	8.28753	80.41180	5032	8.28789	80.41160	5071	8.28844	80.41130
4955	8.28687	80.41200	4994	8.28754	80.41180	5033	8.28791	80.41160	5072	8.28846	80.41120
4956	8.28687	80.41190	4995	8.28755	80.41180	5034	8.28793	80.41160	5073	8.28846	80.41120
4957	8.28689	80.41190	4996	8.28755	80.41180	5035	8.28794	80.41160	5074	8.28848	80.41120
4958	8.28690	80.41190	4997	8.28756	80.41180	5036	8.28796	80.41160	5075	8.28849	80.41120
4959	8.28690	80.41190	4998	8.28758	80.41180	5037	8.28798	80.41160	5076	8.28850	80.41120
4960	8.28690	80.41190	4999	8.28759	80.41180	5038	8.28799	80.41160	5077	8.28851	80.41120
4961	8.28692	80.41190	5000	8.28759	80.41180	5039	8.28800	80.41160	5078	8.28853	80.41110
4962	8.28693	80.41190	5001	8.28759	80.41180	5040	8.28802	80.41150	5079	8.28853	80.41110
4963	8.28694	80.41190	5002	8.28760	80.41180	5041	8.28802	80.41150	5080	8.28854	80.41110
4964	8.28697	80.41190	5003	8.28762	80.41170	5042	8.28803	80.41150	5081	8.28855	80.41110
4965	8.28699	80.41190	5004	8.28763	80.41170	5043	8.28804	80.41150	5082	8.28855	80.41110
4966	8.28700	80.41190	5005	8.28763	80.41170	5044	8.28804	80.41150	5083	8.28856	80.41110
4967	8.28703	80.41190	5006	8.28765	80.41170	5045	8.28805	80.41150	5084	8.28857	80.41100
4968	8.28707	80.41190	5007	8.28766	80.41170	5046	8.28807	80.41150	5085	8.28858	80.41100
4969	8.28710	80.41190	5008	8.28767	80.41170	5047	8.28811	80.41150	5086	8.28858	80.41100
4970	8.28712	80.41190	5009	8.28767	80.41170	5048	8.28812	80.41150	5087	8.28858	80.41100
4971	8.28712	80.41190	5010	8.28768	80.41170	5049	8.28813	80.41150	5088	8.28859	80.41090
4972	8.28716	80.41190	5011	8.28770	80.41170	5050	8.28813	80.41150	5089	8.28859	80.41090
4973	8.28719	80.41190	5012	8.28770	80.41170	5051	8.28813	80.41150	5090	8.28860	80.41090
4974	8.28722	80.41190	5013	8.28772	80.41170	5052	8.28815	80.41150	5091	8.28860	80.41090
4975	8.28723	80.41190	5014	8.28773	80.41170	5053	8.28816	80.41150	5092	8.28860	80.41090
4976	8.28724	80.41190	5015	8.28774	80.41170	5054	8.28817	80.41150	5093	8.28860	80.41090
4977	8.28725	80.41190	5016	8.28774	80.41170	5055	8.28819	80.41150	5094	8.28861	80.41090
4978	8.28726	80.41190	5017	8.28775	80.41170	5056	8.28821	80.41150	5095	8.28861	80.41080
4979	8.28727	80.41190	5018	8.28775	80.41170	5057	8.28824	80.41140	5096	8.28861	80.41080
4980	8.28730	80.41190	5019	8.28776	80.41170	5058	8.28826	80.41140	5097	8.28861	80.41080
4981	8.28733	80.41180	5020	8.28777	80.41170	5059	8.28828	80.41140	5098	8.28861	80.41080
4982	8.28733	80.41180	5021	8.28780	80.41160	5060	8.28828	80.41140	5099	8.28861	80.41080
4983	8.28735	80.41180	5022	8.28781	80.41160	5061	8.28831	80.41140	5100	8.28861	80.41070
4984	8.28736	80.41180	5023	8.28783	80.41160	5062	8.28834	80.41140	5101	8.28861	80.41070
4985	8.28737	80.41180	5024	8.28784	80.41160	5063	8.28834	80.41140	5102	8.28861	80.41070
4986	8.28738	80.41180	5025	8.28786	80.41160	5064	8.28836	80.41140	5103	8.28861	80.41070
4987	8.28740	80.41180	5026	8.28786	80.41160	5065	8.28837	80.41130	5104	8.28861	80.41070
4988	8.28743	80.41180	5027	8.28786	80.41160	5066	8.28837	80.41130	5105	8.28861	80.41070
4989	8.28746	80.41180	5028	8.28787	80.41160	5067	8.28838	80.41130	5106	8.28861	80.41070

5107	8.28861	80.41060	5146	8.28862	80.41020	5185	8.28880	80.40940	5224	8.28945	80.40900
5108	8.28861	80.41060	5147	8.28862	80.41020	5186	8.28882	80.40940	5225	8.28947	80.40900
5109	8.28861	80.41060	5148	8.28862	80.41010	5187	8.28884	80.40940	5226	8.28948	80.40900
5110	8.28861	80.41060	5149	8.28863	80.41000	5188	8.28886	80.40940	5227	8.28951	80.40900
5111	8.28861	80.41060	5150	8.28863	80.41000	5189	8.28887	80.40940	5228	8.28951	80.40900
5112	8.28861	80.41060	5151	8.28863	80.41000	5190	8.28888	80.40940	5229	8.28952	80.40900
5113	8.28861	80.41060	5152	8.28864	80.41000	5191	8.28889	80.40940	5230	8.28954	80.40890
5114	8.28861	80.41060	5153	8.28864	80.41000	5192	8.28891	80.40930	5231	8.28956	80.40890
5115	8.28861	80.41060	5154	8.28864	80.41000	5193	8.28894	80.40930	5232	8.28957	80.40890
5116	8.28861	80.41060	5155	8.28864	80.40990	5194	8.28895	80.40930	5233	8.28958	80.40890
5117	8.28861	80.41060	5156	8.28864	80.40990	5195	8.28896	80.40930	5234	8.28960	80.40890
5118	8.28861	80.41050	5157	8.28864	80.40990	5196	8.28899	80.40930	5235	8.28961	80.40890
5119	8.28861	80.41050	5158	8.28864	80.40990	5197	8.28900	80.40930	5236	8.28961	80.40880
5120	8.28861	80.41050	5159	8.28864	80.40990	5198	8.28902	80.40930	5237	8.28962	80.40880
5121	8.28861	80.41050	5160	8.28864	80.40990	5199	8.28903	80.40930	5238	8.28962	80.40880
5122	8.28861	80.41050	5161	8.28864	80.40990	5200	8.28905	80.40920	5239	8.28963	80.40880
5123	8.28861	80.41050	5162	8.28864	80.40990	5201	8.28907	80.40920	5240	8.28965	80.40880
5124	8.28861	80.41050	5163	8.28864	80.40990	5202	8.28908	80.40920	5241	8.28966	80.40880
5125	8.28861	80.41040	5164	8.28865	80.40990	5203	8.28910	80.40920	5242	8.28967	80.40880
5126	8.28861	80.41040	5165	8.28865	80.40980	5204	8.28910	80.40920	5243	8.28968	80.40880
5127	8.28861	80.41040	5166	8.28865	80.40980	5205	8.28912	80.40920	5244	8.28969	80.40880
5128	8.28861	80.41040	5167	8.28865	80.40980	5206	8.28913	80.40920	5245	8.28971	80.40870
5129	8.28861	80.41040	5168	8.28865	80.40980	5207	8.28914	80.40920	5246	8.28971	80.40870
5130	8.28861	80.41040	5169	8.28865	80.40980	5208	8.28915	80.40920	5247	8.28972	80.40870
5131	8.28861	80.41040	5170	8.28865	80.40980	5209	8.28916	80.40920	5248	8.28973	80.40870
5132	8.28861	80.41030	5171	8.28865	80.40960	5210	8.28917	80.40920	5249	8.28974	80.40870
5133	8.28861	80.41030	5172	8.28865	80.40950	5211	8.28918	80.40920	5250	8.28979	80.40850
5134	8.28862	80.41030	5173	8.28865	80.40950	5212	8.28919	80.40920	5251	8.28979	80.40850
5135	8.28862	80.41030	5174	8.28865	80.40950	5213	8.28920	80.40910	5252	8.28980	80.40850
5136	8.28862	80.41030	5175	8.28867	80.40950	5214	8.28921	80.40910	5253	8.28982	80.40840
5137	8.28862	80.41030	5176	8.28875	80.40950	5215	8.28922	80.40910	5254	8.28983	80.40840
5138	8.28862	80.41030	5177	8.28875	80.40940	5216	8.28922	80.40910	5255	8.28983	80.40840
5139	8.28862	80.41020	5178	8.28875	80.40940	5217	8.28923	80.40910	5256	8.28985	80.40840
5140	8.28862	80.41020	5179	8.28876	80.40940	5218	8.28932	80.40910	5257	8.28985	80.40830
5141	8.28862	80.41020	5180	8.28878	80.40940	5219	8.28932	80.40910	5258	8.28986	80.40830
5142	8.28862	80.41020	5181	8.28879	80.40940	5220	8.28935	80.40910	5259	8.28986	80.40830
5143	8.28862	80.41020	5182	8.28879	80.40940	5221	8.28936	80.40910	5260	8.28987	80.40830
5144	8.28862	80.41020	5183	8.28879	80.40940	5222	8.28940	80.40900	5261	8.28987	80.40830
5145	8.28862	80.41020	5184	8.28880	80.40940	5223	8.28942	80.40900	5262	8.28987	80.40830

5263	8.28987	80.40830	5302	8.28981	80.40770	5341	8.29008	80.40750	5380	8.29082	80.40730
5264	8.28988	80.40820	5303	8.28981	80.40760	5342	8.29009	80.40750	5381	8.29084	80.40730
5265	8.28988	80.40820	5304	8.28980	80.40760	5343	8.29009	80.40750	5382	8.29085	80.40720
5266	8.28988	80.40820	5305	8.28980	80.40760	5344	8.29010	80.40750	5383	8.29085	80.40720
5267	8.28988	80.40820	5306	8.28979	80.40760	5345	8.29012	80.40750	5384	8.29086	80.40720
5268	8.28988	80.40820	5307	8.28979	80.40760	5346	8.29014	80.40750	5385	8.29088	80.40720
5269	8.28988	80.40820	5308	8.28979	80.40760	5347	8.29016	80.40750	5386	8.29089	80.40720
5270	8.28989	80.40820	5309	8.28978	80.40760	5348	8.29018	80.40750	5387	8.29090	80.40720
5271	8.28989	80.40810	5310	8.28978	80.40760	5349	8.29019	80.40750	5388	8.29091	80.40720
5272	8.28989	80.40810	5311	8.28978	80.40760	5350	8.29022	80.40750	5389	8.29092	80.40720
5273	8.28989	80.40810	5312	8.28978	80.40760	5351	8.29024	80.40750	5390	8.29094	80.40720
5274	8.28989	80.40810	5313	8.28978	80.40750	5352	8.29028	80.40750	5391	8.29096	80.40710
5275	8.28989	80.40810	5314	8.28977	80.40750	5353	8.29029	80.40750	5392	8.29098	80.40710
5276	8.28989	80.40800	5315	8.28977	80.40750	5354	8.29032	80.40750	5393	8.29100	80.40710
5277	8.28989	80.40800	5316	8.28977	80.40750	5355	8.29034	80.40750	5394	8.29101	80.40710
5278	8.28989	80.40800	5317	8.28976	80.40750	5356	8.29035	80.40750	5395	8.29102	80.40710
5279	8.28989	80.40800	5318	8.28976	80.40750	5357	8.29038	80.40750	5396	8.29104	80.40700
5280	8.28989	80.40800	5319	8.28975	80.40750	5358	8.29040	80.40750	5397	8.29105	80.40700
5281	8.28989	80.40800	5320	8.28975	80.40750	5359	8.29044	80.40750	5398	8.29106	80.40700
5282	8.28989	80.40800	5321	8.28975	80.40740	5360	8.29044	80.40750	5399	8.29107	80.40700
5283	8.28989	80.40800	5322	8.28975	80.40740	5361	8.29047	80.40750	5400	8.29107	80.40700
5284	8.28989	80.40790	5323	8.28977	80.40740	5362	8.29050	80.40750	5401	8.29107	80.40700
5285	8.28989	80.40790	5324	8.28978	80.40740	5363	8.29052	80.40750	5402	8.29108	80.40700
5286	8.28989	80.40790	5325	8.28979	80.40740	5364	8.29054	80.40750	5403	8.29108	80.40700
5287	8.28988	80.40790	5326	8.28980	80.40740	5365	8.29055	80.40750	5404	8.29110	80.40700
5288	8.28988	80.40790	5327	8.28981	80.40750	5366	8.29057	80.40740	5405	8.29111	80.40690
5289	8.28988	80.40790	5328	8.28983	80.40750	5367	8.29059	80.40740	5406	8.29113	80.40690
5290	8.28988	80.40780	5329	8.28986	80.40750	5368	8.29060	80.40740	5407	8.29114	80.40690
5291	8.28987	80.40780	5330	8.28987	80.40750	5369	8.29060	80.40740	5408	8.29114	80.40690
5292	8.28987	80.40780	5331	8.28990	80.40750	5370	8.29062	80.40740	5409	8.29115	80.40680
5293	8.28987	80.40780	5332	8.28993	80.40750	5371	8.29065	80.40740	5410	8.29116	80.40680
5294	8.28986	80.40780	5333	8.28994	80.40750	5372	8.29068	80.40740	5411	8.29117	80.40680
5295	8.28985	80.40780	5334	8.28997	80.40750	5373	8.29070	80.40740	5412	8.29117	80.40680
5296	8.28984	80.40770	5335	8.28998	80.40750	5374	8.29071	80.40740	5413	8.29117	80.40680
5297	8.28984	80.40770	5336	8.29000	80.40750	5375	8.29073	80.40730	5414	8.29118	80.40670
5298	8.28983	80.40770	5337	8.29002	80.40750	5376	8.29075	80.40730	5415	8.29118	80.40670
5299	8.28983	80.40770	5338	8.29003	80.40750	5377	8.29078	80.40730	5416	8.29118	80.40670
5300	8.28982	80.40770	5339	8.29003	80.40750	5378	8.29080	80.40730	5417	8.29118	80.40660
5301	8.28982	80.40770	5340	8.29004	80.40750	5379	8.29081	80.40730	5418	8.29118	80.40660

5419	8.29118	80.40660	5458	8.29128	80.40600	5497	8.29112	80.40540	5536	8.29108	80.40490
5420	8.29118	80.40660	5459	8.29128	80.40600	5498	8.29112	80.40540	5537	8.29108	80.40480
5421	8.29118	80.40660	5460	8.29128	80.40600	5499	8.29112	80.40540	5538	8.29107	80.40480
5422	8.29118	80.40660	5461	8.29127	80.40600	5500	8.29112	80.40540	5539	8.29106	80.40480
5423	8.29118	80.40660	5462	8.29127	80.40600	5501	8.29112	80.40530	5540	8.29106	80.40480
5424	8.29118	80.40660	5463	8.29126	80.40590	5502	8.29112	80.40530	5541	8.29106	80.40480
5425	8.29119	80.40660	5464	8.29125	80.40590	5503	8.29112	80.40530	5542	8.29105	80.40480
5426	8.29120	80.40650	5465	8.29125	80.40590	5504	8.29112	80.40530	5543	8.29105	80.40470
5427	8.29121	80.40650	5466	8.29125	80.40590	5505	8.29112	80.40530	5544	8.29105	80.40470
5428	8.29121	80.40650	5467	8.29124	80.40590	5506	8.29112	80.40530	5545	8.29105	80.40470
5429	8.29121	80.40650	5468	8.29122	80.40580	5507	8.29112	80.40530	5546	8.29105	80.40470
5430	8.29122	80.40650	5469	8.29122	80.40580	5508	8.29112	80.40520	5547	8.29105	80.40470
5431	8.29123	80.40650	5470	8.29122	80.40580	5509	8.29112	80.40520	5548	8.29104	80.40470
5432	8.29124	80.40650	5471	8.29122	80.40580	5510	8.29112	80.40520	5549	8.29104	80.40470
5433	8.29125	80.40640	5472	8.29121	80.40580	5511	8.29112	80.40520	5550	8.29104	80.40470
5434	8.29125	80.40640	5473	8.29120	80.40580	5512	8.29112	80.40520	5551	8.29104	80.40470
5435	8.29126	80.40640	5474	8.29119	80.40580	5513	8.29112	80.40520	5552	8.29104	80.40470
5436	8.29126	80.40640	5475	8.29118	80.40570	5514	8.29112	80.40520	5553	8.29104	80.40460
5437	8.29127	80.40640	5476	8.29118	80.40570	5515	8.29111	80.40520	5554	8.29104	80.40460
5438	8.29127	80.40640	5477	8.29116	80.40570	5516	8.29111	80.40510	5555	8.29104	80.40460
5439	8.29127	80.40640	5478	8.29115	80.40570	5517	8.29111	80.40510	5556	8.29104	80.40460
5440	8.29128	80.40630	5479	8.29115	80.40570	5518	8.29111	80.40510	5557	8.29104	80.40460
5441	8.29128	80.40630	5480	8.29115	80.40570	5519	8.29111	80.40510	5558	8.29105	80.40460
5442	8.29128	80.40630	5481	8.29115	80.40570	5520	8.29111	80.40510	5559	8.29105	80.40460
5443	8.29129	80.40630	5482	8.29115	80.40560	5521	8.29111	80.40510	5560	8.29105	80.40450
5444	8.29129	80.40630	5483	8.29115	80.40560	5522	8.29111	80.40510	5561	8.29105	80.40450
5445	8.29129	80.40630	5484	8.29115	80.40560	5523	8.29111	80.40510	5562	8.29105	80.40450
5446	8.29129	80.40620	5485	8.29115	80.40560	5524	8.29111	80.40510	5563	8.29104	80.40450
5447	8.29129	80.40620	5486	8.29115	80.40550	5525	8.29111	80.40500	5564	8.29104	80.40440
5448	8.29129	80.40620	5487	8.29114	80.40550	5526	8.29111	80.40500	5565	8.29104	80.40440
5449	8.29129	80.40620	5488	8.29114	80.40550	5527	8.29111	80.40500	5566	8.29104	80.40440
5450	8.29129	80.40620	5489	8.29114	80.40550	5528	8.29111	80.40500	5567	8.29103	80.40440
5451	8.29129	80.40610	5490	8.29114	80.40550	5529	8.29110	80.40500	5568	8.29103	80.40440
5452	8.29129	80.40610	5491	8.29113	80.40540	5530	8.29110	80.40490	5569	8.29103	80.40440
5453	8.29129	80.40610	5492	8.29113	80.40540	5531	8.29109	80.40490	5570	8.29102	80.40430
5454	8.29129	80.40610	5493	8.29113	80.40540	5532	8.29109	80.40490	5571	8.29102	80.40430
5455	8.29129	80.40610	5494	8.29113	80.40540	5533	8.29109	80.40490	5572	8.29102	80.40430
5456	8.29129	80.40610	5495	8.29112	80.40540	5534	8.29109	80.40490	5573	8.29101	80.40430
5457	8.29128	80.40610	5496	8.29112	80.40540	5535	8.29109	80.40490	5574	8.29101	80.40430

5575	8.29100	80.40430	5614	8.29074	80.40380	5653	8.29083	80.40310	5692	8.29135	80.40280
5576	8.29099	80.40420	5615	8.29074	80.40380	5654	8.29086	80.40300	5693	8.29136	80.40280
5577	8.29098	80.40420	5616	8.29074	80.40380	5655	8.29088	80.40300	5694	8.29138	80.40280
5578	8.29098	80.40420	5617	8.29074	80.40380	5656	8.29089	80.40300	5695	8.29139	80.40280
5579	8.29097	80.40420	5618	8.29074	80.40380	5657	8.29089	80.40300	5696	8.29140	80.40280
5580	8.29097	80.40420	5619	8.29074	80.40370	5658	8.29090	80.40300	5697	8.29141	80.40280
5581	8.29097	80.40420	5620	8.29074	80.40370	5659	8.29091	80.40300	5698	8.29144	80.40280
5582	8.29096	80.40420	5621	8.29074	80.40370	5660	8.29093	80.40300	5699	8.29147	80.40280
5583	8.29095	80.40410	5622	8.29073	80.40370	5661	8.29094	80.40300	5700	8.29148	80.40280
5584	8.29094	80.40410	5623	8.29073	80.40370	5662	8.29094	80.40300	5701	8.29150	80.40280
5585	8.29094	80.40410	5624	8.29073	80.40370	5663	8.29096	80.40300	5702	8.29152	80.40280
5586	8.29094	80.40410	5625	8.29073	80.40370	5664	8.29097	80.40300	5703	8.29154	80.40280
5587	8.29094	80.40410	5626	8.29073	80.40370	5665	8.29102	80.40300	5704	8.29156	80.40280
5588	8.29093	80.40410	5627	8.29073	80.40360	5666	8.29102	80.40300	5705	8.29157	80.40270
5589	8.29092	80.40410	5628	8.29072	80.40360	5667	8.29104	80.40290	5706	8.29157	80.40270
5590	8.29092	80.40410	5629	8.29072	80.40360	5668	8.29105	80.40290	5707	8.29157	80.40270
5591	8.29090	80.40410	5630	8.29072	80.40360	5669	8.29106	80.40290	5708	8.29158	80.40270
5592	8.29089	80.40400	5631	8.29072	80.40360	5670	8.29107	80.40290	5709	8.29159	80.40270
5593	8.29089	80.40400	5632	8.29072	80.40360	5671	8.29108	80.40290	5710	8.29161	80.40270
5594	8.29088	80.40400	5633	8.29071	80.40360	5672	8.29109	80.40290	5711	8.29162	80.40270
5595	8.29087	80.40400	5634	8.29071	80.40360	5673	8.29110	80.40290	5712	8.29162	80.40270
5596	8.29086	80.40400	5635	8.29071	80.40360	5674	8.29112	80.40290	5713	8.29162	80.40270
5597	8.29086	80.40400	5636	8.29071	80.40360	5675	8.29113	80.40290	5714	8.29163	80.40270
5598	8.29084	80.40400	5637	8.29070	80.40350	5676	8.29116	80.40290	5715	8.29163	80.40270
5599	8.29084	80.40400	5638	8.29070	80.40350	5677	8.29118	80.40290	5716	8.29164	80.40270
5600	8.29084	80.40400	5639	8.29070	80.40350	5678	8.29119	80.40290	5717	8.29165	80.40270
5601	8.29083	80.40390	5640	8.29070	80.40350	5679	8.29119	80.40290	5718	8.29167	80.40270
5602	8.29083	80.40390	5641	8.29070	80.40350	5680	8.29121	80.40290	5719	8.29168	80.40270
5603	8.29082	80.40390	5642	8.29070	80.40350	5681	8.29123	80.40290	5720	8.29170	80.40270
5604	8.29081	80.40390	5643	8.29069	80.40340	5682	8.29124	80.40290	5721	8.29171	80.40270
5605	8.29080	80.40390	5644	8.29069	80.40340	5683	8.29125	80.40290	5722	8.29173	80.40270
5606	8.29079	80.40390	5645	8.29069	80.40340	5684	8.29127	80.40280	5723	8.29173	80.40270
5607	8.29078	80.40390	5646	8.29071	80.40340	5685	8.29127	80.40280	5724	8.29173	80.40270
5608	8.29077	80.40380	5647	8.29072	80.40340	5686	8.29128	80.40280	5725	8.29173	80.40270
5609	8.29077	80.40380	5648	8.29074	80.40340	5687	8.29130	80.40280	5726	8.29174	80.40270
5610	8.29076	80.40380	5649	8.29075	80.40330	5688	8.29131	80.40280	5727	8.29175	80.40270
5611	8.29075	80.40380	5650	8.29080	80.40320	5689	8.29132	80.40280	5728	8.29175	80.40270
5612	8.29075	80.40380	5651	8.29081	80.40320	5690	8.29132	80.40280	5729	8.29175	80.40270
5613	8.29075	80.40380	5652	8.29082	80.40320	5691	8.29133	80.40280	5730	8.29175	80.40270

5731	8.29177	80.40270	5770	8.29222	80.40260	5809	8.29268	80.40200	5848	8.29318	80.40090
5732	8.29178	80.40270	5771	8.29223	80.40260	5810	8.29269	80.40200	5849	8.29326	80.40090
5733	8.29180	80.40270	5772	8.29224	80.40260	5811	8.29269	80.40190	5850	8.29331	80.40090
5734	8.29180	80.40270	5773	8.29227	80.40250	5812	8.29269	80.40190	5851	8.29348	80.40080
5735	8.29181	80.40270	5774	8.29227	80.40250	5813	8.29269	80.40190	5852	8.29355	80.40080
5736	8.29182	80.40270	5775	8.29229	80.40250	5814	8.29270	80.40190	5853	8.29358	80.40080
5737	8.29185	80.40270	5776	8.29232	80.40250	5815	8.29271	80.40190	5854	8.29361	80.40080
5738	8.29185	80.40270	5777	8.29233	80.40250	5816	8.29271	80.40190	5855	8.29364	80.40080
5739	8.29186	80.40270	5778	8.29235	80.40250	5817	8.29272	80.40190	5856	8.29391	80.40070
5740	8.29188	80.40270	5779	8.29236	80.40250	5818	8.29272	80.40190	5857	8.29392	80.40070
5741	8.29188	80.40270	5780	8.29239	80.40250	5819	8.29274	80.40180	5858	8.29395	80.40070
5742	8.29192	80.40260	5781	8.29239	80.40250	5820	8.29274	80.40180	5859	8.29399	80.40070
5743	8.29192	80.40260	5782	8.29240	80.40250	5821	8.29274	80.40180	5860	8.29402	80.40070
5744	8.29193	80.40260	5783	8.29243	80.40240	5822	8.29275	80.40180	5861	8.29405	80.40070
5745	8.29193	80.40260	5784	8.29245	80.40240	5823	8.29276	80.40180	5862	8.29405	80.40070
5746	8.29193	80.40260	5785	8.29246	80.40240	5824	8.29277	80.40170	5863	8.29405	80.40070
5747	8.29195	80.40260	5786	8.29246	80.40240	5825	8.29277	80.40170	5864	8.29412	80.40060
5748	8.29196	80.40260	5787	8.29247	80.40240	5826	8.29277	80.40170	5865	8.29413	80.40060
5749	8.29197	80.40260	5788	8.29247	80.40240	5827	8.29278	80.40170	5866	8.29416	80.40060
5750	8.29199	80.40260	5789	8.29249	80.40240	5828	8.29279	80.40170	5867	8.29417	80.40060
5751	8.29199	80.40260	5790	8.29250	80.40240	5829	8.29279	80.40160	5868	8.29424	80.40050
5752	8.29202	80.40260	5791	8.29251	80.40240	5830	8.29281	80.40150	5869	8.29425	80.40050
5753	8.29203	80.40260	5792	8.29252	80.40230	5831	8.29282	80.40150	5870	8.29428	80.40050
5754	8.29203	80.40260	5793	8.29254	80.40230	5832	8.29282	80.40140	5871	8.29430	80.40050
5755	8.29204	80.40260	5794	8.29256	80.40230	5833	8.29283	80.40130	5872	8.29433	80.40040
5756	8.29206	80.40260	5795	8.29258	80.40230	5834	8.29283	80.40130	5873	8.29434	80.40040
5757	8.29208	80.40260	5796	8.29259	80.40230	5835	8.29283	80.40130	5874	8.29437	80.40040
5758	8.29208	80.40260	5797	8.29260	80.40220	5836	8.29288	80.40120	5875	8.29438	80.40040
5759	8.29209	80.40260	5798	8.29261	80.40220	5837	8.29288	80.40120	5876	8.29440	80.40030
5760	8.29209	80.40260	5799	8.29263	80.40220	5838	8.29293	80.40120	5877	8.29442	80.40030
5761	8.29210	80.40260	5800	8.29264	80.40220	5839	8.29294	80.40120	5878	8.29442	80.40030
5762	8.29212	80.40260	5801	8.29265	80.40210	5840	8.29296	80.40120	5879	8.29443	80.40030
5763	8.29213	80.40260	5802	8.29265	80.40210	5841	8.29299	80.40110	5880	8.29443	80.40030
5764	8.29214	80.40260	5803	8.29266	80.40210	5842	8.29300	80.40110	5881	8.29445	80.40020
5765	8.29215	80.40260	5804	8.29267	80.40210	5843	8.29305	80.40110	5882	8.29446	80.40020
5766	8.29215	80.40260	5805	8.29267	80.40210	5844	8.29306	80.40110	5883	8.29447	80.40020
5767	8.29218	80.40260	5806	8.29267	80.40210	5845	8.29309	80.40100	5884	8.29449	80.40020
5768	8.29219	80.40260	5807	8.29268	80.40200	5846	8.29311	80.40100	5885	8.29449	80.40010
5769	8.29220	80.40260	5808	8.29268	80.40200	5847	8.29312	80.40100	5886	8.29451	80.40010

