The Digital Divide in Trinidad & Tobago 2007

Final Report

Submitted to:

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EXECUTIVE SUMMARY

1. The primary task of this study is the collection of data to allow for the calculation, at the level of identifiable geographical areas or communities in Trinidad & Tobago, and for the country as a whole, of the Digital Opportunity Index (DOI) and the Digital Access Index (DAI).

2. Three indices are calculated for 585 geographically defined communities and for Trinidad & Tobago as a whole: the Digital Opportunity Index (DOI), an Alternate Digital Opportunity Index (DOI_ALT) and the Digital Access Index (DAI).

3. The various indicators and category indices of the DOI, DOI_ALT and the DAI are also calculated and analyzed.

4. The index values for the country as a whole are quite high: DOI_ALT = 0.5595, DOI = 0.6315 and DAI = 0.6668. At the community level, the values range from 0.38 to 0.85 in the case of the DOI_ALT, 0.48 to 0.87 in the case of the DOI and from 0.57 to 0.90 in the case of the DAI. In a 2004/5 study by the International Telecommunications Union, Trinidad & Tobago as a whole had a DOI score of 0.45 and in another in 2002 it obtained a DAI score of 0.53. These studies employed macro data only, not sample (micro) data as is the case here. At any rate, there must have been some improvement since that date, especially given the pace of liberalization in the sector. Nevertheless, international comparisons done on the basis of these figures should be carried out with extreme caution.

5. This study is less concerned with the national values than with the value of the three indices for the 585communities. The different indices are highly correlated (over 97% in all cases), indicating that each one conveys more or less the same *relative* information about the digital divide in the individual communities. In particular, high scores in one index are associated with high scores in the other two and vice-versa.

6. On a community by community basis, however, the indices are markedly different. The category indices that measure 'Opportunity' ('affordability' and 'basic access') have very high values (over 90% on average) which account for

the lion's share of the overall index values whereas those that measure 'Infrastructure' and 'Utilization' have relatively low values.

7. Poorer communities have lower values at the level of the overall indices, the category indices and the basic indicators.
8. No recommendations are made to deal with 'opportunity' since this is satisfactory.
9. The following four recommendations are made to deal with enhancing the 'Infrastructure' and 'Utilization' category indices for the country as a whole but especially for the poorer communities:
    a. *Immediate steps must be taken to improve the infrastructure, with particular emphasis on encouraging Internet access.*
    b. *A serious effort must be made to encourage the use of the Internet, even with the given infrastructure, at home, at school, at the workplace, Internet Cafés and other places.*
    c. *Priority should be given to the provision of affordable broadband services through fixed-line and, especially, mobile services.*
    d. *Throughout the length and breadth of Trinidad & Tobago, more and more people should be encouraged to subscribe to mobile (broadband) Internet services.*

1. INTRODUCTION

1.1 Objective of Study

The primary task of this study is the collection of data to allow for the calculation, at the level of identifiable geographical areas or communities in Trinidad & Tobago, and for the country as a whole, of the Digital Access Index (DAI) and the Digital Opportunity Index (DOI). The different quality of service available across the various communities implied by the differing values is analysed and explained, with particular emphasis on those communities within Trinidad & Tobago that are under-served in terms of access to information and communication technologies (ICTs). Reasons are advanced to explain why these areas are under-served, as a first step toward identifying and administering projects that may enable the reduction of the digital divide.

1.2 Deliverables

Deliverables of the study include, but are not limited to:

1) A methodology to divide Trinidad and Tobago into pre-defined geographical areas, henceforth called communities;
2) A detailed strategy and implementation plan for conducting the digital divide survey;
3) A comprehensive questionnaire that is used in the survey to measure the DOI and DAI indicators;
4) A detailed report containing the analysis of the raw data collected and an explanation of why any areas may be considered to be under-served;
5) The overall DOI and DAI measurement for Trinidad and Tobago and the DOI and DAI measurement for the predefined communities.

The body of this report consists of deliverables (4) and (5). Deliverables (1)-(3) have already been submitted and are attached as Appendices (1)-(3) to this report.

1.3 Outline of Report

The rest of the report is presented as follows: in section 2, the DOI and DAI measures are described and compared. The data and sources of the data used are discussed in the section 3 and, in section 4, the methodology by which the measures are obtained using the data is outlined. The resulting measures for the various communities and then summarized and analysed, following which recommendations are made and conclusions drawn.

2. THE DOI AND DAI: INTERPRETATION AND COMPARISON

More and more the DOI is being considered the preferred index and is in fact the newer kid on the block, refined to take into account some of the shortcomings of the DAI. It groups 11 indicators into three category indices (Opportunity, Infrastructure and Utilization). We also construct an alternate DOI, which we call DOI_ALT, which groups 10 of the 11 indicators into three category indices. The indicators and their relationship to the category and overall indices, are shown in Table 1.

Table1: The DOI and DOI_ALT Indices and their Component Indicators

Category / Indicators	Score	Goalpost	Indicator	Weight within category (%)	Category Index
Opportunity					
Percentage of population covered by mobile cellular telephony		100		33	
Mobile cellular tariffs as a percentage of per capita income		0.16		33	
Internet access tariffs as a percentage of per capita income		0.2		33	
Infrastructure					
Proportion of households with a fixed line telephone		100		20	
Mobile cellular subscribers per 100 inhabitants		100		20	
Proportion of households with Internet access at home		100		20	
Mobile Internet subscribers per 100 inhabitants		100		20	
Proportion of households with a computer		100		20	
Utilization*					
Internet users per 100 inhabitants		100		33 (50)	
Ratio of Fixed Broadband Internet subscribers to total Internet subscribers		100		33 (50)	
Ratio of Mobile Broadband Internet subscribers to mobile Internet subscribers		100		33 (0)	

* Weights for DOI_ALT shown in parentheses.

The indicators are normalized relative to desirable values or goalposts. For example, a goalpost of 100 was established for mobile cellular subscribers per 100 inhabitants. Assuming a country had 60 mobile cellular subscribers per 100 inhabitants, then the index value would be 0.6 (60/100). Indicators are weighted within their groups and then the groups are averaged to arrive at the DOI value. This is the same methodology used by the United Nations Development Program's Human Development Index (HDI), which is arguably the benchmark for composite indices, as it is one of the longest-standing and most referenced of all.[1]

The DAI follows the same methodology as the DOI and HDI. Table 2 shows that the DAI groups 8 indicators into five categories (Infrastructure, Affordability, Knowledge, Quality and Usage).

Table 2: The DAI Index and its Component Indicators

Category	Indicator	Score	Goal Post %	Indicator	Weight in Category %	Category Index
Infrastructure						
	Fixed telephone subscribers per 100 inhabitants		60		50	
	Mobile cellular subscribers per 100 inhabitants		100		50	
Affordability						
	Internet access price as percentage of Gross National Income per capita		100		100	
Knowledge						
	Adult Literacy		100		67	
	Combined primary, secondary and tertiary school enrolment level		100		33	
Quality						
	International Internet bandwidth (bits) per capita		10000		50	
	Broadband subscribers per 100 inhabitants		30		50	
Usage						
	Internet users per 100 inhabitants		85		100	

[1] The UNDP uses a similar methodology for its Technological Achievement Index. See http://hdr.undp.org/statistics/indices/#5.

Grouping the indicators in the DOI and the DAI and using goalposts to normalize the values offers a number of benefits. First, it is a straightforward and transparent methodology since the goalposts are identifiable and the calculations clear. Second, the use of goalposts establishes targets that countries can aspire to and establishes a parameter for achievement. Establishing the goalposts sharpens thinking about the indicators themselves and their relevance to the information society. Third, grouping the indicators allows countries to see where they are relatively strong and weak, which can be useful for policymaking. Fourth, the index can be tracked over time without the index values changing meaning. This is particularly useful for policy evaluation.

There are identifiable drawbacks with the DOI and DAI methodology. The determination of the goalposts is difficult for an ever evolving sector like ICT where technologies decline and grow in importance. Although the goalposts are often determined by best practice or logical limits, they can be exceeded. For instance, Trinidad & Tobago and other jurisdictions now appear to have more mobile phones than inhabitants). National and regional definitions of the indicators may result in exaggerated values; if these are used as best practice, they can establish goalposts that will be impossible for other countries to reach. Best practice, as reflected in an indicator value, is not always possible with ICTs since the indicators can vary for social reasons. The categorization of indicators into sub indices and the weights assigned involve a degree of subjectivity and may impact the index values. The impact may be minimized through statistical techniques that determine appropriate weights and classifications while retaining the analytical power of categories.

The DOI indicators lend themselves to a logical classification:

- The first is Opportunity. In order to participate in the information society, consumers must have accessibility to ICT service and must be able to afford it. The percentage of the population covered by mobile cellular telephony represents coverage (basic accessibility) while the two tariff indicators, Internet access tariffs as a percentage of per capita income and Mobile cellular tariffs as a percentage of per capita income reflect affordability;

- The next category is Infrastructure, which includes network indicators such as the proportion of households with a fixed line telephone, mobile cellular subscribers per 100 inhabitants, proportion of households with Internet access at home and mobile Internet subscribers per 100 inhabitants. It also includes the devices that provide the interface between the user and the network; here it is represented by proportion of households with a computer;
- Utilization shows the extent of ICT usage and includes proportion of individuals that used the Internet. Quality reflects a level of access that enables higher degrees of functionality. This provides support for services such as video streaming that can enhance desirable information society applications such as telemedicine, e-government and e-learning. The indicator selected for this category is the ratio of broadband subscribers among Internet subscribers (separated by both fixed and mobile).

The classification is sequential, in that each category is dependent on the previous. The classification also reflects higher levels of access, from basic voice communications to broadband connectivity. In order to have access to infrastructure, users must have the opportunity to be covered by the service and able to afford it. Utilization depends on having infrastructure and a device. Finally, given all the prerequisites for connectivity, users will then want to aspire to higher levels of quality through broadband access.

The popularity of mobile communications and introduction of high-speed 2.5 and 3G (third generation) services make wireless technology a key component of the information society. Almost all of the indicators selected for the DOI have a mobile component. Some are explicit, such as mobile coverage or mobile subscribers, while others are embedded in indicators such as computers (e.g., smart phones, PDAs) or Internet subscription (which can include mobile Internet subscriptions). This lends the DOI to an alternate classification of fixed versus mobile. This allows analysis of the relative importance of each in a country's progression to the information society. The trend toward ubiquity suggests that countries should not sacrifice one path at the expense of the other but that both should be pursued simultaneously.

Similar observations may be made about the DAI.

3. DATA AND DATA SOURCES

The data to be used to construct the indicators and indices were to be obtained from four distinct sources. ICT service providers; Material published on ICT services (in the form of articles, reports, data or other format) and socio-economic indicators in Trinidad & Tobago (the 2000 Census of the Population of Trinidad & Tobago in particular); a Survey of Households (consumers of ICT services) inhabiting the communities and four specialized public agencies: the National Library Information Service (NALIS), the Ministry of Education, the Ministry of Community Development and the Telecommunications Authority of Trinidad & Tobago.

Data from the major *ICT service providers* was to be made up largely of the data on some of the indicators making up the DAI and the DOI[2] through the administration of three very simple questionnaires, one each for the providers of each of the following four ICT services (questionnaires are attached Appendix 1):

- Fixed telephone line services;
- Mobile telephone line services;
- Internet services;
- Cable TV Services.

In addition to being asked to provide data for the calculation of the two indices, the ICT service providers were asked to assist in locating minor providers of ICT services, such as Internet Cafes and International Calling Centres. Questions were also asked about the marketing of the services and if, in particular, some communities are targeted more than others. All the major providers were asked to take part in this exercise including TSTT, Digicel, and Internet Service Providers.

Overall, the service providers were not very forthcoming with data and, in the end, it was not a very successful exercise. Very little data of interest to the exercise was provided and all efforts to get more failed miserably. There was a lot of concern about the confidentiality of some of the key data items, which were never resolved and the project simply had to proceed without the data sets. This also caused some delay in the execution of the project for two reasons: first, the survey of households was planned to take place after the completion of the survey of service providers, so the lack of cooperation stalled

[2] There are 17 distinct indicators in all.

the start of the household survey. The analysis therefore had to rely more heavily on the survey of households which resulted in further delay.

*Published material*s of at least three types were consulted:

1. Documents published by state and private sector agencies, such as the Central Statistical Office (the 2000 Census of the Population in particular), Ministry of Planning and Development, and the Telecommunications Authority of Trinidad & Tobago, which will provide information about the importance and prevalence of ICT infrastructure nationwide and may even provide data at the community or household level. These were used to complement, and as a check on, data gathered from the surveys.
2. Previous studies done on the Digital Divide and related areas in Trinidad & Tobago;
3. Previous studies done on the Digital Divide and related areas in countries other than Trinidad & Tobago, especially (but not limited to) those done on countries at a comparable stage of development.

The documents and other papers consulted are listed under 'References and Further Readings'. None dealt directly with the measurement of the Digital Divide in Trinidad & Tobago although reference was made to it in Henry (2004), in MPATT (2003) and in some of the ITU publications cited. The MPATT document lays out a strategic plan for the development of ICT services but we were unable to determine the status of this plan.

Data obtained from *households* were of two kinds:

- Data on the indicators making up the DAI and the DOI;
- Socio-economic, demographic and other relevant data.

The data were obtained through administering a questionnaire to a sample of 6,000 households (in the hope of getting 5,000 responses) drawn from communities across Trinidad & Tobago. A multi-stage sampling design described in detail in Appendix 2 (deliverable no. 2) was used to obtain this sample. Trinidad & Tobago was divided into 585 communities, which were categorized into 13 relatively homogenous groups using mainly one criterion: the median income of inhabitants. Computer simulations were run using the digital spatial data based on the 2000 Census to determine appropriate income bands. However, other criteria were employed and similar computer simulations carried out to determine appropriate groupings. Such criteria included area of residence (rural/urban) and dominant ethnic group (African/Indian/Mixed/Other). A sample of 20

communities, representing the 13 groups identified was drawn at random and the samples of households from each of the 13 groups were proportionate to the size of the group in the population. One person from each household was interviewed.

In addition to data required for the construction of the DAI and DOI, data collected in the household survey covered a broad range of user attributes including age, sex, ethnicity, and income levels. The questionnaire used in this exercise is attached as Appendix 3 (it is deliverable no. 3). One questionnaire per household was administered to the person held out to be the head of the household or someone designated by such a person or any adult willing to respond if there was no identifiable head present. The questionnaires sought information on the use of ICT services at home, at school, at work and at other locations including hot spots, mobile and other libraries, International Calling Centres and Internet Cafés.

Enumerators were assigned to one or more selected communities in Trinidad & Tobago and were instructed on the number of households to be surveyed in each of these areas. They were provided with GIS maps of the areas containing the households that would form part of the survey. The first task was to determine randomly the address at which to begin the survey (the 'point of entry'), then chose every third address, until the street was exhausted (the 'skip rule'). They then proceeded to a neighbouring street and continued in the same manner. In the case of non response at a given address, the enumerator proceeded next door and applied the same skip rule thereafter.

In all, useful responses were obtained from 5,912 households. The data was processed using CSPro and SPSS. Of the 20 communities, we believed that the data obtained from one of them (Navet) was considered unreliable. All remaining communities were classified into 19 income groups or cohorts and ranked from lowest to highest on the basis of per capita income as determined by the 2000 Census of the population. The income levels so obtained were used to define 19 income bands, each centred on the per capita income of the sampled community. A non sampled community was declared as belonging to the income cohort of the sampled community if its per capita income in the 2000 Census fell into the band centred on that community's per capita income.

There was inevitably some overlap between the questions asked to the households and the providers, especially those relating to the indicators making up the DAI and the DOI. This turned out to be useful since the providers were not forthcoming with information and data obtained from the households had to be extended to the rest of the population. How this is done is detailed in section 4.

In addition to the overview data supplied by the Service Providers, data was obtained from *specialized public agencies*. Questionnaires addressed to two of them – the NALIS and the Ministry of Community Development - are attached in Appendix 1. The NALIS provided overview information on the number of libraries that provide Internet access to the general public. The Ministry of Education provided information on the location of all schools in Trinidad & Tobago, the number of students enrolled in each of these schools, and whether or not these schools had Internet service. Finally, information on Internet Cafés was obtained from an information gathering exercise conducted by the Telecommunications Authority of Trinidad and Tobago.

4. METHODOLOGY

The DOI and DAI indicators represent the basic data requirements. While some of these indicators are common to both the DOI and the DAI and others are similar, they may carry different weights (see Section 3 above). The procedures followed for obtaining values of the indicators are presented below.

DOI and DAI Indicators

A description of how each of the indicators was determined is presented here together with an example of the results obtained for each of the indicators.