5887	8.29451	80.40010	5926	8.29487	80.39940	5965	8.29541	80.39940	6004	8.29673	80.39870
5888	8.29452	80.40010	5927	8.29488	80.39940	5966	8.29542	80.39940	6005	8.29677	80.39870
5889	8.29453	80.40010	5928	8.29490	80.39940	5967	8.29545	80.39940	6006	8.29680	80.39870
5890	8.29454	80.40010	5929	8.29491	80.39940	5968	8.29546	80.39940	6007	8.29683	80.39870
5891	8.29454	80.40010	5930	8.29491	80.39940	5969	8.29547	80.39940	6008	8.29687	80.39870
5892	8.29455	80.40000	5931	8.29491	80.39940	5970	8.29550	80.39930	6009	8.29690	80.39860
5893	8.29456	80.40000	5932	8.29491	80.39940	5971	8.29552	80.39930	6010	8.29691	80.39860
5894	8.29457	80.40000	5933	8.29492	80.39940	5972	8.29552	80.39930	6011	8.29703	80.39860
5895	8.29458	80.40000	5934	8.29493	80.39940	5973	8.29563	80.39930	6012	8.29705	80.39860
5896	8.29458	80.40000	5935	8.29494	80.39940	5974	8.29575	80.39930	6013	8.29708	80.39850
5897	8.29459	80.40000	5936	8.29496	80.39940	5975	8.29575	80.39930	6014	8.29710	80.39850
5898	8.29460	80.39990	5937	8.29498	80.39940	5976	8.29576	80.39930	6015	8.29713	80.39850
5899	8.29460	80.39990	5938	8.29499	80.39940	5977	8.29579	80.39920	6016	8.29715	80.39850
5900	8.29461	80.39990	5939	8.29500	80.39940	5978	8.29581	80.39920	6017	8.29718	80.39840
5901	8.29462	80.39990	5940	8.29501	80.39940	5979	8.29581	80.39920	6018	8.29720	80.39840
5902	8.29462	80.39990	5941	8.29503	80.39940	5980	8.29585	80.39920	6019	8.29721	80.39840
5903	8.29463	80.39990	5942	8.29504	80.39940	5981	8.29588	80.39920	6020	8.29723	80.39830
5904	8.29463	80.39990	5943	8.29506	80.39940	5982	8.29591	80.39920	6021	8.29724	80.39830
5905	8.29464	80.39980	5944	8.29507	80.39940	5983	8.29594	80.39920	6022	8.29727	80.39830
5906	8.29464	80.39980	5945	8.29510	80.39940	5984	8.29596	80.39910	6023	8.29750	80.39790
5907	8.29465	80.39980	5946	8.29510	80.39940	5985	8.29599	80.39910	6024	8.29762	80.39780
5908	8.29466	80.39980	5947	8.29512	80.39940	5986	8.29601	80.39910	6025	8.29764	80.39780
5909	8.29471	80.39970	5948	8.29514	80.39940	5987	8.29604	80.39910	6026	8.29765	80.39780
5910	8.29478	80.39950	5949	8.29516	80.39940	5988	8.29606	80.39900	6027	8.29820	80.39730
5911	8.29478	80.39950	5950	8.29516	80.39940	5989	8.29608	80.39900	6028	8.29852	80.39730
5912	8.29479	80.39950	5951	8.29518	80.39940	5990	8.29609	80.39900	6029	8.29854	80.39730
5913	8.29480	80.39950	5952	8.29518	80.39940	5991	8.29610	80.39900	6030	8.29857	80.39730
5914	8.29480	80.39950	5953	8.29520	80.39940	5992	8.29628	80.39890	6031	8.29861	80.39730
5915	8.29481	80.39940	5954	8.29520	80.39940	5993	8.29631	80.39890	6032	8.29864	80.39720
5916	8.29482	80.39940	5955	8.29522	80.39940	5994	8.29634	80.39880	6033	8.29868	80.39720
5917	8.29482	80.39940	5956	8.29524	80.39940	5995	8.29640	80.39880	6034	8.29871	80.39720
5918	8.29483	80.39940	5957	8.29526	80.39940	5996	8.29641	80.39880	6035	8.29874	80.39720
5919	8.29483	80.39940	5958	8.29527	80.39940	5997	8.29644	80.39880	6036	8.29877	80.39720
5920	8.29483	80.39940	5959	8.29531	80.39940	5998	8.29645	80.39880	6037	8.29880	80.39720
5921	8.29484	80.39940	5960	8.29535	80.39940	5999	8.29649	80.39880	6038	8.29883	80.39710
5922	8.29484	80.39940	5961	8.29535	80.39940	6000	8.29661	80.39870	6039	8.29885	80.39710
5923	8.29486	80.39940	5962	8.29538	80.39940	6001	8.29663	80.39870	6040	8.29888	80.39710
5924	8.29486	80.39940	5963	8.29539	80.39940	6002	8.29666	80.39870	6041	8.29890	80.39710
5925	8.29486	80.39940	5964	8.29540	80.39940	6003	8.29670	80.39870	6042	8.29892	80.39700

6043	8.29894	80.39700	6082	8.29930	80.39510	6121	8.30283	80.39450	6160	8.30914	80.39460
6044	8.29895	80.39700	6083	8.29932	80.39500	6122	8.30285	80.39450	6161	8.30915	80.39460
6045	8.29897	80.39690	6084	8.29935	80.39500	6123	8.30288	80.39450	6162	8.30938	80.39460
6046	8.29898	80.39690	6085	8.29937	80.39500	6124	8.30292	80.39450	6163	8.30941	80.39460
6047	8.29899	80.39690	6086	8.29939	80.39510	6125	8.30295	80.39450	6164	8.30945	80.39460
6048	8.29900	80.39680	6087	8.29942	80.39510	6126	8.30299	80.39450	6165	8.30948	80.39460
6049	8.29901	80.39680	6088	8.29945	80.39510	6127	8.30301	80.39450	6166	8.30952	80.39460
6050	8.29901	80.39680	6089	8.29948	80.39510	6128	8.30489	80.39460	6167	8.30955	80.39450
6051	8.29901	80.39670	6090	8.29951	80.39510	6129	8.30491	80.39460	6168	8.30957	80.39450
6052	8.29901	80.39670	6091	8.29954	80.39520	6130	8.30494	80.39460	6169	8.31008	80.39420
6053	8.29901	80.39670	6092	8.29958	80.39520	6131	8.30498	80.39460	6170	8.31061	80.39400
6054	8.29900	80.39660	6093	8.29961	80.39520	6132	8.30501	80.39460	6171	8.31061	80.39400
6055	8.29899	80.39660	6094	8.29979	80.39520	6133	8.30505	80.39450	6172	8.31064	80.39400
6056	8.29898	80.39660	6095	8.29980	80.39520	6134	8.30506	80.39450	6173	8.31067	80.39400
6057	8.29897	80.39650	6096	8.29983	80.39520	6135	8.30509	80.39450	6174	8.31070	80.39400
6058	8.29895	80.39650	6097	8.29986	80.39520	6136	8.30512	80.39450	6175	8.31072	80.39400
6059	8.29894	80.39650	6098	8.29990	80.39520	6137	8.30557	80.39430	6176	8.31104	80.39370
6060	8.29892	80.39640	6099	8.29994	80.39520	6138	8.30557	80.39430	6177	8.31105	80.39370
6061	8.29890	80.39640	6100	8.29997	80.39520	6139	8.30561	80.39430	6178	8.31108	80.39370
6062	8.29888	80.39640	6101	8.30001	80.39520	6140	8.30564	80.39430	6179	8.31110	80.39370
6063	8.29885	80.39630	6102	8.30001	80.39520	6141	8.30567	80.39430	6180	8.31113	80.39370
6064	8.29883	80.39630	6103	8.30072	80.39510	6142	8.30570	80.39430	6181	8.31114	80.39360
6065	8.29882	80.39630	6104	8.30075	80.39510	6143	8.30572	80.39420	6182	8.31139	80.39330
6066	8.29888	80.39620	6105	8.30078	80.39510	6144	8.30611	80.39390	6183	8.31141	80.39330
6067	8.29895	80.39610	6106	8.30080	80.39510	6145	8.30621	80.39390	6184	8.31143	80.39330
6068	8.29896	80.39600	6107	8.30082	80.39510	6146	8.30648	80.39390	6185	8.31145	80.39330
6069	8.29897	80.39600	6108	8.30085	80.39510	6147	8.30685	80.39400	6186	8.31146	80.39320
6070	8.29898	80.39600	6109	8.30088	80.39510	6148	8.30686	80.39400	6187	8.31148	80.39320
6071	8.29910	80.39560	6110	8.30140	80.39480	6149	8.30689	80.39400	6188	8.31149	80.39320
6072	8.29910	80.39560	6111	8.30141	80.39480	6150	8.30690	80.39400	6189	8.31150	80.39310
6073	8.29911	80.39560	6112	8.30144	80.39480	6151	8.30766	80.39410	6190	8.31151	80.39310
6074	8.29911	80.39560	6113	8.30147	80.39480	6152	8.30887	80.39460	6191	8.31151	80.39310
6075	8.29913	80.39550	6114	8.30150	80.39480	6153	8.30890	80.39460	6192	8.31151	80.39300
6076	8.29925	80.39530	6115	8.30153	80.39480	6154	8.30893	80.39460	6193	8.31156	80.39270
6077	8.29925	80.39530	6116	8.30155	80.39470	6155	8.30897	80.39460	6194	8.31164	80.39260
6078	8.29927	80.39520	6117	8.30183	80.39450	6156	8.30900	80.39460	6195	8.31202	80.39240
6079	8.29928	80.39520	6118	8.30196	80.39440	6157	8.30904	80.39460	6196	8.31297	80.39200
6080	8.29929	80.39520	6119	8.30221	80.39430	6158	8.30907	80.39460	6197	8.31300	80.39200
6081	8.29930	80.39510	6120	8.30246	80.39430	6159	8.30911	80.39460	6198	8.31304	80.39200

6199	8.31306	80.39200	6238	8.31590	80.39130	6277	8.31944	80.39140	6316	8.32253	80.39240
6200	8.31309	80.39190	6239	8.31604	80.39140	6278	8.31951	80.39140	6317	8.32255	80.39270
6201	8.31312	80.39190	6240	8.31608	80.39140	6279	8.31958	80.39140	6318	8.32255	80.39270
6202	8.31315	80.39190	6241	8.31611	80.39140	6280	8.31966	80.39140	6319	8.32255	80.39270
6203	8.31316	80.39190	6242	8.31629	80.39140	6281	8.31967	80.39140	6320	8.32257	80.39280
6204	8.31339	80.39160	6243	8.31629	80.39140	6282	8.31977	80.39140	6321	8.32257	80.39280
6205	8.31343	80.39160	6244	8.31633	80.39140	6283	8.31977	80.39140	6322	8.32257	80.39280
6206	8.31356	80.39150	6245	8.31641	80.39140	6284	8.31986	80.39140	6323	8.32257	80.39280
6207	8.31390	80.39140	6246	8.31644	80.39140	6285	8.31995	80.39140	6324	8.32258	80.39290
6208	8.31393	80.39140	6247	8.31645	80.39140	6286	8.32000	80.39140	6325	8.32259	80.39300
6209	8.31397	80.39140	6248	8.31652	80.39140	6287	8.32006	80.39140	6326	8.32259	80.39300
6210	8.31400	80.39140	6249	8.31667	80.39140	6288	8.32006	80.39140	6327	8.32260	80.39310
6211	8.31403	80.39140	6250	8.31685	80.39140	6289	8.32010	80.39140	6328	8.32260	80.39310
6212	8.31407	80.39140	6251	8.31686	80.39140	6290	8.32010	80.39140	6329	8.32260	80.39310
6213	8.31410	80.39140	6252	8.31686	80.39140	6291	8.32024	80.39140	6330	8.32262	80.39320
6214	8.31414	80.39140	6253	8.31700	80.39140	6292	8.32035	80.39140	6331	8.32262	80.39320
6215	8.31417	80.39140	6254	8.31702	80.39140	6293	8.32036	80.39140	6332	8.32262	80.39320
6216	8.31421	80.39140	6255	8.31712	80.39140	6294	8.32038	80.39140	6333	8.32264	80.39330
6217	8.31424	80.39140	6256	8.31714	80.39140	6295	8.32040	80.39140	6334	8.32265	80.39340
6218	8.31428	80.39140	6257	8.31716	80.39140	6296	8.32042	80.39140	6335	8.32265	80.39340
6219	8.31431	80.39140	6258	8.31726	80.39140	6297	8.32046	80.39140	6336	8.32267	80.39350
6220	8.31433	80.39140	6259	8.31756	80.39140	6298	8.32046	80.39140	6337	8.32267	80.39350
6221	8.31435	80.39140	6260	8.31766	80.39140	6299	8.32048	80.39140	6338	8.32268	80.39350
6222	8.31437	80.39140	6261	8.31775	80.39140	6300	8.32049	80.39140	6339	8.32269	80.39360
6223	8.31437	80.39140	6262	8.31776	80.39140	6301	8.32053	80.39140	6340	8.32269	80.39360
6224	8.31442	80.39140	6263	8.31778	80.39140	6302	8.32053	80.39140	6341	8.32294	80.39420
6225	8.31442	80.39140	6264	8.31788	80.39140	6303	8.32054	80.39140	6342	8.32296	80.39430
6226	8.31453	80.39130	6265	8.31799	80.39140	6304	8.32077	80.39140	6343	8.32296	80.39430
6227	8.31466	80.39130	6266	8.31802	80.39140	6305	8.32078	80.39140	6344	8.32298	80.39430
6228	8.31470	80.39130	6267	8.31802	80.39140	6306	8.32084	80.39140	6345	8.32299	80.39440
6229	8.31470	80.39130	6268	8.31813	80.39140	6307	8.32085	80.39140	6346	8.32301	80.39440
6230	8.31472	80.39130	6269	8.31827	80.39140	6308	8.32085	80.39140	6347	8.32303	80.39440
6231	8.31482	80.39130	6270	8.31831	80.39140	6309	8.32091	80.39150	6348	8.32305	80.39450
6232	8.31488	80.39130	6271	8.31833	80.39140	6310	8.32126	80.39150	6349	8.32307	80.39450
6233	8.31492	80.39130	6272	8.31839	80.39140	6311	8.32220	80.39180	6350	8.32309	80.39450
6234	8.31511	80.39120	6273	8.31860	80.39140	6312	8.32221	80.39180	6351	8.32312	80.39450
6235	8.31522	80.39130	6274	8.31933	80.39140	6313	8.32249	80.39220	6352	8.32315	80.39460
6236	8.31590	80.39130	6275	8.31935	80.39140	6314	8.32250	80.39220	6353	8.32315	80.39460
6237	8.31590	80.39130	6276	8.31937	80.39140	6315	8.32253	80.39240	6354	8.32378	80.39500

6355	8.32384	80.39510	6394	8.32605	80.39670	6433	8.32730	80.39800	6472	8.32928	80.39940
6356	8.32384	80.39510	6395	8.32610	80.39670	6434	8.32731	80.39800	6473	8.32932	80.39950
6357	8.32385	80.39510	6396	8.32622	80.39700	6435	8.32732	80.39810	6474	8.32935	80.39950
6358	8.32389	80.39510	6397	8.32623	80.39700	6436	8.32740	80.39810	6475	8.32938	80.39950
6359	8.32392	80.39510	6398	8.32625	80.39700	6437	8.32740	80.39810	6476	8.32939	80.39950
6360	8.32394	80.39510	6399	8.32627	80.39700	6438	8.32747	80.39820	6477	8.32984	80.39950
6361	8.32407	80.39520	6400	8.32627	80.39700	6439	8.32752	80.39820	6478	8.32985	80.39950
6362	8.32407	80.39520	6401	8.32639	80.39720	6440	8.32759	80.39830	6479	8.32987	80.39950
6363	8.32411	80.39530	6402	8.32641	80.39720	6441	8.32764	80.39840	6480	8.33004	80.39960
6364	8.32414	80.39530	6403	8.32643	80.39720	6442	8.32768	80.39840	6481	8.33006	80.39960
6365	8.32417	80.39530	6404	8.32647	80.39730	6443	8.32771	80.39850	6482	8.33009	80.39960
6366	8.32420	80.39530	6405	8.32648	80.39730	6444	8.32773	80.39850	6483	8.33013	80.39960
6367	8.32421	80.39530	6406	8.32650	80.39740	6445	8.32775	80.39850	6484	8.33015	80.39960
6368	8.32422	80.39530	6407	8.32657	80.39740	6446	8.32777	80.39850	6485	8.33029	80.39950
6369	8.32423	80.39530	6408	8.32657	80.39740	6447	8.32783	80.39860	6486	8.33036	80.39950
6370	8.32425	80.39530	6409	8.32659	80.39750	6448	8.32784	80.39860	6487	8.33037	80.39950
6371	8.32435	80.39540	6410	8.32661	80.39750	6449	8.32787	80.39860	6488	8.33037	80.39950
6372	8.32436	80.39540	6411	8.32664	80.39750	6450	8.32789	80.39870	6489	8.33055	80.39950
6373	8.32438	80.39540	6412	8.32665	80.39750	6451	8.32795	80.39870	6490	8.33058	80.39950
6374	8.32461	80.39550	6413	8.32672	80.39760	6452	8.32796	80.39870	6491	8.33061	80.39950
6375	8.32463	80.39550	6414	8.32674	80.39760	6453	8.32797	80.39870	6492	8.33078	80.39940
6376	8.32466	80.39550	6415	8.32676	80.39760	6454	8.32805	80.39880	6493	8.33111	80.39940
6377	8.32469	80.39550	6416	8.32681	80.39770	6455	8.32806	80.39880	6494	8.33112	80.39940
6378	8.32473	80.39550	6417	8.32684	80.39770	6456	8.32808	80.39880	6495	8.33116	80.39940
6379	8.32473	80.39550	6418	8.32687	80.39770	6457	8.32817	80.39880	6496	8.33119	80.39940
6380	8.32483	80.39560	6419	8.32692	80.39780	6458	8.32818	80.39890	6497	8.33122	80.39940
6381	8.32487	80.39560	6420	8.32693	80.39780	6459	8.32826	80.39890	6498	8.33123	80.39940
6382	8.32494	80.39560	6421	8.32696	80.39780	6460	8.32831	80.39890	6499	8.33138	80.39940
6383	8.32501	80.39560	6422	8.32697	80.39780	6461	8.32833	80.39890	6500	8.33147	80.39940
6384	8.32506	80.39570	6423	8.32705	80.39790	6462	8.32867	80.39910	6501	8.33148	80.39940
6385	8.32512	80.39570	6424	8.32705	80.39790	6463	8.32868	80.39910	6502	8.33149	80.39940
6386	8.32512	80.39570	6425	8.32708	80.39790	6464	8.32869	80.39920	6503	8.33155	80.39950
6387	8.32526	80.39580	6426	8.32711	80.39790	6465	8.32885	80.39920	6504	8.33156	80.39950
6388	8.32545	80.39590	6427	8.32714	80.39800	6466	8.32886	80.39930	6505	8.33159	80.39950
6389	8.32561	80.39610	6428	8.32717	80.39800	6467	8.32910	80.39940	6506	8.33161	80.39950
6390	8.32586	80.39640	6429	8.32725	80.39800	6468	8.32911	80.39940	6507	8.33164	80.39950
6391	8.32587	80.39640	6430	8.32725	80.39800	6469	8.32914	80.39940	6508	8.33167	80.39960
6392	8.32600	80.39660	6431	8.32728	80.39800	6470	8.32916	80.39940	6509	8.33170	80.39960
6393	8.32600	80.39660	6432	8.32729	80.39800	6471	8.32926	80.39940	6510	8.33174	80.39960

6511	8.33175	80.39960	6550	8.33268	80.40090	6589	8.33353	80.40200	6628	8.33461	80.40330
6512	8.33180	80.39960	6551	8.33270	80.40090	6590	8.33359	80.40200	6629	8.33464	80.40340
6513	8.33181	80.39960	6552	8.33271	80.40090	6591	8.33361	80.40200	6630	8.33465	80.40340
6514	8.33201	80.39970	6553	8.33275	80.40100	6592	8.33362	80.40200	6631	8.33467	80.40340
6515	8.33202	80.39970	6554	8.33277	80.40100	6593	8.33367	80.40210	6632	8.33471	80.40350
6516	8.33206	80.39970	6555	8.33279	80.40100	6594	8.33368	80.40210	6633	8.33474	80.40350
6517	8.33208	80.39970	6556	8.33281	80.40100	6595	8.33375	80.40210	6634	8.33478	80.40360
6518	8.33213	80.39970	6557	8.33284	80.40110	6596	8.33375	80.40220	6635	8.33479	80.40360
6519	8.33213	80.39970	6558	8.33287	80.40110	6597	8.33376	80.40220	6636	8.33479	80.40360
6520	8.33213	80.39970	6559	8.33289	80.40110	6598	8.33383	80.40220	6637	8.33483	80.40370
6521	8.33214	80.39980	6560	8.33291	80.40110	6599	8.33385	80.40220	6638	8.33484	80.40370
6522	8.33215	80.39980	6561	8.33293	80.40110	6600	8.33392	80.40230	6639	8.33487	80.40380
6523	8.33219	80.39990	6562	8.33296	80.40120	6601	8.33392	80.40230	6640	8.33490	80.40380
6524	8.33224	80.40000	6563	8.33297	80.40120	6602	8.33395	80.40230	6641	8.33491	80.40380
6525	8.33225	80.40000	6564	8.33298	80.40120	6603	8.33396	80.40230	6642	8.33495	80.40390
6526	8.33226	80.40000	6565	8.33303	80.40130	6604	8.33400	80.40240	6643	8.33495	80.40390
6527	8.33228	80.40010	6566	8.33303	80.40130	6605	8.33403	80.40240	6644	8.33495	80.40390
6528	8.33230	80.40010	6567	8.33304	80.40140	6606	8.33407	80.40250	6645	8.33499	80.40400
6529	8.33231	80.40010	6568	8.33307	80.40140	6607	8.33417	80.40260	6646	8.33501	80.40400
6530	8.33235	80.40020	6569	8.33308	80.40140	6608	8.33420	80.40260	6647	8.33505	80.40410
6531	8.33235	80.40020	6570	8.33309	80.40140	6609	8.33420	80.40260	6648	8.33508	80.40410
6532	8.33241	80.40030	6571	8.33310	80.40150	6610	8.33424	80.40270	6649	8.33511	80.40420
6533	8.33242	80.40030	6572	8.33310	80.40150	6611	8.33427	80.40280	6650	8.33511	80.40420
6534	8.33243	80.40030	6573	8.33314	80.40160	6612	8.33429	80.40280	6651	8.33512	80.40420
6535	8.33244	80.40040	6574	8.33315	80.40160	6613	8.33430	80.40280	6652	8.33517	80.40430
6536	8.33245	80.40040	6575	8.33317	80.40160	6614	8.33436	80.40290	6653	8.33518	80.40430
6537	8.33249	80.40050	6576	8.33319	80.40160	6615	8.33437	80.40290	6654	8.33519	80.40430
6538	8.33250	80.40050	6577	8.33321	80.40170	6616	8.33437	80.40290	6655	8.33522	80.40440
6539	8.33252	80.40050	6578	8.33329	80.40180	6617	8.33442	80.40300	6656	8.33523	80.40440
6540	8.33253	80.40050	6579	8.33330	80.40180	6618	8.33444	80.40300	6657	8.33531	80.40450
6541	8.33254	80.40060	6580	8.33332	80.40180	6619	8.33445	80.40300	6658	8.33531	80.40450
6542	8.33256	80.40060	6581	8.33335	80.40180	6620	8.33446	80.40310	6659	8.33534	80.40450
6543	8.33258	80.40070	6582	8.33339	80.40190	6621	8.33447	80.40310	6660	8.33535	80.40450
6544	8.33259	80.40070	6583	8.33339	80.40190	6622	8.33448	80.40310	6661	8.33544	80.40460
6545	8.33260	80.40070	6584	8.33343	80.40190	6623	8.33448	80.40310	6662	8.33545	80.40460
6546	8.33261	80.40080	6585	8.33343	80.40190	6624	8.33450	80.40310	6663	8.33547	80.40460
6547	8.33262	80.40080	6586	8.33346	80.40190	6625	8.33450	80.40310	6664	8.33550	80.40460
6548	8.33264	80.40080	6587	8.33348	80.40190	6626	8.33457	80.40320	6665	8.33553	80.40470
6549	8.33266	80.40090	6588	8.33352	80.40190	6627	8.33457	80.40320	6666	8.33556	80.40470

6667	8.33562	80.40470	6706	8.33723	80.40510	6745	8.33901	80.40540	6784	8.34032	80.40620
6668	8.33567	80.40470	6707	8.33731	80.40510	6746	8.33907	80.40540	6785	8.34035	80.40620
6669	8.33569	80.40480	6708	8.33732	80.40510	6747	8.33913	80.40550	6786	8.34038	80.40620
6670	8.33572	80.40480	6709	8.33732	80.40510	6748	8.33920	80.40550	6787	8.34041	80.40620
6671	8.33580	80.40480	6710	8.33740	80.40510	6749	8.33923	80.40550	6788	8.34043	80.40620
6672	8.33580	80.40480	6711	8.33743	80.40510	6750	8.33928	80.40550	6789	8.34044	80.40620
6673	8.33584	80.40480	6712	8.33747	80.40510	6751	8.33929	80.40550	6790	8.34051	80.40630
6674	8.33584	80.40480	6713	8.33751	80.40510	6752	8.33930	80.40550	6791	8.34053	80.40630
6675	8.33591	80.40490	6714	8.33757	80.40510	6753	8.33939	80.40560	6792	8.34056	80.40630
6676	8.33598	80.40490	6715	8.33763	80.40510	6754	8.33940	80.40560	6793	8.34059	80.40630
6677	8.33600	80.40490	6716	8.33769	80.40520	6755	8.33944	80.40560	6794	8.34062	80.40630
6678	8.33601	80.40490	6717	8.33771	80.40520	6756	8.33945	80.40560	6795	8.34074	80.40630
6679	8.33610	80.40490	6718	8.33775	80.40520	6757	8.33953	80.40560	6796	8.34074	80.40630
6680	8.33618	80.40500	6719	8.33777	80.40520	6758	8.33959	80.40560	6797	8.34075	80.40640
6681	8.33619	80.40500	6720	8.33784	80.40520	6759	8.33961	80.40560	6798	8.34077	80.40640
6682	8.33626	80.40500	6721	8.33786	80.40520	6760	8.33964	80.40570	6799	8.34080	80.40640
6683	8.33634	80.40500	6722	8.33790	80.40520	6761	8.33965	80.40570	6800	8.34082	80.40640
6684	8.33636	80.40500	6723	8.33792	80.40520	6762	8.33967	80.40570	6801	8.34097	80.40640
6685	8.33637	80.40500	6724	8.33800	80.40520	6763	8.33969	80.40570	6802	8.34097	80.40640
6686	8.33646	80.40510	6725	8.33806	80.40520	6764	8.33972	80.40570	6803	8.34125	80.40650
6687	8.33649	80.40510	6726	8.33813	80.40520	6765	8.33975	80.40570	6804	8.34135	80.40650
6688	8.33652	80.40510	6727	8.33818	80.40520	6766	8.33977	80.40570	6805	8.34148	80.40650
6689	8.33654	80.40510	6728	8.33824	80.40520	6767	8.33988	80.40580	6806	8.34149	80.40660
6690	8.33662	80.40510	6729	8.33830	80.40530	6768	8.33989	80.40580	6807	8.34149	80.40660
6691	8.33664	80.40510	6730	8.33839	80.40530	6769	8.33992	80.40580	6808	8.34152	80.40660
6692	8.33667	80.40510	6731	8.33840	80.40530	6770	8.33993	80.40580	6809	8.34152	80.40660
6693	8.33677	80.40510	6732	8.33841	80.40530	6771	8.33995	80.40580	6810	8.34160	80.40670
6694	8.33677	80.40510	6733	8.33849	80.40530	6772	8.33997	80.40580	6811	8.34162	80.40670
6695	8.33687	80.40510	6734	8.33851	80.40530	6773	8.33999	80.40580	6812	8.34165	80.40670
6696	8.33687	80.40510	6735	8.33857	80.40530	6774	8.34005	80.40590	6813	8.34169	80.40680
6697	8.33695	80.40510	6736	8.33863	80.40530	6775	8.34006	80.40590	6814	8.34170	80.40680
6698	8.33695	80.40510	6737	8.33870	80.40530	6776	8.34006	80.40590	6815	8.34173	80.40680
6699	8.33703	80.40510	6738	8.33872	80.40540	6777	8.34011	80.40600	6816	8.34175	80.40680
6700	8.33703	80.40510	6739	8.33873	80.40540	6778	8.34015	80.40600	6817	8.34177	80.40680
6701	8.33707	80.40510	6740	8.33881	80.40540	6779	8.34017	80.40600	6818	8.34185	80.40690
6702	8.33709	80.40510	6741	8.33882	80.40540	6780	8.34019	80.40600	6819	8.34186	80.40690
6703	8.33710	80.40510	6742	8.33892	80.40540	6781	8.34020	80.40610	6820	8.34188	80.40690
6704	8.33720	80.40510	6743	8.33893	80.40540	6782	8.34027	80.40610	6821	8.34198	80.40700
6705	8.33720	80.40510	6744	8.33893	80.40540	6783	8.34029	80.40610	6822	8.34200	80.40700

6823	8.34201	80.40700	6862	8.34287	80.40800	6901	8.34457	80.40790	6940	8.34533	80.40870
6824	8.34203	80.40700	6863	8.34291	80.40800	6902	8.34459	80.40790	6941	8.34535	80.40870
6825	8.34204	80.40700	6864	8.34294	80.40800	6903	8.34468	80.40780	6942	8.34537	80.40880
6826	8.34205	80.40710	6865	8.34295	80.40800	6904	8.34470	80.40780	6943	8.34539	80.40880
6827	8.34206	80.40710	6866	8.34299	80.40800	6905	8.34473	80.40780	6944	8.34542	80.40880
6828	8.34206	80.40710	6867	8.34299	80.40800	6906	8.34476	80.40780	6945	8.34542	80.40880
6829	8.34207	80.40710	6868	8.34302	80.40800	6907	8.34486	80.40780	6946	8.34550	80.40890
6830	8.34209	80.40720	6869	8.34309	80.40800	6908	8.34492	80.40780	6947	8.34552	80.40890
6831	8.34209	80.40720	6870	8.34311	80.40800	6909	8.34493	80.40780	6948	8.34555	80.40900
6832	8.34212	80.40720	6871	8.34314	80.40800	6910	8.34494	80.40780	6949	8.34555	80.40900
6833	8.34213	80.40720	6872	8.34317	80.40810	6911	8.34495	80.40780	6950	8.34564	80.40900
6834	8.34215	80.40730	6873	8.34326	80.40810	6912	8.34500	80.40790	6951	8.34566	80.40900
6835	8.34215	80.40730	6874	8.34326	80.40810	6913	8.34500	80.40790	6952	8.34569	80.40910
6836	8.34219	80.40730	6875	8.34326	80.40810	6914	8.34502	80.40800	6953	8.34573	80.40910
6837	8.34221	80.40740	6876	8.34337	80.40810	6915	8.34504	80.40800	6954	8.34576	80.40910
6838	8.34223	80.40740	6877	8.34337	80.40810	6916	8.34507	80.40800	6955	8.34579	80.40910
6839	8.34233	80.40750	6878	8.34345	80.40810	6917	8.34508	80.40800	6956	8.34579	80.40910
6840	8.34233	80.40750	6879	8.34346	80.40810	6918	8.34508	80.40800	6957	8.34587	80.40910
6841	8.34236	80.40750	6880	8.34355	80.40810	6919	8.34508	80.40800	6958	8.34588	80.40910
6842	8.34238	80.40760	6881	8.34358	80.40810	6920	8.34508	80.40800	6959	8.34593	80.40920
6843	8.34240	80.40760	6882	8.34358	80.40810	6921	8.34510	80.40810	6960	8.34594	80.40920
6844	8.34245	80.40760	6883	8.34367	80.40810	6922	8.34510	80.40810	6961	8.34597	80.40920
6845	8.34249	80.40770	6884	8.34369	80.40810	6923	8.34514	80.40810	6962	8.34600	80.40920
6846	8.34250	80.40770	6885	8.34373	80.40810	6924	8.34516	80.40820	6963	8.34609	80.40920
6847	8.34251	80.40770	6886	8.34377	80.40810	6925	8.34516	80.40820	6964	8.34610	80.40920
6848	8.34255	80.40770	6887	8.34380	80.40810	6926	8.34518	80.40820	6965	8.34613	80.40920
6849	8.34255	80.40770	6888	8.34383	80.40800	6927	8.34519	80.40820	6966	8.34615	80.40930
6850	8.34256	80.40780	6889	8.34387	80.40800	6928	8.34519	80.40830	6967	8.34624	80.40930
6851	8.34256	80.40780	6890	8.34390	80.40800	6929	8.34519	80.40830	6968	8.34626	80.40930
6852	8.34258	80.40780	6891	8.34391	80.40800	6930	8.34520	80.40830	6969	8.34629	80.40930
6853	8.34261	80.40780	6892	8.34400	80.40800	6931	8.34520	80.40830	6970	8.34630	80.40930
6854	8.34263	80.40780	6893	8.34403	80.40790	6932	8.34522	80.40840	6971	8.34640	80.40930
6855	8.34266	80.40790	6894	8.34411	80.40790	6933	8.34523	80.40850	6972	8.34647	80.40930
6856	8.34269	80.40790	6895	8.34412	80.40790	6934	8.34524	80.40850	6973	8.34648	80.40930
6857	8.34272	80.40790	6896	8.34421	80.40790	6935	8.34525	80.40850	6974	8.34651	80.40930
6858	8.34275	80.40790	6897	8.34431	80.40790	6936	8.34526	80.40860	6975	8.34651	80.40930
6859	8.34278	80.40790	6898	8.34439	80.40790	6937	8.34527	80.40860	6976	8.34654	80.40930
6860	8.34281	80.40800	6899	8.34447	80.40790	6938	8.34531	80.40870	6977	8.34656	80.40930
6861	8.34284	80.40800	6900	8.34456	80.40790	6939	8.34531	80.40870	6978	8.34659	80.40940

6979	8.34660	80.40940	7018	8.34817	80.41040	7057	8.35002	80.41070	7096	8.35196	80.40980
6980	8.34663	80.40940	7019	8.34818	80.41040	7058	8.35002	80.41070	7097	8.35203	80.40970
6981	8.34664	80.40940	7020	8.34821	80.41040	7059	8.35023	80.41070	7098	8.35203	80.40970
6982	8.34669	80.40940	7021	8.34824	80.41040	7060	8.35025	80.41070	7099	8.35207	80.40970
6983	8.34673	80.40950	7022	8.34825	80.41040	7061	8.35029	80.41060	7100	8.35209	80.40970
6984	8.34680	80.40950	7023	8.34835	80.41050	7062	8.35031	80.41060	7101	8.35210	80.40970
6985	8.34681	80.40950	7024	8.34837	80.41050	7063	8.35040	80.41060	7102	8.35213	80.40970
6986	8.34682	80.40950	7025	8.34841	80.41050	7064	8.35041	80.41060	7103	8.35214	80.40970
6987	8.34689	80.40960	7026	8.34852	80.41050	7065	8.35044	80.41060	7104	8.35221	80.40960
6988	8.34696	80.40960	7027	8.34852	80.41050	7066	8.35048	80.41060	7105	8.35222	80.40960
6989	8.34697	80.40960	7028	8.34866	80.41050	7067	8.35051	80.41060	7106	8.35223	80.40960
6990	8.34706	80.40970	7029	8.34866	80.41050	7068	8.35054	80.41060	7107	8.35225	80.40960
6991	8.34707	80.40970	7030	8.34866	80.41050	7069	8.35063	80.41050	7108	8.35226	80.40960
6992	8.34712	80.40970	7031	8.34877	80.41050	7070	8.35063	80.41050	7109	8.35229	80.40960
6993	8.34718	80.40980	7032	8.34877	80.41050	7071	8.35063	80.41050	7110	8.35233	80.40950
6994	8.34718	80.40980	7033	8.34879	80.41050	7072	8.35072	80.41050	7111	8.35236	80.40950
6995	8.34718	80.40980	7034	8.34888	80.41050	7073	8.35074	80.41050	7112	8.35239	80.40950
6996	8.34726	80.40980	7035	8.34895	80.41050	7074	8.35081	80.41040	7113	8.35242	80.40950
6997	8.34732	80.40990	7036	8.34901	80.41050	7075	8.35082	80.41040	7114	8.35243	80.40950
6998	8.34736	80.40990	7037	8.34908	80.41050	7076	8.35082	80.41040	7115	8.35248	80.40940
6999	8.34742	80.41000	7038	8.34917	80.41050	7077	8.35091	80.41040	7116	8.35249	80.40940
7000	8.34744	80.41000	7039	8.34918	80.41050	7078	8.35093	80.41040	7117	8.35252	80.40940
7001	8.34745	80.41000	7040	8.34922	80.41050	7079	8.35098	80.41030	7118	8.35253	80.40940
7002	8.34751	80.41000	7041	8.34922	80.41050	7080	8.35100	80.41030	7119	8.35259	80.40940
7003	8.34753	80.41010	7042	8.34930	80.41060	7081	8.35107	80.41030	7120	8.35262	80.40940
7004	8.34756	80.41010	7043	8.34937	80.41060	7082	8.35107	80.41030	7121	8.35264	80.40930
7005	8.34756	80.41010	7044	8.34942	80.41060	7083	8.35111	80.41030	7122	8.35265	80.40930
7006	8.34764	80.41010	7045	8.34949	80.41060	7084	8.35112	80.41030	7123	8.35271	80.40930
7007	8.34771	80.41020	7046	8.34951	80.41060	7085	8.35119	80.41020	7124	8.35273	80.40930
7008	8.34772	80.41020	7047	8.34961	80.41060	7086	8.35126	80.41020	7125	8.35276	80.40920
7009	8.34774	80.41020	7048	8.34963	80.41060	7087	8.35134	80.41020	7126	8.35278	80.40920
7010	8.34782	80.41020	7049	8.34966	80.41060	7088	8.35136	80.41020	7127	8.35280	80.40920
7011	8.34790	80.41030	7050	8.34976	80.41060	7089	8.35138	80.41020	7128	8.35285	80.40910
7012	8.34792	80.41030	7051	8.34976	80.41060	7090	8.35161	80.41000	7129	8.35289	80.40910
7013	8.34795	80.41030	7052	8.34980	80.41060	7091	8.35163	80.41000	7130	8.35295	80.40900
7014	8.34798	80.41030	7053	8.34980	80.41060	7092	8.35166	80.41000	7131	8.35298	80.40900
7015	8.34799	80.41030	7054	8.34989	80.41070	7093	8.35167	80.41000	7132	8.35303	80.40900
7016	8.34808	80.41040	7055	8.34990	80.41070	7094	8.35194	80.40980	7133	8.35304	80.40900
7017	8.34810	80.41040	7056	8.34999	80.41070	7095	8.35195	80.40980	7134	8.35306	80.40890

7135	8.35307	80.40890	7174	8.35439	80.40770	7213	8.35542	80.40790	7252	8.35692	80.40850
7136	8.35309	80.40890	7175	8.35439	80.40770	7214	8.35544	80.40800	7253	8.35699	80.40860
7137	8.35310	80.40890	7176	8.35441	80.40760	7215	8.35550	80.40800	7254	8.35699	80.40860
7138	8.35313	80.40890	7177	8.35443	80.40760	7216	8.35550	80.40800	7255	8.35700	80.40860
7139	8.35313	80.40890	7178	8.35444	80.40760	7217	8.35550	80.40800	7256	8.35705	80.40860
7140	8.35320	80.40880	7179	8.35446	80.40750	7218	8.35556	80.40810	7257	8.35706	80.40870
7141	8.35323	80.40880	7180	8.35447	80.40750	7219	8.35558	80.40810	7258	8.35708	80.40870
7142	8.35325	80.40880	7181	8.35447	80.40750	7220	8.35561	80.40810	7259	8.35715	80.40880
7143	8.35328	80.40870	7182	8.35449	80.40740	7221	8.35564	80.40820	7260	8.35715	80.40880
7144	8.35329	80.40870	7183	8.35451	80.40730	7222	8.35567	80.40820	7261	8.35718	80.40880
7145	8.35334	80.40870	7184	8.35451	80.40730	7223	8.35570	80.40820	7262	8.35721	80.40880
7146	8.35334	80.40870	7185	8.35452	80.40730	7224	8.35571	80.40820	7263	8.35724	80.40880
7147	8.35338	80.40860	7186	8.35454	80.40720	7225	8.35579	80.40820	7264	8.35724	80.40880
7148	8.35341	80.40860	7187	8.35458	80.40720	7226	8.35581	80.40820	7265	8.35731	80.40890
7149	8.35344	80.40860	7188	8.35463	80.40720	7227	8.35582	80.40820	7266	8.35733	80.40890
7150	8.35351	80.40850	7189	8.35467	80.40710	7228	8.35591	80.40830	7267	8.35734	80.40890
7151	8.35351	80.40850	7190	8.35468	80.40710	7229	8.35594	80.40830	7268	8.35742	80.40890
7152	8.35354	80.40850	7191	8.35471	80.40710	7230	8.35594	80.40830	7269	8.35744	80.40900
7153	8.35357	80.40850	7192	8.35479	80.40720	7231	8.35601	80.40830	7270	8.35751	80.40900
7154	8.35360	80.40840	7193	8.35480	80.40720	7232	8.35605	80.40830	7271	8.35761	80.40900
7155	8.35362	80.40840	7194	8.35483	80.40720	7233	8.35608	80.40830	7272	8.35762	80.40900
7156	8.35372	80.40830	7195	8.35483	80.40720	7234	8.35608	80.40830	7273	8.35765	80.40910
7157	8.35372	80.40830	7196	8.35490	80.40720	7235	8.35618	80.40840	7274	8.35767	80.40910
7158	8.35375	80.40830	7197	8.35491	80.40720	7236	8.35625	80.40840	7275	8.35779	80.40910
7159	8.35378	80.40830	7198	8.35491	80.40720	7237	8.35625	80.40840	7276	8.35780	80.40910
7160	8.35378	80.40830	7199	8.35495	80.40730	7238	8.35627	80.40840	7277	8.35783	80.40910
7161	8.35391	80.40820	7200	8.35496	80.40730	7239	8.35636	80.40840	7278	8.35787	80.40910
7162	8.35396	80.40810	7201	8.35498	80.40730	7240	8.35637	80.40840	7279	8.35787	80.40910
7163	8.35400	80.40810	7202	8.35512	80.40750	7241	8.35645	80.40840	7280	8.35795	80.40910
7164	8.35405	80.40810	7203	8.35515	80.40750	7242	8.35651	80.40840	7281	8.35796	80.40910
7165	8.35405	80.40810	7204	8.35515	80.40750	7243	8.35651	80.40840	7282	8.35802	80.40920
7166	8.35408	80.40800	7205	8.35517	80.40760	7244	8.35651	80.40840	7283	8.35805	80.40920
7167	8.35409	80.40800	7206	8.35521	80.40760	7245	8.35659	80.40840	7284	8.35808	80.40920
7168	8.35415	80.40800	7207	8.35526	80.40770	7246	8.35666	80.40840	7285	8.35809	80.40920
7169	8.35417	80.40800	7208	8.35532	80.40780	7247	8.35671	80.40850	7286	8.35810	80.40920
7170	8.35419	80.40790	7209	8.35532	80.40780	7248	8.35676	80.40850	7287	8.35812	80.40920
7171	8.35422	80.40790	7210	8.35537	80.40790	7249	8.35683	80.40850	7288	8.35814	80.40920
7172	8.35424	80.40790	7211	8.35537	80.40790	7250	8.35683	80.40850	7289	8.35817	80.40930
7173	8.35425	80.40790	7212	8.35539	80.40790	7251	8.35684	80.40850	7290	8.35818	80.40930

7291	8.35818	80.40930	7330	8.35899	80.41030	7369	8.35976	80.41140	7408	8.36125	80.41130
7292	8.35818	80.40930	7331	8.35899	80.41030	7370	8.35979	80.41140	7409	8.36125	80.41130
7293	8.35819	80.40940	7332	8.35900	80.41040	7371	8.35983	80.41140	7410	8.36129	80.41130
7294	8.35822	80.40950	7333	8.35900	80.41040	7372	8.35984	80.41140	7411	8.36132	80.41130
7295	8.35822	80.40950	7334	8.35900	80.41040	7373	8.35993	80.41140	7412	8.36135	80.41120
7296	8.35823	80.40950	7335	8.35900	80.41040	7374	8.35995	80.41140	7413	8.36135	80.41120
7297	8.35824	80.40960	7336	8.35900	80.41050	7375	8.35997	80.41150	7414	8.36137	80.41130
7298	8.35826	80.40960	7337	8.35901	80.41050	7376	8.35999	80.41150	7415	8.36140	80.41130
7299	8.35827	80.40960	7338	8.35901	80.41050	7377	8.36003	80.41150	7416	8.36142	80.41130
7300	8.35829	80.40960	7339	8.35902	80.41060	7378	8.36005	80.41150	7417	8.36143	80.41130
7301	8.35831	80.40970	7340	8.35903	80.41060	7379	8.36009	80.41150	7418	8.36149	80.41140
7302	8.35833	80.40970	7341	8.35903	80.41060	7380	8.36012	80.41150	7419	8.36150	80.41140
7303	8.35839	80.40980	7342	8.35904	80.41070	7381	8.36015	80.41150	7420	8.36153	80.41140
7304	8.35840	80.40980	7343	8.35906	80.41070	7382	8.36019	80.41150	7421	8.36154	80.41140
7305	8.35842	80.40980	7344	8.35907	80.41080	7383	8.36022	80.41150	7422	8.36160	80.41150
7306	8.35845	80.40980	7345	8.35908	80.41080	7384	8.36026	80.41150	7423	8.36162	80.41150
7307	8.35847	80.40980	7346	8.35912	80.41090	7385	8.36034	80.41150	7424	8.36170	80.41150
7308	8.35854	80.40990	7347	8.35912	80.41090	7386	8.36034	80.41150	7425	8.36170	80.41150
7309	8.35855	80.40990	7348	8.35913	80.41090	7387	8.36035	80.41150	7426	8.36173	80.41160
7310	8.35858	80.40990	7349	8.35915	80.41100	7388	8.36043	80.41150	7427	8.36178	80.41160
7311	8.35861	80.41000	7350	8.35917	80.41100	7389	8.36045	80.41150	7428	8.36181	80.41160
7312	8.35864	80.41000	7351	8.35919	80.41100	7390	8.36049	80.41150	7429	8.36186	80.41170
7313	8.35868	80.41000	7352	8.35920	80.41100	7391	8.36052	80.41150	7430	8.36189	80.41170
7314	8.35871	80.41000	7353	8.35926	80.41110	7392	8.36056	80.41150	7431	8.36190	80.41170
7315	8.35874	80.41000	7354	8.35927	80.41110	7393	8.36057	80.41150	7432	8.36191	80.41170
7316	8.35876	80.41000	7355	8.35929	80.41110	7394	8.36065	80.41150	7433	8.36192	80.41180
7317	8.35885	80.41000	7356	8.35931	80.41120	7395	8.36067	80.41150	7434	8.36194	80.41180
7318	8.35887	80.41000	7357	8.35938	80.41120	7396	8.36068	80.41150	7435	8.36195	80.41180
7319	8.35887	80.41000	7358	8.35939	80.41120	7397	8.36076	80.41150	7436	8.36196	80.41190
7320	8.35889	80.41000	7359	8.35941	80.41120	7398	8.36077	80.41150	7437	8.36197	80.41190
7321	8.35890	80.41010	7360	8.35944	80.41130	7399	8.36079	80.41150	7438	8.36200	80.41200
7322	8.35890	80.41010	7361	8.35946	80.41130	7400	8.36087	80.41140	7439	8.36201	80.41200
7323	8.35890	80.41010	7362	8.35953	80.41130	7401	8.36089	80.41140	7440	8.36202	80.41200
7324	8.35891	80.41010	7363	8.35955	80.41130	7402	8.36089	80.41140	7441	8.36204	80.41200
7325	8.35894	80.41020	7364	8.35958	80.41140	7403	8.36097	80.41140	7442	8.36205	80.41210
7326	8.35894	80.41020	7365	8.35961	80.41140	7404	8.36105	80.41140	7443	8.36211	80.41210
7327	8.35894	80.41020	7366	8.35961	80.41140	7405	8.36107	80.41140	7444	8.36212	80.41210
7328	8.35897	80.41030	7367	8.35969	80.41140	7406	8.36113	80.41130	7445	8.36214	80.41220
7329	8.35897	80.41030	7368	8.35972	80.41140	7407	8.36118	80.41130	7446	8.36216	80.41220

7447	8.36219	80.41220	7486	8.36351	80.41230	7525	8.36485	80.41230	7564	8.36660	80.41220
7448	8.36220	80.41220	7487	8.36354	80.41230	7526	8.36491	80.41230	7565	8.36660	80.41220
7449	8.36226	80.41230	7488	8.36358	80.41230	7527	8.36499	80.41230	7566	8.36668	80.41220
7450	8.36228	80.41230	7489	8.36361	80.41230	7528	8.36500	80.41230	7567	8.36671	80.41220
7451	8.36230	80.41230	7490	8.36364	80.41220	7529	8.36501	80.41230	7568	8.36672	80.41220
7452	8.36234	80.41230	7491	8.36365	80.41220	7530	8.36510	80.41230	7569	8.36681	80.41220
7453	8.36235	80.41230	7492	8.36372	80.41220	7531	8.36511	80.41230	7570	8.36683	80.41220
7454	8.36244	80.41240	7493	8.36374	80.41220	7532	8.36519	80.41230	7571	8.36684	80.41220
7455	8.36245	80.41240	7494	8.36376	80.41210	7533	8.36520	80.41230	7572	8.36692	80.41220
7456	8.36249	80.41240	7495	8.36377	80.41210	7534	8.36522	80.41230	7573	8.36694	80.41220
7457	8.36252	80.41240	7496	8.36380	80.41210	7535	8.36529	80.41230	7574	8.36698	80.41220
7458	8.36255	80.41240	7497	8.36383	80.41210	7536	8.36536	80.41230	7575	8.36701	80.41220
7459	8.36259	80.41240	7498	8.36384	80.41210	7537	8.36537	80.41230	7576	8.36702	80.41220
7460	8.36260	80.41240	7499	8.36387	80.41210	7538	8.36545	80.41230	7577	8.36711	80.41220
7461	8.36267	80.41250	7500	8.36388	80.41210	7539	8.36545	80.41230	7578	8.36714	80.41220
7462	8.36270	80.41250	7501	8.36395	80.41210	7540	8.36549	80.41230	7579	8.36717	80.41220
7463	8.36273	80.41250	7502	8.36397	80.41210	7541	8.36549	80.41230	7580	8.36720	80.41210
7464	8.36281	80.41250	7503	8.36399	80.41210	7542	8.36557	80.41230	7581	8.36724	80.41210
7465	8.36281	80.41250	7504	8.36406	80.41220	7543	8.36564	80.41230	7582	8.36724	80.41210
7466	8.36283	80.41250	7505	8.36407	80.41220	7544	8.36569	80.41230	7583	8.36728	80.41210
7467	8.36291	80.41250	7506	8.36412	80.41220	7545	8.36576	80.41230	7584	8.36729	80.41210
7468	8.36293	80.41250	7507	8.36412	80.41220	7546	8.36577	80.41230	7585	8.36735	80.41210
7469	8.36296	80.41250	7508	8.36415	80.41220	7547	8.36581	80.41230	7586	8.36742	80.41210
7470	8.36300	80.41250	7509	8.36415	80.41220	7548	8.36591	80.41230	7587	8.36744	80.41210
7471	8.36303	80.41250	7510	8.36418	80.41220	7549	8.36594	80.41230	7588	8.36746	80.41210
7472	8.36307	80.41250	7511	8.36421	80.41220	7550	8.36597	80.41230	7589	8.36754	80.41210
7473	8.36309	80.41240	7512	8.36430	80.41220	7551	8.36601	80.41230	7590	8.36757	80.41210
7474	8.36317	80.41240	7513	8.36430	80.41220	7552	8.36602	80.41230	7591	8.36757	80.41210
7475	8.36318	80.41240	7514	8.36434	80.41220	7553	8.36610	80.41230	7592	8.36765	80.41210
7476	8.36321	80.41240	7515	8.36438	80.41230	7554	8.36616	80.41220	7593	8.36772	80.41210
7477	8.36324	80.41240	7516	8.36439	80.41230	7555	8.36622	80.41220	7594	8.36778	80.41210
7478	8.36327	80.41240	7517	8.36448	80.41230	7556	8.36625	80.41220	7595	8.36784	80.41210
7479	8.36330	80.41240	7518	8.36448	80.41230	7557	8.36629	80.41220	7596	8.36792	80.41210
7480	8.36331	80.41240	7519	8.36458	80.41230	7558	8.36630	80.41220	7597	8.36793	80.41210
7481	8.36333	80.41230	7520	8.36466	80.41230	7559	8.36638	80.41220	7598	8.36801	80.41210
7482	8.36335	80.41230	7521	8.36467	80.41230	7560	8.36643	80.41220	7599	8.36802	80.41210
7483	8.36338	80.41230	7522	8.36468	80.41230	7561	8.36646	80.41220	7600	8.36806	80.41210
7484	8.36347	80.41230	7523	8.36476	80.41230	7562	8.36646	80.41220	7601	8.36809	80.41210
7485	8.36348	80.41230	7524	8.36476	80.41230	7563	8.36652	80.41220	7602	8.36813	80.41200

7603	8.36816	80.41200	7642	8.36994	80.41170	7681	8.37136	80.41180	7720	8.37253	80.41240
7604	8.36818	80.41200	7643	8.36995	80.41170	7682	8.37137	80.41180	7721	8.37253	80.41240
7605	8.36825	80.41200	7644	8.36996	80.41170	7683	8.37140	80.41180	7722	8.37263	80.41240
7606	8.36830	80.41200	7645	8.37004	80.41170	7684	8.37141	80.41180	7723	8.37264	80.41240
7607	8.36833	80.41200	7646	8.37007	80.41170	7685	8.37143	80.41180	7724	8.37273	80.41250
7608	8.36836	80.41200	7647	8.37007	80.41170	7686	8.37145	80.41180	7725	8.37274	80.41250
7609	8.36844	80.41200	7648	8.37012	80.41170	7687	8.37152	80.41190	7726	8.37283	80.41250
7610	8.36844	80.41200	7649	8.37015	80.41170	7688	8.37152	80.41190	7727	8.37284	80.41250
7611	8.36852	80.41200	7650	8.37021	80.41170	7689	8.37155	80.41190	7728	8.37286	80.41250
7612	8.36853	80.41200	7651	8.37026	80.41170	7690	8.37158	80.41190	7729	8.37295	80.41250
7613	8.36863	80.41200	7652	8.37031	80.41170	7691	8.37160	80.41200	7730	8.37297	80.41250
7614	8.36865	80.41200	7653	8.37036	80.41170	7692	8.37168	80.41200	7731	8.37297	80.41250
7615	8.36868	80.41200	7654	8.37037	80.41170	7693	8.37169	80.41200	7732	8.37306	80.41250
7616	8.36872	80.41200	7655	8.37045	80.41170	7694	8.37170	80.41200	7733	8.37306	80.41250
7617	8.36875	80.41200	7656	8.37047	80.41170	7695	8.37178	80.41210	7734	8.37315	80.41250
7618	8.36879	80.41200	7657	8.37050	80.41170	7696	8.37179	80.41210	7735	8.37317	80.41250
7619	8.36880	80.41200	7658	8.37054	80.41170	7697	8.37183	80.41210	7736	8.37322	80.41250
7620	8.36888	80.41200	7659	8.37060	80.41170	7698	8.37183	80.41210	7737	8.37325	80.41250
7621	8.36890	80.41190	7660	8.37069	80.41170	7699	8.37187	80.41210	7738	8.37333	80.41260
7622	8.36893	80.41190	7661	8.37070	80.41170	7700	8.37189	80.41210	7739	8.37341	80.41260
7623	8.36897	80.41190	7662	8.37073	80.41170	7701	8.37192	80.41210	7740	8.37349	80.41260
7624	8.36897	80.41190	7663	8.37077	80.41170	7702	8.37192	80.41210	7741	8.37349	80.41260
7625	8.36900	80.41190	7664	8.37080	80.41170	7703	8.37208	80.41220	7742	8.37350	80.41260
7626	8.36903	80.41190	7665	8.37081	80.41170	7704	8.37209	80.41220	7743	8.37353	80.41260
7627	8.36910	80.41190	7666	8.37086	80.41170	7705	8.37209	80.41220	7744	8.37356	80.41270
7628	8.36910	80.41190	7667	8.37087	80.41170	7706	8.37211	80.41220	7745	8.37357	80.41270
7629	8.36918	80.41190	7668	8.37090	80.41170	7707	8.37218	80.41230	7746	8.37358	80.41270
7630	8.36924	80.41180	7669	8.37091	80.41170	7708	8.37219	80.41230	7747	8.37364	80.41270
7631	8.36931	80.41180	7670	8.37099	80.41170	7709	8.37222	80.41230	7748	8.37366	80.41280
7632	8.36940	80.41180	7671	8.37100	80.41170	7710	8.37225	80.41230	7749	8.37369	80.41280
7633	8.36940	80.41180	7672	8.37103	80.41170	7711	8.37228	80.41230	7750	8.37372	80.41280
7634	8.36943	80.41180	7673	8.37107	80.41170	7712	8.37230	80.41230	7751	8.37374	80.41280
7635	8.36944	80.41180	7674	8.37108	80.41170	7713	8.37239	80.41240	7752	8.37382	80.41290
7636	8.36952	80.41180	7675	8.37117	80.41170	7714	8.37241	80.41240	7753	8.37382	80.41290
7637	8.36959	80.41180	7676	8.37122	80.41170	7715	8.37244	80.41240	7754	8.37385	80.41290
7638	8.36964	80.41180	7677	8.37123	80.41170	7716	8.37244	80.41240	7755	8.37389	80.41290
7639	8.36971	80.41170	7678	8.37127	80.41180	7717	8.37246	80.41240	7756	8.37392	80.41290
7640	8.36980	80.41170	7679	8.37134	80.41180	7718	8.37247	80.41240	7757	8.37393	80.41290
7641	8.36987	80.41170	7680	8.37136	80.41180	7719	8.37247	80.41240	7758	8.37402	80.41290

7759	8.37405	80.41290	7798	8.37555	80.41330	7837	8.37726	80.41290	7876	8.37897	80.41310
7760	8.37406	80.41290	7799	8.37555	80.41330	7838	8.37727	80.41290	7877	8.37901	80.41310
7761	8.37414	80.41300	7800	8.37559	80.41330	7839	8.37729	80.41290	7878	8.37904	80.41310
7762	8.37414	80.41300	7801	8.37559	80.41330	7840	8.37735	80.41290	7879	8.37906	80.41310
7763	8.37423	80.41300	7802	8.37567	80.41330	7841	8.37740	80.41290	7880	8.37915	80.41310
7764	8.37431	80.41300	7803	8.37569	80.41330	7842	8.37745	80.41290	7881	8.37917	80.41310
7765	8.37432	80.41300	7804	8.37578	80.41330	7843	8.37749	80.41290	7882	8.37920	80.41310
7766	8.37440	80.41300	7805	8.37578	80.41330	7844	8.37757	80.41290	7883	8.37921	80.41310
7767	8.37441	80.41300	7806	8.37582	80.41330	7845	8.37758	80.41290	7884	8.37927	80.41310
7768	8.37450	80.41310	7807	8.37583	80.41330	7846	8.37762	80.41290	7885	8.37932	80.41310
7769	8.37450	80.41310	7808	8.37592	80.41330	7847	8.37765	80.41290	7886	8.37933	80.41310
7770	8.37453	80.41310	7809	8.37594	80.41330	7848	8.37775	80.41290	7887	8.37943	80.41320
7771	8.37456	80.41310	7810	8.37595	80.41330	7849	8.37775	80.41290	7888	8.37944	80.41320
7772	8.37458	80.41310	7811	8.37603	80.41330	7850	8.37779	80.41290	7889	8.37945	80.41320
7773	8.37461	80.41310	7812	8.37603	80.41330	7851	8.37782	80.41290	7890	8.37949	80.41320
7774	8.37463	80.41310	7813	8.37613	80.41330	7852	8.37789	80.41290	7891	8.37961	80.41320
7775	8.37471	80.41310	7814	8.37615	80.41330	7853	8.37790	80.41290	7892	8.37963	80.41320
7776	8.37472	80.41310	7815	8.37619	80.41330	7854	8.37797	80.41280	7893	8.37963	80.41330
7777	8.37473	80.41310	7816	8.37621	80.41330	7855	8.37807	80.41280	7894	8.37984	80.41330
7778	8.37481	80.41310	7817	8.37630	80.41320	7856	8.37813	80.41280	7895	8.37990	80.41340
7779	8.37485	80.41310	7818	8.37631	80.41320	7857	8.37817	80.41280	7896	8.37992	80.41340
7780	8.37485	80.41310	7819	8.37633	80.41320	7858	8.37823	80.41280	7897	8.37995	80.41340
7781	8.37486	80.41310	7820	8.37638	80.41320	7859	8.37829	80.41280	7898	8.37999	80.41340
7782	8.37488	80.41310	7821	8.37641	80.41320	7860	8.37829	80.41280	7899	8.38002	80.41340
7783	8.37491	80.41310	7822	8.37647	80.41320	7861	8.37831	80.41280	7900	8.38006	80.41340
7784	8.37494	80.41320	7823	8.37653	80.41310	7862	8.37837	80.41280	7901	8.38009	80.41340
7785	8.37498	80.41320	7824	8.37660	80.41310	7863	8.37845	80.41290	7902	8.38012	80.41340
7786	8.37499	80.41320	7825	8.37667	80.41310	7864	8.37846	80.41290	7903	8.38023	80.41350
7787	8.37507	80.41320	7826	8.37676	80.41310	7865	8.37849	80.41290	7904	8.38023	80.41350
7788	8.37509	80.41320	7827	8.37686	80.41310	7866	8.37852	80.41290	7905	8.38027	80.41350
7789	8.37509	80.41320	7828	8.37686	80.41310	7867	8.37861	80.41290	7906	8.38030	80.41350
7790	8.37517	80.41320	7829	8.37689	80.41310	7868	8.37862	80.41290	7907	8.38034	80.41350
7791	8.37520	80.41320	7830	8.37691	80.41310	7869	8.37863	80.41290	7908	8.38037	80.41340
7792	8.37527	80.41330	7831	8.37700	80.41300	7870	8.37871	80.41290	7909	8.38041	80.41340
7793	8.37534	80.41330	7832	8.37707	80.41300	7871	8.37877	80.41300	7910	8.38044	80.41340
7794	8.37536	80.41330	7833	8.37709	80.41300	7872	8.37880	80.41300	7911	8.38047	80.41340
7795	8.37536	80.41330	7834	8.37712	80.41300	7873	8.37886	80.41300	7912	8.38051	80.41340
7796	8.37544	80.41330	7835	8.37718	80.41300	7874	8.37893	80.41300	7913	8.38054	80.41340
7797	8.37547	80.41330	7836	8.37722	80.41300	7875	8.37894	80.41300	7914	8.38057	80.41340