Mobile cellular coverage (percentage of population)

This relates to the DOI only. This was taken as 100% for the entire country. This figure enters with a weight of 1/3 in the calculation of the DOI Opportunity Index.

Mobile cellular tariffs (percentage of per capita income)

This relates to the DOI only. The estimated cost for the entire country for 100 minutes per month (the international benchmark) is just less than TT$100.00 per month, which is the basic cost used, giving an annual total of TT$1,200.00. Because there is no breakdown of GDP by geographical community, this was approximated, for each community, by the per capita income of the corresponding community based on the 2000 Census of the population. The corresponding value, using the community of Barackpore as an example, is TT$10,540.66 and the corresponding indicator is 1200 divided by this figure: 0.114. To be consistent with the overall index, this 'negative' indicator must be converted to a positive one (1-0.114) and then adjusted (divided) by the 'goalpost (1-0.0016) to give (1-0.114)/(1-0.0016)= 0.887. This figure enters with a weight of 1/3 in the calculation of the DOI Opportunity Index.

Internet access tariffs (percentage of per capita income)

This indicator relates to both the DOI and the DAI and is in fact the DAI Affordability Index. The estimated cost for about 20 hours a month (the international benchmark) is TT$80.00, or TT$ 960.00 per annum which, relative to per capita GDP, is 960/10,540.66 or 0.091, for Barackpore. The same procedure is followed as for 'mobile cellular tariffs' to convert this 'negative' indicator/index into a positive one. In the case of

the DOI, this requires the adjustment for the benchmark (1-0.002), to arrive at an indicator value of 0.911 for Barackpore. This figure enters with a weight of 1/3 in the calculation of the DOI Opportunity Index. The DAI Affordability Index is (1-0.091), or 0.909 (goalpost is 100%).

Proportion of households with a fixed-line telephone

This indicator relates to the DOI only. The sole fixed-line provider was unwilling or unable to provide the breakdown of fixed lines by the communities that were identified. The ratio was therefore estimated from the sample using, for each community in the sample, the ratio of the total number of fixed lines to the total number of households sampled. In the case of Barackpore, for instance, the number of fixed-line telephones was 404 and the total number of households sampled was 595. The corresponding DOI Indicator (goalpost 1000%) is therefore estimated as 404/595=0.679. A community that did not form part of the sample was assigned an indicator value identical to that of the sampled community in its income cohort. For instance, Acono Village, which is in the same income cohort as Barackpore, was assigned a DOI Indicator of 0.679. The DOI Indicator accounts for 20% of the DOI Infrastructure Index.

Mobile cellular subscribers per 100 inhabitants

This indicator relates to both the DOI and the DAI. Both mobile service providers were unwilling or unable to provide the breakdown of mobile telephones by the geographical communities that we had identified. The ratio was therefore estimated from the sample: for each community in the sample, we determined the total number of mobile phones and the total of all members of households sampled. In the case of Barackpore, the number of mobile telephones was 1956 and, for a total household membership sampled of 2344, the corresponding value of the DOI and DAI indicators (goal post 100%) is therefore 0.885. A community that did not form part of the sample was assigned an indicator value identical to that of the sampled community in its income cohort. The DOI Indicator accounts for 20% of the DOI Infrastructure Index and the DAI Indicator for 50% of the DAI Infrastructure Index.

Proportion of households with Internet access at home

This relates to the DOI only. In each geographical community sampled, the number of households with Internet access (whatever the medium used for this access) may be inferred from the sample. In the case of Barackpore, this number was 76 and the number of households sampled in that area was 595, giving an index of 76/595, or 0.128. For a goalpost of 100%, this is the value of the indicator used, which enters with a weight of 20% in the DOI Infrastructure Index. A community that did not form part of the sample was assigned an indicator value identical to that of the sampled community in its income cohort.

Mobile Internet subscribers per 100 inhabitants

This relates to the DOI only. For each community in the sample, the number of households with Internet access using a mobile device may be inferred from the sample. In the case of Barackpore, this number was 27 and the number of households sampled in that area was 595, giving an index of 27/595, or 0.045. For a goalpost of 100%, this is the value of the indicator used, which enters with a weight of 20% in the DOI Infrastructure Index. A community that did not form part of the sample was assigned an indicator value identical to that of the sampled community in its income cohort.

Proportion of households with a computer

This relates to the DOI only. In each community sampled, the number of households with at least one computer (desktop or laptop) may be inferred from the sample. In the case of Barackpore, this number was 179 and the number of households sampled in that area was 595, giving an index of 179/595, or 0.30. For a goalpost of 100%, this is the value of the indicator used, which enters with a weight of 20% in the DOI Infrastructure Index. A community that did not form part of the sample was assigned an indicator value identical to that of the sampled community in its income cohort.

Internet users per 100 inhabitants

This indicator relates to both the DOI and the DAI and is in fact the DAI Usage Index. In each community sampled, the number of persons using the Internet (at home or elsewhere) may be inferred from the sample. In the case of Barackpore, this number was

420 and the total of all members of households sampled in that area was 2344, giving a value of 420/2344, or 0.179. For a goalpost of 100%, this is the value of the DOI indicator used, which enters with a weight of 33% in the DOI Utilization Index. For a goalpost of 85%, the value of the DAI Usage Index was calculated as (0.179/0.85)=0.211. A community that did not form part of the sample was assigned an indicator value identical to that of the sampled community in its income cohort.

Ratio of Fixed Broadband Internet subscribers to total Internet subscribers

This relates to the DOI only. The information is inferred from the sample where it is possible to determine the number of fixed broadband Internet users and the total number of Internet subscribers. Once again, the service providers did not or could not provide us with either pieces of information by community. In the case of Barackpore, the number of broadband subscribers was 13 and the total number of Internet subscribers was 420, giving a value of 13/420, or 0.031. For a goalpost of 100%, this is the value of the DOI indicator used, which enters with a weight of 33% in the DOI Utilization Index. A community that did not form part of the sample was assigned an indicator value identical to that of the sampled community in its income cohort.

Ratio of Mobile Broadband Internet subscribers to mobile Internet subscribers

This relates to the DOI only. This ratio was inferred from the sample. Of the two mobile providers, only one provides broadband Internet services. Moreover, access to it is cheaper than access to the non broadband services of the other network. It was assumed that a household with mobile Internet access had broadband Internet access if there was at least one mobile phone from the broadband provider in the household. For Barackpore, the number of broadband Internet subscribers so determined was 24 and the total number of Mobile Internet household subscribers was 27. The ratio was therefore calculated as 24/27, or 0.889. For a goalpost of 100%, this is the value of the DOI indicator used, which enters with a weight of 33% in the DOI Utilization Index. A community that did not form part of the sample was assigned an indicator value identical to that of the sampled community in its income cohort.

It is our opinion that the DOI should be calculated without the use of this indicator. The reason for the proposed omission is that there are very few mobile Internet

subscribers in Trinidad & Tobago and most of them are broadband subscribers. This ratio is therefore like to carry a disproportionately heavy weight in the Utilization Indicator and consequently in the overall DOI index. For example, in some communities, there are no more than two mobile Internet subscribers and both are broadband subscribers, giving a ratio of 100%. In the case where it is omitted from consideration, we recommend that the Utilization Index be made up of the remaining two indicators in this category ('Internet users per 100 inhabitants' and 'Ratio of Fixed Broadband Internet subscribers to total Internet subscribers'), each equally weighted. We shall call the resulting Utilization Indicator and DOI Index the 'Alternate Utilization' Indicator and 'Alternate DOI' Index (DOI_ALT) respectively.

Fixed-line telephone subscribers per 100 inhabitants

This indicator relates to the DAI only. The sole fixed-line provider was unwilling or unable to provide the breakdown of fixed lines by the communities that we had identified. The ratio was therefore estimated from the sample: for each community in the sample, we determined the total number of fixed lines and the total of all members of households sampled (the sum of all persons in all households sampled). In the case of Barackpore, the number of fixed-line telephones was 404 and the total of all members of households sampled was 2344. The corresponding DAI Indicator (goalpost 60%) is therefore 0.287. A community that did not form part of the sample was assigned an indicator value identical to that of the sampled community in its income cohort. For instance, Acono Village, which is in the same income cohort as Barackpore, was assigned a DAI indicator of 0.287. The DAI Indicator accounts for 50% of the DAI Infrastructure Index.

Adult Literacy

This relates to the DAI only. The figure for each geographical region was estimated directly from the 2000 Census as (1-Adult Illiteracy Rate), where Adult Illiteracy Rate=(Persons 15 years old and over with no formal education/All persons 15 years old and over). For a goalpost of 100%, this is the value of the DAI indicator used, which enters with a weight of 67% in the DAI Knowledge Index.

Combined primary, secondary and tertiary school enrolment level

This relates to the DAI only. Ideally, this should be estimated as the proportion of all persons between the ages of 4-24 (the age cohort) enrolled in primary, secondary and tertiary level. We were in fact able determine the size of the age cohort from the 2000 Census as well as the numbers enrolled at each level, but were unable to determine the ages of those enrolled. We therefore used the ratio of total enrolment at all levels/Total persons in age cohort. For a goalpost of 100%, this is the value of the DAI indicator used, which enters with a weight of 33% in the DAI Knowledge Index. This clearly is an overestimation of the desired figure especially since many enrolled at the tertiary level are likely to be older than 24.

International Internet bandwith (bits) per capita

This relates to the DAI only. It was difficult to get exact information on the International Internet Bandwidth and the most reliable that we could obtain from an expert was that "TSTT is using an Internet Protocol speed on their Next Generation Backbone Network (NGN) of OC12, OC24 depending on the traffic (a mixture of voice, data and video)." The bandwidth associated with OC12 is 622 Mbps and with OC 24 is 1.244 Gbps. We therefore estimated that, on average, Trinidad & Tobago's International Internet bandwidth was roughly 900 Mbps. This total was divided by the population total (about 1.3 million) to obtain an estimate of 692.31 bps, which was applied to the entire country. For a goal post of 10, 000, we calculated the value of this indicator using the formula [LOG(692.31)-LOG(0.01))/(LOG(10000)-LOG(0.01)], which is recommended by the ITU. The resulting value of 0.807 is the value of the DAI indicator used, and it enters with a weight of 50% in the DAI Quality Index.

Broadband subscribers per 100 inhabitants

This relates to the DAI only. This was estimated from the sample of households. The total amount of broadband users was taken as the total members of households where broadband was available. This was in turn divided by the total of all members of households sampled. In the case of Barackpore, the number of broadband subscribers was estimated as 13 and the total of all members of households sampled was 2344. The ratio is therefore 13/2344= 0.0055. For a goalpost of 30%, the value of the DAI indicator was

calculated as 0.0055/0.30 = 0.018, which enters with a weight of 50% in the DAI Quality Index. A community that did not form part of the sample was assigned an indicator value identical to that of the sampled community in its income cohort.

Calculation of DOI and DAI indices for Barackpore

Barckpore is used to illustrate how the DOI and DAI sub-indices and overall indices are calculated. Tables 3 and 4below show, respectively, the DOI and DAI Index and Indicators for the community of Barackpore:

Table 3: The DOI Index and its Component Indicators for the Community of Barackpore

Category / Indicators	**Score %**	**Goalpost %**	**Indicator**	**Weight within category (%)**	**Category Index**
Opportunity					
Percentage of population covered by mobile cellular telephony	100	100	1	33	0.9322
Mobile cellular tariffs as a percentage of per capita income	11.38	0.16	0.8860	33	
Internet access tariffs as a percentage of per capita income	9.11	0.2	0.9107	33	
Infrastructure					
Proportion of households with a fixed line telephone	67.90	100	0.6790	20	0.3975
Mobile cellular subscribers per 100 inhabitants	83.45	100	0.8345	20	
Proportion of households with Internet access at home	12.77	100	0.1277	20	
Mobile Internet subscribers per 100 inhabitants	4.54	100	0.0454	20	
Proportion of households with a computer	30.08	100	0.3008	20	
Utilization (figures in parentheses refer to DOI_ALT)					
Internet users per 100 inhabitants	17.92	100	0.1792	33 (50)	0.3664 (0.1051)
Ratio of Fixed Broadband Internet subscribers to total Internet subscribers	3.1	100	0.031	33 (50)	
Ratio of Mobile Broadband Internet subscribers to mobile Internet subscribers	88.89	100	0.8889	33 (0)	
		DOI_ALT			**0.4784**
		DOI			**0.5655**

Table 4: The DAI Index and its Component Indicators for the Community of Barackpore

Category	Indicator	Score	Goal Post %	Indicator	Weight in Category %	Category Index
Infrastructure						
	Fixed telephone subscribers per 100 inhabitants	17.24	60	0.2873	50	0.5609
	Mobile cellular subscribers per 100 inhabitants	83.45	100	0.8345	50	
Affordability						
	Internet access price as percentage of Gross National Income per capita	9.11	100	0.9089	100	0.9089
Knowledge						
	Adult Literacy	96.13	100	0.9613	67	0.8457
	Combined primary, secondary and tertiary school enrolment level	61.09	100	0.6109	33	
Quality						
	International Internet bandwidth (bits) per capita	692.31	10000	0.8067	50	0.4126
	Broadband subscribers per 100 inhabitants	0.555	30	0.0185	50	
Usage						
	Internet users per 100 inhabitants	17.92	85	0.2108	100	0.2108
DAI						**0.5878**

5. ANALYSIS OF RESULTS

Modern practice places greater reliance on the DOI index and in fact the DAI Index is being phased out. It is therefore recommend that international practice be followed in this regard. Furthermore, it is also recommended that we place greater reliability on the DOI_ALT index than on the standard DOI for reasons outlined in Section 2.

The detailed results for the 585 communities and for Trinidad & Tobago as a whole, showing values for indicators, category indices as well as the DOI_ALT, DOI and DAI indices, are given in a EXCEL file accompanying this report. For Trinidad & Tobago as a whole, the overall indices were calculated as:

DOI_ALT = 0.5595

DOI = 0.6315

DAI = 0.6668

These figures are high by International standards but are not unrealistic. In a 2004/5 study (ITU 2006), Trinidad & Tobago as a whole had a DOI score of 0.45 and in another in 2002 (ITU 2003) it obtained a DAI score of 0.53. These studies employed macro data only, not sample (micro) data as is the case here. At any rate, there must have been some improvement since that date, especially given the pace of liberalization in the sector. Nevertheless, international comparisons done on the basis of these figures should be carried out with extreme caution.

This study is less concerned with the national values than with the value of the three indices for the 585communities. The different indices are highly correlated (over 97% in all cases), indicating that each one conveys more or less the same *relative* information about the digital divide in the individual communities. In particular, high scores in one index are associated with high scores in the other two and vice-versa. On a community by community basis, however, the indices are markedly different. Some summary descriptive statistics of the three indices are shown in Table 5 below:

Table 5: Summary Descriptive Statistics for the DOI and DAI Indices

		DOI_ALT	DOI	DAI
No. of Observations		585	585	585
Mean		0.5452	0.6321	0.6582
Std. Error of Mean		0.00349	0.00288	0.00309
Mode		0.48	0.58	0.59
Std. Deviation		0.08430	0.06970	0.07480
Skewness		1.182	1.093	1.130
Kurtosis		4.099	3.682	3.444
Jarque-Bera		164.938	127.227	126.539
Range		0.46	0.39	0.33
Minimum		0.38	0.48	0.57
Maximum		0.85	0.87	0.90
Ratio of Max to Min		2.210	1.806	1.577
Percentiles	25	0.4777	0.5771	0.5959
	50	0.4989	0.5930	0.6271
	75	0.5829	0.6660	0.6951

Jarque-Bera statistics are all significant at values close to 0

The mean values are all over 50% and the ratio of the highest to lowest values range from 1.58 for the DAI to 2.21 for the DOI_ALT. The distributions are all skewed and leptokurtotic and deviate therefore substantially from the normal distribution as is evidenced by the very significant values of the Jarque-Bera statistics. In the case of the DOI, only two communities are below 50% (barely) and in the case of the DAI none is. Though all relatively high in value, the index values are significantly different from each other: the value is relatively high for relatively richer communities and relatively low for relatively poorer communities. Furthermore, the story is not as rosy when we consider the more reliable DOI_ALT Index: 264 communities are below the 50% mark and two are in the 30s. The scores are highly correlated with income levels: 190 of the 264 sub 50% DOI_ALT scores are from the lowest income cohort in the country and close to 99% of the rest are from the next three lowest cohorts. Furthermore, the top 10 communities are the same, no matter what index is used, and they are in the highest income cohort. Maps of the islands of Trinidad and Tobago showing the distribution of the values for the three indices are given in Appendix 4.

The individual indicators making up the three indices have quite different stories to tell, as Table 6 below shows:

Table 6: Summary Descriptive Statistics for the DOI and DAI Indicators

		DOI				DAI				
		OPP	INF	UTI_ALT	UTI	INF	AFF	KNO	QUA	USA
No. of Observations		585	585	585	585	585	585	585	585	585
Mean		0.9405	0.4845	0.2123	0.4707	0.6236	0.9204	0.8872	0.4667	0.3899
Std. Error of Mean		0.00106	0.00439	0.00538	0.00370	0.00298	0.00110	0.00125	0.00366	0.00815
Mode		0.94	0.40	0.11	0.40	0.56	0.92	0.89	0.41	0.21
Std. Deviation		0.02565	0.10606	0.13001	0.08956	0.07197	0.02668	0.03018	0.08861	0.19719
Skewness		-4.384	0.894	1.749	1.526	0.937	-0.359	0.490	2.417	0.962
Kurtosis		47.865	2.467	7.231	6.515	2.744	3.941	4.957	10.918	2.693
Jarque-Bera		0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202
Range		0.34	0.38	0.68	0.67	0.25	0.16	0.21	0.50	0.66
Minimum		0.65	0.39	0.10	0.18	0.55	0.82	0.78	0.40	0.21
Maximum		0.99	0.77	0.78	0.85	0.80	0.98	0.99	0.90	0.87
Ratio of Max to Min		1.5231	1.9744	7.8000	4.7222	1.4545	1.1951	1.2692	2.2500	4.1429
Percentiles	25	0.9300	0.4000	0.1100	0.4000	0.5600	0.9100	0.8700	0.4100	0.2100
	50	0.9400	0.4100	0.1500	0.4300	0.6000	0.9200	0.8900	0.4200	0.3400
	75	0.9500	0.5500	0.2800	0.5200	0.6700	0.9400	0.9000	0.5100	0.4800

Jarque-Bera statistics are all significant at values close to 0

In the DOI category, the Opportunity Index (OPP) is by far the highest: if we ignore the two lowest values (0.65 and 0.68), the lowest value is 0.87. Opportunity is clearly not an issue: all communities in Trinidad & Tobago seem well poised to launch themselves into the ICT era. The population as a whole has wide access to ICT services: this includes 100% mobile coverage and relatively low mobile cellular and Internet access tariffs.

Infrastructure, on the other hand, is quite a problem: 354 of the 585 (61%) communities are below the 50% mark and 474 (81%) below 60%. The average is less than 40%, with values ranging from a low of 0.39 to a high of only 0.77, and this is despite the existence of a relatively high proportion of mobile subscribers. Most of the poorer households do not have computers and Internet access at home. Many as well do not have fixed lines at home and, though very many own mobile cellular phones, access to the Internet by this means is not widespread.

Utilization in the DOI category is also a serious problem, especially if we consider only the Alternate index (UTI_ALT): mean utilization is just over 20% and half of the communities are below 15%.

Similar conclusions are drawn when the DAI category indices are analyzed: opportunity is good but infrastructure and utilization relatively quite poor, especially in the lower income communities. In fact, scores obtained within the category indices (DOI and DAI) are once again highly correlated with income: the poorest communities consistently score the lowest and the richest communities the highest. Maps of the islands of Trinidad and Tobago showing the distribution of the values for the various DOI and DAI indicators are given in Appendix 5.

The results of the above computation, especially Internet access, must be tempered with the data collected for the schools and tertiary level institutions (TLI), public libraries, Internet cafes and businesses. While there is overlap in access, since some persons have access both at home and outside of the home, many persons only have access at their workplaces, institutions, from public places or through Internet cafes.

Many of the TLIs offer Internet access to both staff and students of their institution. The estimated number of students registered to TLIs is approximately 30,000. While not all of them may actually use the Internet, the opportunity exists for most of these students. Some institutions such as UTT, UWI and COSTTATT provide either wired and wireless Internet access to most of their students.

The details provided by the Ministry of Education about Internet access in schools is summarized in table 7. It may be noted that a majority of schools have dial-up Internet access rather than DSL. In addition, while the number of students registered in the schools is provided, there is no indication as to the extent of usage amongst students. Potentially though, all of these students have available to them access to computers and the Internet.

Table 7: Internet access at schools in Trinidad & Tobago

District	Type of Schools	Number of Schools	Have Internet		Total Number of Potential Users
			Dial Up	DSL	
St Patrick	Secondary	14	11	0	2142
St Patrick	Primary	61	37		21824
Caroni	Secondary	17	9	2	5060
Caroni	Primary	70	46		28438
Nariva/Mayaro	Secondary	5	3	0	3349
Nariva/Mayaro	Primary	52	21		7439
St. Andrew/St David	Secondary	10	6	0	6291
St. Andrew/St David	Primary	45	29		11825
St George East	Secondary	18	6	4	6990
St George East	Primary	107	50		31060
St George West	Secondary	32	14	10	30980
St George West	Primary	94	17		49236
Tobago	Secondary	9	3	0	4261
Tobago	Primary	40	31		5597
Victoria	Secondary	31	15	4	29976
Victoria	Primary	79	42		35852

Source: Ministry of Education of Trinidad & Tobago

A summary of Internet access available from Internet cafes is provided in Table 8:

Table 8: Internet access through Internet Cafés

Internet Café	Numbers
Number of Cafes responded	17
Locations	Tobago (3) Port of Spain and Environs (4) East West Corridor (3) San Fernando and Environs (3) North East Trinidad (2) South East Trinidad (2)
Type of Services Provided by most	Internet/Gaming Café, Typing Services, Document Preparation, Photocopying, Printing, Sale of Office/Multimedia Accessories, Scanning, faxing, laminating, local and international calls
Connection speeds	DSL – 1 Dial Up – 16, (128-512 kbps) High Speed - 0
Average number of Users/week/Internet Cafe	127 persons per Café.
Average number using all cafes per week	2040
Total number of Computers available in Cafes	120

Source: Telecommunications Authority of Trinidad and Tobago

It may be noted that this is not an exhaustive list but represents those that responded to the call for registration with the Telecommunications Authority of Trinidad and Tobago.

Public libraries are located throughout the country as summarized in table 9:

Table 9: Computer and Internet Access at Public Libraries in Trinidad & Tobago

Information Item	Numbers
Number of Libraries	Trinidad – 21 Tobago - 3
Number of Computers	Staff Use – 400 Public Use – 250, where 150 are located at the National Library in POS, 100 at other service points
Internet Access	All computers
Type of Internet Access	Dial Up and Frame relay
Number of Persons accessing Internet	National Library – 283/month Other Service Points - 17000

Source: NALIS

6. RECOMMENDATIONS AND CONCLUSIONS

The relatively high value of the DOI Opportunity Index for all communities is proof enough that accessibility to and affordability of ICT services is generally not a major issue throughout Trinidad & Tobago. However, the relatively low Infrastructure and Utilization Indices in most communities is cause for concern.

The first recommendation is that immediate steps be taken to improve the infrastructure, with particular emphasis of encouraging Internet access.

In the first instance, this may be done through facilitating (1) the provision of widespread fixed-line services, since this is by far the easiest way to access the Internet from home and (2) the acquisition of home computers, especially in the 502 (out of 585) communities where the DOI Infrastructure Index is less than 50%. It is, of course, becoming more and more possible to access the Internet from home other than by using a fixed-line telephone. In addition to the mobile phone (which is a relatively expensive option), there are services available through providers of cable/satellite services. These may be encouraged given the trend in many communities to de-emphasize the use of fixed-line telephones in favour of mobile telephone services.

It is quite possible that, if the infrastructure is developed as recommended, then as a consequence utilization will improve quite naturally. However, this must not be taken for granted.

A second recommendation, therefore, is that a serious effort be made to encourage the use of the Internet, even with the given infrastructure, at home, at school, at the workplace, Internet Cafés and other places.

This may be done through a media blitz, but it must be of benefit to use the Internet. More and more government forms, services etc may be made available on line (including the preparation and submission of completed forms). At the time of writing, for instance, travel between Trinidad and Tobago by sea or air cannot be completed 100% on line (airfare must be paid offline although the booking may be done online).

Access is one thing: quality and ease of access are another:

The third recommendation is that priority should be given to the provision of affordable broadband services through fixed-line and, especially, mobile services.

In the sphere of non mobile services, much of this is happening at the moment of the preparation of this report. The current monopoly provider of fixed-line telephone services is in the process of phasing out its DSL services and replacing them with genuine broadband services. Other Internet providers are doing likewise. The problem persists, though, that most users of fixed–line services remain attached to dial-up Internet connections. The widespread availability of affordable broadband services ought to militate against this continued state of affairs.

The fourth recommendation is that, throughout the length and breadth of Trinidad & Tobago, more and more people be encouraged to subscribe to mobile (broadband) Internet services.

There is no reason why all further mobile Internet services should be, purely and simply, broadband services: the technology allows it and it should be used.

The recommendations need not be implemented in the order shown as, for instance, it is quite possible to implement the last first. If the are implemented, the various communities of Trinidad & Tobago will go a long way to closing the gap of the digital divide, both internally and externally.

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APPENDICES

Appendix 1

The Methodology used to divide Trinidad and Tobago into pre-defined Geographical Areas for Conduct of DAI and DOI Surveys

1.0 Introduction

This report provides the methodology used in the subdivision of Trinidad and Tobago into smaller geographical areas for conducting the surveys to determine the Digital Divide. A multiple criteria model was developed and executed using geographic information systems (GIS) tools to identify different classes of areas. It should be noted that the geographic sub-division of Trinidad and Tobago is done for the purpose of undertaking the stakeholder survey of households. Additional analyses using many other criteria would be undertaken after completion of stakeholder surveys. That is, once the service provider and the household surveys are completed, the results will be used to perform in-depth analyses on land line coverage, wireless coverage, cost of access, and other spatial analyses using the analytical tools available in Geographic Information Systems and statistical software packages.

The major variables used in the sub-division were as follows: income levels, population density and ethnicity by communities as defined by the Central Statistical Office in the 2000 Census. It should be noted that while the data from the 2000 Census is a dated, it is used here to provide a representative picture of reality for the geographic area sub-division. Updates from the Central Statistical Office and other government agencies will be obtained for the final analyses. In addition, the stakeholder survey is conducted for the purpose of supplementing existing data.

The rationale for selecting these three variables was to ensure that the geographic areas were defined using variables that reflected the prevailing

cultural, demographic and socio-economic conditions within communities. Income levels are used to zone communities in terms of an ability to pay for information and communication technology services. Population density is used to classify communities into rural, semi-urban and urban areas. Urbanization levels may be highly correlated to the availability of ICT networks and therefore the level of service provided in these different classes of areas. Ethnicity is used as a surrogate for cultural differences. Areas were classified into two classes - mixed or homogeneous communities. Cultural differences may drive preferences in terms of type of ICT accessed by stakeholders. Further analysis of this variable would be undertaken before firm conclusions are made.

While several other variables are available from the 2000 Census, these were not used in the delineation of geographic areas. These included age, gender, and education levels. Since access to ICT based on age and gender would be collected in the service provider and household surveys and because the GIS analysis completed so far showed that age and gender are distributed fairly evenly throughout the country, these two variables were not used in delineating geographic areas. An analysis of income levels and education levels revealed a very high correlation between these two variables. There is therefore a high correlation between education and income levels and an ability to pay for and therefore gain access to ICT. Ability to pay is a key parameter in determining DAI and DOI.

2.0 Data Collection for Delineating Geographic Areas

Census data compiled by the Central Statistical Office in 2000 were obtained for undertaking the geographic area delineation. The data was aggregated by communities and consisted of variables including population, gender, age, income levels, education, and ethnicity. Table 1 shows some of the variables available for undertaking the analysis. Figure

1 shows the communities as delineated by the CSO.

Name	Description
Community Code	A unique code to identify all communities
Community Name	Name of communities as defined by the CSO through interviews during the 2000 Census and from boundary delineation by Census Officer
Total, Male, Female Population	Total population, male and female populations for each community
Income levels – Average income earned by persons in each community	Income levels for each community provided as follows: 0-499, 500-999, 1000-1999, 2000-2999, 3000-3999, 4000-4999, 5000-5999, 6000-6999, 7000-7999, 8000-8999, 9000-9999, 10000-10999, 11000-11999, 12000-12999, GE 13,000, Not stated
Ethnicity – Information on ethnic background by community	Classified as follows: African, Indian, Chinese, Syrian/Lebanese, White/Caucasian, Mixed, Other, Not stated

Table 1. Socio-economic data used for defining geographical areas

Figure 1. Communities in Tobago

3.0 Methodology for Geographical Area Delineation

The following methodology was used in defining the geographical areas to be used for conducting the household survey.

3.1 Approach

1. The approach first used income levels to provide an initial definition of geographical areas. Income levels classification allows the identification of areas based on an ability to pay for access to ICT. The income levels were classified into four major classes as shown in table 2:

Income levels	Class
0-499, 500-999, 1000-1999, 2000-2999, 3000-3999, 4000-4999	LE 5000
5000-5999, 6000-6999,7000-7999, 8000-8999, 9000-9999	Between 5000-10000
10000-10999,11000-11999, 12000-12999, GE 13,000	GT 10,000
Not stated	NS

Table 2. Reclassification of income levels

The percentage of persons who did not state their income was on average about 16 percent. The number of persons in each income category for Trinidad and Tobago is presented in Table 3.

Class	No of Persons	Percentage
LE 5000	660,183	79.5
Between 5000-10000	26,908	3.2
GT 10,000	10,911	1.3
NS	132,350	16

Table 3. Income Levels for Trinidad and Tobago

The income for each community as defined by the CSO was then aggregated to these four classes which resulted in four columns of income levels for community population. These four columns of income levels should therefore add to 100 percent of the persons surveyed in each community. Table 4 shows an example of the results of this classification.

Community	LT5000	5000-10000	GT 10000	Not Stated
Lowland	74	4	2	20
Crown Point	83	4	4.5	8.5

Table 4. Income percentage classes

Using the only the income class of less than $5000 per month for individuals in each community, communities were placed into four percentage categories as shown in Table 5.

Percentage of Person with Income LT $5000/month	Category
0 – 60	1
60 -80	2
80-100	3
NS	0

Table 5. Percentage categories of persons in communities earning less than $5000/month

Table 5 may be interpreted as follows: All communities with up to 60 percent of persons earning an income of less than $5000/month are categorized as category 1. Similarly, communities where between 60 and 80 percent of persons earn an income of less than $5000/month are placed in category 2, and so on.

The rationale for using a single income group is that any one class can adequately reflect the behaviour of the variable to a great extent. For example, it is obvious that a small percentage in low income reflects a greater percentage of middle and high incomes. The categories identified above are used for similar reasons. The communities with the highest percentage of low income are therefore the financially least well off communities.

2. The second step was the classification of areas based on population density to classify areas into rural, semi-urban and urban areas. The following classes were used. Here the population densities of communities were reclassified into three major categories. Usually, a population of 1000 persons per square kilometer is considered to be sparsely populated or

rural. Similarly, communities with densities of greater than 4,000 persons per square kilometer are considered highly populated or urban. The existing GIS map obtained from the Central Statistical Office was also used to verify this definition.

Population Density (Persons/SqKM)	Category
0 – 1000	1
1000-4000	2
Greater Than 4000	3

Table 6. Population Density Classes

This subdivision along with the previous income categorization will allow the selection of geographical areas of different densities and income classes. A better understanding of the urban/rural as well as income differences can then be had from these distinctions.

3. The third step is used to obtain an understanding of areas habited by difference predominant groups. Ethnicity is used as a surrogate for delineating cultural differences by communities. The classification used here is presented in table 7.

Classification of Communities by Ethnicity Percentage	Category
African, Indian, Mixed Less than 60%	1
African, Indian, Mixed greater than 60%	2

Table 7. Identifying Cultural Classes (as defined by CSO)

4.0 Results

The results obtained are presented below. The Islands of Trinidad and Tobago are treated separately.

4.1 Tobago Results

Table 8 provides the classification information for Tobago. It should be noted that the only major difference for Tobago is based on income levels for the most part. Except for Bethlehem, the population density of Tobago for most of the island is less than 4000 and only 10 out of 67 communities have a population density greater than 1000/sqKm but less than 4000. See figure 2. The dominant group is of African descent in Tobago except for Speyside and Bacolet where there is less homogeneity. See figure 3. It therefore appropriate to use income levels to define areas in Tobago. See figure 4.