7915	8.38060	80.41330	7954	8.32391	80.39230	7993	8.32119	80.39020	8032	8.31491	80.39010
7916	8.38062	80.41330	7955	8.32390	80.39220	7994	8.32110	80.39010	8033	8.31488	80.39010
7917	8.38065	80.41330	7956	8.32389	80.39220	7995	8.32110	80.39010	8034	8.31485	80.39010
7918	8.38067	80.41330	7957	8.32386	80.39190	7996	8.32109	80.39010	8035	8.31429	80.39020
7919	8.38070	80.41320	7958	8.32385	80.39190	7997	8.32099	80.39010	8036	8.31424	80.39020
7920	8.38072	80.41320	7959	8.32385	80.39190	7998	8.32097	80.39010	8037	8.31424	80.39020
7921	8.38073	80.41320	7960	8.32384	80.39190	7999	8.32095	80.39010	8038	8.31421	80.39020
7922	8.38076	80.41320	7961	8.32378	80.39170	8000	8.32092	80.39010	8039	8.31417	80.39020
7923	8.38143	80.41340	7962	8.32378	80.39170	8001	8.32086	80.39010	8040	8.31414	80.39010
7924	8.38182	80.41360	7963	8.32377	80.39160	8002	8.32084	80.39010	8041	8.31412	80.39010
7925	8.38207	80.41390	7964	8.32376	80.39160	8003	8.32063	80.39010	8042	8.31411	80.39010
7926	8.38219	80.41430	7965	8.32373	80.39150	8004	8.32063	80.39010	8043	8.31407	80.39010
7927	8.38219	80.41430	7966	8.32372	80.39150	8005	8.32063	80.39010	8044	8.31404	80.39010
7928	8.38220	80.41430	7967	8.32370	80.39150	8006	8.32060	80.39010	8045	8.31400	80.39010
7929	8.38222	80.41440	7968	8.32368	80.39150	8007	8.32059	80.39010	8046	8.31396	80.39010
7930	8.38223	80.41440	7969	8.32368	80.39150	8008	8.32056	80.39010	8047	8.31393	80.39010
7931	8.38225	80.41440	7970	8.32363	80.39140	8009	8.32053	80.39010	8048	8.31389	80.39010
7932	8.38227	80.41450	7971	8.32361	80.39140	8010	8.32052	80.39010	8049	8.31389	80.39010
7933	8.38230	80.41450	7972	8.32351	80.39120	8011	8.32051	80.39010	8050	8.31389	80.39010
7934	8.38232	80.41450	7973	8.32351	80.39120	8012	8.32047	80.39010	8051	8.31387	80.39010
7935	8.38235	80.41450	7974	8.32349	80.39120	8013	8.32044	80.39010	8052	8.31378	80.39010
7936	8.38237	80.41460	7975	8.32346	80.39120	8014	8.32040	80.39010	8053	8.31376	80.39010
7937	8.38240	80.41460	7976	8.32333	80.39100	8015	8.32037	80.39010	8054	8.31375	80.39010
7938	8.38243	80.41460	7977	8.32333	80.39100	8016	8.32033	80.39010	8055	8.31357	80.39020
7939	8.38246	80.41460	7978	8.32330	80.39100	8017	8.32030	80.39010	8056	8.31356	80.39020
7940	8.38250	80.41460	7979	8.32328	80.39100	8018	8.32026	80.39010	8057	8.31352	80.39020
7941	8.38253	80.41460	7980	8.32326	80.39100	8019	8.32023	80.39010	8058	8.31350	80.39020
7942	8.38256	80.41470	7981	8.32319	80.39090	8020	8.32020	80.39020	8059	8.31328	80.39030
7943	8.38260	80.41470	7982	8.32318	80.39090	8021	8.32017	80.39020	8060	8.31327	80.39030
7944	8.38263	80.41470	7983	8.32316	80.39090	8022	8.32016	80.39020	8061	8.31327	80.39030
7945	8.38267	80.41470	7984	8.32311	80.39090	8023	8.31951	80.39020	8062	8.31314	80.39040
7946	8.38270	80.41470	7985	8.32279	80.39070	8024	8.31948	80.39020	8063	8.31311	80.39040
7947	8.38274	80.41470	7986	8.32278	80.39070	8025	8.31946	80.39020	8064	8.31308	80.39040
7948	8.38277	80.41470	7987	8.32275	80.39070	8026	8.31736	80.39020	8065	8.31305	80.39040
7949	8.38281	80.41470	7988	8.32272	80.39060	8027	8.31678	80.39020	8066	8.31304	80.39040
7950	8.38284	80.41470	7989	8.32268	80.39060	8028	8.31538	80.39010	8067	8.31291	80.39050
7951	8.38288	80.41460	7990	8.32267	80.39060	8029	8.31535	80.39010	8068	8.31275	80.39060
7952	8.38288	80.41460	7991	8.32125	80.39020	8030	8.31532	80.39010	8069	8.31274	80.39060
7953	8.32393	80.39240	7992	8.32122	80.39020	8031	8.31495	80.39010	8070	8.31271	80.39060

8071	8.31267	80.39060	8110	8.30837	80.39310	8149	8.30705	80.39280	8188	8.30575	80.39270
8072	8.31264	80.39060	8111	8.30828	80.39310	8150	8.30705	80.39280	8189	8.30574	80.39270
8073	8.31260	80.39060	8112	8.30827	80.39310	8151	8.30701	80.39280	8190	8.30563	80.39280
8074	8.31256	80.39060	8113	8.30824	80.39310	8152	8.30700	80.39280	8191	8.30560	80.39280
8075	8.31253	80.39060	8114	8.30821	80.39300	8153	8.30698	80.39280	8192	8.30557	80.39280
8076	8.31250	80.39060	8115	8.30820	80.39300	8154	8.30690	80.39270	8193	8.30556	80.39290
8077	8.31246	80.39070	8116	8.30817	80.39300	8155	8.30688	80.39270	8194	8.30545	80.39290
8078	8.31243	80.39070	8117	8.30814	80.39300	8156	8.30686	80.39270	8195	8.30544	80.39290
8079	8.31240	80.39070	8118	8.30813	80.39300	8157	8.30678	80.39270	8196	8.30540	80.39300
8080	8.31120	80.39140	8119	8.30805	80.39290	8158	8.30676	80.39270	8197	8.30540	80.39300
8081	8.31120	80.39140	8120	8.30803	80.39290	8159	8.30674	80.39270	8198	8.30537	80.39300
8082	8.31117	80.39140	8121	8.30799	80.39290	8160	8.30669	80.39270	8199	8.30536	80.39300
8083	8.31114	80.39140	8122	8.30796	80.39290	8161	8.30667	80.39270	8200	8.30536	80.39300
8084	8.31111	80.39140	8123	8.30793	80.39290	8162	8.30667	80.39270	8201	8.30534	80.39300
8085	8.31109	80.39150	8124	8.30790	80.39290	8163	8.30662	80.39270	8202	8.30533	80.39300
8086	8.31107	80.39150	8125	8.30781	80.39290	8164	8.30660	80.39270	8203	8.30533	80.39300
8087	8.30991	80.39280	8126	8.30780	80.39290	8165	8.30655	80.39270	8204	8.30529	80.39300
8088	8.30911	80.39340	8127	8.30777	80.39290	8166	8.30654	80.39270	8205	8.30526	80.39310
8089	8.30908	80.39340	8128	8.30773	80.39290	8167	8.30653	80.39270	8206	8.30523	80.39310
8090	8.30907	80.39330	8129	8.30771	80.39290	8168	8.30648	80.39270	8207	8.30520	80.39310
8091	8.30898	80.39330	8130	8.30766	80.39290	8169	8.30647	80.39270	8208	8.30517	80.39310
8092	8.30898	80.39330	8131	8.30766	80.39290	8170	8.30643	80.39270	8209	8.30474	80.39340
8093	8.30895	80.39330	8132	8.30761	80.39290	8171	8.30642	80.39270	8210	8.30465	80.39340
8094	8.30894	80.39330	8133	8.30753	80.39290	8172	8.30638	80.39270	8211	8.30442	80.39340
8095	8.30885	80.39320	8134	8.30752	80.39290	8173	8.30637	80.39270	8212	8.30440	80.39340
8096	8.30883	80.39320	8135	8.30747	80.39290	8174	8.30616	80.39270	8213	8.30437	80.39340
8097	8.30879	80.39320	8136	8.30747	80.39290	8175	8.30616	80.39270	8214	8.30434	80.39340
8098	8.30876	80.39320	8137	8.30742	80.39290	8176	8.30612	80.39270	8215	8.30434	80.39340
8099	8.30876	80.39320	8138	8.30733	80.39290	8177	8.30611	80.39270	8216	8.30433	80.39340
8100	8.30875	80.39320	8139	8.30733	80.39290	8178	8.30608	80.39270	8217	8.30429	80.39340
8101	8.30872	80.39320	8140	8.30729	80.39290	8179	8.30607	80.39270	8218	8.30424	80.39340
8102	8.30866	80.39320	8141	8.30729	80.39290	8180	8.30604	80.39270	8219	8.30424	80.39340
8103	8.30865	80.39320	8142	8.30725	80.39290	8181	8.30600	80.39270	8220	8.30419	80.39340
8104	8.30858	80.39310	8143	8.30724	80.39290	8182	8.30598	80.39270	8221	8.30418	80.39340
8105	8.30856	80.39310	8144	8.30721	80.39290	8183	8.30590	80.39270	8222	8.30410	80.39340
8106	8.30853	80.39310	8145	8.30721	80.39290	8184	8.30588	80.39270	8223	8.30407	80.39340
8107	8.30852	80.39310	8146	8.30717	80.39280	8185	8.30585	80.39270	8224	8.30403	80.39340
8108	8.30843	80.39310	8147	8.30709	80.39280	8186	8.30581	80.39270	8225	8.30402	80.39340
8109	8.30840	80.39310	8148	8.30709	80.39280	8187	8.30578	80.39270	8226	8.30401	80.39340

8227	8.30397	80.39340	8266	8.30268	80.39320	8305	8.30139	80.39330	8344	8.30017	80.39400
8228	8.30396	80.39340	8267	8.30266	80.39320	8306	8.30136	80.39330	8345	8.30017	80.39400
8229	8.30391	80.39340	8268	8.30263	80.39320	8307	8.30133	80.39330	8346	8.30012	80.39400
8230	8.30391	80.39340	8269	8.30262	80.39320	8308	8.30133	80.39330	8347	8.30010	80.39400
8231	8.30380	80.39340	8270	8.30258	80.39320	8309	8.30122	80.39340	8348	8.30010	80.39400
8232	8.30380	80.39340	8271	8.30256	80.39320	8310	8.30121	80.39340	8349	8.30007	80.39400
8233	8.30375	80.39340	8272	8.30254	80.39320	8311	8.30118	80.39340	8350	8.30003	80.39400
8234	8.30370	80.39340	8273	8.30245	80.39320	8312	8.30116	80.39340	8351	8.30002	80.39400
8235	8.30370	80.39340	8274	8.30244	80.39320	8313	8.30115	80.39350	8352	8.30000	80.39400
8236	8.30366	80.39340	8275	8.30237	80.39310	8314	8.30112	80.39350	8353	8.30000	80.39400
8237	8.30361	80.39340	8276	8.30235	80.39310	8315	8.30111	80.39350	8354	8.29999	80.39400
8238	8.30357	80.39340	8277	8.30234	80.39310	8316	8.30109	80.39350	8355	8.29995	80.39400
8239	8.30353	80.39340	8278	8.30233	80.39310	8317	8.30087	80.39370	8356	8.29993	80.39390
8240	8.30348	80.39340	8279	8.30229	80.39310	8318	8.30087	80.39370	8357	8.29993	80.39390
8241	8.30348	80.39340	8280	8.30226	80.39310	8319	8.30084	80.39370	8358	8.29990	80.39390
8242	8.30343	80.39340	8281	8.30224	80.39310	8320	8.30082	80.39380	8359	8.29989	80.39390
8243	8.30342	80.39340	8282	8.30220	80.39310	8321	8.30081	80.39380	8360	8.29987	80.39390
8244	8.30334	80.39340	8283	8.30220	80.39310	8322	8.30076	80.39380	8361	8.29983	80.39380
8245	8.30334	80.39340	8284	8.30216	80.39310	8323	8.30073	80.39380	8362	8.29983	80.39380
8246	8.30329	80.39340	8285	8.30211	80.39310	8324	8.30070	80.39390	8363	8.29982	80.39380
8247	8.30314	80.39340	8286	8.30211	80.39310	8325	8.30069	80.39390	8364	8.29979	80.39380
8248	8.30310	80.39340	8287	8.30207	80.39310	8326	8.30061	80.39390	8365	8.29979	80.39380
8249	8.30309	80.39340	8288	8.30206	80.39310	8327	8.30059	80.39390	8366	8.29976	80.39380
8250	8.30309	80.39340	8289	8.30202	80.39310	8328	8.30051	80.39390	8367	8.29975	80.39380
8251	8.30305	80.39330	8290	8.30202	80.39310	8329	8.30051	80.39390	8368	8.29972	80.39370
8252	8.30303	80.39330	8291	8.30192	80.39310	8330	8.30048	80.39400	8369	8.29968	80.39370
8253	8.30299	80.39330	8292	8.30189	80.39310	8331	8.30047	80.39400	8370	8.29968	80.39370
8254	8.30299	80.39330	8293	8.30187	80.39310	8332	8.30044	80.39400	8371	8.29965	80.39370
8255	8.30295	80.39330	8294	8.30177	80.39320	8333	8.30043	80.39400	8372	8.29963	80.39370
8256	8.30294	80.39330	8295	8.30176	80.39320	8334	8.30043	80.39400	8373	8.29959	80.39360
8257	8.30291	80.39330	8296	8.30175	80.39320	8335	8.30040	80.39400	8374	8.29957	80.39360
8258	8.30289	80.39330	8297	8.30169	80.39320	8336	8.30038	80.39400	8375	8.29954	80.39360
8259	8.30284	80.39320	8298	8.30167	80.39320	8337	8.30036	80.39400	8376	8.29950	80.39360
8260	8.30283	80.39320	8299	8.30164	80.39320	8338	8.30033	80.39400	8377	8.29950	80.39360
8261	8.30279	80.39320	8300	8.30159	80.39320	8339	8.30028	80.39400	8378	8.29946	80.39360
8262	8.30278	80.39320	8301	8.30159	80.39320	8340	8.30027	80.39400	8379	8.29943	80.39360
8263	8.30273	80.39320	8302	8.30155	80.39320	8341	8.30023	80.39400	8380	8.29943	80.39360
8264	8.30270	80.39320	8303	8.30154	80.39320	8342	8.30023	80.39400	8381	8.29938	80.39360
8265	8.30270	80.39320	8304	8.30141	80.39330	8343	8.30018	80.39400	8382	8.29935	80.39350

8383	8.29931	80.39350	8422	8.29825	80.39410	8461	8.29712	80.39670	8500	8.29562	80.39780
8384	8.29930	80.39350	8423	8.29822	80.39420	8462	8.29711	80.39670	8501	8.29562	80.39780
8385	8.29926	80.39350	8424	8.29821	80.39420	8463	8.29707	80.39670	8502	8.29559	80.39780
8386	8.29924	80.39350	8425	8.29820	80.39420	8464	8.29706	80.39670	8503	8.29557	80.39780
8387	8.29921	80.39350	8426	8.29819	80.39430	8465	8.29704	80.39670	8504	8.29556	80.39780
8388	8.29917	80.39350	8427	8.29818	80.39430	8466	8.29701	80.39680	8505	8.29554	80.39790
8389	8.29916	80.39350	8428	8.29817	80.39430	8467	8.29701	80.39680	8506	8.29554	80.39790
8390	8.29915	80.39350	8429	8.29817	80.39430	8468	8.29699	80.39680	8507	8.29547	80.39790
8391	8.29911	80.39350	8430	8.29816	80.39440	8469	8.29696	80.39680	8508	8.29542	80.39800
8392	8.29908	80.39350	8431	8.29815	80.39440	8470	8.29695	80.39680	8509	8.29538	80.39800
8393	8.29904	80.39350	8432	8.29815	80.39440	8471	8.29692	80.39680	8510	8.29531	80.39810
8394	8.29903	80.39350	8433	8.29814	80.39450	8472	8.29689	80.39690	8511	8.29529	80.39810
8395	8.29898	80.39350	8434	8.29814	80.39450	8473	8.29686	80.39690	8512	8.29529	80.39810
8396	8.29896	80.39350	8435	8.29814	80.39450	8474	8.29683	80.39690	8513	8.29524	80.39810
8397	8.29892	80.39350	8436	8.29814	80.39450	8475	8.29670	80.39700	8514	8.29518	80.39810
8398	8.29889	80.39350	8437	8.29813	80.39460	8476	8.29668	80.39710	8515	8.29511	80.39810
8399	8.29887	80.39350	8438	8.29813	80.39460	8477	8.29667	80.39710	8516	8.29499	80.39810
8400	8.29884	80.39350	8439	8.29813	80.39460	8478	8.29655	80.39720	8517	8.29499	80.39810
8401	8.29883	80.39360	8440	8.29813	80.39460	8479	8.29654	80.39720	8518	8.29495	80.39810
8402	8.29879	80.39360	8441	8.29813	80.39460	8480	8.29652	80.39730	8519	8.29495	80.39810
8403	8.29876	80.39360	8442	8.29813	80.39460	8481	8.29645	80.39740	8520	8.29491	80.39810
8404	8.29874	80.39360	8443	8.29813	80.39470	8482	8.29635	80.39750	8521	8.29486	80.39810
8405	8.29869	80.39360	8444	8.29814	80.39470	8483	8.29631	80.39750	8522	8.29482	80.39810
8406	8.29868	80.39360	8445	8.29814	80.39470	8484	8.29628	80.39750	8523	8.29479	80.39810
8407	8.29865	80.39360	8446	8.29814	80.39480	8485	8.29627	80.39750	8524	8.29479	80.39810
8408	8.29862	80.39370	8447	8.29814	80.39480	8486	8.29609	80.39750	8525	8.29478	80.39810
8409	8.29859	80.39370	8448	8.29815	80.39480	8487	8.29607	80.39750	8526	8.29474	80.39810
8410	8.29859	80.39370	8449	8.29815	80.39480	8488	8.29603	80.39750	8527	8.29472	80.39810
8411	8.29852	80.39380	8450	8.29807	80.39500	8489	8.29600	80.39760	8528	8.29467	80.39810
8412	8.29850	80.39380	8451	8.29806	80.39510	8490	8.29598	80.39760	8529	8.29467	80.39810
8413	8.29848	80.39380	8452	8.29797	80.39530	8491	8.29590	80.39760	8530	8.29462	80.39810
8414	8.29847	80.39380	8453	8.29786	80.39560	8492	8.29588	80.39760	8531	8.29462	80.39810
8415	8.29839	80.39390	8454	8.29765	80.39600	8493	8.29585	80.39760	8532	8.29457	80.39810
8416	8.29837	80.39390	8455	8.29750	80.39630	8494	8.29581	80.39760	8533	8.29456	80.39810
8417	8.29835	80.39400	8456	8.29744	80.39640	8495	8.29578	80.39770	8534	8.29456	80.39810
8418	8.29834	80.39400	8457	8.29738	80.39640	8496	8.29571	80.39770	8535	8.29451	80.39810
8419	8.29828	80.39410	8458	8.29718	80.39660	8497	8.29571	80.39770	8536	8.29451	80.39810
8420	8.29827	80.39410	8459	8.29718	80.39660	8498	8.29568	80.39770	8537	8.29447	80.39810
8421	8.29825	80.39410	8460	8.29715	80.39660	8499	8.29565	80.39770	8538	8.29443	80.39810

8539	8.29440	80.39810	8578	8.29352	80.39930	8617	8.29200	80.40030	8656	8.29156	80.40150
8540	8.29440	80.39810	8579	8.29345	80.39940	8618	8.29198	80.40030	8657	8.29154	80.40150
8541	8.29432	80.39810	8580	8.29345	80.39940	8619	8.29195	80.40030	8658	8.29151	80.40150
8542	8.29429	80.39820	8581	8.29345	80.39940	8620	8.29194	80.40040	8659	8.29149	80.40150
8543	8.29425	80.39820	8582	8.29340	80.39950	8621	8.29188	80.40040	8660	8.29146	80.40150
8544	8.29422	80.39820	8583	8.29335	80.39960	8622	8.29187	80.40040	8661	8.29145	80.40150
8545	8.29419	80.39820	8584	8.29335	80.39960	8623	8.29186	80.40050	8662	8.29144	80.40150
8546	8.29415	80.39820	8585	8.29334	80.39960	8624	8.29178	80.40060	8663	8.29142	80.40150
8547	8.29413	80.39820	8586	8.29331	80.39960	8625	8.29177	80.40060	8664	8.29139	80.40150
8548	8.29406	80.39830	8587	8.29330	80.39960	8626	8.29171	80.40070	8665	8.29138	80.40150
8549	8.29405	80.39830	8588	8.29322	80.39960	8627	8.29171	80.40070	8666	8.29137	80.40150
8550	8.29403	80.39830	8589	8.29319	80.39960	8628	8.29169	80.40080	8667	8.29135	80.40150
8551	8.29400	80.39830	8590	8.29317	80.39960	8629	8.29169	80.40080	8668	8.29133	80.40150
8552	8.29397	80.39830	8591	8.29305	80.39970	8630	8.29166	80.40080	8669	8.29130	80.40150
8553	8.29395	80.39840	8592	8.29304	80.39970	8631	8.29165	80.40080	8670	8.29130	80.40150
8554	8.29395	80.39840	8593	8.29300	80.39970	8632	8.29164	80.40090	8671	8.29129	80.40160
8555	8.29392	80.39840	8594	8.29300	80.39970	8633	8.29163	80.40090	8672	8.29127	80.40160
8556	8.29390	80.39840	8595	8.29292	80.39970	8634	8.29161	80.40100	8673	8.29125	80.40160
8557	8.29389	80.39840	8596	8.29289	80.39970	8635	8.29161	80.40100	8674	8.29124	80.40160
8558	8.29386	80.39850	8597	8.29286	80.39970	8636	8.29160	80.40100	8675	8.29123	80.40160
8559	8.29386	80.39850	8598	8.29277	80.39970	8637	8.29159	80.40100	8676	8.29120	80.40160
8560	8.29381	80.39860	8599	8.29276	80.39970	8638	8.29159	80.40110	8677	8.29116	80.40160
8561	8.29380	80.39860	8600	8.29273	80.39980	8639	8.29159	80.40110	8678	8.29097	80.40160
8562	8.29380	80.39860	8601	8.29270	80.39980	8640	8.29158	80.40110	8679	8.29097	80.40160
8563	8.29375	80.39860	8602	8.29269	80.39980	8641	8.29158	80.40120	8680	8.29094	80.40170
8564	8.29374	80.39870	8603	8.29260	80.39980	8642	8.29158	80.40120	8681	8.29075	80.40170
8565	8.29373	80.39870	8604	8.29258	80.39980	8643	8.29159	80.40120	8682	8.29074	80.40170
8566	8.29369	80.39880	8605	8.29255	80.39990	8644	8.29159	80.40130	8683	8.29073	80.40170
8567	8.29368	80.39880	8606	8.29254	80.39990	8645	8.29160	80.40130	8684	8.29072	80.40170
8568	8.29367	80.39880	8607	8.29248	80.39990	8646	8.29161	80.40130	8685	8.29072	80.40170
8569	8.29366	80.39880	8608	8.29237	80.40000	8647	8.29160	80.40130	8686	8.29069	80.40180
8570	8.29363	80.39890	8609	8.29227	80.40010	8648	8.29159	80.40140	8687	8.29069	80.40180
8571	8.29363	80.39890	8610	8.29225	80.40010	8649	8.29158	80.40140	8688	8.29067	80.40180
8572	8.29362	80.39890	8611	8.29223	80.40010	8650	8.29158	80.40140	8689	8.29066	80.40180
8573	8.29361	80.39900	8612	8.29214	80.40020	8651	8.29157	80.40140	8690	8.29064	80.40180
8574	8.29358	80.39910	8613	8.29213	80.40020	8652	8.29157	80.40140	8691	8.29063	80.40180
8575	8.29358	80.39910	8614	8.29210	80.40020	8653	8.29156	80.40140	8692	8.29062	80.40180
8576	8.29358	80.39910	8615	8.29208	80.40020	8654	8.29156	80.40140	8693	8.29062	80.40180
8577	8.29356	80.39930	8616	8.29200	80.40030	8655	8.29156	80.40150	8694	8.29061	80.40180

8695	8.29059	80.40180	8734	8.29017	80.40200	8773	8.28944	80.40340	8812	8.28964	80.40430
8696	8.29058	80.40180	8735	8.29016	80.40200	8774	8.28944	80.40340	8813	8.28964	80.40430
8697	8.29055	80.40180	8736	8.29015	80.40200	8775	8.28944	80.40340	8814	8.28964	80.40430
8698	8.29055	80.40180	8737	8.29014	80.40200	8776	8.28944	80.40340	8815	8.28965	80.40430
8699	8.29055	80.40180	8738	8.29013	80.40200	8777	8.28944	80.40350	8816	8.28966	80.40430
8700	8.29052	80.40180	8739	8.29011	80.40200	8778	8.28945	80.40350	8817	8.28966	80.40430
8701	8.29051	80.40180	8740	8.29011	80.40200	8779	8.28945	80.40350	8818	8.28966	80.40430
8702	8.29051	80.40180	8741	8.29011	80.40200	8780	8.28946	80.40360	8819	8.28967	80.40440
8703	8.29048	80.40180	8742	8.29010	80.40200	8781	8.28946	80.40360	8820	8.28968	80.40440
8704	8.29048	80.40180	8743	8.29008	80.40200	8782	8.28946	80.40360	8821	8.28968	80.40440
8705	8.29048	80.40180	8744	8.29006	80.40210	8783	8.28946	80.40360	8822	8.28969	80.40440
8706	8.29047	80.40180	8745	8.29005	80.40210	8784	8.28946	80.40360	8823	8.28969	80.40440
8707	8.29047	80.40180	8746	8.29004	80.40210	8785	8.28946	80.40360	8824	8.28969	80.40440
8708	8.29046	80.40180	8747	8.29004	80.40210	8786	8.28946	80.40370	8825	8.28970	80.40440
8709	8.29046	80.40180	8748	8.29003	80.40210	8787	8.28947	80.40370	8826	8.28970	80.40440
8710	8.29044	80.40190	8749	8.29002	80.40210	8788	8.28947	80.40370	8827	8.28971	80.40440
8711	8.29043	80.40190	8750	8.29000	80.40210	8789	8.28947	80.40370	8828	8.28971	80.40450
8712	8.29043	80.40190	8751	8.28997	80.40210	8790	8.28947	80.40370	8829	8.28972	80.40450
8713	8.29042	80.40190	8752	8.28995	80.40220	8791	8.28948	80.40380	8830	8.28972	80.40450
8714	8.29041	80.40190	8753	8.28992	80.40220	8792	8.28948	80.40380	8831	8.28973	80.40450
8715	8.29041	80.40190	8754	8.28992	80.40220	8793	8.28955	80.40400	8832	8.28974	80.40450
8716	8.29041	80.40190	8755	8.28986	80.40230	8794	8.28955	80.40400	8833	8.28974	80.40450
8717	8.29039	80.40190	8756	8.28984	80.40230	8795	8.28955	80.40400	8834	8.28978	80.40460
8718	8.29038	80.40190	8757	8.28983	80.40230	8796	8.28956	80.40400	8835	8.28980	80.40470
8719	8.29038	80.40190	8758	8.28982	80.40230	8797	8.28956	80.40410	8836	8.28981	80.40470
8720	8.29038	80.40190	8759	8.28966	80.40260	8798	8.28957	80.40410	8837	8.28981	80.40470
8721	8.29036	80.40190	8760	8.28956	80.40280	8799	8.28957	80.40410	8838	8.28981	80.40470
8722	8.29034	80.40190	8761	8.28955	80.40280	8800	8.28958	80.40410	8839	8.28984	80.40490
8723	8.29033	80.40190	8762	8.28953	80.40290	8801	8.28958	80.40410	8840	8.28984	80.40490
8724	8.29031	80.40190	8763	8.28952	80.40290	8802	8.28958	80.40410	8841	8.28984	80.40490
8725	8.29030	80.40190	8764	8.28951	80.40290	8803	8.28960	80.40420	8842	8.28984	80.40490
8726	8.29027	80.40190	8765	8.28948	80.40310	8804	8.28961	80.40420	8843	8.28984	80.40490
8727	8.29024	80.40190	8766	8.28947	80.40310	8805	8.28961	80.40420	8844	8.28984	80.40500
8728	8.29023	80.40190	8767	8.28947	80.40310	8806	8.28961	80.40420	8845	8.28985	80.40500
8729	8.29023	80.40190	8768	8.28946	80.40310	8807	8.28962	80.40420	8846	8.28985	80.40500
8730	8.29022	80.40190	8769	8.28946	80.40320	8808	8.28962	80.40420	8847	8.28985	80.40500
8731	8.29022	80.40190	8770	8.28944	80.40330	8809	8.28963	80.40420	8848	8.28985	80.40500
8732	8.29019	80.40200	8771	8.28944	80.40330	8810	8.28963	80.40420	8849	8.28986	80.40500
8733	8.29018	80.40200	8772	8.28944	80.40340	8811	8.28963	80.40430	8850	8.28986	80.40500