Figure 2. Population Density for Tobago (from CSO 2000 Census)

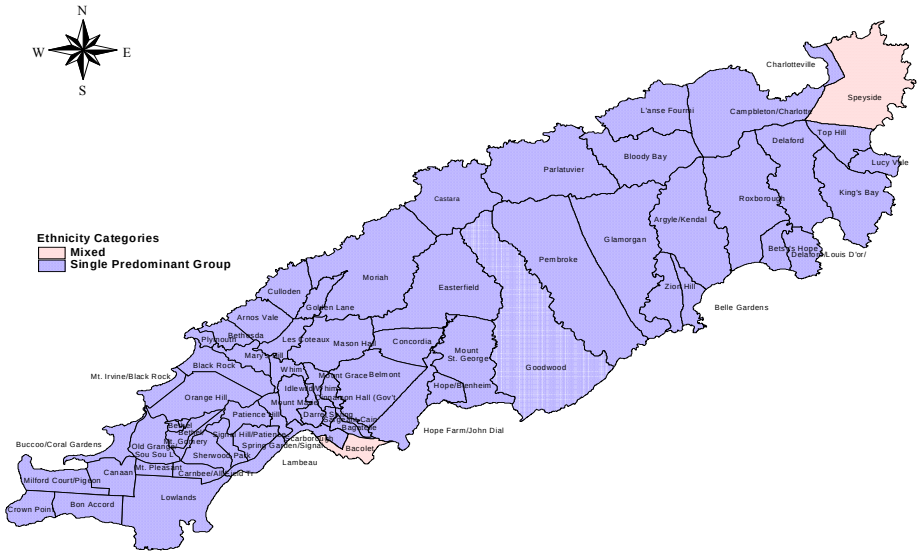


Figure 3. Ethnic mix of Tobago

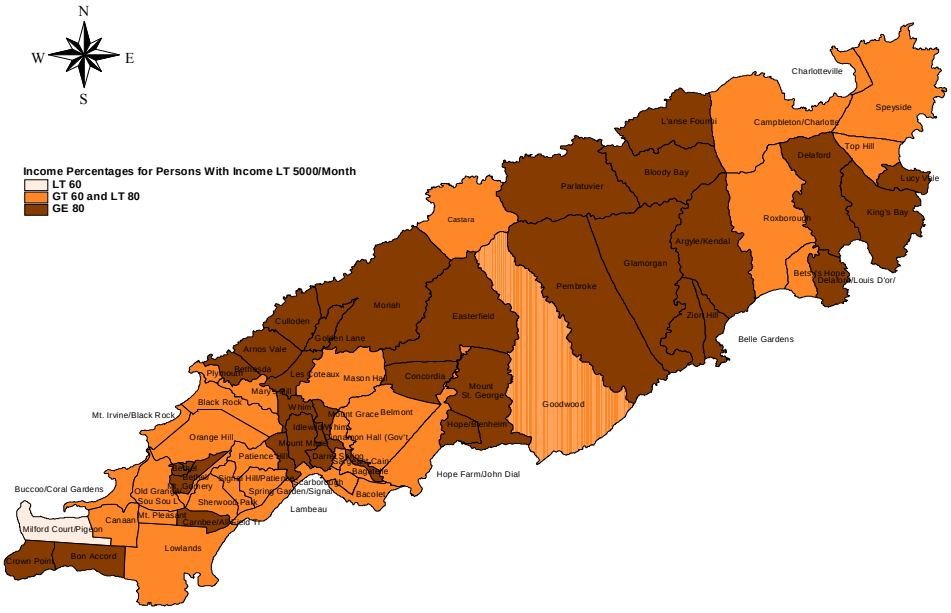


Figure 4. Communities by percentage class of income below $5000 per month.

COMMUNITY	Income Class	Population Density Class	African Category	Indian Category	Mixed Category
Milford Court/Pigeon	1	1	2	1	1
Speyside	2	1	1	1	1
Charlotteville	2	1	2	1	1
Campbleton/Charlotte	2	1	2	1	1
Top Hill	2	1	2	1	1
Roxborough	2	1	2	1	1
Betsy's Hope	2	1	2	1	1
Goodwood	2	1	2	1	1
Hope Farm/John Dial	2	1	2	1	1
Mason Hall	2	1	2	1	1
Belmont	2	1	2	1	1
Castara	2	1	2	1	1
Plymouth	2	2	2	1	1
Mary's Hill	2	1	2	1	1
Cinnamon Hall (Gov't	2	2	2	1	1
Patience Hill	2	1	2	1	1
Sargeant Cain	2	2	2	1	1
Carnbee/Patience Hil	2	1	2	1	1
Bagatelle	2	2	2	1	1
Signal Hill/Patience	2	1	2	1	1
Scarborough	2	2	2	1	1
Spring Garden/Signal	2	1	2	1	1
Sherwood Park	2	1	2	1	1
Lambeau	2	2	2	1	1

Bacolet	2	1	1	1	1
Black Rock	2	1	2	1	1
Mt. Irvine/Black Roc	2	1	2	1	1
Orange Hill	2	1	2	1	1
Buccoo/Coral Gardens	2	1	2	1	1
Old Grange/Sou Sou L	2	1	2	1	1
Canaan	2	1	2	1	1
Lowlands	2	1	2	1	1
Mt. Pleasant	2	2	2	1	1
L'anse Fourmi	3	1	2	1	1
Parlatuvier	3	1	2	1	1
Bloody Bay	3	1	2	1	1
Lucy Vale	3	1	2	1	1
Delaford	3	1	2	1	1
King's Bay	3	1	2	1	1
Argyle/Kendal	3	1	2	1	1
Delaford/Louis D'or/	3	1	2	1	1
Zion Hill	3	1	2	1	1
Belle Gardens	3	1	2	1	1
Glamorgan	3	1	2	1	1
Pembroke	3	1	2	1	1
Easterfield	3	1	2	1	1
Mount St. George	3	1	2	1	1
Concordia	3	1	2	1	1
Hope/Blenheim	3	1	2	1	1
Moriah	3	1	2	1	1
Culloden	3	1	2	1	1
Golden Lane	3	1	2	1	1
Arnos Vale	3	1	2	1	1
Les Coteaux	3	1	2	1	1
Bethesda	3	1	2	1	1
Whim	3	1	2	1	1
Mount Grace	3	2	2	1	1
Idlewild/Whim	3	1	2	1	1
Darrel Spring	3	2	2	1	1
Mount Marie	3	1	2	1	1
Calder Hall/Friendsf	3	1	2	1	1
Bethel/Mt. Gomery	3	1	2	1	1
Bethlehem	3	3	2	1	1
Bethel	3	2	2	1	1
Crown Point	3	1	2	1	1
Bon Accord	3	1	2	1	1
Carnbee/All Field Tr	3	1	2	1	1

Table 8. Categories for Tobago Communities

4.2 Trinidad Results

The results for Trinidad are presented in Figures 5-8 and Tables 9-11 below. The geographic areas are defined by using three variables: income levels, urban classes and cultural homogeneity classes.

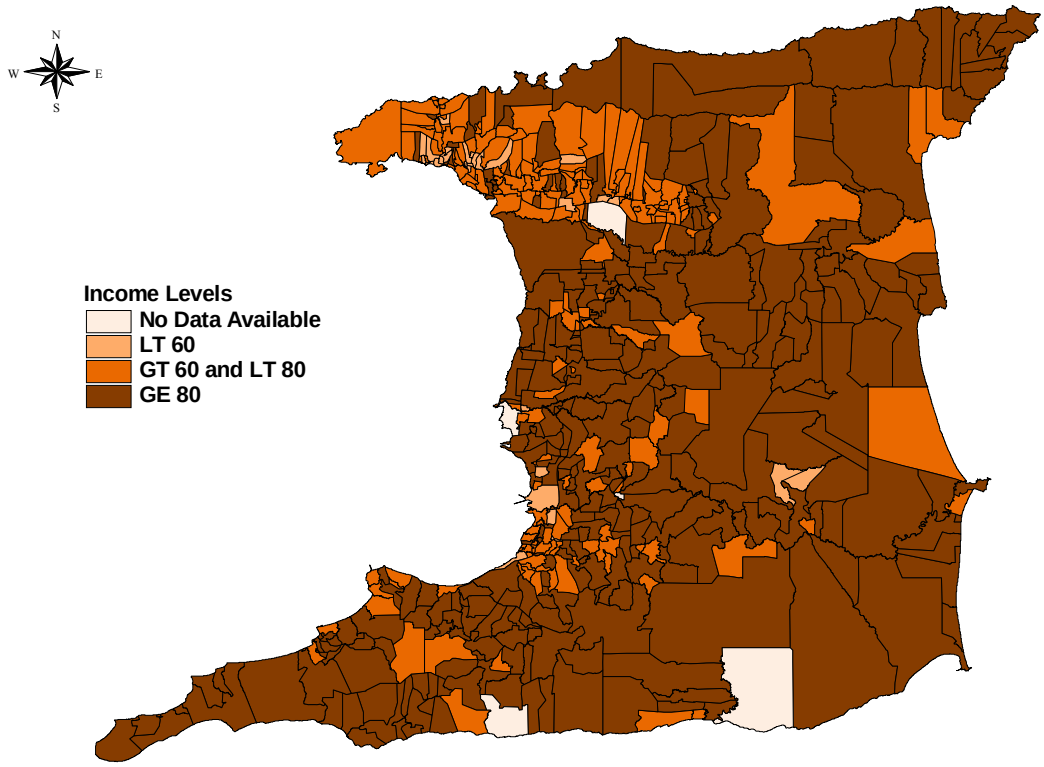


Figure 5. Classes of income levels below $5,000/ month

The map shows four categories of income levels for Trinidad. Unfortunately, the Central Statistical Office was unable to provide any data for three communities. These are placed into a data not available class. Two of the communities located on the southern part of the island had populations of less than 5 persons of which none were willing to state their incomes. In addition, the data for the single community in the north (Pasea Extension, Tunapuna) was simply not available for use. The other three classes show communities with categories of persons earning less than $ 5000/month by percentage.

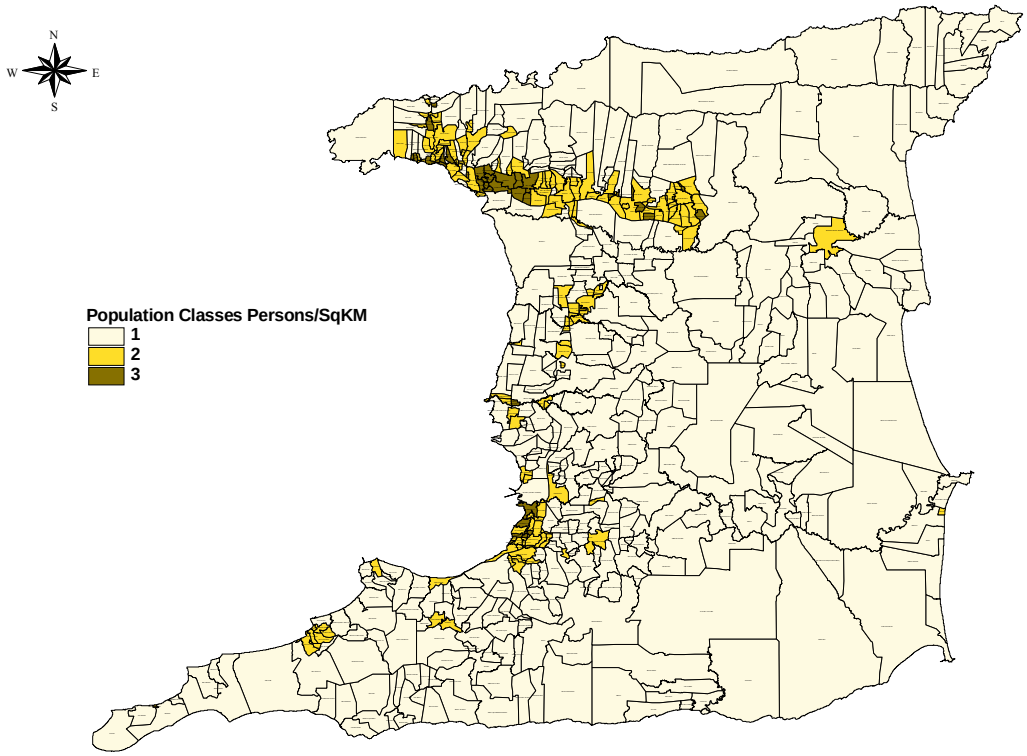


Figure 6. Population Density Classes

Figure 6 shows three classes of population density. Class one represents population densities of up 1000 persons per square kilometer. It may be noted that a significant portion of the island of Trinidad has a low density of population. Class 2 represents population densities between 1000 and 4000 persons per square kilometers. These are semi-urban areas that surrounds the urban areas of Point Fortin, LA Brea, Siparia, San Fernando, Princess Town, Marabella, Couva, Chaguanas, and the East-West Corridor.

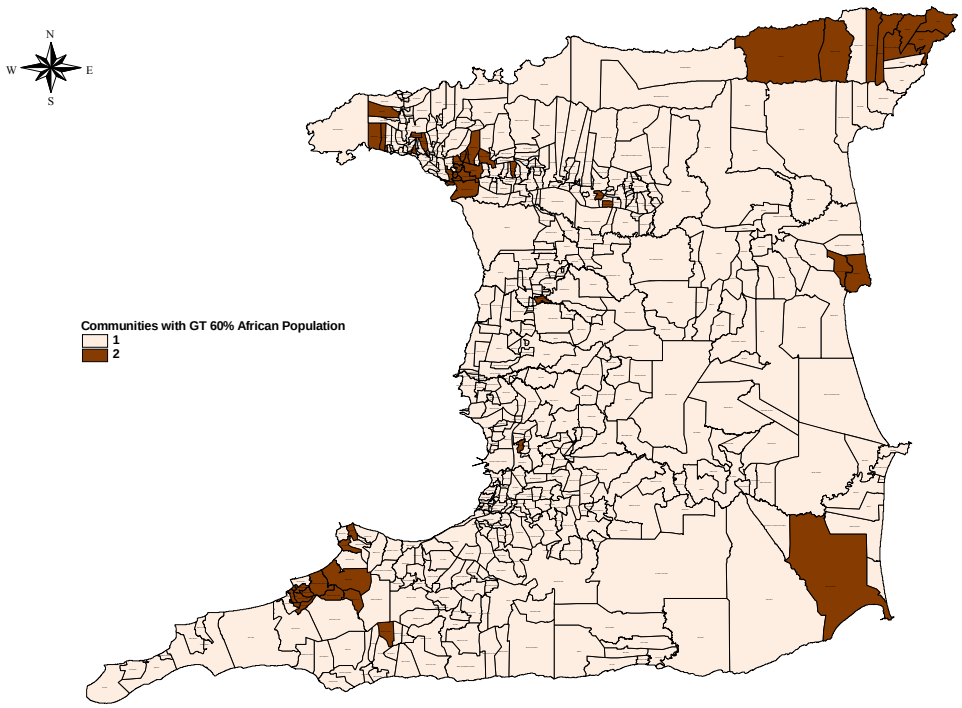


Figure 7. Distribution of communities where population of African descent is greater than 60 percent.

A list of these communities are as follows:

Sealots, East Port Of Spain, Carenage, Lanse Mitan', Big Yard, Powder Magazine, Simeon Road, Covigne, Water Hole, Dibe/Belle Vue, Picton, Upper, Belmont, St. Barbs, Eastern Quarry, Laventille, Morvant, Mon Repos, Beetham Estate, Romain Lands, Marie Road, Febeau Village, Mount Dor, Bon Air Development, Maloney Gardens, Edinburgh 500, Anglais Settlement, Cumana, Grand Riviere, Lanse Noir', Matelot, Mission, San Souci, Toco, Morin Bay, North Manzanilla, Springland/San Fabian, New Village, Hollywood, Point Ligoure, Egypt Village, Newlands, Point Fortin Proper, Techier Village, Bennet Village, Guapo Lot 10, La Brea, Parry Lands South, Vessigny, Cochrane, Gonzales, Guayaguayare.

A total of 51 Communities satisfy this criterion.

On the other hand there are 143 communities where the Indian population is greater than 60 percent. These are shown in figure 8 below. The list is a too long to include here. See table 9 for the complete list for Trinidad for all classes.