8851	8.28987	80.40510	8890	8.28994	80.40580	8929	8.28974	80.40620	8968	8.28904	80.40620
8852	8.28988	80.40510	8891	8.28993	80.40580	8930	8.28974	80.40620	8969	8.28903	80.40620
8853	8.28988	80.40510	8892	8.28993	80.40580	8931	8.28973	80.40620	8970	8.28900	80.40620
8854	8.28988	80.40510	8893	8.28993	80.40580	8932	8.28972	80.40620	8971	8.28897	80.40620
8855	8.28989	80.40520	8894	8.28993	80.40590	8933	8.28971	80.40620	8972	8.28896	80.40620
8856	8.28991	80.40520	8895	8.28994	80.40590	8934	8.28968	80.40620	8973	8.28895	80.40620
8857	8.28992	80.40520	8896	8.28994	80.40590	8935	8.28968	80.40620	8974	8.28892	80.40630
8858	8.28993	80.40520	8897	8.28994	80.40590	8936	8.28966	80.40620	8975	8.28890	80.40630
8859	8.28994	80.40520	8898	8.28994	80.40600	8937	8.28964	80.40610	8976	8.28888	80.40630
8860	8.28994	80.40530	8899	8.28994	80.40600	8938	8.28962	80.40610	8977	8.28887	80.40630
8861	8.28994	80.40530	8900	8.28995	80.40600	8939	8.28961	80.40610	8978	8.28885	80.40630
8862	8.28994	80.40530	8901	8.28995	80.40600	8940	8.28960	80.40610	8979	8.28882	80.40630
8863	8.28993	80.40530	8902	8.28995	80.40600	8941	8.28958	80.40610	8980	8.28882	80.40630
8864	8.28993	80.40530	8903	8.28995	80.40600	8942	8.28958	80.40610	8981	8.28881	80.40640
8865	8.28993	80.40530	8904	8.28995	80.40600	8943	8.28957	80.40610	8982	8.28879	80.40640
8866	8.28993	80.40530	8905	8.28996	80.40610	8944	8.28956	80.40610	8983	8.28877	80.40640
8867	8.28993	80.40540	8906	8.28996	80.40610	8945	8.28956	80.40610	8984	8.28876	80.40640
8868	8.28993	80.40540	8907	8.28996	80.40610	8946	8.28953	80.40610	8985	8.28876	80.40640
8869	8.28993	80.40540	8908	8.28997	80.40610	8947	8.28950	80.40610	8986	8.28874	80.40640
8870	8.28994	80.40540	8909	8.28997	80.40610	8948	8.28947	80.40610	8987	8.28872	80.40650
8871	8.28994	80.40540	8910	8.28997	80.40610	8949	8.28946	80.40610	8988	8.28870	80.40650
8872	8.28994	80.40540	8911	8.28998	80.40610	8950	8.28943	80.40610	8989	8.28870	80.40650
8873	8.28994	80.40540	8912	8.28998	80.40610	8951	8.28942	80.40610	8990	8.28869	80.40650
8874	8.28994	80.40550	8913	8.28997	80.40620	8952	8.28942	80.40610	8991	8.28867	80.40660
8875	8.28994	80.40550	8914	8.28995	80.40620	8953	8.28941	80.40610	8992	8.28867	80.40660
8876	8.28994	80.40550	8915	8.28995	80.40620	8954	8.28940	80.40610	8993	8.28867	80.40660
8877	8.28994	80.40550	8916	8.28994	80.40620	8955	8.28939	80.40610	8994	8.28867	80.40660
8878	8.28995	80.40550	8917	8.28993	80.40620	8956	8.28936	80.40610	8995	8.28867	80.40660
8879	8.28995	80.40560	8918	8.28991	80.40620	8957	8.28931	80.40610	8996	8.28866	80.40660
8880	8.28995	80.40560	8919	8.28990	80.40620	8958	8.28930	80.40610	8997	8.28866	80.40660
8881	8.28995	80.40560	8920	8.28987	80.40620	8959	8.28927	80.40610	8998	8.28866	80.40660
8882	8.28995	80.40570	8921	8.28987	80.40620	8960	8.28926	80.40610	8999	8.28866	80.40660
8883	8.28995	80.40570	8922	8.28986	80.40620	8961	8.28923	80.40610	9000	8.28865	80.40660
8884	8.28995	80.40570	8923	8.28985	80.40620	8962	8.28921	80.40620	9001	8.28864	80.40660
8885	8.28995	80.40570	8924	8.28983	80.40620	8963	8.28918	80.40620	9002	8.28864	80.40670
8886	8.28994	80.40570	8925	8.28980	80.40620	8964	8.28915	80.40620	9003	8.28863	80.40670
8887	8.28994	80.40570	8926	8.28979	80.40620	8965	8.28914	80.40620	9004	8.28863	80.40670
8888	8.28994	80.40570	8927	8.28977	80.40620	8966	8.28910	80.40620	9005	8.28863	80.40670
8889	8.28994	80.40580	8928	8.28976	80.40620	8967	8.28907	80.40620	9006	8.28862	80.40670

9007	8.28862	80.40670	9046	8.28848	80.40740	9085	8.28858	80.40810	9124	8.28810	80.40830
9008	8.28862	80.40670	9047	8.28848	80.40740	9086	8.28856	80.40810	9125	8.28809	80.40830
9009	8.28861	80.40670	9048	8.28848	80.40740	9087	8.28855	80.40810	9126	8.28808	80.40840
9010	8.28861	80.40670	9049	8.28848	80.40740	9088	8.28854	80.40810	9127	8.28807	80.40840
9011	8.28860	80.40670	9050	8.28848	80.40740	9089	8.28853	80.40810	9128	8.28806	80.40840
9012	8.28860	80.40680	9051	8.28848	80.40750	9090	8.28853	80.40810	9129	8.28805	80.40840
9013	8.28860	80.40680	9052	8.28848	80.40750	9091	8.28851	80.40810	9130	8.28803	80.40840
9014	8.28859	80.40680	9053	8.28849	80.40760	9092	8.28850	80.40810	9131	8.28802	80.40840
9015	8.28859	80.40680	9054	8.28849	80.40760	9093	8.28848	80.40810	9132	8.28802	80.40840
9016	8.28859	80.40680	9055	8.28849	80.40760	9094	8.28845	80.40810	9133	8.28800	80.40840
9017	8.28858	80.40680	9056	8.28850	80.40760	9095	8.28843	80.40810	9134	8.28799	80.40840
9018	8.28858	80.40680	9057	8.28850	80.40770	9096	8.28843	80.40810	9135	8.28799	80.40850
9019	8.28858	80.40680	9058	8.28851	80.40770	9097	8.28841	80.40820	9136	8.28797	80.40850
9020	8.28856	80.40690	9059	8.28852	80.40780	9098	8.28841	80.40820	9137	8.28775	80.40870
9021	8.28856	80.40690	9060	8.28852	80.40780	9099	8.28840	80.40820	9138	8.28774	80.40870
9022	8.28855	80.40690	9061	8.28853	80.40780	9100	8.28837	80.40820	9139	8.28772	80.40870
9023	8.28853	80.40700	9062	8.28854	80.40780	9101	8.28834	80.40820	9140	8.28770	80.40880
9024	8.28853	80.40700	9063	8.28854	80.40780	9102	8.28834	80.40820	9141	8.28769	80.40880
9025	8.28852	80.40700	9064	8.28855	80.40780	9103	8.28833	80.40820	9142	8.28768	80.40880
9026	8.28852	80.40700	9065	8.28856	80.40780	9104	8.28830	80.40820	9143	8.28767	80.40880
9027	8.28851	80.40700	9066	8.28856	80.40790	9105	8.28830	80.40820	9144	8.28767	80.40880
9028	8.28851	80.40700	9067	8.28856	80.40790	9106	8.28827	80.40820	9145	8.28766	80.40880
9029	8.28850	80.40710	9068	8.28857	80.40790	9107	8.28827	80.40820	9146	8.28765	80.40890
9030	8.28849	80.40710	9069	8.28858	80.40790	9108	8.28826	80.40820	9147	8.28764	80.40890
9031	8.28849	80.40710	9070	8.28858	80.40790	9109	8.28825	80.40820	9148	8.28764	80.40890
9032	8.28848	80.40720	9071	8.28858	80.40790	9110	8.28822	80.40830	9149	8.28763	80.40890
9033	8.28848	80.40720	9072	8.28859	80.40790	9111	8.28820	80.40830	9150	8.28763	80.40890
9034	8.28848	80.40720	9073	8.28860	80.40790	9112	8.28819	80.40830	9151	8.28762	80.40890
9035	8.28848	80.40720	9074	8.28860	80.40800	9113	8.28818	80.40830	9152	8.28761	80.40890
9036	8.28848	80.40720	9075	8.28861	80.40800	9114	8.28818	80.40830	9153	8.28761	80.40890
9037	8.28848	80.40720	9076	8.28862	80.40800	9115	8.28817	80.40830	9154	8.28760	80.40900
9038	8.28848	80.40720	9077	8.28863	80.40800	9116	8.28816	80.40830	9155	8.28759	80.40900
9039	8.28848	80.40730	9078	8.28864	80.40800	9117	8.28815	80.40830	9156	8.28759	80.40900
9040	8.28848	80.40730	9079	8.28864	80.40800	9118	8.28815	80.40830	9157	8.28759	80.40900
9041	8.28848	80.40730	9080	8.28864	80.40800	9119	8.28813	80.40830	9158	8.28759	80.40900
9042	8.28848	80.40730	9081	8.28864	80.40800	9120	8.28812	80.40830	9159	8.28759	80.40900
9043	8.28848	80.40730	9082	8.28865	80.40800	9121	8.28812	80.40830	9160	8.28758	80.40900
9044	8.28847	80.40730	9083	8.28862	80.40810	9122	8.28812	80.40830	9161	8.28757	80.40900
9045	8.28848	80.40730	9084	8.28860	80.40810	9123	8.28811	80.40830	9162	8.28757	80.40900

9163	8.28756	80.40900	9202	8.28745	80.40970	9241	8.28731	80.41050	9280	8.28685	80.41070
9164	8.28755	80.40910	9203	8.28745	80.40970	9242	8.28731	80.41050	9281	8.28684	80.41070
9165	8.28755	80.40910	9204	8.28745	80.40970	9243	8.28730	80.41050	9282	8.28684	80.41070
9166	8.28754	80.40910	9205	8.28745	80.40970	9244	8.28729	80.41050	9283	8.28683	80.41070
9167	8.28753	80.40910	9206	8.28743	80.40970	9245	8.28729	80.41050	9284	8.28682	80.41070
9168	8.28753	80.40910	9207	8.28743	80.40970	9246	8.28726	80.41050	9285	8.28679	80.41070
9169	8.28752	80.40910	9208	8.28742	80.40970	9247	8.28725	80.41050	9286	8.28676	80.41070
9170	8.28751	80.40920	9209	8.28741	80.40980	9248	8.28723	80.41050	9287	8.28676	80.41070
9171	8.28751	80.40920	9210	8.28741	80.40980	9249	8.28720	80.41060	9288	8.28675	80.41070
9172	8.28751	80.40920	9211	8.28741	80.40980	9250	8.28719	80.41060	9289	8.28675	80.41070
9173	8.28750	80.40920	9212	8.28741	80.40980	9251	8.28719	80.41060	9290	8.28674	80.41070
9174	8.28750	80.40920	9213	8.28740	80.40980	9252	8.28718	80.41060	9291	8.28671	80.41070
9175	8.28749	80.40920	9214	8.28740	80.40990	9253	8.28717	80.41060	9292	8.28670	80.41070
9176	8.28749	80.40920	9215	8.28739	80.40990	9254	8.28716	80.41060	9293	8.28669	80.41070
9177	8.28749	80.40920	9216	8.28739	80.40990	9255	8.28715	80.41060	9294	8.28665	80.41070
9178	8.28748	80.40930	9217	8.28739	80.40990	9256	8.28714	80.41060	9295	8.28662	80.41070
9179	8.28748	80.40930	9218	8.28738	80.41000	9257	8.28714	80.41060	9296	8.28660	80.41070
9180	8.28747	80.40930	9219	8.28737	80.41010	9258	8.28713	80.41060	9297	8.28657	80.41070
9181	8.28747	80.40930	9220	8.28737	80.41010	9259	8.28712	80.41060	9298	8.28657	80.41070
9182	8.28747	80.40940	9221	8.28737	80.41010	9260	8.28709	80.41060	9299	8.28653	80.41070
9183	8.28747	80.40940	9222	8.28737	80.41020	9261	8.28707	80.41060	9300	8.28652	80.41070
9184	8.28746	80.40940	9223	8.28737	80.41020	9262	8.28705	80.41060	9301	8.28650	80.41070
9185	8.28746	80.40940	9224	8.28739	80.41030	9263	8.28705	80.41060	9302	8.28648	80.41070
9186	8.28746	80.40950	9225	8.28739	80.41030	9264	8.28704	80.41060	9303	8.28647	80.41070
9187	8.28746	80.40950	9226	8.28739	80.41040	9265	8.28704	80.41060	9304	8.28645	80.41070
9188	8.28746	80.40950	9227	8.28740	80.41040	9266	8.28701	80.41060	9305	8.28643	80.41070
9189	8.28746	80.40950	9228	8.28740	80.41040	9267	8.28701	80.41060	9306	8.28640	80.41070
9190	8.28746	80.40950	9229	8.28740	80.41040	9268	8.28700	80.41060	9307	8.28639	80.41070
9191	8.28746	80.40950	9230	8.28740	80.41040	9269	8.28698	80.41070	9308	8.28638	80.41070
9192	8.28746	80.40950	9231	8.28741	80.41040	9270	8.28696	80.41070	9309	8.28635	80.41070
9193	8.28746	80.40950	9232	8.28741	80.41040	9271	8.28695	80.41070	9310	8.28635	80.41070
9194	8.28746	80.40950	9233	8.28741	80.41050	9272	8.28693	80.41070	9311	8.28633	80.41070
9195	8.28746	80.40960	9234	8.28742	80.41050	9273	8.28693	80.41070	9312	8.28632	80.41070
9196	8.28746	80.40960	9235	8.28742	80.41050	9274	8.28693	80.41070	9313	8.28632	80.41070
9197	8.28746	80.40960	9236	8.28742	80.41050	9275	8.28693	80.41070	9314	8.28631	80.41070
9198	8.28746	80.40960	9237	8.28741	80.41050	9276	8.28691	80.41070	9315	8.28630	80.41070
9199	8.28746	80.40960	9238	8.28739	80.41050	9277	8.28690	80.41070	9316	8.28630	80.41070
9200	8.28746	80.40960	9239	8.28735	80.41050	9278	8.28690	80.41070	9317	8.28629	80.41070
9201	8.28745	80.40970	9240	8.28733	80.41050	9279	8.28688	80.41070	9318	8.28625	80.41070

9319	8.28625	80.41070	9358	8.28583	80.41110	9397	8.28570	80.41160	9436	8.28547	80.41190
9320	8.28625	80.41070	9359	8.28583	80.41110	9398	8.28570	80.41160	9437	8.28546	80.41190
9321	8.28625	80.41070	9360	8.28582	80.41110	9399	8.28570	80.41160	9438	8.28546	80.41200
9322	8.28624	80.41070	9361	8.28582	80.41110	9400	8.28570	80.41160	9439	8.28544	80.41200
9323	8.28623	80.41070	9362	8.28581	80.41110	9401	8.28570	80.41160	9440	8.28543	80.41200
9324	8.28623	80.41070	9363	8.28579	80.41110	9402	8.28569	80.41160	9441	8.28543	80.41200
9325	8.28622	80.41070	9364	8.28579	80.41110	9403	8.28569	80.41160	9442	8.28542	80.41200
9326	8.28621	80.41080	9365	8.28579	80.41110	9404	8.28569	80.41160	9443	8.28541	80.41200
9327	8.28621	80.41080	9366	8.28579	80.41110	9405	8.28569	80.41160	9444	8.28540	80.41200
9328	8.28618	80.41080	9367	8.28577	80.41120	9406	8.28568	80.41160	9445	8.28539	80.41200
9329	8.28616	80.41080	9368	8.28576	80.41120	9407	8.28568	80.41170	9446	8.28538	80.41210
9330	8.28616	80.41080	9369	8.28575	80.41120	9408	8.28568	80.41170	9447	8.28537	80.41210
9331	8.28615	80.41080	9370	8.28575	80.41120	9409	8.28567	80.41170	9448	8.28536	80.41210
9332	8.28612	80.41080	9371	8.28574	80.41130	9410	8.28567	80.41170	9449	8.28535	80.41210
9333	8.28610	80.41080	9372	8.28574	80.41130	9411	8.28566	80.41170	9450	8.28535	80.41210
9334	8.28610	80.41080	9373	8.28574	80.41130	9412	8.28566	80.41170	9451	8.28535	80.41210
9335	8.28609	80.41080	9374	8.28574	80.41130	9413	8.28566	80.41170	9452	8.28535	80.41210
9336	8.28609	80.41080	9375	8.28573	80.41130	9414	8.28565	80.41170	9453	8.28535	80.41210
9337	8.28608	80.41080	9376	8.28573	80.41130	9415	8.28564	80.41170	9454	8.28534	80.41210
9338	8.28605	80.41080	9377	8.28572	80.41140	9416	8.28563	80.41180	9455	8.28534	80.41210
9339	8.28603	80.41090	9378	8.28572	80.41140	9417	8.28563	80.41180	9456	8.28533	80.41210
9340	8.28601	80.41090	9379	8.28572	80.41140	9418	8.28562	80.41180	9457	8.28533	80.41210
9341	8.28598	80.41090	9380	8.28572	80.41140	9419	8.28562	80.41180	9458	8.28532	80.41210
9342	8.28597	80.41090	9381	8.28572	80.41140	9420	8.28561	80.41180	9459	8.28531	80.41210
9343	8.28597	80.41090	9382	8.28572	80.41140	9421	8.28560	80.41180	9460	8.28531	80.41210
9344	8.28595	80.41090	9383	8.28572	80.41140	9422	8.28559	80.41180	9461	8.28530	80.41220
9345	8.28594	80.41090	9384	8.28571	80.41140	9423	8.28558	80.41180	9462	8.28530	80.41220
9346	8.28593	80.41090	9385	8.28571	80.41140	9424	8.28557	80.41180	9463	8.28529	80.41220
9347	8.28591	80.41100	9386	8.28571	80.41150	9425	8.28556	80.41180	9464	8.28529	80.41220
9348	8.28591	80.41100	9387	8.28571	80.41150	9426	8.28556	80.41180	9465	8.28528	80.41220
9349	8.28590	80.41100	9388	8.28571	80.41150	9427	8.28556	80.41180	9466	8.28527	80.41220
9350	8.28589	80.41100	9389	8.28571	80.41150	9428	8.28554	80.41190	9467	8.28526	80.41220
9351	8.28588	80.41100	9390	8.28571	80.41150	9429	8.28554	80.41190	9468	8.28526	80.41220
9352	8.28587	80.41100	9391	8.28571	80.41150	9430	8.28553	80.41190	9469	8.28525	80.41220
9353	8.28586	80.41100	9392	8.28571	80.41150	9431	8.28553	80.41190	9470	8.28525	80.41220
9354	8.28586	80.41100	9393	8.28571	80.41150	9432	8.28551	80.41190	9471	8.28524	80.41230
9355	8.28585	80.41100	9394	8.28570	80.41150	9433	8.28551	80.41190	9472	8.28524	80.41230
9356	8.28584	80.41100	9395	8.28570	80.41150	9434	8.28549	80.41190	9473	8.28523	80.41230
9357	8.28583	80.41110	9396	8.28570	80.41160	9435	8.28548	80.41190	9474	8.28523	80.41230

9475	8.28522	80.41230	9514	8.28497	80.41290	9553	8.28485	80.41330	9592	8.28465	80.41380
9476	8.28521	80.41230	9515	8.28496	80.41290	9554	8.28484	80.41330	9593	8.28465	80.41380
9477	8.28520	80.41230	9516	8.28496	80.41290	9555	8.28483	80.41330	9594	8.28465	80.41380
9478	8.28519	80.41230	9517	8.28495	80.41290	9556	8.28483	80.41330	9595	8.28464	80.41380
9479	8.28518	80.41240	9518	8.28495	80.41290	9557	8.28482	80.41340	9596	8.28462	80.41380
9480	8.28518	80.41240	9519	8.28495	80.41290	9558	8.28482	80.41340	9597	8.28462	80.41380
9481	8.28517	80.41240	9520	8.28494	80.41290	9559	8.28482	80.41340	9598	8.28461	80.41390
9482	8.28517	80.41240	9521	8.28494	80.41300	9560	8.28481	80.41340	9599	8.28461	80.41390
9483	8.28515	80.41240	9522	8.28494	80.41300	9561	8.28481	80.41340	9600	8.28460	80.41390
9484	8.28515	80.41240	9523	8.28494	80.41300	9562	8.28480	80.41340	9601	8.28460	80.41390
9485	8.28514	80.41240	9524	8.28494	80.41300	9563	8.28480	80.41340	9602	8.28458	80.41390
9486	8.28514	80.41240	9525	8.28493	80.41300	9564	8.28479	80.41340	9603	8.28457	80.41390
9487	8.28512	80.41250	9526	8.28493	80.41300	9565	8.28479	80.41340	9604	8.28455	80.41400
9488	8.28512	80.41250	9527	8.28493	80.41300	9566	8.28478	80.41350	9605	8.28454	80.41400
9489	8.28512	80.41250	9528	8.28492	80.41300	9567	8.28477	80.41350	9606	8.28454	80.41400
9490	8.28512	80.41250	9529	8.28491	80.41300	9568	8.28477	80.41350	9607	8.28454	80.41400
9491	8.28511	80.41250	9530	8.28491	80.41300	9569	8.28477	80.41350	9608	8.28453	80.41400
9492	8.28511	80.41250	9531	8.28491	80.41310	9570	8.28477	80.41350	9609	8.28453	80.41400
9493	8.28509	80.41250	9532	8.28491	80.41310	9571	8.28476	80.41350	9610	8.28451	80.41410
9494	8.28509	80.41260	9533	8.28491	80.41310	9572	8.28475	80.41350	9611	8.28451	80.41410
9495	8.28509	80.41260	9534	8.28490	80.41310	9573	8.28475	80.41350	9612	8.28450	80.41410
9496	8.28508	80.41260	9535	8.28490	80.41310	9574	8.28475	80.41350	9613	8.28449	80.41410
9497	8.28508	80.41260	9536	8.28490	80.41310	9575	8.28473	80.41360	9614	8.28448	80.41420
9498	8.28506	80.41260	9537	8.28489	80.41310	9576	8.28472	80.41360	9615	8.28447	80.41420
9499	8.28505	80.41270	9538	8.28489	80.41310	9577	8.28471	80.41360	9616	8.28447	80.41420
9500	8.28504	80.41270	9539	8.28489	80.41310	9578	8.28470	80.41360	9617	8.28447	80.41420
9501	8.28504	80.41270	9540	8.28489	80.41310	9579	8.28469	80.41370	9618	8.28447	80.41420
9502	8.28504	80.41270	9541	8.28488	80.41320	9580	8.28469	80.41370	9619	8.28447	80.41420
9503	8.28503	80.41270	9542	8.28488	80.41320	9581	8.28469	80.41370	9620	8.28447	80.41430
9504	8.28502	80.41270	9543	8.28488	80.41320	9582	8.28468	80.41370	9621	8.28447	80.41430
9505	8.28502	80.41270	9544	8.28488	80.41320	9583	8.28467	80.41370	9622	8.28446	80.41430
9506	8.28501	80.41280	9545	8.28487	80.41320	9584	8.28467	80.41370	9623	8.28446	80.41430
9507	8.28500	80.41280	9546	8.28487	80.41320	9585	8.28467	80.41370	9624	8.28446	80.41430
9508	8.28500	80.41280	9547	8.28487	80.41320	9586	8.28467	80.41370	9625	8.28446	80.41430
9509	8.28499	80.41280	9548	8.28487	80.41330	9587	8.28466	80.41370	9626	8.28446	80.41440
9510	8.28498	80.41280	9549	8.28487	80.41330	9588	8.28466	80.41380	9627	8.28446	80.41440
9511	8.28498	80.41280	9550	8.28487	80.41330	9589	8.28466	80.41380	9628	8.28446	80.41440
9512	8.28497	80.41280	9551	8.28486	80.41330	9590	8.28466	80.41380	9629	8.28447	80.41440
9513	8.28497	80.41290	9552	8.28486	80.41330	9591	8.28465	80.41380	9630	8.28447	80.41450

9631	8.28447	80.41450	9670	8.28469	80.41500	9709	8.28500	80.41550	9748	8.28534	80.41590
9632	8.28447	80.41450	9671	8.28469	80.41500	9710	8.28501	80.41550	9749	8.28534	80.41590
9633	8.28448	80.41450	9672	8.28469	80.41500	9711	8.28502	80.41550	9750	8.28535	80.41590
9634	8.28448	80.41450	9673	8.28470	80.41500	9712	8.28503	80.41550	9751	8.28536	80.41590
9635	8.28448	80.41450	9674	8.28470	80.41500	9713	8.28504	80.41550	9752	8.28537	80.41590
9636	8.28448	80.41460	9675	8.28470	80.41500	9714	8.28504	80.41550	9753	8.28537	80.41590
9637	8.28449	80.41460	9676	8.28471	80.41510	9715	8.28505	80.41550	9754	8.28537	80.41590
9638	8.28449	80.41460	9677	8.28471	80.41510	9716	8.28505	80.41550	9755	8.28539	80.41590
9639	8.28450	80.41460	9678	8.28471	80.41510	9717	8.28505	80.41550	9756	8.28539	80.41590
9640	8.28450	80.41460	9679	8.28472	80.41510	9718	8.28508	80.41550	9757	8.28540	80.41590
9641	8.28450	80.41460	9680	8.28472	80.41510	9719	8.28509	80.41550	9758	8.28541	80.41600
9642	8.28451	80.41460	9681	8.28472	80.41510	9720	8.28511	80.41550	9759	8.28541	80.41600
9643	8.28451	80.41460	9682	8.28473	80.41510	9721	8.28513	80.41550	9760	8.28542	80.41600
9644	8.28451	80.41470	9683	8.28474	80.41510	9722	8.28513	80.41550	9761	8.28543	80.41600
9645	8.28451	80.41470	9684	8.28474	80.41510	9723	8.28514	80.41550	9762	8.28543	80.41600
9646	8.28452	80.41470	9685	8.28475	80.41510	9724	8.28516	80.41560	9763	8.28543	80.41600
9647	8.28452	80.41470	9686	8.28475	80.41520	9725	8.28517	80.41560	9764	8.28544	80.41600
9648	8.28453	80.41470	9687	8.28475	80.41520	9726	8.28517	80.41560	9765	8.28544	80.41600
9649	8.28454	80.41470	9688	8.28475	80.41520	9727	8.28518	80.41560	9766	8.28545	80.41600
9650	8.28454	80.41480	9689	8.28476	80.41520	9728	8.28518	80.41560	9767	8.28546	80.41600
9651	8.28455	80.41480	9690	8.28478	80.41520	9729	8.28518	80.41560	9768	8.28546	80.41600
9652	8.28456	80.41480	9691	8.28478	80.41520	9730	8.28519	80.41560	9769	8.28546	80.41600
9653	8.28456	80.41480	9692	8.28478	80.41520	9731	8.28520	80.41570	9770	8.28547	80.41600
9654	8.28456	80.41480	9693	8.28479	80.41520	9732	8.28521	80.41570	9771	8.28548	80.41610
9655	8.28457	80.41480	9694	8.28479	80.41520	9733	8.28521	80.41570	9772	8.28549	80.41610
9656	8.28457	80.41480	9695	8.28481	80.41530	9734	8.28521	80.41570	9773	8.28549	80.41610
9657	8.28459	80.41480	9696	8.28481	80.41530	9735	8.28521	80.41570	9774	8.28551	80.41610
9658	8.28460	80.41490	9697	8.28481	80.41530	9736	8.28523	80.41570	9775	8.28552	80.41610
9659	8.28461	80.41490	9698	8.28483	80.41530	9737	8.28525	80.41570	9776	8.28553	80.41610
9660	8.28461	80.41490	9699	8.28485	80.41530	9738	8.28526	80.41580	9777	8.28555	80.41620
9661	8.28461	80.41490	9700	8.28487	80.41530	9739	8.28526	80.41580	9778	8.28556	80.41620
9662	8.28463	80.41490	9701	8.28487	80.41530	9740	8.28527	80.41580	9779	8.28558	80.41620
9663	8.28463	80.41490	9702	8.28490	80.41540	9741	8.28527	80.41580	9780	8.28559	80.41620
9664	8.28465	80.41500	9703	8.28491	80.41540	9742	8.28528	80.41580	9781	8.28560	80.41620
9665	8.28467	80.41500	9704	8.28492	80.41540	9743	8.28529	80.41580	9782	8.28560	80.41620
9666	8.28467	80.41500	9705	8.28493	80.41540	9744	8.28530	80.41580	9783	8.28557	80.41620
9667	8.28467	80.41500	9706	8.28496	80.41540	9745	8.28530	80.41580	9784	8.28556	80.41620
9668	8.28468	80.41500	9707	8.28498	80.41540	9746	8.28532	80.41580	9785	8.28551	80.41630
9669	8.28469	80.41500	9708	8.28498	80.41540	9747	8.28533	80.41580	9786	8.28545	80.41630

9787	8.28543	80.41640	9826	8.28436	80.41660	9865	8.28350	80.41680	9904	8.28245	80.41750
9788	8.28538	80.41640	9827	8.28433	80.41670	9866	8.28349	80.41680	9905	8.28245	80.41760
9789	8.28538	80.41640	9828	8.28431	80.41670	9867	8.28348	80.41680	9906	8.28245	80.41760
9790	8.28535	80.41640	9829	8.28431	80.41670	9868	8.28345	80.41680	9907	8.28245	80.41770
9791	8.28535	80.41640	9830	8.28428	80.41670	9869	8.28343	80.41680	9908	8.28245	80.41770
9792	8.28535	80.41640	9831	8.28425	80.41670	9870	8.28343	80.41680	9909	8.28246	80.41770
9793	8.28533	80.41640	9832	8.28423	80.41680	9871	8.28336	80.41680	9910	8.28247	80.41780
9794	8.28532	80.41640	9833	8.28422	80.41680	9872	8.28333	80.41680	9911	8.28248	80.41780
9795	8.28528	80.41640	9834	8.28421	80.41680	9873	8.28333	80.41680	9912	8.28249	80.41780
9796	8.28528	80.41640	9835	8.28419	80.41680	9874	8.28328	80.41680	9913	8.28251	80.41790
9797	8.28524	80.41640	9836	8.28417	80.41680	9875	8.28325	80.41680	9914	8.28252	80.41790
9798	8.28521	80.41640	9837	8.28416	80.41690	9876	8.28323	80.41690	9915	8.28219	80.41780
9799	8.28511	80.41640	9838	8.28416	80.41690	9877	8.28319	80.41690	9916	8.28181	80.41780
9800	8.28509	80.41640	9839	8.28414	80.41690	9878	8.28318	80.41690	9917	8.28158	80.41790
9801	8.28500	80.41640	9840	8.28414	80.41690	9879	8.28315	80.41690	9918	8.28157	80.41790
9802	8.28499	80.41640	9841	8.28412	80.41690	9880	8.28308	80.41690	9919	8.28157	80.41790
9803	8.28496	80.41640	9842	8.28410	80.41690	9881	8.28308	80.41690	9920	8.28156	80.41780
9804	8.28493	80.41640	9843	8.28409	80.41690	9882	8.28305	80.41690	9921	8.28156	80.41780
9805	8.28492	80.41640	9844	8.28406	80.41680	9883	8.28291	80.41700	9922	8.28155	80.41780
9806	8.28491	80.41640	9845	8.28402	80.41680	9884	8.28291	80.41700	9923	8.28155	80.41770
9807	8.28484	80.41650	9846	8.28399	80.41680	9885	8.28290	80.41700	9924	8.28155	80.41770
9808	8.28482	80.41650	9847	8.28398	80.41680	9886	8.28283	80.41710	9925	8.28155	80.41770
9809	8.28482	80.41650	9848	8.28395	80.41680	9887	8.28282	80.41710	9926	8.28155	80.41760
9810	8.28473	80.41650	9849	8.28394	80.41680	9888	8.28281	80.41710	9927	8.28155	80.41760
9811	8.28470	80.41650	9850	8.28391	80.41680	9889	8.28272	80.41710	9928	8.28154	80.41760
9812	8.28468	80.41650	9851	8.28391	80.41680	9890	8.28269	80.41720	9929	8.28155	80.41760
9813	8.28463	80.41650	9852	8.28387	80.41680	9891	8.28269	80.41720	9930	8.28155	80.41760
9814	8.28461	80.41650	9853	8.28387	80.41680	9892	8.28266	80.41720	9931	8.28155	80.41750
9815	8.28458	80.41650	9854	8.28382	80.41680	9893	8.28263	80.41720	9932	8.28155	80.41750
9816	8.28457	80.41650	9855	8.28379	80.41680	9894	8.28261	80.41720	9933	8.28155	80.41750
9817	8.28455	80.41650	9856	8.28372	80.41680	9895	8.28258	80.41730	9934	8.28156	80.41740
9818	8.28452	80.41650	9857	8.28372	80.41680	9896	8.28256	80.41730	9935	8.28156	80.41740
9819	8.28450	80.41660	9858	8.28368	80.41680	9897	8.28254	80.41730	9936	8.28157	80.41740
9820	8.28446	80.41660	9859	8.28365	80.41680	9898	8.28252	80.41730	9937	8.28157	80.41730
9821	8.28445	80.41660	9860	8.28365	80.41680	9899	8.28251	80.41740	9938	8.28158	80.41730
9822	8.28442	80.41660	9861	8.28361	80.41680	9900	8.28249	80.41740	9939	8.28159	80.41730
9823	8.28442	80.41660	9862	8.28359	80.41680	9901	8.28248	80.41740	9940	8.28159	80.41720
9824	8.28440	80.41660	9863	8.28358	80.41680	9902	8.28247	80.41750	9941	8.28160	80.41720
9825	8.28437	80.41660	9864	8.28356	80.41680	9903	8.28246	80.41750	9942	8.28161	80.41720