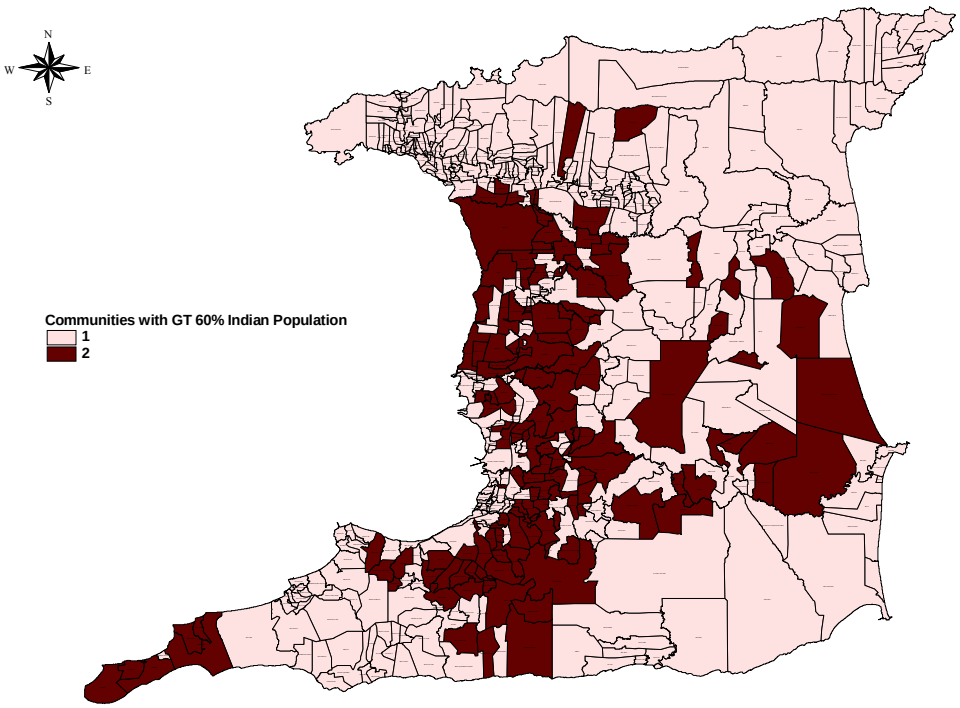


Figure 8. Distribution of communities where population of Indian descent is greater than 60 percent.

Areas can therefore be categorized according to these three criteria together showing low income, middle income and high income with rural, semi-urban and urban densities and dominant groups of different ethnicities. See figure 9 below. The tabular data for Trinidad is provided in table 9 showing the results of these criteria classification.

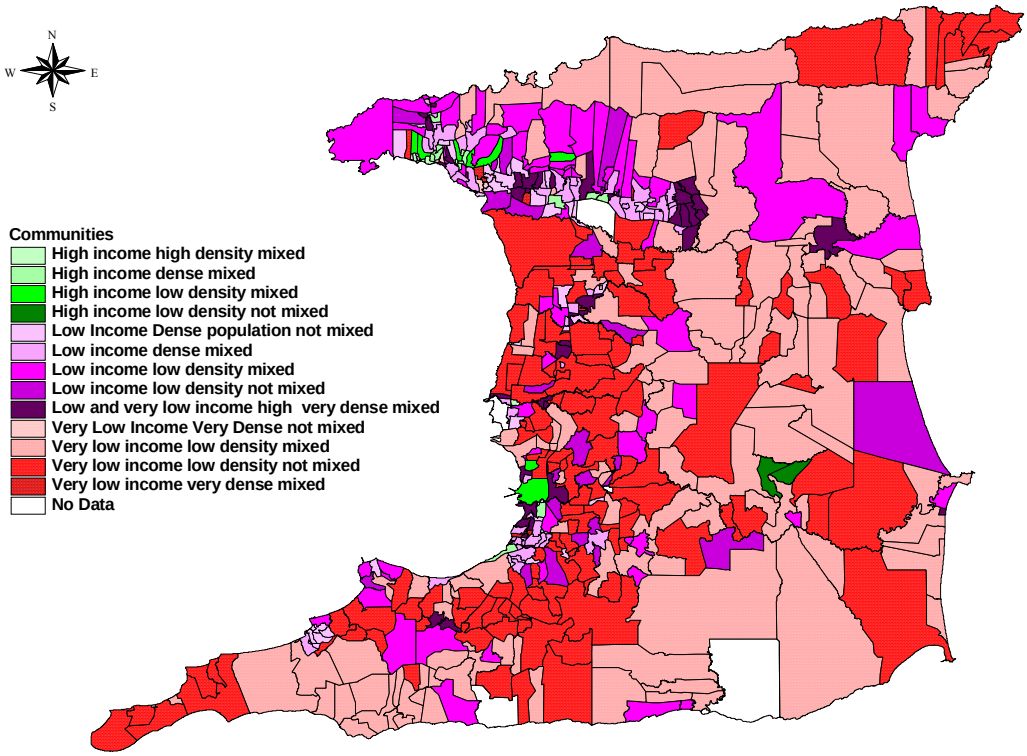


Figure 9 showing areas as categorized using all criteria

This map will then be used to identify communities for the household survey. The categories listed above will provide a guide to ensure that areas chosen to reflect the diversity that exist across Trinidad and Tobago.

Community	Income Class	Density Class	Population Mix	Description
POINT CUMANA	1	3	1	High income high density mixed population
WEST MOORINGS	1	3	1	High income high density mixed population
POINT LISAS (NHA)	1	3	1	High income high density mixed population
LA HORQUETTE	1	1	1	High income low density mixed population
CHAMP ELYSEES	1	1	1	High income low density mixed population
GOODWOOD GARDENS	1	1	1	High income low density mixed population
LADY CHANCELLOR	1	1	1	High income low density mixed population
CASCADE	1	1	1	High income low density mixed population
VALLEY VIEW	1	1	1	High income low density mixed population
TRINTOC (POINTE A PIER	1	1	1	High income low density mixed population
UNION VILLAGE	1	1	1	High income low density mixed population
NAVET VILLAGE	1	1	4	High income low density not mixed population
ELLERSLIE PARK	1	2	1	High income medium density mixed population
FEDERATION PARK	1	2	1	High income medium density mixed population
LONG CIRCULAR	1	2	1	High income medium density mixed population
UNION PARK	1	2	1	High income medium density mixed population
GULF VIEW	1	2	1	High income medium density mixed population
BAYSHORE	1	2	1	High income medium density mixed population
VICTORIA GARDENS	1	2	1	High income medium density mixed population
ALYCE GLEN	1	2	1	High income medium density mixed population
FAIRWAYS	1	2	1	High income medium density mixed population
BOISSIERE	1	2	1	High income medium density mixed population
FOUR ROADS	1	2	1	High income medium density mixed population
BLUE RANGE	1	2	1	High income medium density mixed population
MACOYA	1	2	1	High income medium density mixed population
TRINCITY	1	2	1	High income medium density mixed population
ST. CLEMENTS	1	2	1	High income medium density mixed population
VALSAYN	1	2	1	High income medium density mixed population
COCORITE	2	3	1	Low income high density mixed population
NEWTOWN	2	3	1	Low income high density mixed population
VISTABELLA	2	3	1	Low income high density mixed population
LOWER HILL SIDE	2	3	1	Low income high density mixed population
EMBACADERE	2	3	1	Low income high density mixed population
MARABELLA	2	3	1	Low income high density mixed population
CARIB HOMES	2	3	1	Low income high density mixed population
MOUNT PLEASANT	2	3	1	Low income high density mixed population
DIAMOND VALE	2	3	1	Low income high density mixed population
RIVER ESTATE	2	3	1	Low income high density mixed population
UPPER ST. JAMES	2	3	1	Low income high density mixed population
BARATARIA	2	3	1	Low income high density mixed population
SAN JUAN	2	3	1	Low income high density mixed population
MALICK	2	3	1	Low income high density mixed population
CANE FARM	2	3	1	Low income high density mixed population
DINSLEY	2	3	1	Low income high density mixed population
SANTA ROSA HEIGHTS	2	3	1	Low income high density mixed population
ST. CLAIR	2	1	1	Low income low density mixed population
PORT OF SPAIN PORT ARE	2	1	1	Low income low density mixed population

CHAGUARAMAS	2	1	1	Low income low density mixed population
RICH PLAIN	2	1	1	Low income low density mixed population
FORT GEORGE	2	1	1	Low income low density mixed population
BAGATELLE	2	1	1	Low income low density mixed population
BLUE BASIN	2	1	1	Low income low density mixed population
NORTH POST	2	1	1	Low income low density mixed population
CAMERON ROAD	2	1	1	Low income low density mixed population
HALELAND PARK/MOKA	2	1	1	Low income low density mixed population
ST. ANNS	2	1	1	Low income low density mixed population
GRAN CURUCAYE	2	1	1	Low income low density mixed population
LOWER SANTA CRUZ	2	1	1	Low income low density mixed population
SANTA CRUZ	2	1	1	Low income low density mixed population
SAM BOUCAUD	2	1	1	Low income low density mixed population
LA PASTORA	2	1	1	Low income low density mixed population
PETIT CURUCAYE	2	1	1	Low income low density mixed population
EL DORADO	2	1	1	Low income low density mixed population
PARADISE GARDENS	2	1	1	Low income low density mixed population
MARACAS/ST. JOSEPH	2	1	1	Low income low density mixed population
LA BAJA	2	1	1	Low income low density mixed population
LA SEIVA VILLAGE	2	1	1	Low income low density mixed population
ACONO VILLAGE	2	1	1	Low income low density mixed population
LA MANGO VILLAGE	2	1	1	Low income low density mixed population
MOUNT ST. BENEDICT	2	1	1	Low income low density mixed population
REAL SPRINGS	2	1	1	Low income low density mixed population
KANDAHAR	2	1	1	Low income low density mixed population
FIVE RIVERS	2	1	1	Low income low density mixed population
SURREY VILLAGE	2	1	1	Low income low density mixed population
CENTENO	2	1	1	Low income low density mixed population
LA RESOURCE	2	1	1	Low income low density mixed population
PETERSFIELD	2	1	1	Low income low density mixed population
CHAGUANAS PROPER	2	1	1	Low income low density mixed population
ST. THOMAS VILLAGE	2	1	1	Low income low density mixed population
BRASSO MANUEL JUNCTION	2	1	1	Low income low density mixed population
BRASSO VENADO	2	1	1	Low income low density mixed population
BRECHIN CASTLE	2	1	1	Low income low density mixed population
MORA SETTLEMENT	2	1	1	Low income low density mixed population
ST. JOSEPH VILLAGE	2	1	1	Low income low density mixed population
BALANDRA	2	1	1	Low income low density mixed population
SALYBIA VILLAGE	2	1	1	Low income low density mixed population
FISHING POND	2	1	1	Low income low density mixed population
SIXTH COMPANY	2	1	1	Low income low density mixed population
PALMYRA	2	1	1	Low income low density mixed population
PICTON	2	1	1	Low income low density mixed population
GUARACARA	2	1	1	Low income low density mixed population
SUM SUM HILL	2	1	1	Low income low density mixed population
LA LUNE	2	1	1	Low income low density mixed population
MORUGA VILLAGE	2	1	1	Low income low density mixed population
FIFTH COMPANY	2	1	1	Low income low density mixed population

PETIT CAFE'	2	1	1	Low income low density mixed population
CLIFTON HILL	2	1	1	Low income low density mixed population
APEX OIL FIELD	2	1	1	Low income low density mixed population
DE GANNES VILLAGE	2	1	1	Low income low density mixed population
DANNY VILLAGE	2	1	1	Low income low density mixed population
BRIGHTON	2	1	1	Low income low density mixed population
CHINESE VILLAGE	2	1	1	Low income low density mixed population
FOREST RESERVE	2	1	1	Low income low density mixed population
POINT DOR	2	1	1	Low income low density mixed population
VANCE RIVER	2	1	1	Low income low density mixed population
TODDS STATION	2	1	1	Low income low density mixed population
VALENCIA	2	1	1	Low income low density mixed population
ST. MARYS VILLAGE	2	1	1	Low income low density mixed population
COVIGNE	2	1	4	Low income low density not mixed population
EL SOCORRO EXTENSION	2	1	4	Low income low density not mixed population
MON REPOS	2	1	4	Low income low density not mixed population
BEETHAM ESTATE	2	1	4	Low income low density not mixed population
MARIE ROAD	2	1	4	Low income low density not mixed population
CAURA	2	1	4	Low income low density not mixed population
RAVINE SABLE	2	1	4	Low income low density not mixed population
WARREN VILLAGE	2	1	4	Low income low density not mixed population
CALCUTTA SETTLEMENT NO	2	1	4	Low income low density not mixed population
COCAL ESTATE/MAYARO	2	1	4	Low income low density not mixed population
TABLELAND	2	1	4	Low income low density not mixed population
PHILLIPINES	2	1	4	Low income low density not mixed population
POONAH	2	1	4	Low income low density not mixed population
RIVERSDALE	2	1	4	Low income low density not mixed population
SPRINGLAND/SAN FABIAN	2	1	4	Low income low density not mixed population
LOTHIAN	2	1	4	Low income low density not mixed population
VESSIGNY	2	1	4	Low income low density not mixed population
FRIENDSHIP	2	1	4	Low income low density not mixed population
HARMONY HALL	2	1	4	Low income low density not mixed population
MALGRETOUTE	2	1	4	Low income low density not mixed population
TORTUGA	2	1	4	Low income low density not mixed population
ST. JAMES	2	2	1	Low income medium density mixed population
WOODBROOK	2	2	1	Low income medium density mixed population
PORT OF SPAIN PROPER	2	2	1	Low income medium density mixed population
CITY PROPER	2	2	1	Low income medium density mixed population
PLEASANTVILLE	2	2	1	Low income medium density mixed population
LES EFFORTS WEST	2	2	1	Low income medium density mixed population
LES EFFORTS EAST	2	2	1	Low income medium density mixed population
BROADWAY	2	2	1	Low income medium density mixed population
COCOYEA VILLAGE	2	2	1	Low income medium density mixed population
GREEN ACRES	2	2	1	Low income medium density mixed population
MARAJ LANDS	2	2	1	Low income medium density mixed population
LA PUERTA	2	2	1	Low income medium density mixed population
DIEGO MARTIN PROPER	2	2	1	Low income medium density mixed population
INDUSTRIAL ESTATE	2	2	1	Low income medium density mixed population

GLENCOE	2	2	1	Low income medium density mixed population
PATNA VILLAGE	2	2	1	Low income medium density mixed population
ST. LUCIEN ROAD	2	2	1	Low income medium density mixed population
PETIT VALLEY	2	2	1	Low income medium density mixed population
SAUT DEAU	2	2	1	Low income medium density mixed population
BEAU PRES	2	2	1	Low income medium density mixed population
MARAVAL PROPER	2	2	1	Low income medium density mixed population
LA SEIVA	2	2	1	Low income medium density mixed population
CANTARO VILLAGE	2	2	1	Low income medium density mixed population
MT LAMBERT	2	2	1	Low income medium density mixed population
MT. HOPE	2	2	1	Low income medium density mixed population
NEVER DIRTY	2	2	1	Low income medium density mixed population
ST. JOSEPH	2	2	1	Low income medium density mixed population
ST. AUGUSTINE	2	2	1	Low income medium density mixed population
TACARIGUA	2	2	1	Low income medium density mixed population
AROUCA	2	2	1	Low income medium density mixed population
SANTA MARGARITA	2	2	1	Low income medium density mixed population
RED HILL	2	2	1	Low income medium density mixed population
CUREPE	2	2	1	Low income medium density mixed population
DINSLEY/TRINCITY	2	2	1	Low income medium density mixed population
SHERWOOD PARK	2	2	1	Low income medium density mixed population
CLEAVER ROAD	2	2	1	Low income medium density mixed population
PEYTONVILLE	2	2	1	Low income medium density mixed population
OLTON ROAD	2	2	1	Low income medium density mixed population
SAMAROO VILLAGE	2	2	1	Low income medium density mixed population
HOMELAND GARDENS	2	2	1	Low income medium density mixed population
EDINBURGH GARDENS	2	2	1	Low income medium density mixed population
LANGE PARK	2	2	1	Low income medium density mixed population
FAIRVIEW	2	2	1	Low income medium density mixed population
CALIFORNIA	2	2	1	Low income medium density mixed population
POINT LISAS (PLIPDECO	2	2	1	Low income medium density mixed population
CANAAN VILLAGE/PALMIST	2	2	1	Low income medium density mixed population
CORINTH	2	2	1	Low income medium density mixed population
DUNCAN VILLAGE	2	2	1	Low income medium density mixed population
PALMISTE	2	2	1	Low income medium density mixed population
STE. MADELEINE	2	2	1	Low income medium density mixed population
PLAISANCE PARK	2	2	1	Low income medium density mixed population
PRINCES TOWN PROPER	2	2	1	Low income medium density mixed population
FANNY VILLAGE	2	2	1	Low income medium density mixed population
DOW VILLAGE	2	2	1	Low income medium density mixed population
MAUSICA	2	2	1	Low income medium density mixed population
DABADIE	2	2	1	Low income medium density mixed population
LA FLORISANTE	2	2	1	Low income medium density mixed population
SEALOTS	3	2	4	Low Income medium density not mixed population
UNION VILLAGE	3	2	4	Low Income medium density not mixed population
TAROUBA	3	2	4	Low Income medium density not mixed population
CARENAGE	2	2	4	Low Income medium density not mixed population
BIG YARD	2	3	4	Low Income medium density not mixed population