9943	8.28162	80.41720	9982	8.28236	80.41630	10021	8.28329	80.41590	10060	8.28401	80.41580
9944	8.28163	80.41710	9983	8.28242	80.41630	10022	8.28331	80.41590	10061	8.28402	80.41580
9945	8.28164	80.41710	9984	8.28243	80.41620	10023	8.28334	80.41590	10062	8.28403	80.41580
9946	8.28165	80.41710	9985	8.28245	80.41620	10024	8.28335	80.41590	10063	8.28406	80.41580
9947	8.28167	80.41700	9986	8.28246	80.41620	10025	8.28336	80.41590	10064	8.28405	80.41580
9948	8.28168	80.41700	9987	8.28246	80.41620	10026	8.28337	80.41590	10065	8.28404	80.41570
9949	8.28169	80.41700	9988	8.28246	80.41620	10027	8.28338	80.41590	10066	8.28402	80.41570
9950	8.28171	80.41700	9989	8.28247	80.41620	10028	8.28339	80.41590	10067	8.28401	80.41570
9951	8.28172	80.41690	9990	8.28260	80.41620	10029	8.28339	80.41590	10068	8.28400	80.41570
9952	8.28174	80.41690	9991	8.28262	80.41610	10030	8.28345	80.41590	10069	8.28400	80.41570
9953	8.28175	80.41690	9992	8.28265	80.41610	10031	8.28347	80.41590	10070	8.28400	80.41570
9954	8.28177	80.41680	9993	8.28268	80.41610	10032	8.28350	80.41590	10071	8.28399	80.41570
9955	8.28179	80.41680	9994	8.28268	80.41610	10033	8.28352	80.41590	10072	8.28399	80.41560
9956	8.28181	80.41680	9995	8.28268	80.41610	10034	8.28353	80.41590	10073	8.28399	80.41560
9957	8.28183	80.41680	9996	8.28269	80.41610	10035	8.28356	80.41590	10074	8.28397	80.41560
9958	8.28184	80.41670	9997	8.28276	80.41610	10036	8.28358	80.41590	10075	8.28396	80.41560
9959	8.28186	80.41670	9998	8.28278	80.41610	10037	8.28362	80.41590	10076	8.28395	80.41560
9960	8.28188	80.41670	9999	8.28281	80.41600	10038	8.28365	80.41590	10077	8.28394	80.41560
9961	8.28190	80.41670	10000	8.28283	80.41600	10039	8.28365	80.41590	10078	8.28394	80.41560
9962	8.28192	80.41660	10001	8.28284	80.41600	10040	8.28365	80.41590	10079	8.28394	80.41560
9963	8.28195	80.41660	10002	8.28285	80.41600	10041	8.28366	80.41590	10080	8.28394	80.41550
9964	8.28197	80.41660	10003	8.28286	80.41600	10042	8.28369	80.41590	10081	8.28393	80.41550
9965	8.28199	80.41660	10004	8.28290	80.41600	10043	8.28372	80.41590	10082	8.28392	80.41550
9966	8.28201	80.41650	10005	8.28292	80.41600	10044	8.28375	80.41590	10083	8.28392	80.41550
9967	8.28204	80.41650	10006	8.28294	80.41600	10045	8.28377	80.41590	10084	8.28391	80.41550
9968	8.28206	80.41650	10007	8.28296	80.41600	10046	8.28378	80.41590	10085	8.28390	80.41550
9969	8.28208	80.41650	10008	8.28298	80.41600	10047	8.28378	80.41590	10086	8.28390	80.41550
9970	8.28211	80.41650	10009	8.28301	80.41600	10048	8.28379	80.41590	10087	8.28389	80.41550
9971	8.28214	80.41640	10010	8.28304	80.41600	10049	8.28385	80.41590	10088	8.28388	80.41540
9972	8.28214	80.41640	10011	8.28309	80.41590	10050	8.28387	80.41590	10089	8.28387	80.41540
9973	8.28216	80.41640	10012	8.28309	80.41590	10051	8.28387	80.41590	10090	8.28387	80.41540
9974	8.28219	80.41640	10013	8.28309	80.41590	10052	8.28389	80.41590	10091	8.28386	80.41540
9975	8.28221	80.41640	10014	8.28310	80.41590	10053	8.28391	80.41590	10092	8.28386	80.41540
9976	8.28230	80.41630	10015	8.28312	80.41590	10054	8.28391	80.41580	10093	8.28384	80.41540
9977	8.28231	80.41630	10016	8.28316	80.41590	10055	8.28392	80.41580	10094	8.28384	80.41540
9978	8.28231	80.41630	10017	8.28319	80.41590	10056	8.28392	80.41580	10095	8.28383	80.41540
9979	8.28231	80.41630	10018	8.28325	80.41590	10057	8.28394	80.41580	10096	8.28382	80.41530
9980	8.28233	80.41630	10019	8.28325	80.41590	10058	8.28397	80.41580	10097	8.28382	80.41530
9981	8.28234	80.41630	10020	8.28327	80.41590	10059	8.28400	80.41580	10098	8.28382	80.41530

10099	8.28380	80.41530	10138	8.28360	80.41470	10177	8.28358	80.41410	10216	8.28391	80.41320
10100	8.28379	80.41530	10139	8.28360	80.41470	10178	8.28358	80.41400	10217	8.28392	80.41320
10101	8.28378	80.41530	10140	8.28359	80.41470	10179	8.28359	80.41400	10218	8.28393	80.41310
10102	8.28376	80.41520	10141	8.28359	80.41470	10180	8.28359	80.41400	10219	8.28394	80.41310
10103	8.28376	80.41520	10142	8.28358	80.41470	10181	8.28360	80.41400	10220	8.28395	80.41310
10104	8.28375	80.41520	10143	8.28358	80.41470	10182	8.28361	80.41390	10221	8.28395	80.41310
10105	8.28374	80.41520	10144	8.28358	80.41460	10183	8.28361	80.41390	10222	8.28395	80.41310
10106	8.28374	80.41520	10145	8.28358	80.41460	10184	8.28362	80.41390	10223	8.28397	80.41310
10107	8.28373	80.41520	10146	8.28357	80.41460	10185	8.28363	80.41380	10224	8.28397	80.41310
10108	8.28372	80.41510	10147	8.28357	80.41450	10186	8.28364	80.41380	10225	8.28398	80.41300
10109	8.28371	80.41510	10148	8.28357	80.41450	10187	8.28365	80.41380	10226	8.28398	80.41300
10110	8.28371	80.41510	10149	8.28357	80.41450	10188	8.28366	80.41380	10227	8.28399	80.41300
10111	8.28371	80.41510	10150	8.28356	80.41450	10189	8.28367	80.41370	10228	8.28399	80.41300
10112	8.28371	80.41510	10151	8.28356	80.41450	10190	8.28367	80.41370	10229	8.28399	80.41300
10113	8.28370	80.41510	10152	8.28356	80.41450	10191	8.28368	80.41370	10230	8.28399	80.41300
10114	8.28369	80.41510	10153	8.28356	80.41440	10192	8.28369	80.41370	10231	8.28400	80.41300
10115	8.28368	80.41500	10154	8.28356	80.41440	10193	8.28370	80.41370	10232	8.28400	80.41300
10116	8.28367	80.41500	10155	8.28356	80.41440	10194	8.28371	80.41360	10233	8.28400	80.41300
10117	8.28367	80.41500	10156	8.28356	80.41440	10195	8.28372	80.41360	10234	8.28400	80.41300
10118	8.28367	80.41500	10157	8.28356	80.41440	10196	8.28373	80.41360	10235	8.28401	80.41290
10119	8.28366	80.41500	10158	8.28356	80.41430	10197	8.28374	80.41360	10236	8.28401	80.41290
10120	8.28366	80.41500	10159	8.28356	80.41430	10198	8.28376	80.41350	10237	8.28402	80.41290
10121	8.28366	80.41500	10160	8.28356	80.41430	10199	8.28377	80.41350	10238	8.28402	80.41290
10122	8.28365	80.41490	10161	8.28356	80.41430	10200	8.28378	80.41350	10239	8.28403	80.41280
10123	8.28365	80.41490	10162	8.28356	80.41430	10201	8.28379	80.41350	10240	8.28403	80.41280
10124	8.28364	80.41490	10163	8.28356	80.41430	10202	8.28380	80.41350	10241	8.28403	80.41280
10125	8.28364	80.41490	10164	8.28356	80.41420	10203	8.28381	80.41340	10242	8.28404	80.41280
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10127	8.28364	80.41490	10166	8.28356	80.41420	10205	8.28383	80.41340	10244	8.28404	80.41280
10128	8.28363	80.41490	10167	8.28356	80.41420	10206	8.28383	80.41340	10245	8.28405	80.41280
10129	8.28363	80.41490	10168	8.28357	80.41420	10207	8.28384	80.41340	10246	8.28406	80.41280
10130	8.28363	80.41490	10169	8.28357	80.41420	10208	8.28384	80.41340	10247	8.28406	80.41270
10131	8.28363	80.41490	10170	8.28357	80.41420	10209	8.28385	80.41330	10248	8.28407	80.41270
10132	8.28362	80.41480	10171	8.28357	80.41410	10210	8.28385	80.41330	10249	8.28407	80.41270
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10134	8.28361	80.41480	10173	8.28357	80.41410	10212	8.28387	80.41330	10251	8.28407	80.41270
10135	8.28361	80.41480	10174	8.28357	80.41410	10213	8.28389	80.41320	10252	8.28407	80.41270
10136	8.28360	80.41480	10175	8.28358	80.41410	10214	8.28390	80.41320	10253	8.28407	80.41270
10137	8.28360	80.41480	10176	8.28358	80.41410	10215	8.28390	80.41320	10254	8.28408	80.41270

10255	8.28408	80.41270	10294	8.28428	80.41210	10333	8.28453	80.41170	10372	8.28478	80.41140
10256	8.28408	80.41270	10295	8.28428	80.41210	10334	8.28454	80.41170	10373	8.28479	80.41130
10257	8.28409	80.41270	10296	8.28429	80.41210	10335	8.28454	80.41170	10374	8.28479	80.41130
10258	8.28409	80.41260	10297	8.28429	80.41210	10336	8.28454	80.41170	10375	8.28480	80.41130
10259	8.28409	80.41260	10298	8.28430	80.41210	10337	8.28454	80.41170	10376	8.28481	80.41130
10260	8.28410	80.41260	10299	8.28431	80.41210	10338	8.28455	80.41170	10377	8.28481	80.41130
10261	8.28410	80.41260	10300	8.28432	80.41200	10339	8.28455	80.41170	10378	8.28481	80.41130
10262	8.28411	80.41260	10301	8.28432	80.41200	10340	8.28456	80.41160	10379	8.28482	80.41130
10263	8.28411	80.41260	10302	8.28433	80.41200	10341	8.28456	80.41160	10380	8.28482	80.41130
10264	8.28411	80.41260	10303	8.28433	80.41200	10342	8.28457	80.41160	10381	8.28482	80.41130
10265	8.28411	80.41260	10304	8.28434	80.41200	10343	8.28457	80.41160	10382	8.28482	80.41130
10266	8.28412	80.41250	10305	8.28434	80.41200	10344	8.28458	80.41160	10383	8.28483	80.41120
10267	8.28412	80.41250	10306	8.28435	80.41200	10345	8.28459	80.41160	10384	8.28483	80.41120
10268	8.28413	80.41250	10307	8.28437	80.41190	10346	8.28459	80.41160	10385	8.28483	80.41120
10269	8.28413	80.41250	10308	8.28438	80.41190	10347	8.28460	80.41160	10386	8.28483	80.41120
10270	8.28414	80.41250	10309	8.28439	80.41190	10348	8.28460	80.41160	10387	8.28483	80.41120
10271	8.28414	80.41250	10310	8.28439	80.41190	10349	8.28461	80.41160	10388	8.28484	80.41120
10272	8.28415	80.41250	10311	8.28439	80.41190	10350	8.28461	80.41160	10389	8.28484	80.41120
10273	8.28415	80.41250	10312	8.28440	80.41190	10351	8.28462	80.41160	10390	8.28484	80.41120
10274	8.28416	80.41240	10313	8.28440	80.41190	10352	8.28462	80.41160	10391	8.28484	80.41120
10275	8.28416	80.41240	10314	8.28441	80.41190	10353	8.28462	80.41160	10392	8.28485	80.41110
10276	8.28417	80.41240	10315	8.28442	80.41190	10354	8.28463	80.41150	10393	8.28485	80.41110
10277	8.28417	80.41240	10316	8.28444	80.41180	10355	8.28464	80.41150	10394	8.28486	80.41110
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10279	8.28418	80.41240	10318	8.28446	80.41180	10357	8.28467	80.41150	10396	8.28487	80.41100
10280	8.28419	80.41240	10319	8.28446	80.41180	10358	8.28467	80.41150	10397	8.28488	80.41100
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10282	8.28420	80.41240	10321	8.28446	80.41180	10360	8.28468	80.41150	10399	8.28489	80.41100
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10284	8.28421	80.41230	10323	8.28447	80.41180	10362	8.28470	80.41150	10401	8.28489	80.41090
10285	8.28422	80.41230	10324	8.28447	80.41180	10363	8.28471	80.41140	10402	8.28490	80.41090
10286	8.28424	80.41230	10325	8.28448	80.41180	10364	8.28472	80.41140	10403	8.28490	80.41090
10287	8.28424	80.41220	10326	8.28448	80.41180	10365	8.28473	80.41140	10404	8.28491	80.41090
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10289	8.28425	80.41220	10328	8.28449	80.41170	10367	8.28475	80.41140	10406	8.28493	80.41080
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10293	8.28428	80.41210	10332	8.28452	80.41170	10371	8.28477	80.41140	10410	8.28498	80.41070

10411	8.28498	80.41070	10450	8.28530	80.41030	10489	8.28588	80.40990	10528	8.28640	80.40980
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10414	8.28501	80.41070	10453	8.28536	80.41020	10492	8.28590	80.40990	10531	8.28644	80.40980
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10417	8.28504	80.41060	10456	8.28539	80.41020	10495	8.28591	80.40990	10534	8.28650	80.40980
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10419	8.28505	80.41060	10458	8.28543	80.41020	10497	8.28597	80.40990	10536	8.28650	80.40970
10420	8.28505	80.41060	10459	8.28546	80.41010	10498	8.28600	80.40990	10537	8.28650	80.40970
10421	8.28506	80.41060	10460	8.28547	80.41010	10499	8.28601	80.40990	10538	8.28651	80.40970
10422	8.28506	80.41060	10461	8.28549	80.41010	10500	8.28601	80.40990	10539	8.28652	80.40970
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10425	8.28508	80.41060	10464	8.28555	80.41010	10503	8.28602	80.40990	10542	8.28653	80.40960
10426	8.28508	80.41060	10465	8.28557	80.41010	10504	8.28602	80.40990	10543	8.28653	80.40960
10427	8.28509	80.41050	10466	8.28560	80.41000	10505	8.28603	80.40990	10544	8.28653	80.40960
10428	8.28509	80.41050	10467	8.28562	80.41000	10506	8.28603	80.40980	10545	8.28653	80.40960
10429	8.28510	80.41050	10468	8.28562	80.41000	10507	8.28604	80.40980	10546	8.28654	80.40960
10430	8.28511	80.41050	10469	8.28563	80.41000	10508	8.28605	80.40980	10547	8.28654	80.40950
10431	8.28512	80.41050	10470	8.28564	80.41000	10509	8.28606	80.40980	10548	8.28655	80.40950
10432	8.28512	80.41050	10471	8.28564	80.41000	10510	8.28608	80.40980	10549	8.28656	80.40950
10433	8.28513	80.41050	10472	8.28565	80.41000	10511	8.28611	80.40980	10550	8.28656	80.40940
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10435	8.28516	80.41050	10474	8.28569	80.41000	10513	8.28614	80.40980	10552	8.28656	80.40940
10436	8.28516	80.41040	10475	8.28572	80.41000	10514	8.28615	80.40980	10553	8.28656	80.40940
10437	8.28518	80.41040	10476	8.28574	80.41000	10515	8.28615	80.40980	10554	8.28656	80.40930
10438	8.28519	80.41040	10477	8.28574	80.41000	10516	8.28616	80.40980	10555	8.28656	80.40930
10439	8.28519	80.41040	10478	8.28575	80.41000	10517	8.28619	80.40980	10556	8.28656	80.40930
10440	8.28520	80.41040	10479	8.28576	80.41000	10518	8.28622	80.40980	10557	8.28656	80.40930
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10442	8.28522	80.41040	10481	8.28580	80.40990	10520	8.28627	80.40980	10559	8.28657	80.40930
10443	8.28523	80.41040	10482	8.28583	80.40990	10521	8.28629	80.40980	10560	8.28657	80.40920
10444	8.28523	80.41040	10483	8.28586	80.40990	10522	8.28631	80.40980	10561	8.28657	80.40920
10445	8.28523	80.41040	10484	8.28586	80.40990	10523	8.28633	80.40980	10562	8.28658	80.40920
10446	8.28524	80.41040	10485	8.28587	80.40990	10524	8.28634	80.40980	10563	8.28658	80.40920
10447	8.28526	80.41030	10486	8.28587	80.40990	10525	8.28635	80.40980	10564	8.28659	80.40910
10448	8.28528	80.41030	10487	8.28587	80.40990	10526	8.28636	80.40980	10565	8.28659	80.40910
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10567	8.28659	80.40910	10606	8.28679	80.40850	10645	8.28733	80.40780	10684	8.28757	80.40730
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10570	8.28661	80.40900	10609	8.28681	80.40850	10648	8.28738	80.40780	10687	8.28757	80.40730
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10573	8.28662	80.40900	10612	8.28684	80.40850	10651	8.28741	80.40770	10690	8.28757	80.40730
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10575	8.28662	80.40900	10614	8.28684	80.40840	10653	8.28745	80.40770	10692	8.28757	80.40720
10576	8.28662	80.40900	10615	8.28685	80.40840	10654	8.28746	80.40770	10693	8.28757	80.40720
10577	8.28663	80.40900	10616	8.28686	80.40840	10655	8.28746	80.40770	10694	8.28757	80.40720
10578	8.28663	80.40890	10617	8.28687	80.40840	10656	8.28746	80.40770	10695	8.28757	80.40720
10579	8.28664	80.40890	10618	8.28687	80.40840	10657	8.28747	80.40770	10696	8.28757	80.40720
10580	8.28664	80.40890	10619	8.28688	80.40840	10658	8.28748	80.40770	10697	8.28757	80.40720
10581	8.28665	80.40890	10620	8.28689	80.40840	10659	8.28750	80.40770	10698	8.28757	80.40720
10582	8.28666	80.40890	10621	8.28689	80.40840	10660	8.28751	80.40770	10699	8.28758	80.40710
10583	8.28666	80.40890	10622	8.28689	80.40840	10661	8.28752	80.40760	10700	8.28758	80.40710
10584	8.28666	80.40890	10623	8.28690	80.40830	10662	8.28753	80.40760	10701	8.28758	80.40710
10585	8.28667	80.40880	10624	8.28691	80.40830	10663	8.28754	80.40760	10702	8.28758	80.40710
10586	8.28668	80.40880	10625	8.28692	80.40830	10664	8.28755	80.40760	10703	8.28759	80.40710
10587	8.28668	80.40880	10626	8.28693	80.40830	10665	8.28756	80.40760	10704	8.28759	80.40700
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10590	8.28670	80.40880	10629	8.28695	80.40830	10668	8.28758	80.40760	10707	8.28760	80.40700
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10593	8.28671	80.40870	10632	8.28700	80.40820	10671	8.28758	80.40750	10710	8.28761	80.40690
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10595	8.28672	80.40870	10634	8.28704	80.40810	10673	8.28757	80.40750	10712	8.28763	80.40680
10596	8.28673	80.40870	10635	8.28706	80.40810	10674	8.28757	80.40750	10713	8.28763	80.40680
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10598	8.28675	80.40860	10637	8.28708	80.40810	10676	8.28757	80.40740	10715	8.28764	80.40680
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10601	8.28676	80.40860	10640	8.28729	80.40790	10679	8.28757	80.40740	10718	8.28765	80.40680
10602	8.28676	80.40860	10641	8.28730	80.40790	10680	8.28757	80.40740	10719	8.28766	80.40670
10603	8.28677	80.40860	10642	8.28731	80.40790	10681	8.28757	80.40740	10720	8.28766	80.40670
10604	8.28678	80.40860	10643	8.28732	80.40780	10682	8.28757	80.40730	10721	8.28767	80.40670
10605	8.28679	80.40860	10644	8.28732	80.40780	10683	8.28757	80.40730	10722	8.28767	80.40670

10723	8.28767	80.40670	10762	8.28789	80.40610	10801	8.28850	80.40550	10840	8.28894	80.40500
10724	8.28770	80.40660	10763	8.28789	80.40610	10802	8.28851	80.40540	10841	8.28894	80.40500
10725	8.28770	80.40660	10764	8.28790	80.40610	10803	8.28852	80.40540	10842	8.28894	80.40500
10726	8.28771	80.40660	10765	8.28792	80.40610	10804	8.28853	80.40540	10843	8.28894	80.40500
10727	8.28772	80.40650	10766	8.28793	80.40600	10805	8.28855	80.40540	10844	8.28892	80.40490
10728	8.28772	80.40650	10767	8.28795	80.40600	10806	8.28858	80.40540	10845	8.28892	80.40490
10729	8.28772	80.40650	10768	8.28797	80.40600	10807	8.28860	80.40540	10846	8.28892	80.40490
10730	8.28772	80.40650	10769	8.28798	80.40590	10808	8.28863	80.40540	10847	8.28892	80.40490
10731	8.28773	80.40650	10770	8.28800	80.40590	10809	8.28866	80.40540	10848	8.28891	80.40490
10732	8.28773	80.40650	10771	8.28802	80.40590	10810	8.28869	80.40540	10849	8.28889	80.40480
10733	8.28774	80.40650	10772	8.28804	80.40590	10811	8.28869	80.40540	10850	8.28888	80.40480
10734	8.28774	80.40650	10773	8.28804	80.40590	10812	8.28870	80.40540	10851	8.28888	80.40480
10735	8.28775	80.40640	10774	8.28805	80.40590	10813	8.28870	80.40540	10852	8.28888	80.40480
10736	8.28775	80.40640	10775	8.28805	80.40590	10814	8.28873	80.40530	10853	8.28888	80.40480
10737	8.28775	80.40640	10776	8.28806	80.40580	10815	8.28876	80.40530	10854	8.28887	80.40480
10738	8.28776	80.40640	10777	8.28808	80.40580	10816	8.28879	80.40530	10855	8.28887	80.40480
10739	8.28777	80.40640	10778	8.28809	80.40580	10817	8.28881	80.40530	10856	8.28887	80.40480
10740	8.28778	80.40640	10779	8.28811	80.40580	10818	8.28884	80.40530	10857	8.28887	80.40480
10741	8.28778	80.40630	10780	8.28813	80.40580	10819	8.28887	80.40530	10858	8.28887	80.40480
10742	8.28778	80.40630	10781	8.28815	80.40570	10820	8.28890	80.40530	10859	8.28886	80.40480
10743	8.28778	80.40630	10782	8.28817	80.40570	10821	8.28891	80.40530	10860	8.28886	80.40480
10744	8.28779	80.40630	10783	8.28818	80.40570	10822	8.28892	80.40530	10861	8.28885	80.40470
10745	8.28779	80.40630	10784	8.28819	80.40570	10823	8.28893	80.40530	10862	8.28884	80.40470
10746	8.28780	80.40630	10785	8.28821	80.40570	10824	8.28897	80.40530	10863	8.28883	80.40470
10747	8.28780	80.40630	10786	8.28823	80.40570	10825	8.28898	80.40530	10864	8.28883	80.40470
10748	8.28781	80.40630	10787	8.28825	80.40560	10826	8.28898	80.40520	10865	8.28883	80.40470
10749	8.28781	80.40630	10788	8.28827	80.40560	10827	8.28897	80.40520	10866	8.28882	80.40470
10750	8.28781	80.40630	10789	8.28830	80.40560	10828	8.28897	80.40520	10867	8.28882	80.40470
10751	8.28782	80.40630	10790	8.28832	80.40560	10829	8.28897	80.40520	10868	8.28882	80.40470
10752	8.28782	80.40630	10791	8.28833	80.40560	10830	8.28897	80.40520	10869	8.28881	80.40460
10753	8.28782	80.40630	10792	8.28833	80.40560	10831	8.28896	80.40520	10870	8.28880	80.40460
10754	8.28783	80.40620	10793	8.28834	80.40560	10832	8.28896	80.40520	10871	8.28879	80.40460
10755	8.28784	80.40620	10794	8.28836	80.40560	10833	8.28896	80.40510	10872	8.28878	80.40460
10756	8.28784	80.40620	10795	8.28838	80.40550	10834	8.28895	80.40510	10873	8.28878	80.40460
10757	8.28785	80.40620	10796	8.28840	80.40550	10835	8.28895	80.40510	10874	8.28878	80.40460
10758	8.28786	80.40620	10797	8.28842	80.40550	10836	8.28895	80.40510	10875	8.28878	80.40460
10759	8.28788	80.40610	10798	8.28844	80.40550	10837	8.28895	80.40510	10876	8.28878	80.40460
10760	8.28789	80.40610	10799	8.28848	80.40550	10838	8.28895	80.40510	10877	8.28877	80.40450
10761	8.28789	80.40610	10800	8.28850	80.40550	10839	8.28895	80.40510	10878	8.28877	80.40450

10879	8.28876	80.40450	10918	8.28855	80.40370	10957	8.28866	80.40260	10996	8.28956	80.40130
10880	8.28875	80.40450	10919	8.28855	80.40360	10958	8.28867	80.40260	10997	8.28957	80.40130
10881	8.28874	80.40450	10920	8.28855	80.40360	10959	8.28869	80.40260	10998	8.28958	80.40130
10882	8.28873	80.40440	10921	8.28855	80.40360	10960	8.28870	80.40250	10999	8.28958	80.40130
10883	8.28872	80.40440	10922	8.28854	80.40360	10961	8.28871	80.40250	11000	8.28958	80.40130
10884	8.28871	80.40440	10923	8.28854	80.40350	10962	8.28872	80.40250	11001	8.28960	80.40130
10885	8.28871	80.40440	10924	8.28854	80.40350	10963	8.28874	80.40240	11002	8.28961	80.40130
10886	8.28871	80.40440	10925	8.28854	80.40350	10964	8.28875	80.40240	11003	8.28962	80.40130
10887	8.28870	80.40440	10926	8.28854	80.40350	10965	8.28876	80.40240	11004	8.28963	80.40130
10888	8.28870	80.40430	10927	8.28854	80.40350	10966	8.28877	80.40240	11005	8.28964	80.40120
10889	8.28870	80.40430	10928	8.28854	80.40350	10967	8.28886	80.40220	11006	8.28965	80.40120
10890	8.28869	80.40430	10929	8.28854	80.40340	10968	8.28902	80.40190	11007	8.28965	80.40120
10891	8.28868	80.40430	10930	8.28854	80.40340	10969	8.28903	80.40190	11008	8.28966	80.40120
10892	8.28867	80.40420	10931	8.28854	80.40340	10970	8.28903	80.40190	11009	8.28966	80.40120
10893	8.28867	80.40420	10932	8.28854	80.40340	10971	8.28904	80.40190	11010	8.28967	80.40120
10894	8.28867	80.40420	10933	8.28854	80.40340	10972	8.28906	80.40180	11011	8.28968	80.40120
10895	8.28867	80.40420	10934	8.28854	80.40330	10973	8.28908	80.40180	11012	8.28969	80.40120
10896	8.28862	80.40400	10935	8.28854	80.40330	10974	8.28909	80.40180	11013	8.28969	80.40120
10897	8.28861	80.40400	10936	8.28854	80.40330	10975	8.28911	80.40180	11014	8.28971	80.40120
10898	8.28861	80.40400	10937	8.28854	80.40330	10976	8.28913	80.40170	11015	8.28974	80.40120
10899	8.28861	80.40400	10938	8.28854	80.40330	10977	8.28915	80.40170	11016	8.28976	80.40120
10900	8.28860	80.40400	10939	8.28854	80.40320	10978	8.28920	80.40160	11017	8.28977	80.40120
10901	8.28859	80.40390	10940	8.28854	80.40320	10979	8.28921	80.40160	11018	8.28977	80.40120
10902	8.28859	80.40390	10941	8.28856	80.40310	10980	8.28922	80.40160	11019	8.28978	80.40120
10903	8.28859	80.40390	10942	8.28856	80.40310	10981	8.28925	80.40160	11020	8.28979	80.40120
10904	8.28858	80.40390	10943	8.28856	80.40300	10982	8.28927	80.40160	11021	8.28981	80.40110
10905	8.28858	80.40390	10944	8.28856	80.40300	10983	8.28929	80.40150	11022	8.28984	80.40110
10906	8.28858	80.40380	10945	8.28857	80.40300	10984	8.28931	80.40150	11023	8.28987	80.40110
10907	8.28858	80.40380	10946	8.28857	80.40300	10985	8.28933	80.40150	11024	8.28990	80.40110
10908	8.28857	80.40380	10947	8.28858	80.40290	10986	8.28935	80.40150	11025	8.28993	80.40110
10909	8.28857	80.40380	10948	8.28858	80.40290	10987	8.28938	80.40150	11026	8.28996	80.40110
10910	8.28857	80.40380	10949	8.28859	80.40290	10988	8.28940	80.40140	11027	8.28997	80.40110
10911	8.28856	80.40380	10950	8.28860	80.40280	10989	8.28942	80.40140	11028	8.28998	80.40110
10912	8.28856	80.40370	10951	8.28860	80.40280	10990	8.28945	80.40140	11029	8.28998	80.40110
10913	8.28856	80.40370	10952	8.28860	80.40280	10991	8.28946	80.40140	11030	8.29000	80.40100
10914	8.28856	80.40370	10953	8.28860	80.40280	10992	8.28948	80.40140	11031	8.29000	80.40100
10915	8.28856	80.40370	10954	8.28864	80.40270	10993	8.28951	80.40130	11032	8.29001	80.40100
10916	8.28856	80.40370	10955	8.28865	80.40270	10994	8.28953	80.40130	11033	8.29002	80.40100
10917	8.28856	80.40370	10956	8.28866	80.40260	10995	8.28955	80.40130	11034	8.29005	80.40100