SIMEON ROAD	3	2	4	Low Income medium density not mixed population
DIBE/BELLE VUE	2	2	4	Low Income medium density not mixed population
UPPER BELMONT	2	3	4	Low Income medium density not mixed population
ST. BARBS	2	3	4	Low Income medium density not mixed population
EASTERN QUARRY	2	3	4	Low Income medium density not mixed population
ARANGUEZ	2	2	4	Low Income medium density not mixed population
LAVENTILLE	2	3	4	Low Income medium density not mixed population
MORVANT	2	3	4	Low Income medium density not mixed population
ROMAIN LANDS	3	2	4	Low Income medium density not mixed population
FEBEAU VILLAGE	2	2	4	Low Income medium density not mixed population
MOUNT DOR	3	2	4	Low Income medium density not mixed population
BON AIR DEVELOPMENT	2	3	4	Low Income medium density not mixed population
SPRING VILLAGE	2	2	4	Low Income medium density not mixed population
ST. AUGUSTINE SOUTH	3	2	4	Low Income medium density not mixed population
LA PAILLE VILLAGE	2	2	4	Low Income medium density not mixed population
MALONEY GARDENS	2	3	4	Low Income medium density not mixed population
ESMERALDA	3	2	4	Low Income medium density not mixed population
ST. CHARLES VILLAGE	3	2	4	Low Income medium density not mixed population
EDINBURGH 500	2	2	4	Low Income medium density not mixed population
EDINBURGH VILLAGE	3	2	4	Low Income medium density not mixed population
WATERLOO	3	2	4	Low Income medium density not mixed population
DOW VILLAGE	3	2	4	Low Income medium density not mixed population
ESPERANCE VILLAGE	2	2	4	Low Income medium density not mixed population
RAMBERT VILLAGE	2	2	4	Low Income medium density not mixed population
ST. CHARLES VILLAGE	2	2	4	Low Income medium density not mixed population
KUMAR VILLAGE	3	2	4	Low Income medium density not mixed population
HOLLYWOOD	3	2	4	Low Income medium density not mixed population
POINT LIGOURE	3	2	4	Low Income medium density not mixed population
EGYPT VILLAGE	3	2	4	Low Income medium density not mixed population
NEWLANDS	3	2	4	Low Income medium density not mixed population
POINT FORTIN PROPER	3	2	4	Low Income medium density not mixed population
TECHIER VILLAGE	3	2	4	Low Income medium density not mixed population
LA BREA	3	2	4	Low Income medium density not mixed population
BAMBOO GROVE	2	2	4	Low Income medium density not mixed population
Pasea Extension	0	1	1	No Data
	0	1	1	No Data
Canaree	0	1	1	No Data
Hard Bargain	0	1	1	No Data
PENAL QUINAM BEACH ROA	0	1	1	No Data
ST. JOSEPH VILLAGE	3	2	1	Very low income high density mixed population
NAVET VILLAGE	3	2	1	Very low income high density mixed population
BELMONT	3	3	1	Very low income high density mixed population
GONZALES	3	3	1	Very low income high density mixed population
MON REPOS	3	3	1	Very low income high density mixed population
PARADISE	3	3	1	Very low income high density mixed population
EL SOCORRO	3	3	1	Very low income high density mixed population
BON AIR WEST DEVELOPME	3	3	1	Very low income high density mixed population

LENDORE VILLAGE	3	3	1	Very low income high density mixed population
EAST PORT OF SPAIN	3	3	4	Very low Income high density not mixed population
POWDER MAGAZINE	3	3	4	Very low Income high density not mixed population
WATER HOLE	3	3	4	Very low Income high density not mixed population
PICTON	3	3	4	Very low Income high density not mixed population
CARONI VILLAGE	3	3	4	Very low Income high density not mixed population
BONASSE VILLAGE	3	3	4	Very low Income high density not mixed population
LE PLATTE	3	1	1	Very low income low density mixed population
PARAMIN	3	1	1	Very low income low density mixed population
MARACAS	3	1	1	Very low income low density mixed population
LA CANOA	3	1	1	Very low income low density mixed population
SOCONUSCO	3	1	1	Very low income low density mixed population
MARACAS BAY	3	1	1	Very low income low density mixed population
ST. JOHNS VILLAGE	3	1	1	Very low income low density mixed population
LOPINOT VILLAGE	3	1	1	Very low income low density mixed population
ERIC WILLIAMS MEDICAL	3	1	1	Very low income low density mixed population
ARIMA HEIGHTS/TEMPLE V	3	1	1	Very low income low density mixed population
CARAPO	3	1	1	Very low income low density mixed population
HEIGHTS OF GUANAPO	3	1	1	Very low income low density mixed population
WALLERFIELD	3	1	1	Very low income low density mixed population
TUMPUNA ROAD	3	1	1	Very low income low density mixed population
BRASSO SECO VILLAGE	3	1	1	Very low income low density mixed population
LAS CUEVAS	3	1	1	Very low income low density mixed population
SAN RAPHAEL/BRAZIL	3	1	1	Very low income low density mixed population
MUNDO NUEVO	3	1	1	Very low income low density mixed population
TALPARO	3	1	1	Very low income low density mixed population
TAMANA ROAD	3	1	1	Very low income low density mixed population
JERNINGHAM JUNCTION	3	1	1	Very low income low density mixed population
BRASSO TAMANA	3	1	1	Very low income low density mixed population
FLANAGIN TOWN	3	1	1	Very low income low density mixed population
PEPPER VILLAGE	3	1	1	Very low income low density mixed population
TABAQUITE	3	1	1	Very low income low density mixed population
BUTLER VILLAGE	3	1	1	Very low income low density mixed population
MADRAS SETTLEMENT	3	1	1	Very low income low density mixed population
DIAMOND	3	1	1	Very low income low density mixed population
FRIENDSHIP	3	1	1	Very low income low density mixed population
MOUNT PLEASANT	3	1	1	Very low income low density mixed population
SPRING VILLAGE	3	1	1	Very low income low density mixed population
WARREN VILLAGE	3	1	1	Very low income low density mixed population
CHARUMA VILLAGE	3	1	1	Very low income low density mixed population
DEEP RAVINE/CLEAR WATE	3	1	1	Very low income low density mixed population
MAFEKING	3	1	1	Very low income low density mixed population
BROTHERS ROAD	3	1	1	Very low income low density mixed population
LIBERTVILLE	3	1	1	Very low income low density mixed population
ABYSINIA VILLAGE (OILF	3	1	1	Very low income low density mixed population

GRAND LAGOON	3	1	1	Very low income low density mixed population
LA SAVANNE	3	1	1	Very low income low density mixed population
MAYARO	3	1	1	Very low income low density mixed population
ORTOIRE	3	1	1	Very low income low density mixed population
RADIX	3	1	1	Very low income low density mixed population
MAINFIELD	3	1	1	Very low income low density mixed population
MAHOE	3	1	1	Very low income low density mixed population
MONTE VIDEO	3	1	1	Very low income low density mixed population
TOMPIRE	3	1	1	Very low income low density mixed population
CUMACA	3	1	1	Very low income low density mixed population
MELAJO	3	1	1	Very low income low density mixed population
MATURA	3	1	1	Very low income low density mixed population
RAMPANALGAS	3	1	1	Very low income low density mixed population
BROOKLYN SETTLEMENT	3	1	1	Very low income low density mixed population
CAIGUAL	3	1	1	Very low income low density mixed population
OROPOUCHE	3	1	1	Very low income low density mixed population
TURURE	3	1	1	Very low income low density mixed population
CORYAL	3	1	1	Very low income low density mixed population
CUMUTO	3	1	1	Very low income low density mixed population
FOUR ROADS - TAMANA	3	1	1	Very low income low density mixed population
MARAJ HILL	3	1	1	Very low income low density mixed population
HINDUSTAN	3	1	1	Very low income low density mixed population
ROBERT VILLAGE	3	1	1	Very low income low density mixed population
LA ROMAIN	3	1	1	Very low income low density mixed population
PALMYRA VILLAGE/MT. ST	3	1	1	Very low income low density mixed population
COROSAL	3	1	1	Very low income low density mixed population
PARFORCE	3	1	1	Very low income low density mixed population
WHITE LAND	3	1	1	Very low income low density mixed population
BASSE TERRE	3	1	1	Very low income low density mixed population
BON JEAN	3	1	1	Very low income low density mixed population
LA RUFFIN	3	1	1	Very low income low density mixed population
LA SAVANNE	3	1	1	Very low income low density mixed population
MARAC	3	1	1	Very low income low density mixed population
DYERS VILLAGE	3	1	1	Very low income low density mixed population
CHARLO VILLAGE	3	1	1	Very low income low density mixed population
HARRIS VILLAGE	3	1	1	Very low income low density mixed population
MORNE DIABLO	3	1	1	Very low income low density mixed population
OROPOUCHE	3	1	1	Very low income low density mixed population
PEPPER VILLAGE	3	1	1	Very low income low density mixed population
QUARRY VILLAGE	3	1	1	Very low income low density mixed population
ROBERT HILL/SIPARIA	3	1	1	Very low income low density mixed population
SIPARIA	3	1	1	Very low income low density mixed population
ST. MARYS VILLAGE	3	1	1	Very low income low density mixed population
SUDAMA VILLAGE	3	1	1	Very low income low density mixed population
BEACH CAMP	3	1	1	Very low income low density mixed population
CARAPAL	3	1	1	Very low income low density mixed population
ERIN/BUENOS AYRES	3	1	1	Very low income low density mixed population
ERIN PROPER	3	1	1	Very low income low density mixed population

JACOB VILLAGE	3	1	1	Very low income low density mixed population
LORENSOTTE	3	1	1	Very low income low density mixed population
LOS BAJOS	3	1	1	Very low income low density mixed population
LOS CHAROS	3	1	1	Very low income low density mixed population
LOS IROS/ERIN	3	1	1	Very low income low density mixed population
PALO SECO	3	1	1	Very low income low density mixed population
RANCHO QUEMADO	3	1	1	Very low income low density mixed population
SANTA FLORA	3	1	1	Very low income low density mixed population
WADDLE VILLAGE	3	1	1	Very low income low density mixed population
ARIPERO VILLAGE	3	1	1	Very low income low density mixed population
SOBO VILLAGE	3	1	1	Very low income low density mixed population
SALAZAR VILLAGE	3	1	1	Very low income low density mixed population
BAMBOO VILLAGE	3	1	1	Very low income low density mixed population
CHATHAM	3	1	1	Very low income low density mixed population
BLANCHISSEUSE VILLAGE	3	1	1	Very low income low density mixed population
CAP DE VILLE	3	1	1	Very low income low density mixed population
LONGDENVILLE	3	1	1	Very low income low density mixed population
BICHE	3	1	1	Very low income low density mixed population
SAN PEDRO	3	1	1	Very low income low density mixed population
ST.CROIX VILLAGE	3	1	1	Very low income low density mixed population
SYNE VILLAGE	3	1	1	Very low income low density mixed population
CLAXTON BAY	3	1	1	Very low income low density mixed population
CUNARIPO	3	1	1	Very low income low density mixed population
CUSHE/NAVET	3	1	1	Very low income low density mixed population
GUAICO	3	1	1	Very low income low density mixed population
INDIAN WALK	3	1	1	Very low income low density mixed population
INDIAN TRAIL	3	1	1	Very low income low density mixed population
KELLY VILLAGE	3	1	1	Very low income low density mixed population
MAMORAL NO.2	3	1	1	Very low income low density mixed population
MANZANILLA	3	1	1	Very low income low density mixed population
NEW GRANT	3	1	1	Very low income low density mixed population
RIO CLARO	3	1	1	Very low income low density mixed population
SANGRE CHIQUITO	3	1	1	Very low income low density mixed population
ST. MARYS VILLAGE	3	1	1	Very low income low density mixed population
TAMANA	3	1	1	Very low income low density mixed population
CAPARO	3	1	1	Very low income low density mixed population
LANSE MITAN'	3	1	4	Very low income low density not mixed population
OROPUNA VILLAGE/PIARCO	3	1	4	Very low income low density not mixed population
LA LAJA	3	1	4	Very low income low density not mixed population
MUNROE SETTLEMENT	3	1	4	Very low income low density not mixed population
FELICITY	3	1	4	Very low income low density not mixed population
ENDEAVOUR VILLAGE	3	1	4	Very low income low density not mixed population
CHARLIEVILLE	3	1	4	Very low income low density not mixed population
BRASSO CAPARO VILLAGE	3	1	4	Very low income low density not mixed population
CALCUTTA ROAD NO.2	3	1	4	Very low income low density not mixed population
CHICKLAND	3	1	4	Very low income low density not mixed population
GRAN COUVA	3	1	4	Very low income low density not mixed population
PREYSAL	3	1	4	Very low income low density not mixed population

SPRING VILLAGE	3	1	4	Very low income low density not mixed population
ARENA	3	1	4	Very low income low density not mixed population
BRICKFIELD	3	1	4	Very low income low density not mixed population
CARLSEN FIELD	3	1	4	Very low income low density not mixed population
CHANDERNAGORE	3	1	4	Very low income low density not mixed population
PALMISTE	3	1	4	Very low income low density not mixed population
TODDS ROAD	3	1	4	Very low income low density not mixed population
WELCOME	3	1	4	Very low income low density not mixed population
CHIN CHIN	3	1	4	Very low income low density not mixed population
FREDERICK SETTLEMENT	3	1	4	Very low income low density not mixed population
LAS LOMAS (NOS. 1 & 2)	3	1	4	Very low income low density not mixed population
NANCOO VILLAGE	3	1	4	Very low income low density not mixed population
BASTA HALL	3	1	4	Very low income low density not mixed population
BUCARRO	3	1	4	Very low income low density not mixed population
COUVA CENTRAL	3	1	4	Very low income low density not mixed population
ESPERANZA	3	1	4	Very low income low density not mixed population
FELICITY HALL	3	1	4	Very low income low density not mixed population
Mc BEAN	3	1	4	Very low income low density not mixed population
ORANGE VALLEY	3	1	4	Very low income low density not mixed population
OUPLAY VILLAGE	3	1	4	Very low income low density not mixed population
PHOENIX PARK	3	1	4	Very low income low density not mixed population
AGOSTINI VILLAGE	3	1	4	Very low income low density not mixed population
ECCLESVILLE	3	1	4	Very low income low density not mixed population
UNION VILLAGE	3	1	4	Very low income low density not mixed population
BRICKFIELD/NAVET	3	1	4	Very low income low density not mixed population
CANQUE	3	1	4	Very low income low density not mixed population
FONROSE VILLAGE	3	1	4	Very low income low density not mixed population
POOLE	3	1	4	Very low income low density not mixed population
ANGLAIS SETTLEMENT	3	1	4	Very low income low density not mixed population
CUMANA	3	1	4	Very low income low density not mixed population
GRAND RIVIERE	3	1	4	Very low income low density not mixed population
LANSE NOIR'	3	1	4	Very low income low density not mixed population
MATELOT	3	1	4	Very low income low density not mixed population
MISSION	3	1	4	Very low income low density not mixed population
SAN SOUCI	3	1	4	Very low income low density not mixed population
TOCO	3	1	4	Very low income low density not mixed population
MORIN BAY	3	1	4	Very low income low density not mixed population
NORTH MANZANILLA	3	1	4	Very low income low density not mixed population
CARMICHAEL	3	1	4	Very low income low density not mixed population
GUATOPAJARO	3	1	4	Very low income low density not mixed population
HOWSEN VILLAGE	3	1	4	Very low income low density not mixed population
COALMINE	3	1	4	Very low income low density not mixed population
PLUM MITAN	3	1	4	Very low income low density not mixed population
GEORGE VILLAGE	3	1	4	Very low income low density not mixed population
CEDAR HILL	3	1	4	Very low income low density not mixed population
CLEGHORN AND MT. PLEAS	3	1	4	Very low income low density not mixed population
DEBE PROPER	3	1	4	Very low income low density not mixed population
DIAMOND	3	1	4	Very low income low density not mixed population

HERMITAGE VILLAGE	3	1	4	Very low income low density not mixed population
JORDAN VILLAGE	3	1	4	Very low income low density not mixed population
LA FORTUNE	3	1	4	Very low income low density not mixed population
LENGUA VILLAGE	3	1	4	Very low income low density not mixed population
MONKEY TOWN	3	1	4	Very low income low density not mixed population
PETIT MORNE	3	1	4	Very low income low density not mixed population
USINE STE. MADELEINE	3	1	4	Very low income low density not mixed population
WELLINGTON	3	1	4	Very low income low density not mixed population
BONNE AVENTURE	3	1	4	Very low income low density not mixed population
CARATAL	3	1	4	Very low income low density not mixed population
CEDAR HILL	3	1	4	Very low income low density not mixed population
FARNUM VILLAGE	3	1	4	Very low income low density not mixed population
FORRES PARK	3	1	4	Very low income low density not mixed population
HERMITAGE	3	1	4	Very low income low density not mixed population
MACAULAY	3	1	4	Very low income low density not mixed population
MAYO	3	1	4	Very low income low density not mixed population
BEN LOMOND	3	1	4	Very low income low density not mixed population
BROOMAGE	3	1	4	Very low income low density not mixed population
BROTHERS SETTLEMENT	3	1	4	Very low income low density not mixed population
BUEN INTENTO	3	1	4	Very low income low density not mixed population
CORYAL VILLAGE	3	1	4	Very low income low density not mixed population
LENGUA VILLAGE/BARRACK	3	1	4	Very low income low density not mixed population
MATILDA	3	1	4	Very low income low density not mixed population
REFORM VILLAGE	3	1	4	Very low income low density not mixed population
SISTERS VILLAGE	3	1	4	Very low income low density not mixed population
ST. JULIEN	3	1	4	Very low income low density not mixed population
NEW VILLAGE	3	1	4	Very low income low density not mixed population
AVOCAT VILLAGE	3	1	4	Very low income low density not mixed population
BATCHYIA VILLAGE	3	1	4	Very low income low density not mixed population
GHEERAHOO	3	1	4	Very low income low density not mixed population
LA FORTUNE/PLUCK	3	1	4	Very low income low density not mixed population
MENDEZ VILLAGE	3	1	4	Very low income low density not mixed population
MON DESIR	3	1	4	Very low income low density not mixed population
PENAL	3	1	4	Very low income low density not mixed population
PENAL ROCK ROAD	3	1	4	Very low income low density not mixed population
ROCHARD ROAD	3	1	4	Very low income low density not mixed population
SCOTT ROAD VILLAGE	3	1	4	Very low income low density not mixed population
ST. JOHN	3	1	4	Very low income low density not mixed population
THICK VILLAGE	3	1	4	Very low income low density not mixed population
BENNET VILLAGE	3	1	4	Very low income low density not mixed population
MON DESIR/SILVER STREA	3	1	4	Very low income low density not mixed population
GUAPO LOT 10	3	1	4	Very low income low density not mixed population
PARRY LANDS SOUTH	3	1	4	Very low income low density not mixed population
ROUSILLAC	3	1	4	Very low income low density not mixed population
BOIS BOUGH	3	1	4	Very low income low density not mixed population
CEDROS	3	1	4	Very low income low density not mixed population
COROMANDEL	3	1	4	Very low income low density not mixed population
FULLERTON	3	1	4	Very low income low density not mixed population

GRANVILLE	3	1	4	Very low income low density not mixed population
ICACOS	3	1	4	Very low income low density not mixed population
BARRACKPORE	3	1	4	Very low income low density not mixed population
BORDE NARVE	3	1	4	Very low income low density not mixed population
BEJUCAL	3	1	4	Very low income low density not mixed population
COCHRANE	3	1	4	Very low income low density not mixed population
CUNUPIA	3	1	4	Very low income low density not mixed population
ECCLES VILLAGE	3	1	4	Very low income low density not mixed population
GOLCONDA	3	1	4	Very low income low density not mixed population
GONZALES	3	1	4	Very low income low density not mixed population
PIPARO	3	1	4	Very low income low density not mixed population
SAN FRANCIQUE	3	1	4	Very low income low density not mixed population
ST JOHNS VILLAGE	3	1	4	Very low income low density not mixed population
TULSA VILLAGE	3	1	4	Very low income low density not mixed population
CARAPICHAIMA	3	1	4	Very low income low density not mixed population
FREEPORT	3	1	4	Very low income low density not mixed population
GUAYAGUAYARE	3	1	4	Very low income low density not mixed population
IERE VILLAGE	3	1	4	Very low income low density not mixed population
ST. HELENA VILLAGE	3	1	4	Very low income low density not mixed population
VICTORIA VILLAGE	3	2	1	Very low income medium density mixed population
ARIMA PROPER	3	2	1	Very low income medium density mixed population
OMEARA ROAD'	3	2	1	Very low income medium density mixed population
MALABAR	3	2	1	Very low income medium density mixed population
TUMPUNA ROAD	3	2	1	Very low income medium density mixed population
CALVARY HILL	3	2	1	Very low income medium density mixed population
GREEN HILL VILLAGE	3	2	1	Very low income medium density mixed population
PETIT BOURG	3	2	1	Very low income medium density mixed population
TUNAPUNA	3	2	1	Very low income medium density mixed population
PINTO ROAD	3	2	1	Very low income medium density mixed population
LA HORQUETTA	3	2	1	Very low income medium density mixed population
ENTERPRISE	3	2	1	Very low income medium density mixed population
MONTROSE VILLAGE	3	2	1	Very low income medium density mixed population
COAL MINE	3	2	1	Very low income medium density mixed population
AGOSTINI VILLAGE	3	2	1	Very low income medium density mixed population
CHASE VILLAGE	3	2	1	Very low income medium density mixed population
BALMAIN	3	2	1	Very low income medium density mixed population
ST. ANDREWS VILLAGE	3	2	1	Very low income medium density mixed population
PLAISANCE	3	2	1	Very low income medium density mixed

				population
GASPARILLO	3	2	1	Very low income medium density mixed population
ST. MARGARET	3	2	1	Very low income medium density mixed population
DELHI SETTLEMENT	3	2	1	Very low income medium density mixed population
FYZABAD	3	2	1	Very low income medium density mixed population
CHAMP FLEURS	3	2	1	Very low income medium density mixed population
MATURITA	3	2	1	Very low income medium density mixed population
SANGRE GRANDE	3	2	1	Very low income medium density mixed population

Table 9. Community classifications

Appendix 2
Detailed Strategy and Implementation Plan for Conducting Survey to Determine the Digital Divide in Trinidad & Tobago

Introduction

The primary task of this study is to collect data which will allow for

- The calculation, at the level of identifiable geographical areas and the country as a whole, of the Digital Access Index (DAI) and the Digital Opportunity Index (DOI);
- Explaining the different quality of service that may be available across the various geographical areas.

Of particular interest are those areas within Trinidad and Tobago that are under-served in terms of access to information and communication technologies (ICTs). In the resulting analysis, reasons will be put forward as to why these areas are under-served, as a first step toward identifying and administering projects that may enable the reduction of the digital divide.

Data Collection

The data required will be obtained from three distinct sources:

1. ICT service providers;
2. Material published on ICT services in Trinidad & Tobago (in the form of articles, reports, data or other format);
3. Households (consumers of ICT services) inhabiting the geographical areas.

Data to be collected from the major *ICT service providers* will be made up largely of the data on some of the indicators making up the DAI and the DOI[3] through the administration of very simple target specific questionnaires. In all, three questionnaires will be administered, one each for the providers of each of the following ICT services:

- Fixed telephone line services;

[3] There are 16 distinct indicators in all.

- Mobile telephone line services;
- Internet services.

In addition to providing data that go into the calculation of the two indices, the ICT service providers will be asked to assist in locating minor providers of ICT services, such as Internet Cafes and International Calling Centres. Questions will also be asked about the marketing of the services and if, in particular, some geographical areas are targeted more than others. All the major providers will be asked to take part in this exercise including TSTT, Digicel, and Internet Service Providers.

*Published material*s are of at least three types:

4. Documents published by state and private sector agencies, such as the Central Statistical Office, Ministry of Planning and Development, and the Telecommunications Authority of Trinidad & Tobago, which will provide information about the importance and prevalence of ICT infrastructure nationwide and may even provide data at the community or household level. These may be used to complement, and as a check on, data gathered from the surveys.
5. Previous studies done on the Digital Divide and related areas in Trinidad and Tobago;
6. Previous studies done on the Digital Divide and related areas in countries other than Trinidad and Tobago, especially (but not limited to) those done on countries at a comparable stage of development.

Data from *households* will be of two kinds:

- Data on the indicators making up the DAI and the DOI;
- Socio-economic, demographic and other relevant data.

The data will be obtained through administering a questionnaire to a sample of 5,000 households drawn from across Trinidad and Tobago. A multi-stage sampling design will be used to obtain this sample. The various geographical areas to be identified will be categorized into relatively homogenous groups using mainly one criterion: the median income of inhabitants. Computer simulations will be run using the GIS data to determine

appropriate income bands. However, other criteria will be employed and similar computer simulations carried out to determine appropriate groupings. Such criteria will include area of residence (rural/urban), dominant ethnic group (African/Indian/Mixed/Other) and level of education. Samples of households will be proportionate to the size of the population, but this will depend on how the geographical areas are determined. Up to three persons from each household may be interviewed, provided that each respondent differs on the basis of sex and age.

In addition to data required for the construction of the DAI and DOI, data collected in the household survey will cover a broad range of user attributes including age, sex, ethnicity, and income levels. Up to three questionnaires per household will be administered to adults as well as to young people, even those still attending school. The questionnaires will also seek information on the use of ICT services at home, at school, at work and at other locations including hot spots, mobile and other libraries, International Calling Centres and Internet Cafés.

There will inevitably be some overlap between the questions asked to the households and the providers, especially those relating to the indicators making up the DAI and the DOI. Where this happens, the possible different responses may be used to complement each other.

Selection and Training of Enumerators

With the help of the TATT, we do not anticipate great resistance from the Service Providers. The Questionnaires will be designed so that they can be filled out by a middle-management staff member, probably with some interface with a Team Member, including a telephone interface.

Conduct of the survey of households, on the other hand, even with the assistance of the TATT, will pose some problems. To minimize these anticipated difficulties, the enumerators chosen will be properly selected and trained to carry out interviews with household members, and will be supervised on the field by an experienced Supervisor. The SALISES has an experienced team of enumerators and supervisors at its disposal and will use this. Those selected for the exercise will be required to attend training sessions over one or two days and will be taken through their paces using a training manual which

will explain in detail the questionnaire and the procedures to be followed in conducting the interviews. The questionnaire will be pre-tested in a pilot survey immediately following the training sessions and modifications made as required for the conduct of the final survey.

On the field, enumerators will have access at all times to the Supervisors who, in turn, will have access to Team Members.

Data will be captured using CSPro, a program developed and used by the US Bureau of the Census and with which the SALISES Team Members have considerable experience.

Determining the Geographical Partition of Trinidad & Tobago

The data sets identified in Table 1 below will be collected and input into a GIS environment to create a spatial database. The data sets will be obtained, as shown, from government and other agencies, or compiled by the project team using existing hardcopy maps and fieldwork where appropriate.

Table 1: Spatial Data Sets to be Acquired

Item	Data	Likely Sources
1.	Socio-economic data	Central Statistical Office (digital format)
2	Location of Cell Towers, Cable service, Telephone lines	TSTT, Columbus Cable Network, Digicel, TATT
3.	Location of City, Towns, Villages, Squatter settlements	Lands and Surveys Division (digital format)
4	Elevation Data	Lands and Surveys, UWI
5.	Location of Internet Cafes, Public Libraries, and other access points for ICT services	Service Providers, TATT or collected from fieldwork

Spatial criteria for determining likely access to ICT will be developed based on affordability and availability and will be used to delineate geographical areas. Income levels, availability of ICT both at home and in the community, and levels of wireless coverage will be used in determining affordability and availability criteria. A spatial

model using these criteria will be programmed and executed in GIS to define geographical areas of different levels of access to ICT.

Database development will involve the inputting and processing of the paper maps and the digital data from all sources to create GIS ready themes. The spatial database of the defined geographical areas will be delivered as shape files (ESRI) that may be used in ArcGIS 9.x or in ArcView 3.2.

Conduct of the Survey

The survey of service providers will be done before that of households, and the questionnaire may even be altered to take into account views and facts provided by the providers.

Conclusion

Properly defining the geographical regions, using existing data based largely on the 2000 Census of the population, is a key ingredient to the success of this exercise. We expect that the design of the implementation strategy will be an ongoing exercise, with feedback going to and from the defining of the boundaries of the geographical districts. What we have written is as much a guide to action as it is a final plan of attack, which could only be worked out fully when we are on the field.

Appendix 3

SURVEY OF HOUSEHOLDS TO MEASURE THE DIGITAL DIVIDE IN TRINIDAD & TOBAGO

Field Survey Questionnaire

No: ……..

The Sir Arthur Lewis Institute of Social and Economic Studies of the University of the West Indies, in collaboration with the Telecommunications Authority of Trinidad & Tobago, is conducting a survey to measure the 'Digital Divide' in Trinidad & Tobago on a national level and for pre-defined geographical areas. The Digital Divide measures the extent to which citizens of a country, like yourself, benefit from, or are deprived of, access to modern telecommunications technology like computers and cellular phones. Knowledge of the Digital Divide will allow the relevant authorities to take appropriate measures to correct for imbalances within regions of Trinidad & Tobago that are now relatively deprived. This will be to everybody's benefit.

You have been chosen to be a part of this exercise and we are asking your cooperation in filling out this questionnaire. It will take about 20-25 minutes to complete.

Please take the time to help us fill out this questionnaire as accurately as possible. All information you provide will be treated in the strictest confidence, and we guarantee your anonymity.

We do sincerely appreciate your help in conducting this survey.

FOR OFFICIAL USE ONLY

Name of Person conducting survey (Block Capitals):	……
Date completed: …….	Signature: ……
Checked by Supervisor:	……..
Checked by SALISES Staff:	……

A. GENERAL INFORMATION

A1. Street _____

A2.Village/Town/City_____

A3. How many persons make up your household? _____

A4. Do you have access to two or more FM radio stations in your area?

1. Yes ☐ **Name two:** _____
2. No ☐
3. Don't know ☐

A5. Which of the following local TV networks do you have access to in your area, independently of a Cable Network?

1. **TV6** ☐
2. **Gayelle** ☐
3. **ACTN** ☐
4. **NCC** ☐
5. **CNMG** ☐
6. **WINTV** ☐
7. **None** ☐
8. **Don't know** ☐

A6. Other information (optional)

_____

_____

_____

B. TELEPHONE INFORMATION

B1. Does this household have a land-line (fixed line) telephone?

4. Yes ☐ **How many?** ____

5. No ☐ **Why not?**

1.	Costs are too high	☐
2.	No land-lines available in area	☐
3.	Do not want one	☐
4.	Other (Specify) _____	☐

_____

B2. Do you have a cellular (mobile) phone?

1. Yes ☐ **How many phones?** Digicel ____ bmobile ____ Other ___

2. No ☐ **Why not?**

1.	Costs are too high	☐
2.	Poor coverage in area	☐
3.	Do not want one	☐
4.	Other (Specify) _____	☐

_____

If this household has one member only, skip to Section C.

B3. Do other members of this household have cellular phones?

1. Yes ☐ **How many phones?** Digicel ____ bmobile ____ Other ___

2. No ☐ **Why not?**

1.	Costs are too high	☐
2.	No coverage available in area	☐
3.	Do not want one	☐
4.	Don't know	☐
5.	Other (Specify) _____	☐

_____

C. INTERNET INFORMATION

C1. Does this household have a functioning personal computer (PC) or laptop at home?

1. Yes ☐ **How many?** _____

2. No ☐ **Why not?**
   1. Costs too much ☐
   2. Unreliable electrical supply in area ☐
   3. Do not want one ☐
   4. Other (Specify) _____ ☐

If the answer to C1 is 'No', skip to C3.

C2. Does this household have Internet Access at home using a PC/Laptop?

1. Yes ☐ **What type of service(s)?**

Check all applicable services.

1. Dial up ☐
2. Broadband (DSN/DSL) ☐
3. Broadband (satellite) ☐
4. Cable ☐
5. Wireless ☐
6. Don't Know ☐
7. Other (*Please Specify*) _____ ☐

2. No ☐ **Why not?**

Check all applicable reasons.

1. Costs are too high ☐
2. Lack of confidence or skills in using Internet ☐
3. Privacy concerns ☐
4. Security concerns ☐
5. Concern that children will access inappropriate sites ☐
6. Have access to Internet elsewhere ☐
7. Lack of time to use the Internet ☐
8. Language barriers ☐
9. Not interested ☐
10. Other (*Please Specify*) _____ ☐

C3. Does this household have Internet Access at home using a device other than a PC/Laptop?

1. Yes ☐ **What type of device?**

Check all applicable devices.

1. Cellular Phone ☐
2. IPOD ☐
3. Don't Know ☐
4. Other (*Please Specify*) _____ ☐

2. No ☐ **Why not?**

Check all applicable reasons

1. Costs are too high ☐
2. Lack of confidence or skills in using Internet ☐
3. Privacy concerns ☐
4. Security concerns ☐
5. Concern that children will access inappropriate sites ☐
6. Have access to Internet elsewhere ☐
7. Lack of time to use the Internet ☐
8. Language barriers ☐
9. Not interested ☐
10. Other (*Please Specify*) _____ ☐

If the household has no Internet access from home, <u>skip to C6</u>.

C4. Do you access the Internet at home?

1. Yes ☐ **How many hours per week?** _____

2. No ☐ **Why not?** _____

C5. Do you or other household members share Internet access at home with neighbours and/or friends?

1. Yes ☐ **With how many neighbours and/or friends? _____**

2. No ☐ **Why not?**

_____

_____

C6. Do you use the Internet at locations other than at home?