11035	8.29006	80.40100	11074	8.29073	80.40070	11113	8.29130	80.39970	11152	8.29225	80.39900
11036	8.29007	80.40100	11075	8.29074	80.40070	11114	8.29131	80.39970	11153	8.29227	80.39900
11037	8.29008	80.40100	11076	8.29074	80.40070	11115	8.29134	80.39970	11154	8.29230	80.39900
11038	8.29010	80.40100	11077	8.29075	80.40070	11116	8.29136	80.39960	11155	8.29233	80.39890
11039	8.29010	80.40100	11078	8.29076	80.40060	11117	8.29136	80.39960	11156	8.29236	80.39890
11040	8.29012	80.40100	11079	8.29077	80.40060	11118	8.29137	80.39960	11157	8.29239	80.39890
11041	8.29014	80.40100	11080	8.29077	80.40060	11119	8.29137	80.39960	11158	8.29242	80.39890
11042	8.29015	80.40100	11081	8.29078	80.40060	11120	8.29145	80.39960	11159	8.29242	80.39890
11043	8.29016	80.40100	11082	8.29079	80.40060	11121	8.29147	80.39950	11160	8.29243	80.39890
11044	8.29017	80.40100	11083	8.29080	80.40050	11122	8.29149	80.39950	11161	8.29243	80.39890
11045	8.29018	80.40100	11084	8.29081	80.40050	11123	8.29150	80.39950	11162	8.29253	80.39890
11046	8.29019	80.40100	11085	8.29082	80.40050	11124	8.29153	80.39950	11163	8.29255	80.39890
11047	8.29022	80.40100	11086	8.29083	80.40050	11125	8.29155	80.39950	11164	8.29257	80.39880
11048	8.29024	80.40100	11087	8.29084	80.40050	11126	8.29158	80.39940	11165	8.29259	80.39880
11049	8.29024	80.40100	11088	8.29087	80.40040	11127	8.29159	80.39940	11166	8.29262	80.39880
11050	8.29027	80.40090	11089	8.29087	80.40040	11128	8.29160	80.39940	11167	8.29265	80.39880
11051	8.29029	80.40090	11090	8.29088	80.40040	11129	8.29161	80.39940	11168	8.29267	80.39880
11052	8.29029	80.40090	11091	8.29088	80.40040	11130	8.29170	80.39930	11169	8.29272	80.39880
11053	8.29030	80.40090	11092	8.29089	80.40030	11131	8.29172	80.39930	11170	8.29273	80.39880
11054	8.29030	80.40090	11093	8.29091	80.40030	11132	8.29173	80.39930	11171	8.29273	80.39880
11055	8.29032	80.40090	11094	8.29093	80.40030	11133	8.29175	80.39930	11172	8.29274	80.39870
11056	8.29033	80.40090	11095	8.29093	80.40030	11134	8.29176	80.39930	11173	8.29274	80.39870
11057	8.29034	80.40090	11096	8.29099	80.40020	11135	8.29178	80.39930	11174	8.29275	80.39870
11058	8.29035	80.40090	11097	8.29099	80.40020	11136	8.29180	80.39930	11175	8.29276	80.39870
11059	8.29036	80.40090	11098	8.29100	80.40010	11137	8.29189	80.39920	11176	8.29277	80.39860
11060	8.29038	80.40090	11099	8.29100	80.40010	11138	8.29195	80.39920	11177	8.29278	80.39860
11061	8.29039	80.40090	11100	8.29109	80.40000	11139	8.29197	80.39920	11178	8.29278	80.39860
11062	8.29040	80.40090	11101	8.29110	80.40000	11140	8.29198	80.39920	11179	8.29278	80.39860
11063	8.29042	80.40090	11102	8.29111	80.40000	11141	8.29199	80.39920	11180	8.29281	80.39850
11064	8.29042	80.40090	11103	8.29112	80.39990	11142	8.29200	80.39910	11181	8.29282	80.39850
11065	8.29043	80.40090	11104	8.29113	80.39990	11143	8.29202	80.39910	11182	8.29282	80.39850
11066	8.29043	80.40090	11105	8.29114	80.39990	11144	8.29205	80.39910	11183	8.29283	80.39850
11067	8.29061	80.40080	11106	8.29115	80.39990	11145	8.29208	80.39910	11184	8.29284	80.39840
11068	8.29063	80.40080	11107	8.29120	80.39980	11146	8.29210	80.39910	11185	8.29286	80.39840
11069	8.29065	80.40080	11108	8.29121	80.39980	11147	8.29212	80.39910	11186	8.29287	80.39840
11070	8.29067	80.40080	11109	8.29123	80.39980	11148	8.29214	80.39910	11187	8.29288	80.39840
11071	8.29068	80.40080	11110	8.29123	80.39980	11149	8.29223	80.39900	11188	8.29289	80.39830
11072	8.29073	80.40080	11111	8.29125	80.39980	11150	8.29224	80.39900	11189	8.29289	80.39830
11073	8.29073	80.40080	11112	8.29128	80.39970	11151	8.29224	80.39900	11190	8.29293	80.39830

11191	8.29294	80.39820	11230	8.29363	80.39750	11269	8.29463	80.39720	11308	8.29542	80.39680
11192	8.29295	80.39820	11231	8.29365	80.39750	11270	8.29468	80.39720	11309	8.29544	80.39680
11193	8.29295	80.39820	11232	8.29368	80.39740	11271	8.29468	80.39720	11310	8.29547	80.39680
11194	8.29297	80.39820	11233	8.29370	80.39740	11272	8.29469	80.39720	11311	8.29550	80.39680
11195	8.29298	80.39820	11234	8.29373	80.39740	11273	8.29469	80.39720	11312	8.29553	80.39680
11196	8.29300	80.39810	11235	8.29376	80.39740	11274	8.29474	80.39720	11313	8.29555	80.39680
11197	8.29304	80.39810	11236	8.29379	80.39740	11275	8.29476	80.39720	11314	8.29557	80.39680
11198	8.29304	80.39810	11237	8.29381	80.39740	11276	8.29478	80.39720	11315	8.29558	80.39670
11199	8.29305	80.39810	11238	8.29384	80.39740	11277	8.29480	80.39720	11316	8.29567	80.39670
11200	8.29305	80.39810	11239	8.29387	80.39730	11278	8.29484	80.39720	11317	8.29568	80.39670
11201	8.29306	80.39810	11240	8.29390	80.39730	11279	8.29484	80.39720	11318	8.29569	80.39670
11202	8.29306	80.39800	11241	8.29393	80.39730	11280	8.29484	80.39720	11319	8.29571	80.39670
11203	8.29307	80.39800	11242	8.29396	80.39730	11281	8.29487	80.39720	11320	8.29573	80.39670
11204	8.29312	80.39800	11243	8.29399	80.39730	11282	8.29489	80.39720	11321	8.29577	80.39670
11205	8.29312	80.39800	11244	8.29402	80.39730	11283	8.29489	80.39720	11322	8.29580	80.39670
11206	8.29313	80.39800	11245	8.29405	80.39730	11284	8.29491	80.39720	11323	8.29583	80.39670
11207	8.29313	80.39790	11246	8.29408	80.39730	11285	8.29493	80.39720	11324	8.29585	80.39670
11208	8.29316	80.39790	11247	8.29411	80.39730	11286	8.29495	80.39720	11325	8.29585	80.39670
11209	8.29316	80.39790	11248	8.29413	80.39730	11287	8.29498	80.39710	11326	8.29597	80.39650
11210	8.29317	80.39790	11249	8.29421	80.39720	11288	8.29498	80.39710	11327	8.29597	80.39650
11211	8.29318	80.39790	11250	8.29421	80.39720	11289	8.29498	80.39710	11328	8.29599	80.39650
11212	8.29319	80.39790	11251	8.29422	80.39720	11290	8.29498	80.39710	11329	8.29600	80.39650
11213	8.29322	80.39780	11252	8.29422	80.39720	11291	8.29500	80.39710	11330	8.29602	80.39650
11214	8.29324	80.39780	11253	8.29425	80.39720	11292	8.29503	80.39710	11331	8.29604	80.39640
11215	8.29327	80.39780	11254	8.29429	80.39720	11293	8.29505	80.39710	11332	8.29606	80.39640
11216	8.29327	80.39780	11255	8.29432	80.39720	11294	8.29508	80.39700	11333	8.29619	80.39630
11217	8.29329	80.39780	11256	8.29435	80.39720	11295	8.29510	80.39700	11334	8.29622	80.39620
11218	8.29331	80.39770	11257	8.29438	80.39720	11296	8.29513	80.39700	11335	8.29624	80.39620
11219	8.29333	80.39770	11258	8.29441	80.39720	11297	8.29515	80.39700	11336	8.29626	80.39620
11220	8.29335	80.39770	11259	8.29444	80.39720	11298	8.29518	80.39700	11337	8.29629	80.39620
11221	8.29338	80.39770	11260	8.29448	80.39720	11299	8.29520	80.39690	11338	8.29631	80.39620
11222	8.29340	80.39760	11261	8.29451	80.39720	11300	8.29520	80.39690	11339	8.29634	80.39610
11223	8.29342	80.39760	11262	8.29451	80.39720	11301	8.29521	80.39690	11340	8.29636	80.39610
11224	8.29345	80.39760	11263	8.29455	80.39720	11302	8.29521	80.39690	11341	8.29638	80.39610
11225	8.29347	80.39760	11264	8.29456	80.39720	11303	8.29528	80.39690	11342	8.29640	80.39610
11226	8.29350	80.39760	11265	8.29456	80.39720	11304	8.29531	80.39690	11343	8.29642	80.39610
11227	8.29353	80.39750	11266	8.29457	80.39720	11305	8.29534	80.39690	11344	8.29643	80.39610
11228	8.29355	80.39750	11267	8.29457	80.39720	11306	8.29536	80.39680	11345	8.29645	80.39600
11229	8.29355	80.39750	11268	8.29463	80.39720	11307	8.29539	80.39680	11346	8.29646	80.39600

11347	8.29650	80.39600	11386	8.29725	80.39430	11425	8.29767	80.39330	11464	8.29855	80.39270
11348	8.29651	80.39600	11387	8.29726	80.39430	11426	8.29769	80.39330	11465	8.29857	80.39270
11349	8.29652	80.39600	11388	8.29726	80.39420	11427	8.29770	80.39330	11466	8.29858	80.39270
11350	8.29653	80.39600	11389	8.29727	80.39420	11428	8.29778	80.39320	11467	8.29861	80.39270
11351	8.29655	80.39600	11390	8.29727	80.39420	11429	8.29778	80.39320	11468	8.29862	80.39270
11352	8.29658	80.39590	11391	8.29728	80.39420	11430	8.29779	80.39320	11469	8.29864	80.39270
11353	8.29660	80.39590	11392	8.29729	80.39410	11431	8.29780	80.39320	11470	8.29865	80.39270
11354	8.29662	80.39590	11393	8.29730	80.39410	11432	8.29781	80.39320	11471	8.29868	80.39270
11355	8.29663	80.39590	11394	8.29730	80.39410	11433	8.29784	80.39320	11472	8.29872	80.39260
11356	8.29673	80.39580	11395	8.29731	80.39410	11434	8.29786	80.39310	11473	8.29875	80.39260
11357	8.29674	80.39580	11396	8.29732	80.39400	11435	8.29788	80.39310	11474	8.29877	80.39260
11358	8.29685	80.39560	11397	8.29733	80.39400	11436	8.29790	80.39310	11475	8.29881	80.39260
11359	8.29703	80.39520	11398	8.29733	80.39400	11437	8.29792	80.39310	11476	8.29884	80.39260
11360	8.29713	80.39500	11399	8.29733	80.39400	11438	8.29798	80.39300	11477	8.29886	80.39260
11361	8.29721	80.39470	11400	8.29733	80.39400	11439	8.29799	80.39300	11478	8.29888	80.39260
11362	8.29722	80.39470	11401	8.29735	80.39390	11440	8.29799	80.39300	11479	8.29890	80.39260
11363	8.29722	80.39470	11402	8.29736	80.39390	11441	8.29800	80.39300	11480	8.29894	80.39260
11364	8.29723	80.39470	11403	8.29737	80.39390	11442	8.29802	80.39300	11481	8.29895	80.39260
11365	8.29723	80.39470	11404	8.29738	80.39390	11443	8.29805	80.39300	11482	8.29897	80.39260
11366	8.29723	80.39470	11405	8.29739	80.39380	11444	8.29807	80.39290	11483	8.29898	80.39260
11367	8.29723	80.39460	11406	8.29740	80.39380	11445	8.29809	80.39290	11484	8.29901	80.39260
11368	8.29723	80.39460	11407	8.29741	80.39380	11446	8.29812	80.39290	11485	8.29905	80.39260
11369	8.29723	80.39460	11408	8.29743	80.39370	11447	8.29815	80.39290	11486	8.29908	80.39260
11370	8.29723	80.39460	11409	8.29743	80.39370	11448	8.29817	80.39290	11487	8.29910	80.39260
11371	8.29723	80.39460	11410	8.29744	80.39370	11449	8.29820	80.39290	11488	8.29913	80.39260
11372	8.29723	80.39460	11411	8.29744	80.39370	11450	8.29823	80.39280	11489	8.29916	80.39260
11373	8.29723	80.39460	11412	8.29745	80.39370	11451	8.29823	80.39280	11490	8.29920	80.39260
11374	8.29723	80.39450	11413	8.29747	80.39370	11452	8.29824	80.39280	11491	8.29921	80.39260
11375	8.29723	80.39450	11414	8.29748	80.39360	11453	8.29825	80.39280	11492	8.29921	80.39260
11376	8.29723	80.39450	11415	8.29749	80.39360	11454	8.29830	80.39280	11493	8.29922	80.39260
11377	8.29723	80.39450	11416	8.29750	80.39360	11455	8.29832	80.39280	11494	8.29923	80.39260
11378	8.29723	80.39450	11417	8.29751	80.39360	11456	8.29834	80.39280	11495	8.29924	80.39260
11379	8.29723	80.39450	11418	8.29758	80.39350	11457	8.29836	80.39280	11496	8.29925	80.39260
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11382	8.29724	80.39440	11421	8.29760	80.39340	11460	8.29845	80.39270	11499	8.29934	80.39260
11383	8.29725	80.39440	11422	8.29762	80.39340	11461	8.29847	80.39270	11500	8.29935	80.39260
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11385	8.29725	80.39430	11424	8.29765	80.39340	11463	8.29853	80.39270	11502	8.29939	80.39260

11503	8.29941	80.39260	11542	8.30028	80.39300	11581	8.30136	80.39230	11620	8.30232	80.39220
11504	8.29945	80.39260	11543	8.30028	80.39300	11582	8.30138	80.39230	11621	8.30234	80.39220
11505	8.29947	80.39260	11544	8.30049	80.39280	11583	8.30141	80.39230	11622	8.30237	80.39220
11506	8.29948	80.39260	11545	8.30050	80.39280	11584	8.30144	80.39230	11623	8.30239	80.39220
11507	8.29949	80.39260	11546	8.30050	80.39280	11585	8.30145	80.39230	11624	8.30243	80.39220
11508	8.29952	80.39270	11547	8.30053	80.39280	11586	8.30147	80.39230	11625	8.30244	80.39220
11509	8.29955	80.39270	11548	8.30054	80.39280	11587	8.30149	80.39230	11626	8.30245	80.39220
11510	8.29958	80.39270	11549	8.30055	80.39280	11588	8.30154	80.39230	11627	8.30245	80.39220
11511	8.29961	80.39270	11550	8.30056	80.39280	11589	8.30156	80.39230	11628	8.30247	80.39220
11512	8.29964	80.39270	11551	8.30058	80.39280	11590	8.30157	80.39230	11629	8.30249	80.39220
11513	8.29967	80.39270	11552	8.30061	80.39270	11591	8.30158	80.39230	11630	8.30249	80.39220
11514	8.29972	80.39270	11553	8.30063	80.39270	11592	8.30160	80.39230	11631	8.30253	80.39220
11515	8.29972	80.39270	11554	8.30066	80.39270	11593	8.30161	80.39230	11632	8.30253	80.39220
11516	8.29975	80.39270	11555	8.30068	80.39270	11594	8.30162	80.39230	11633	8.30262	80.39230
11517	8.29978	80.39270	11556	8.30071	80.39270	11595	8.30172	80.39220	11634	8.30264	80.39230
11518	8.29981	80.39270	11557	8.30071	80.39270	11596	8.30173	80.39220	11635	8.30266	80.39230
11519	8.29984	80.39280	11558	8.30082	80.39260	11597	8.30175	80.39220	11636	8.30267	80.39230
11520	8.29987	80.39280	11559	8.30082	80.39260	11598	8.30177	80.39220	11637	8.30269	80.39230
11521	8.29990	80.39280	11560	8.30082	80.39260	11599	8.30180	80.39220	11638	8.30271	80.39230
11522	8.29990	80.39280	11561	8.30083	80.39260	11600	8.30183	80.39220	11639	8.30273	80.39230
11523	8.29990	80.39280	11562	8.30085	80.39260	11601	8.30186	80.39220	11640	8.30277	80.39230
11524	8.29990	80.39280	11563	8.30088	80.39250	11602	8.30195	80.39220	11641	8.30278	80.39230
11525	8.29995	80.39280	11564	8.30091	80.39250	11603	8.30196	80.39220	11642	8.30279	80.39230
11526	8.29997	80.39280	11565	8.30093	80.39250	11604	8.30196	80.39220	11643	8.30280	80.39230
11527	8.30000	80.39280	11566	8.30096	80.39250	11605	8.30196	80.39220	11644	8.30283	80.39230
11528	8.30002	80.39290	11567	8.30099	80.39250	11606	8.30199	80.39220	11645	8.30286	80.39230
11529	8.30004	80.39290	11568	8.30101	80.39250	11607	8.30203	80.39220	11646	8.30288	80.39230
11530	8.30005	80.39290	11569	8.30102	80.39250	11608	8.30206	80.39220	11647	8.30290	80.39230
11531	8.30006	80.39290	11570	8.30104	80.39250	11609	8.30207	80.39220	11648	8.30292	80.39230
11532	8.30011	80.39290	11571	8.30117	80.39240	11610	8.30207	80.39220	11649	8.30292	80.39230
11533	8.30012	80.39290	11572	8.30118	80.39240	11611	8.30208	80.39220	11650	8.30293	80.39230
11534	8.30014	80.39290	11573	8.30119	80.39240	11612	8.30213	80.39220	11651	8.30294	80.39230
11535	8.30015	80.39290	11574	8.30120	80.39240	11613	8.30213	80.39220	11652	8.30296	80.39230
11536	8.30017	80.39290	11575	8.30123	80.39240	11614	8.30217	80.39220	11653	8.30298	80.39230
11537	8.30020	80.39300	11576	8.30127	80.39240	11615	8.30221	80.39220	11654	8.30300	80.39230
11538	8.30023	80.39300	11577	8.30129	80.39230	11616	8.30221	80.39220	11655	8.30306	80.39230
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11541	8.30027	80.39300	11580	8.30131	80.39230	11619	8.30230	80.39220	11658	8.30308	80.39240

11659	8.30311	80.39240	11698	8.30408	80.39250	11737	8.30517	80.39200	11776	8.30639	80.39180
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11662	8.30318	80.39240	11701	8.30410	80.39250	11740	8.30533	80.39190	11779	8.30641	80.39180
11663	8.30319	80.39240	11702	8.30414	80.39250	11741	8.30534	80.39190	11780	8.30645	80.39180
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11667	8.30329	80.39240	11706	8.30422	80.39250	11745	8.30541	80.39190	11784	8.30651	80.39180
11668	8.30331	80.39250	11707	8.30422	80.39250	11746	8.30543	80.39190	11785	8.30652	80.39180
11669	8.30333	80.39250	11708	8.30427	80.39250	11747	8.30546	80.39190	11786	8.30653	80.39180
11670	8.30335	80.39250	11709	8.30427	80.39250	11748	8.30550	80.39190	11787	8.30653	80.39180
11671	8.30335	80.39250	11710	8.30432	80.39250	11749	8.30552	80.39190	11788	8.30659	80.39180
11672	8.30344	80.39250	11711	8.30436	80.39250	11750	8.30555	80.39180	11789	8.30659	80.39180
11673	8.30344	80.39250	11712	8.30437	80.39250	11751	8.30558	80.39180	11790	8.30660	80.39180
11674	8.30345	80.39250	11713	8.30437	80.39250	11752	8.30561	80.39180	11791	8.30661	80.39180
11675	8.30346	80.39250	11714	8.30440	80.39250	11753	8.30564	80.39180	11792	8.30662	80.39180
11676	8.30351	80.39250	11715	8.30440	80.39250	11754	8.30568	80.39180	11793	8.30667	80.39180
11677	8.30351	80.39250	11716	8.30444	80.39250	11755	8.30571	80.39180	11794	8.30669	80.39180
11678	8.30356	80.39250	11717	8.30468	80.39230	11756	8.30572	80.39180	11795	8.30671	80.39180
11679	8.30359	80.39250	11718	8.30470	80.39230	11757	8.30573	80.39180	11796	8.30672	80.39180
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11681	8.30367	80.39250	11720	8.30474	80.39230	11759	8.30583	80.39180	11798	8.30678	80.39180
11682	8.30371	80.39250	11721	8.30477	80.39230	11760	8.30584	80.39180	11799	8.30679	80.39180
11683	8.30371	80.39250	11722	8.30480	80.39230	11761	8.30587	80.39180	11800	8.30679	80.39180
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11685	8.30381	80.39250	11724	8.30485	80.39220	11763	8.30591	80.39180	11802	8.30683	80.39180
11686	8.30381	80.39250	11725	8.30486	80.39220	11764	8.30595	80.39180	11803	8.30685	80.39180
11687	8.30392	80.39250	11726	8.30489	80.39220	11765	8.30598	80.39180	11804	8.30690	80.39180
11688	8.30393	80.39250	11727	8.30490	80.39220	11766	8.30601	80.39180	11805	8.30691	80.39180
11689	8.30393	80.39250	11728	8.30491	80.39220	11767	8.30604	80.39180	11806	8.30692	80.39180
11690	8.30394	80.39250	11729	8.30492	80.39220	11768	8.30607	80.39180	11807	8.30693	80.39180
11691	8.30398	80.39250	11730	8.30503	80.39210	11769	8.30608	80.39180	11808	8.30695	80.39180
11692	8.30399	80.39250	11731	8.30504	80.39210	11770	8.30612	80.39180	11809	8.30696	80.39180
11693	8.30400	80.39250	11732	8.30505	80.39210	11771	8.30612	80.39180	11810	8.30698	80.39180
11694	8.30401	80.39250	11733	8.30507	80.39210	11772	8.30613	80.39180	11811	8.30707	80.39190
11695	8.30405	80.39250	11734	8.30509	80.39210	11773	8.30613	80.39180	11812	8.30708	80.39190
11696	8.30406	80.39250	11735	8.30512	80.39210	11774	8.30617	80.39180	11813	8.30710	80.39190
11697	8.30407	80.39250	11736	8.30515	80.39200	11775	8.30618	80.39180	11814	8.30711	80.39190

11815	8.30713	80.39190	11854	8.30819	80.39200	11893	8.31049	80.39080	11932	8.31268	80.38960
11816	8.30714	80.39190	11855	8.30822	80.39200	11894	8.31052	80.39080	11933	8.31271	80.38950
11817	8.30715	80.39190	11856	8.30825	80.39200	11895	8.31054	80.39070	11934	8.31273	80.38950
11818	8.30724	80.39190	11857	8.30828	80.39210	11896	8.31057	80.39070	11935	8.31276	80.38950
11819	8.30725	80.39190	11858	8.30831	80.39210	11897	8.31059	80.39070	11936	8.31278	80.38950
11820	8.30727	80.39190	11859	8.30834	80.39210	11898	8.31061	80.39070	11937	8.31291	80.38950
11821	8.30729	80.39190	11860	8.30837	80.39210	11899	8.31064	80.39070	11938	8.31292	80.38950
11822	8.30730	80.39190	11861	8.30840	80.39210	11900	8.31067	80.39060	11939	8.31292	80.38950
11823	8.30731	80.39190	11862	8.30843	80.39210	11901	8.31069	80.39060	11940	8.31293	80.38950
11824	8.30732	80.39190	11863	8.30844	80.39210	11902	8.31072	80.39060	11941	8.31293	80.38950
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11826	8.30736	80.39190	11865	8.30848	80.39220	11904	8.31075	80.39060	11943	8.31295	80.38940
11827	8.30737	80.39190	11866	8.30857	80.39220	11905	8.31075	80.39060	11944	8.31317	80.38940
11828	8.30737	80.39190	11867	8.30857	80.39220	11906	8.31075	80.39060	11945	8.31319	80.38940
11829	8.30744	80.39190	11868	8.30858	80.39220	11907	8.31195	80.38990	11946	8.31321	80.38930
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11833	8.30754	80.39200	11872	8.30875	80.39220	11911	8.31206	80.38980	11950	8.31332	80.38930
11834	8.30762	80.39200	11873	8.30875	80.39220	11912	8.31209	80.38980	11951	8.31334	80.38930
11835	8.30767	80.39200	11874	8.30876	80.39220	11913	8.31212	80.38980	11952	8.31335	80.38930
11836	8.30767	80.39200	11875	8.30876	80.39220	11914	8.31214	80.38980	11953	8.31337	80.38930
11837	8.30772	80.39200	11876	8.30879	80.39230	11915	8.31218	80.38980	11954	8.31354	80.38930
11838	8.30774	80.39200	11877	8.30882	80.39230	11916	8.31221	80.38980	11955	8.31355	80.38930
11839	8.30777	80.39200	11878	8.30885	80.39230	11917	8.31223	80.38980	11956	8.31357	80.38920
11840	8.30779	80.39200	11879	8.30886	80.39230	11918	8.31227	80.38980	11957	8.31359	80.38920
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11843	8.30789	80.39200	11882	8.30896	80.39230	11921	8.31236	80.38970	11960	8.31362	80.38920
11844	8.30791	80.39200	11883	8.30897	80.39230	11922	8.31239	80.38970	11961	8.31371	80.38920
11845	8.30795	80.39200	11884	8.30897	80.39230	11923	8.31241	80.38970	11962	8.31373	80.38920
11846	8.30798	80.39200	11885	8.30897	80.39230	11924	8.31251	80.38970	11963	8.31375	80.38920
11847	8.30799	80.39200	11886	8.30901	80.39230	11925	8.31252	80.38970	11964	8.31376	80.38920
11848	8.30799	80.39200	11887	8.30930	80.39210	11926	8.31253	80.38960	11965	8.31377	80.38920
11849	8.30800	80.39200	11888	8.31039	80.39090	11927	8.31254	80.38960	11966	8.31378	80.38920
11850	8.30809	80.39200	11889	8.31041	80.39090	11928	8.31257	80.38960	11967	8.31380	80.38920
11851	8.30811	80.39200	11890	8.31043	80.39080	11929	8.31260	80.38960	11968	8.31380	80.38920
11852	8.30814	80.39200	11891	8.31045	80.39080	11930	8.31262	80.38960	11969	8.31384	80.38920
11853	8.30816	80.39200	11892	8.31047	80.39080	11931	8.31265	80.38960	11970	8.31387	80.38920

11971	8.31390	80.38920	12010	8.31952	80.38930	12049	8.32106	80.38920	12088	8.32369	80.39020
11972	8.31393	80.38920	12011	8.31954	80.38930	12050	8.32107	80.38920	12089	8.32371	80.39020
11973	8.31396	80.38920	12012	8.31997	80.38930	12051	8.32109	80.38920	12090	8.32372	80.39020
11974	8.31399	80.38920	12013	8.31998	80.38930	12052	8.32111	80.38920	12091	8.32378	80.39020
11975	8.31403	80.38920	12014	8.32001	80.38930	12053	8.32113	80.38920	12092	8.32380	80.39030
11976	8.31406	80.38920	12015	8.32003	80.38920	12054	8.32114	80.38920	12093	8.32381	80.39030
11977	8.31409	80.38920	12016	8.32007	80.38920	12055	8.32124	80.38920	12094	8.32383	80.39030
11978	8.31412	80.38920	12017	8.32010	80.38920	12056	8.32125	80.38930	12095	8.32385	80.39030
11979	8.31415	80.38920	12018	8.32013	80.38920	12057	8.32126	80.38930	12096	8.32388	80.39030
11980	8.31418	80.38920	12019	8.32016	80.38920	12058	8.32128	80.38930	12097	8.32390	80.39030
11981	8.31422	80.38920	12020	8.32019	80.38920	12059	8.32128	80.38930	12098	8.32392	80.39040
11982	8.31425	80.38920	12021	8.32022	80.38920	12060	8.32136	80.38930	12099	8.32395	80.39040
11983	8.31428	80.38920	12022	8.32025	80.38920	12061	8.32139	80.38930	12100	8.32397	80.39040
11984	8.31431	80.38920	12023	8.32028	80.38920	12062	8.32143	80.38930	12101	8.32397	80.39040
11985	8.31433	80.38920	12024	8.32031	80.38920	12063	8.32146	80.38930	12102	8.32410	80.39050
11986	8.31470	80.38920	12025	8.32035	80.38920	12064	8.32148	80.38930	12103	8.32412	80.39060
11987	8.31472	80.38920	12026	8.32038	80.38920	12065	8.32150	80.38930	12104	8.32415	80.39060
11988	8.31474	80.38920	12027	8.32041	80.38920	12066	8.32152	80.38930	12105	8.32417	80.39060
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11990	8.31479	80.38920	12029	8.32047	80.38920	12068	8.32296	80.38980	12107	8.32421	80.39070
11991	8.31482	80.38920	12030	8.32050	80.38920	12069	8.32296	80.38980	12108	8.32423	80.39070
11992	8.31485	80.38920	12031	8.32054	80.38920	12070	8.32297	80.38980	12109	8.32423	80.39070
11993	8.31488	80.38920	12032	8.32057	80.38920	12071	8.32300	80.38980	12110	8.32433	80.39080
11994	8.31492	80.38920	12033	8.32057	80.38920	12072	8.32303	80.38980	12111	8.32435	80.39080
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11996	8.31532	80.38920	12035	8.32059	80.38920	12074	8.32309	80.38980	12113	8.32438	80.39090
11997	8.31535	80.38920	12036	8.32060	80.38920	12075	8.32312	80.38980	12114	8.32443	80.39100
11998	8.31538	80.38920	12037	8.32063	80.38920	12076	8.32315	80.38980	12115	8.32443	80.39100
11999	8.31541	80.38920	12038	8.32065	80.38920	12077	8.32317	80.38990	12116	8.32445	80.39100
12000	8.31543	80.38920	12039	8.32068	80.38920	12078	8.32320	80.38990	12117	8.32447	80.39100
12001	8.31546	80.38920	12040	8.32069	80.38920	12079	8.32323	80.38990	12118	8.32448	80.39100
12002	8.31548	80.38920	12041	8.32069	80.38920	12080	8.32324	80.38990	12119	8.32450	80.39110
12003	8.31684	80.38930	12042	8.32069	80.38920	12081	8.32326	80.38990	12120	8.32451	80.39110
12004	8.31735	80.38930	12043	8.32090	80.38920	12082	8.32327	80.38990	12121	8.32453	80.39110
12005	8.31943	80.38930	12044	8.32092	80.38920	12083	8.32359	80.39010	12122	8.32454	80.39110
12006	8.31944	80.38930	12045	8.32093	80.38920	12084	8.32364	80.39010	12123	8.32455	80.39120
12007	8.31946	80.38920	12046	8.32095	80.38920	12085	8.32365	80.39020	12124	8.32455	80.39120
12008	8.31948	80.38920	12047	8.32100	80.38920	12086	8.32367	80.39020	12125	8.32459	80.39130
12009	8.31950	80.38920	12048	8.32104	80.38920	12087	8.32368	80.39020	12126	8.32459	80.39130

12127	8.32460	80.39130
12128	8.32460	80.39130
12129	8.32461	80.39130
12130	8.32463	80.39140
12131	8.32464	80.39140
12132	8.32464	80.39140
12133	8.32465	80.39140
12134	8.32465	80.39140
12135	8.32470	80.39160
12136	8.32471	80.39160
12137	8.32471	80.39160
12138	8.32472	80.39170
12139	8.32473	80.39170
12140	8.32473	80.39170
12141	8.32474	80.39170
12142	8.32474	80.39180
12143	8.32475	80.39180
12144	8.32475	80.39180
12145	8.32479	80.39200
12146	8.32479	80.39200
12147	8.32479	80.39200
12148	8.32479	80.39210
12149	8.32481	80.39220
12150	8.32483	80.39230
12151	8.32473	80.39240
12152	8.32432	80.39240
12153	8.32393	80.39240

Sacred City Zone

ID No	X	Y
1	8.37120	80.42170
2	8.37116	80.42180
3	8.37100	80.42180
4	8.37061	80.42210
5	8.36970	80.42280
6	8.36876	80.42360
7	8.36813	80.42410
8	8.36782	80.42440
9	8.36775	80.42440
10	8.36769	80.42430
11	8.36758	80.42420
12	8.36752	80.42410
13	8.36747	80.42400
14	8.36742	80.42390
15	8.36741	80.42380
16	8.36739	80.42370
17	8.36741	80.42350
18	8.36742	80.42320
19	8.36745	80.42300
20	8.36741	80.42270
21	8.36741	80.42240
22	8.36740	80.42210
23	8.36745	80.42190
24	8.36745	80.42190
25	8.36745	80.42160
26	8.36745	80.42160
27	8.36745	80.42150
28	8.36746	80.42140
29	8.36746	80.42140
30	8.36740	80.42120
31	8.36735	80.42100
32	8.36735	80.42070
33	8.36735	80.42070
34	8.36734	80.42060
35	8.36735	80.42040
36	8.36735	80.42030
37	8.36747	80.42030
38	8.36919	80.42080
39	8.36963	80.42100
40	8.37009	80.42110
41	8.37037	80.42120
42	8.37057	80.42130
43	8.37072	80.42140
44	8.37088	80.42150
45	8.37101	80.42160
46	8.37120	80.42170
47	8.37091	80.42200
48	8.37131	80.42180
49	8.37173	80.42210
50	8.37174	80.42240
51	8.37172	80.42260
52	8.37173	80.42270
53	8.37172	80.42280
54	8.37169	80.42290
55	8.37169	80.42300
56	8.37171	80.42320
57	8.37173	80.42330
58	8.37174	80.42340
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61	8.37178	80.42370
62	8.37178	80.42390
63	8.37178	80.42400
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66	8.37171	80.42420
67	8.37160	80.42420
68	8.37149	80.42420
69	8.37139	80.42410
70	8.37124	80.42410
71	8.37112	80.42410
72	8.37103	80.42410
73	8.37094	80.42410
74	8.37084	80.42410
75	8.37072	80.42400
76	8.37062	80.42400
77	8.37051	80.42400
78	8.37035	80.42400
79	8.37019	80.42400
80	8.37009	80.42410
81	8.37005	80.42410
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83	8.36990	80.42410
84	8.36983	80.42410
85	8.36970	80.42410
86	8.36957	80.42410
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91	8.36912	80.42410
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97	8.36858	80.42400
98	8.36850	80.42390
99	8.36849	80.42390
100	8.36889	80.42360
101	8.36937	80.42320
102	8.36990	80.42280
103	8.37050	80.42230
104	8.37091	80.42200
105	8.36924	80.42070
106	8.36782	80.42030
107	8.36788	80.42010
108	8.36794	80.42000
109	8.36802	80.41980
110	8.36811	80.41960
111	8.36819	80.41940
112	8.36828	80.41930
113	8.36829	80.41920
114	8.36839	80.41910
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116	8.36853	80.41910
117	8.36863	80.41910
118	8.36878	80.41910
119	8.36894	80.41920
120	8.36895	80.41920
121	8.36903	80.41920
122	8.36908	80.41920
123	8.36913	80.41940
124	8.36918	80.41950
125	8.36921	80.41960
126	8.36924	80.41980
127	8.36926	80.42030
128	8.36924	80.42070
129	8.34406	80.41230
130	8.34411	80.41220
131	8.34463	80.41230
132	8.34586	80.41230
133	8.34633	80.41240
134	8.34714	80.41240
135	8.34766	80.41240
136	8.34826	80.41230
137	8.34854	80.41220
138	8.34877	80.41230
139	8.34900	80.41240
140	8.34927	80.41270
141	8.34944	80.41300
142	8.34973	80.41330
143	8.34981	80.41340
144	8.34985	80.41350
145	8.34985	80.41350
146	8.34980	80.41360
147	8.34977	80.41360
148	8.34967	80.41370
149	8.34962	80.41380
150	8.34953	80.41390
151	8.34939	80.41400
152	8.34929	80.41400
153	8.34915	80.41410
154	8.34897	80.41420
155	8.34885	80.41430
156	8.34871	80.41440
157	8.34862	80.41460
158	8.34854	80.41470
159	8.34840	80.41480
160	8.34828	80.41490
161	8.34817	80.41500

162	8.34795	80.41510
163	8.34781	80.41510
164	8.34746	80.41500
165	8.34719	80.41490
166	8.34708	80.41480
167	8.34692	80.41480
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174	8.34592	80.41500
175	8.34566	80.41520
176	8.34535	80.41530
177	8.34520	80.41530
178	8.34497	80.41520
179	8.34481	80.41520
180	8.34467	80.41510
181	8.34452	80.41510
182	8.34436	80.41500
183	8.34430	80.41490
184	8.34423	80.41390
185	8.34424	80.41360
186	8.34420	80.41330
187	8.34418	80.41320
188	8.34416	80.41300
189	8.34416	80.41280
190	8.34415	80.41270
191	8.34414	80.41260
192	8.34410	80.41250
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197	8.32758	80.37520
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200	8.32813	80.37930
201	8.32813	80.37930
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206	8.34107	80.38030
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209	8.35377	80.43030
210	8.35380	80.43020
211	8.35382	80.43010
212	8.35387	80.43000
213	8.35389	80.42990
214	8.35394	80.42970
215	8.35397	80.42960
216	8.35400	80.42950
217	8.35403	80.42940
218	8.35408	80.42920
219	8.35412	80.42900
220	8.35415	80.42890
221	8.35420	80.42870
222	8.35425	80.42850
223	8.35428	80.42840
224	8.35434	80.42820
225	8.35439	80.42800
226	8.35441	80.42800
227	8.35447	80.42780
228	8.35453	80.42770
229	8.35473	80.42770
230	8.35536	80.42790
231	8.35613	80.42810
232	8.35642	80.42820
233	8.35653	80.42820
234	8.35661	80.42830
235	8.35662	80.42830
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237	8.35660	80.42860
238	8.35653	80.42890
239	8.35638	80.42960
240	8.35627	80.43020
241	8.35619	80.43050
242	8.35611	80.43060
243	8.35607	80.43070

244	8.35594	80.43070
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247	8.35509	80.43060
248	8.35488	80.43050
249	8.35471	80.43050
250	8.35452	80.43050
251	8.35429	80.43040
252	8.35410	80.43040
253	8.35401	80.43040
254	8.35889	80.37240
255	8.32758	80.37520
256	8.32758	80.37510
257	8.32758	80.37510
258	8.32761	80.37470
259	8.32761	80.37460
260	8.32762	80.37420
261	8.32762	80.37380
262	8.32745	80.37300
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279	8.32951	80.37220
280	8.32964	80.37220
281	8.32971	80.37210
282	8.32983	80.37210
283	8.33007	80.37210
284	8.33028	80.37210

285	8.33032	80.37200
286	8.33035	80.37200
287	8.33040	80.37180
288	8.33043	80.37170
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320	8.33022	80.36880
321	8.33030	80.36890
322	8.33039	80.36900
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327	8.33103	80.36930
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337	8.33207	80.36930
338	8.33211	80.36930
339	8.33215	80.36910
340	8.33215	80.36910
341	8.33213	80.36900
342	8.33205	80.36890
343	8.33205	80.36880
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356	8.33505	80.36940
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360	8.33611	80.36950
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362	8.33658	80.36990
363	8.33685	80.37040
364	8.33704	80.37080
365	8.33707	80.37090
366	8.33729	80.37160
367	8.33737	80.37180
368	8.33739	80.37190
369	8.33794	80.37250
370	8.33802	80.37260
371	8.33803	80.37260
372	8.33815	80.37300
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374	8.33815	80.37410
375	8.33813	80.37460
376	8.33810	80.37490
377	8.33789	80.37540
378	8.33764	80.37590
379	8.33749	80.37640
380	8.33744	80.37680
381	8.33743	80.37710
382	8.33749	80.37730
383	8.33839	80.37880
384	8.33843	80.37890
385	8.33846	80.37900
386	8.33865	80.37920
387	8.33890	80.37940
388	8.33975	80.37960
389	8.34020	80.37980
390	8.34077	80.38010
391	8.34107	80.38030
392	8.34136	80.38040
393	8.34151	80.38060
394	8.34161	80.38070
395	8.34174	80.38100
396	8.34184	80.38120
397	8.34206	80.38150
398	8.34216	80.38160
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1602	8.34017	80.40440
1603	8.34015	80.40440
1604	8.34007	80.40440
1605	8.34005	80.40440
1606	8.34002	80.40440
1607	8.34001	80.40440
1608	8.33993	80.40440
1609	8.33986	80.40430
1610	8.33981	80.40430
1611	8.33975	80.40430
1612	8.33967	80.40420
1613	8.33965	80.40420
1614	8.33962	80.40420
1615	8.33954	80.40420
1616	8.33953	80.40420
1617	8.33950	80.40420
1618	8.33947	80.40420
1619	8.33943	80.40410
1620	8.33942	80.40410
1621	8.33933	80.40410
1622	8.33927	80.40410
1623	8.33920	80.40410
1624	8.33913	80.40410
1625	8.33905	80.40410
1626	8.33905	80.40410
1627	8.33902	80.40410
1628	8.33901	80.40410
1629	8.33892	80.40400
1630	8.33889	80.40400
1631	8.33884	80.40400
1632	8.33879	80.40400
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1635	8.33866	80.40400
1636	8.33864	80.40400
1637	8.33861	80.40400

1638	8.33854	80.40400
1639	8.33854	80.40400
1640	8.33844	80.40400
1641	8.33837	80.40400
1642	8.33833	80.40400
1643	8.33829	80.40400
1644	8.33822	80.40390
1645	8.33819	80.40390
1646	8.33816	80.40390
1647	8.33816	80.40390
1648	8.33807	80.40390
1649	8.33804	80.40390
1650	8.33800	80.40390
1651	8.33795	80.40390
1652	8.33788	80.40390
1653	8.33785	80.40380
1654	8.33782	80.40380
1655	8.33779	80.40380
1656	8.33775	80.40380
1657	8.33772	80.40380
1658	8.33769	80.40380
1659	8.33760	80.40380
1660	8.33759	80.40380
1661	8.33756	80.40380
1662	8.33752	80.40380
1663	8.33749	80.40380
1664	8.33745	80.40380
1665	8.33739	80.40380
1666	8.33736	80.40380
1667	8.33729	80.40380
1668	8.33729	80.40380
1669	8.33722	80.40380
1670	8.33715	80.40390
1671	8.33708	80.40390
1672	8.33706	80.40390
1673	8.33703	80.40390
1674	8.33700	80.40390
1675	8.33695	80.40390
1676	8.33692	80.40390
1677	8.33690	80.40390
1678	8.33687	80.40390
1679	8.33679	80.40380
1680	8.33679	80.40380
1681	8.33677	80.40380
1682	8.33670	80.40380
1683	8.33667	80.40380
1684	8.33664	80.40380
1685	8.33658	80.40380
1686	8.33657	80.40380
1687	8.33654	80.40370
1688	8.33652	80.40370
1689	8.33648	80.40370
1690	8.33644	80.40370
1691	8.33642	80.40370
1692	8.33640	80.40370
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1700	8.33615	80.40340
1701	8.33614	80.40340
1702	8.33609	80.40330
1703	8.33606	80.40330
1704	8.33602	80.40320
1705	8.33600	80.40320
1706	8.33600	80.40320
1707	8.33596	80.40310
1708	8.33594	80.40310
1709	8.33592	80.40300
1710	8.33591	80.40300
1711	8.33587	80.40290
1712	8.33587	80.40290
1713	8.33585	80.40290
1714	8.33583	80.40290
1715	8.33581	80.40280
1716	8.33581	80.40280
1717	8.33576	80.40280
1718	8.33574	80.40270
1719	8.33572	80.40270
1720	8.33568	80.40260
1721	8.33567	80.40260
1722	8.33565	80.40260
1723	8.33562	80.40250
1724	8.33560	80.40250
1725	8.33558	80.40250
1726	8.33558	80.40240
1727	8.33556	80.40240
1728	8.33556	80.40240
1729	8.33553	80.40230
1730	8.33550	80.40230
1731	8.33549	80.40220
1732	8.33547	80.40220
1733	8.33539	80.40210
1734	8.33539	80.40210
1735	8.33537	80.40200
1736	8.33535	80.40200
1737	8.33533	80.40200
1738	8.33531	80.40200
1739	8.33527	80.40190
1740	8.33523	80.40190
1741	8.33518	80.40180
1742	8.33512	80.40170
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1744	8.33508	80.40170
1745	8.33506	80.40170
1746	8.33503	80.40160
1747	8.33503	80.40160
1748	8.33501	80.40160
1749	8.33499	80.40160
1750	8.33497	80.40150
1751	8.33496	80.40150
1752	8.33491	80.40150
1753	8.33490	80.40150
1754	8.33487	80.40140
1755	8.33485	80.40140
1756	8.33482	80.40140
1757	8.33479	80.40140
1758	8.33476	80.40130
1759	8.33473	80.40130
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1764	8.33461	80.40120
1765	8.33455	80.40120
1766	8.33453	80.40120
1767	8.33450	80.40110
1768	8.33450	80.40110
1769	8.33445	80.40110
1770	8.33444	80.40110
1771	8.33443	80.40110
1772	8.33439	80.40100
1773	8.33438	80.40100
1774	8.33433	80.40090
1775	8.33432	80.40090
1776	8.33428	80.40090
1777	8.33426	80.40080
1778	8.33424	80.40080
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1781	8.33422	80.40080
1782	8.33418	80.40070
1783	8.33415	80.40060
1784	8.33414	80.40060
1785	8.33412	80.40060
1786	8.33411	80.40060
1787	8.33406	80.40050
1788	8.33405	80.40050
1789	8.33403	80.40050
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1797	8.33383	80.40030
1798	8.33381	80.40030
1799	8.33379	80.40020
1800	8.33377	80.40020
1801	8.33372	80.40020

1802	8.33371	80.40020
1803	8.33368	80.40010
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1805	8.33367	80.40010
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1810	8.33364	80.40000
1811	8.33362	80.40000
1812	8.33361	80.39990
1813	8.33359	80.39990
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1816	8.33355	80.39980
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1822	8.33337	80.39940
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1829	8.33329	80.39930
1830	8.33328	80.39930
1831	8.33327	80.39920
1832	8.33327	80.39920
1833	8.33301	80.39880
1834	8.33260	80.39830
1835	8.33232	80.39790
1836	8.33231	80.39790
1837	8.33226	80.39790
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1848	8.33191	80.39790
1849	8.33188	80.39790
1850	8.33184	80.39800
1851	8.33181	80.39800
1852	8.33179	80.39800
1853	8.33175	80.39800
1854	8.33173	80.39800
1855	8.33170	80.39800
1856	8.33166	80.39800
1857	8.33165	80.39800
1858	8.33147	80.39800
1859	8.33115	80.39800
1860	8.33115	80.39800
1861	8.33115	80.39800
1862	8.33111	80.39800
1863	8.33108	80.39800
1864	8.33104	80.39800
1865	8.33101	80.39800
1866	8.33098	80.39800
1867	8.33086	80.39810
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1869	8.33083	80.39810
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1871	8.33073	80.39810
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1878	8.32996	80.39810
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1880	8.32991	80.39810
1881	8.32989	80.39810
1882	8.32986	80.39810
1883	8.32950	80.39800
1884	8.32948	80.39800
1885	8.32929	80.39790
1886	8.32928	80.39790
1887	8.32905	80.39770
1888	8.32894	80.39770
1889	8.32890	80.39760
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1902	8.32852	80.39730
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1909	8.32828	80.39700
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1911	8.32824	80.39700
1912	8.32816	80.39700
1913	8.32815	80.39700
1914	8.32806	80.39690
1915	8.32806	80.39690
1916	8.32803	80.39690
1917	8.32799	80.39690
1918	8.32796	80.39690
1919	8.32796	80.39690
1920	8.32787	80.39680
1921	8.32784	80.39680
1922	8.32782	80.39680
1923	8.32780	80.39680
1924	8.32779	80.39670
1925	8.32779	80.39670
1926	8.32774	80.39670
1927	8.32773	80.39660
1928	8.32771	80.39660
1929	8.32769	80.39660
1930	8.32767	80.39660
1931	8.32767	80.39660
1932	8.32765	80.39650
1933	8.32763	80.39650
1934	8.32760	80.39650
1935	8.32759	80.39640
1936	8.32754	80.39640
1937	8.32753	80.39630
1938	8.32748	80.39630
1939	8.32747	80.39620
1940	8.32745	80.39620
1941	8.32745	80.39620
1942	8.32734	80.39610
1943	8.32733	80.39610
1944	8.32727	80.39600
1945	8.32722	80.39590
1946	8.32718	80.39590
1947	8.32717	80.39590
1948	8.32715	80.39580
1949	8.32714	80.39580
1950	8.32696	80.39560
1951	8.32691	80.39560
1952	8.32690	80.39550
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1954	8.32667	80.39530
1955	8.32666	80.39530
1956	8.32665	80.39520
1957	8.32660	80.39520
1958	8.32660	80.39520
1959	8.32635	80.39490
1960	8.32633	80.39490
1961	8.32631	80.39490
1962	8.32630	80.39490
1963	8.32590	80.39450
1964	8.32589	80.39450
1965	8.32586	80.39450

1966	8.32583	80.39450
1967	8.32582	80.39450
1968	8.32565	80.39440
1969	8.32565	80.39440
1970	8.32563	80.39440
1971	8.32561	80.39440
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1975	8.32537	80.39430
1976	8.32534	80.39420
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1981	8.32511	80.39420
1982	8.32504	80.39420
1983	8.32476	80.39410
1984	8.32434	80.39370
1985	8.32425	80.39360
1986	8.32420	80.39360
1987	8.32412	80.39340
1988	8.32412	80.39340
1989	8.32408	80.39340
1990	8.32402	80.39300
1991	8.32402	80.39300
1992	8.32398	80.39280
1993	8.32393	80.39240
1994	8.32473	80.39240
1995	8.32483	80.39230
1996	8.32495	80.39220
1997	8.32501	80.39190
1998	8.32488	80.39180
1999	8.32528	80.38830
2000	8.32582	80.38780
2001	8.32584	80.38740
2002	8.32593	80.38690
2003	8.32636	80.38660
2004	8.32721	80.38630
2005	8.32791	80.38610
2006	8.32830	80.38540
2007	8.32827	80.38440
2008	8.32825	80.38240
2009	8.32825	80.38240
2010	8.32896	80.38270
2011	8.32899	80.38270
2012	8.32900	80.38260
2013	8.32902	80.38250
2014	8.32902	80.38250
2015	8.32902	80.38240
2016	8.32902	80.38240
2017	8.32901	80.38230
2018	8.32899	80.38220
2019	8.32899	80.38210
2020	8.32893	80.38190
2021	8.32891	80.38180
2022	8.32890	80.38170
2023	8.32889	80.38170
2024	8.32888	80.38160
2025	8.32887	80.38160
2026	8.32883	80.38140
2027	8.32880	80.38120
2028	8.32878	80.38110
2029	8.32872	80.38100
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2035	8.32851	80.38040
2036	8.32850	80.38030
2037	8.32849	80.38030
2038	8.32847	80.38020
2039	8.32847	80.38020
2040	8.32846	80.38010
2041	8.32843	80.38000
2042	8.32839	80.37980
2043	8.32838	80.37960
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2057	8.32812	80.37910
2058	8.32807	80.37900
2059	8.32806	80.37890
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2061	8.32806	80.37890
2062	8.32808	80.37880
2063	8.32808	80.37880
2064	8.32807	80.37880
2065	8.32805	80.37870
2066	8.32804	80.37870
2067	8.32802	80.37860
2068	8.32800	80.37860
2069	8.32799	80.37860
2070	8.32797	80.37840
2071	8.32797	80.37840
2072	8.32797	80.37830
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2074	8.32796	80.37820
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2081	8.32793	80.37800
2082	8.32793	80.37790
2083	8.32795	80.37790
2084	8.32801	80.37790
2085	8.32804	80.37790
2086	8.32804	80.37780
2087	8.32805	80.37780
2088	8.32805	80.37780
2089	8.32803	80.37770
2090	8.32801	80.37770
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2092	8.32794	80.37760
2093	8.32788	80.37750
2094	8.32783	80.37750
2095	8.32782	80.37750
2096	8.32781	80.37740
2097	8.32780	80.37740
2098	8.32779	80.37740
2099	8.32778	80.37740
2100	8.32777	80.37740
2101	8.32777	80.37730
2102	8.32775	80.37730
2103	8.32775	80.37730
2104	8.32774	80.37730
2105	8.32774	80.37730
2106	8.32773	80.37720
2107	8.32771	80.37720
2108	8.32770	80.37720
2109	8.32769	80.37710
2110	8.32769	80.37710
2111	8.32768	80.37710
2112	8.32767	80.37710
2113	8.32767	80.37700
2114	8.32764	80.37700
2115	8.32764	80.37690
2116	8.32763	80.37690
2117	8.32763	80.37680
2118	8.32762	80.37670
2119	8.32762	80.37670
2120	8.32761	80.37670
2121	8.32761	80.37660
2122	8.32764	80.37650
2123	8.32769	80.37640
2124	8.32774	80.37630
2125	8.32783	80.37620
2126	8.32786	80.37610
2127	8.32788	80.37610
2128	8.32790	80.37600
2129	8.32792	80.37600

2130	8.32792	80.37600
2131	8.32793	80.37590
2132	8.32793	80.37590
2133	8.32793	80.37590
2134	8.32794	80.37590
2135	8.32794	80.37580
2136	8.32796	80.37580
2137	8.32797	80.37580
2138	8.32797	80.37580
2139	8.32798	80.37570
2140	8.32799	80.37570
2141	8.32801	80.37570
2142	8.32802	80.37570
2143	8.32804	80.37560
2144	8.32804	80.37550
2145	8.32803	80.37550
2146	8.32800	80.37550
2147	8.32796	80.37540
2148	8.32791	80.37540
2149	8.32788	80.37540
2150	8.32783	80.37540
2151	8.32776	80.37540
2152	8.32771	80.37530
2153	8.32767	80.37530
2154	8.32765	80.37530
2155	8.32764	80.37530
2156	8.32762	80.37520
2157	8.32760	80.37520
2158	8.32759	80.37520
2159	8.32758	80.37520
2160	8.32513	80.38990
2161	8.32512	80.39000
2162	8.32512	80.39000
2163	8.32513	80.38990
2164	8.32513	80.38990
2165	8.33322	80.39910
2166	8.33322	80.39910
2167	8.33322	80.39910
2168	8.33322	80.39910

Special Commercial Zone

ID No	X	Y
1	8.31961	80.40070
2	8.31961	80.40070
3	8.31961	80.40070
4	8.31977	80.40070
5	8.31995	80.40080
6	8.32002	80.40090
7	8.32022	80.40090
8	8.32035	80.40080
9	8.32047	80.40080
10	8.32073	80.40070
11	8.32080	80.40060
12	8.32137	80.40140
13	8.32208	80.40220
14	8.32248	80.40250
15	8.32282	80.40280
16	8.32377	80.40350
17	8.32429	80.40400
18	8.32400	80.40440
19	8.32370	80.40480
20	8.32310	80.40570
21	8.32289	80.40560
22	8.32272	80.40550
23	8.32231	80.40500
24	8.32216	80.40490
25	8.32182	80.40450
26	8.32158	80.40420
27	8.32136	80.40380
28	8.32113	80.40330
29	8.32089	80.40300
30	8.32055	80.40250
31	8.32011	80.40190
32	8.31996	80.40170
33	8.31995	80.40160
34	8.31981	80.40160
35	8.31974	80.40150
36	8.31969	80.40110
37	8.31965	80.40090
38	8.31961	80.40070
39	8.33444	80.41130
40	8.33305	80.41080
41	8.33259	80.41060
42	8.33172	80.41020
43	8.33210	80.40950
44	8.33132	80.40910
45	8.33115	80.40900
46	8.33111	80.40890
47	8.33128	80.40860
48	8.33131	80.40860
49	8.33214	80.40900
50	8.33307	80.40950
51	8.33312	80.40950
52	8.33312	80.40960
53	8.33340	80.40970
54	8.33369	80.40990
55	8.33415	80.41000
56	8.33482	80.41030
57	8.33486	80.41030
58	8.33444	80.41130
59	8.34044	80.41260
60	8.34074	80.41260
61	8.34076	80.41250
62	8.34079	80.41250
63	8.34110	80.41240
64	8.34115	80.41190
65	8.34119	80.41180
66	8.34127	80.41180
67	8.34131	80.41170
68	8.34174	80.41180
69	8.34164	80.41230
70	8.34165	80.41260
71	8.34166	80.41260
72	8.34166	80.41270
73	8.34203	80.41270
74	8.34225	80.41270
75	8.34237	80.41260
76	8.34244	80.41260
77	8.34225	80.41550
78	8.34212	80.41550
79	8.34203	80.41540
80	8.34195	80.41540
81	8.34179	80.41540
82	8.34159	80.41540
83	8.34141	80.41530
84	8.34125	80.41530
85	8.34085	80.41530

86	8.34058	80.41530
87	8.34028	80.41530
88	8.34029	80.41490
89	8.34088	80.41500
90	8.34116	80.41500
91	8.34116	80.41490
92	8.34116	80.41470
93	8.34116	80.41460
94	8.34108	80.41450
95	8.34098	80.41430
96	8.34080	80.41420
97	8.34056	80.41400
98	8.34045	80.41390
99	8.34030	80.41350
100	8.34030	80.41310
101	8.34036	80.41280
102	8.34044	80.41260
103	8.32647	80.39960
104	8.32625	80.39950
105	8.32649	80.39910
106	8.32670	80.39920
107	8.32701	80.39930
108	8.32741	80.39950
109	8.32773	80.39970
110	8.32788	80.39980
111	8.32787	80.39980
112	8.32772	80.40020
113	8.32758	80.40010
114	8.32720	80.40000
115	8.32647	80.39960
116	8.32658	80.41020
117	8.32624	80.41000
118	8.32661	80.40940
119	8.32719	80.40860
120	8.32757	80.40810
121	8.32792	80.40760
122	8.32798	80.40760
123	8.32803	80.40740
124	8.32836	80.40770
125	8.32658	80.41020
126	8.32259	80.41600
127	8.32231	80.41590
128	8.32277	80.41500

129	8.32320	80.41450
130	8.32366	80.41460
131	8.32280	80.41610
132	8.32259	80.41600
133	8.31522	80.41420
134	8.31514	80.41410
135	8.31544	80.41360
136	8.31627	80.41430
137	8.31604	80.41460
138	8.31591	80.41470
139	8.31536	80.41430
140	8.31522	80.41420
141	8.30458	80.39870
142	8.30456	80.39870
143	8.30499	80.39860
144	8.30510	80.39850
145	8.30530	80.39850
146	8.30541	80.39890
147	8.30482	80.39920
148	8.30474	80.39900
149	8.30463	80.39880
150	8.30458	80.39870
151	8.30037	80.40320
152	8.29993	80.40260
153	8.30019	80.40230
154	8.30066	80.40290
155	8.30037	80.40320

Building Height Restriction Area

Point_ID	X	Y
1	8.34503	80.40730
2	8.34410	80.38980
3	8.34498	80.38980
4	8.35184	80.39640
5	8.35391	80.40190
6	8.35284	80.40840
7	8.35158	80.41600
8	8.35099	80.41960
9	8.34698	80.44380
10	8.34555	80.41700
11	8.34529	80.41220
12	8.34503	80.40730