1. Yes ☐ **How many hours per week? _____ Where?**

Check all applicable locations.

1.Work	☐
2.Internet Café	☐
3.School	☐
4.At a friend's house	☐
5.Other (Specify) _____	☐

2. No ☐ **Why not? _____**

_____

If the respondent does not use the Internet, skip to Question C8 unless this household has one member only, in which case skip directly to SECTION D.

C7. What do you use the Internet for?

Check all applicable reasons.

1. E- mail ☐
2. Chat sites, bulletin boards ☐
3. Internet phone. ☐
4. Entertainment – (music, games, radio, video). ☐
5. Searching for information - Education ☐
6. Searching for information - medical/health ☐
7. Searching for information – employment ☐
8. Searching for information – Travel ☐
9. Buying goods & services ☐
10. Government dealings (tax, forms, etc.) ☐
11. Other (Specify) _____ ☐

If this household has one member only, skip directly to SECTION D.

C8. Do other members of the household use the Internet?

1. Yes ☐ **How Many? ____. How many hours per week? _____ Where?**

Check all applicable locations.

1. Home ☐
2. Work ☐
3. Internet Café ☐
4. School ☐
5. At a friend's house ☐
6. Other (Specify) _____ ☐

2. No ☐ **Why not? _____**

_____

If the other household members do not use the Internet, skip directly to SECTION D

C9. What do other household members use the Internet for?

Check all applicable services.

1. E- mail ☐
2. Chat sites, bulletin boards ☐
3. Internet phone. ☐
4. Entertainment – (music, games, radio, video). ☐
5. Searching for information -. Education ☐
6. Searching for information - medical/health ☐
7. Searching for information – employment ☐
8. Searching for information – Travel ☐
9. Buying goods & services ☐
10. Government dealings (tax, forms, etc.) ☐
11. Don't know ☐
12. Other (Specify) _____ ☐

D. DEMOGRAPHIC INFORMATION

D1. How old is the Head of this Household?

1. Under 20 ☐
2. 20-29 ☐
3. 30-39 ☐
4. 40-49 ☐
5. 50-59 ☐
6. 60-69 ☐
7. Over 70 ☐

D2. What is the highest level of education of the Head of this Household?

1. Primary school ☐
2. Secondary ☐
3. Tertiary- Certificate, John Donaldson etc ☐
4. University degree ☐
5. Post-grad (MSc, Mphil etc) ☐
6. Other (Specify) _____ ☐

D3. What is the employment status the Head of this Household?

1. Full-time ☐
2. Part-time ☐
3. Self-employed ☐
4. Unemployed ☐
5. Not seeking work ☐
6. Other (Specify) _____ ☐

D4. What gender is the Head of this Household?

1. Male ☐
2. Female ☐

D5. What is the race\ethnicity of the Head of this Household?

1. African/Black ☐
2. East Indian ☐
3. Mixed ☐
4. Chinese ☐
5. Portuguese/French ☐
6. Caucasian ☐
7. Other ☐

D6. How many household members, excluding the Head, are:-

1. Under 20 ____
2. 20-29 ____
3. 30-39 ____
4. 40-49 ____
5. 50-59 ____
6. 60-69 ____
7. 70 and Over ____

D7. What is the <u>ESTIMATED</u> gross household income per month?

1. 0 – $4,999 ☐
2. $5,000 – $9,999 ☐
3. $10,000 - $14,999 ☐
4. $15,000 – $19,999 ☐
5. $20,000 - $24,999 ☐
6. Over $25,000 ☐
7. Do not wish to state ☐

End of Survey
Thank you

Appendix 4
Questionnaires relating to Service Providers and Specialized public Agencies

Land Line Providers
Mobile Providers
Internet Providers
Cable TV Service Providers
Ministry of Community Development
National Library and Information Services

Questions to be answered by Land Line Providers

1. Where in Trinidad and Tobago are your land lines distributed? (A digital map would be extremely useful).

2. Distinguish land lines in terms of copper, fibre, leased lines, and any other classes where possible.

3. How many land line phone subscribers do you have in Trinidad and Tobago? Please distinguish amongst voice, Internet and other data lines as well as residential, business and pay phones.

4. How are these subscribers distributed in Trinidad and Tobago? Can you break these numbers into communities, villages, towns, cities or other administrative units? Is this available in map and spreadsheet form?

5. What are the monthly charges associated with the subscription of a land line? Existing package deals should also be described including Smart Choice packages.

6. What is the geographic distribution of land line subscribers in Trinidad and Tobago? Can you break these numbers into communities, villages, towns, cities or other administrative units? If yes, can you provide this information in a spreadsheet?

7. Are you planning to increase the number of land lines? Where?

8. What are the criteria for a subscriber to qualify for (i) phone and (ii) Internet services?

Questions to be answered by Mobile Providers

1. How many mobile phone subscribers do you have in Trinidad and Tobago? Please distinguish between voice and data SIMs subscribers. In addition, if possible distinguish between active SIMs and overall subscribers.

2. What are the charges for the service? List the sale packages and the charges associated with each of these packages –both prepaid and postpaid. These packages should reflect the outside of the sales promotions periods.

3. How are these subscribers distributed in Trinidad and Tobago? Can you break these numbers into communities, villages, towns, cities or other administrative units? Is this available in a spreadsheet form?

4. How many subscribers do you have with active SIMS used for data/mobile Internet service

5. What is the bandwidth of this service?

6. What are the monthly charges associated with this service?

7. What other ICT services are available or possible through your cellular network?

8. How many cell towers do you utilize and what are their capacities? Where are they located – location within 100 meters of position would be extremely useful. A Digital Map of these locations would be ideal.

9. What is the coverage ranges of these towers in terms of distance? Are you planning to locate additional towers? Where? If this information is too sensitive to provide a map showing coverage (JPEG or TIFF) would suffice.

10. What external physical factors affect the ranges of these towers?

11. What are the criteria for a subscriber to qualify for (i) Mobile phone and (ii) Internet services?

Questions to be answered by Internet Providers

1. How many subscribers do you have for Internet services?

2. How many subscribers have DSL, Dial-up or dedicated lines?

3. What are the bandwidths for DSL, Dial-up and Dedicated lines?

4. What are the monthly charges associated with each of these three services? Are there differential prices for private users, student users and other users?

5. How many Non-Governmental Organizations, Faith-based Organizations, and Community Based Organizations subscribe to Internet service that you provide? Where are they located? Are there any special rates for these organizations?

6. How many schools and Tertiary Level Institutions subscribe to Internet service that you provide? Where are they located?

7. How are all of these subscribers distributed? Please specify in terms of geographic location by communities/ towns, villages, cities/ other geographic areas.

8. What are the criteria for a subscriber to qualify for Internet services?

9. How many of your subscribers are Internet Cafes? Where are they located? Can you categorize them in terms of size?

10. How many of your subscribers are businesses. Where are they located? Can you categorize them in terms of size?

Questions to be answered by Cable TV Service Providers

1. How many subscribers do you have for Cable TV services?

2. What are the monthly charges associated with this service?

3. Are there differential prices for private home users and other users?

4. How are these subscribers distributed? Please specify in terms of geographic location by communities/ towns, villages, cities/ other geographic areas.

5. What are the criteria for a subscriber to qualify for the Cable TV services?

Questions to be answered by National Library and Information Services

1. Where are library facilities available in Trinidad and Tobago?
2. Which of these provide information and communication technology facilities?
3. What is the capacity of each of these facilities in terms of number of computers?
4. In which of these facilities are Internet services available?
5. How many persons access these facilities?
6. What type of Internet services are provided? Dial-up, DSL
7. What is the cost of this service?
8. Is training provided to those who are not computer literate?
9. What other ICT services are available through NALIS and where?

Questions to be answered by Ministry of Community Development

1. Where are the community facilities located in Trinidad and Tobago?
2. In which of these are computer facilities available?
3. In which of these are Internet services available?
4. How many persons access these facilities?
5. What type of Internet services are provided? Dial-up, DSL
6. What is the cost of this service?
7. Is training provided to those who are not computer literate?

Appendix 5
Digital Opportunity Index (with category indices)

Community	DOI_ALT	DOI	Opportunity	Infrastructure	Utilization	Utilization
ST. MARYS VILLAGE	**0.3837**	**0.4831**	0.6484	0.3975	0.1051	0.4034
MAINFIELD	**0.3933**	**0.4928**	0.6775	0.3975	0.1051	0.4034
CARAPAL	**0.4567**	**0.5561**	0.8676	0.3975	0.1051	0.4034
CHARUMA VILLAGE	**0.4591**	**0.5586**	0.8748	0.3975	0.1051	0.4034
FELICITY HALL	**0.4595**	**0.5589**	0.8759	0.3975	0.1051	0.4034
BROOKLYN SETTLEMENT	**0.4597**	**0.5591**	0.8764	0.3975	0.1051	0.4034
LANSE FORMI	**0.4606**	**0.5601**	0.8793	0.3975	0.1051	0.4034
BICHE	**0.4621**	**0.5615**	0.8836	0.3975	0.1051	0.4034
MONTE VIDEO	**0.4626**	**0.5621**	0.8853	0.3975	0.1051	0.4034
CUMACA	**0.4639**	**0.5634**	0.8892	0.3975	0.1051	0.4034
BALANDRA	**0.4640**	**0.5634**	0.8893	0.3975	0.1051	0.4034
GOLDEN LANE	**0.4640**	**0.5634**	0.8895	0.3975	0.1051	0.4034
SAN SOUCI	**0.4641**	**0.5635**	0.8897	0.3975	0.1051	0.4034
TOMPIRE	**0.4643**	**0.5637**	0.8903	0.3975	0.1051	0.4034
MARAC	**0.4643**	**0.5638**	0.8904	0.3975	0.1051	0.4034
RAMPANALGAS	**0.4645**	**0.5640**	0.8911	0.3975	0.1051	0.4034
ROBERT HILL/SIPARIA	**0.4647**	**0.5641**	0.8914	0.3975	0.1051	0.4034
FULLERTON	**0.4659**	**0.5653**	0.8952	0.3975	0.1051	0.4034
CUSHE/NAVET	**0.4661**	**0.5656**	0.8958	0.3975	0.1051	0.4034
TABLELAND	**0.4664**	**0.5658**	0.8967	0.3975	0.1051	0.4034
NORTH POST	**0.4665**	**0.5660**	0.8971	0.3975	0.1051	0.4034
CORYAL	**0.4674**	**0.5669**	0.8998	0.3975	0.1051	0.4034
MOUNT PLEASANT	**0.4679**	**0.5674**	0.9013	0.3975	0.1051	0.4034
BICHE	**0.4682**	**0.5676**	0.9020	0.3975	0.1051	0.4034
MATELOT	**0.4684**	**0.5678**	0.9026	0.3975	0.1051	0.4034
MORIN BAY	**0.4692**	**0.5686**	0.9050	0.3975	0.1051	0.4034
BASSE TERRE	**0.4693**	**0.5687**	0.9052	0.3975	0.1051	0.4034
LA LUNE	**0.4698**	**0.5693**	0.9069	0.3975	0.1051	0.4034
LA LAJA	**0.4700**	**0.5694**	0.9074	0.3975	0.1051	0.4034
BLOODY BAY	**0.4701**	**0.5695**	0.9076	0.3975	0.1051	0.4034
ANGLAIS SETTLEMENT	**0.4703**	**0.5697**	0.9082	0.3975	0.1051	0.4034
ROXBOROUGH	**0.4707**	**0.5701**	0.9094	0.3975	0.1051	0.4034
PETIT CAFE'	**0.4710**	**0.5704**	0.9103	0.3975	0.1051	0.4034
ST. JOHNS VILLAGE	**0.4711**	**0.5706**	0.9109	0.3975	0.1051	0.4034
ZION HILL	**0.4712**	**0.5706**	0.9110	0.3975	0.1051	0.4034
PLUM MITAN	**0.4712**	**0.5707**	0.9112	0.3975	0.1051	0.4034
BRASSO SECO VILLAGE	**0.4713**	**0.5707**	0.9113	0.3975	0.1051	0.4034
GRAND RIVIERE	**0.4717**	**0.5711**	0.9124	0.3975	0.1051	0.4034
LOS CHAROS	**0.4717**	**0.5712**	0.9126	0.3975	0.1051	0.4034
DELAFORD	**0.4718**	**0.5712**	0.9127	0.3975	0.1051	0.4034
LOS IROS/ERIN	**0.4718**	**0.5712**	0.9128	0.3975	0.1051	0.4034
CUMANA	**0.4718**	**0.5713**	0.9130	0.3975	0.1051	0.4034
AGOSTINI VILLAGE	**0.4722**	**0.5717**	0.9141	0.3975	0.1051	0.4034
MATURA	**0.4722**	**0.5717**	0.9141	0.3975	0.1051	0.4034
ICACOS	**0.4723**	**0.5717**	0.9142	0.3975	0.1051	0.4034

Community	DOI_ALT	DOI	Opportunity	Infrastructure	Utilization	Utilization
DEEP RAVINE/CLEAR WATER	**0.4724**	**0.5718**	0.9147	0.3975	0.1051	0.4034
LE PLATTE	**0.4725**	**0.5719**	0.9148	0.3975	0.1051	0.4034
CANQUE	**0.4728**	**0.5722**	0.9159	0.3975	0.1051	0.4034
MARYS HILL	**0.4728**	**0.5723**	0.9160	0.3975	0.1051	0.4034
ORTOIRE	**0.4731**	**0.5726**	0.9169	0.3975	0.1051	0.4034
PEPPER VILLAGE	**0.4732**	**0.5726**	0.9170	0.3975	0.1051	0.4034
KINGS BAY	**0.4732**	**0.5726**	0.9170	0.3975	0.1051	0.4034
SALYBIA VILLAGE	**0.4732**	**0.5726**	0.9171	0.3975	0.1051	0.4034
MOUNT ST. BENEDICT	**0.4733**	**0.5727**	0.9173	0.3975	0.1051	0.4034
GUARACARA	**0.4733**	**0.5728**	0.9175	0.3975	0.1051	0.4034
PEYTONVILLE	**0.4734**	**0.5728**	0.9176	0.3975	0.1051	0.4034
LA SAVANNE	**0.4734**	**0.5728**	0.9176	0.3975	0.1051	0.4034
TAMANA	**0.4734**	**0.5729**	0.9178	0.3975	0.1051	0.4034
SURREY VILLAGE	**0.4735**	**0.5729**	0.9178	0.3975	0.1051	0.4034
LA SAVANNE	**0.4735**	**0.5729**	0.9179	0.3975	0.1051	0.4034
PATNA VILLAGE	**0.4737**	**0.5731**	0.9184	0.3975	0.1051	0.4034
DELAFORD LOUIS	**0.4737**	**0.5731**	0.9185	0.3975	0.1051	0.4034
DOR LAND SETT COCAL	**0.4738**	**0.5733**	0.9189	0.3975	0.1051	0.4034
ESTATE/MAYARO MUNDO NUEVO	**0.4739**	**0.5733**	0.9191	0.3975	0.1051	0.4034
SAN PEDRO	**0.4739**	**0.5734**	0.9192	0.3975	0.1051	0.4034
BIG YARD	**0.4740**	**0.5734**	0.9193	0.3975	0.1051	0.4034
MARAJ HILL	**0.4740**	**0.5734**	0.9193	0.3975	0.1051	0.4034
DYERS VILLAGE	**0.4741**	**0.5735**	0.9197	0.3975	0.1051	0.4034
BAMBOO VILLAGE	**0.4741**	**0.5735**	0.9197	0.3975	0.1051	0.4034
GLAMORGAN	**0.4741**	**0.5736**	0.9199	0.3975	0.1051	0.4034
POOLE	**0.4742**	**0.5736**	0.9199	0.3975	0.1051	0.4034
CALVARY HILL	**0.4742**	**0.5736**	0.9200	0.3975	0.1051	0.4034
VICTORIA VILLAGE	**0.4742**	**0.5736**	0.9201	0.3975	0.1051	0.4034
GHEERAHOO	**0.4742**	**0.5737**	0.9202	0.3975	0.1051	0.4034
NORTH MANZANILLA	**0.4743**	**0.5737**	0.9203	0.3975	0.1051	0.4034
MELAJO	**0.4743**	**0.5738**	0.9205	0.3975	0.1051	0.4034
FOUR ROADS - TAMANA	**0.4745**	**0.5739**	0.9208	0.3975	0.1051	0.4034
PALO SECO	**0.4745**	**0.5740**	0.9211	0.3975	0.1051	0.4034
INDIAN WALK	**0.4746**	**0.5740**	0.9213	0.3975	0.1051	0.4034
SCOTT ROAD VILLAGE	**0.4747**	**0.5741**	0.9214	0.3975	0.1051	0.4034
ECCLESVILLE	**0.4747**	**0.5741**	0.9215	0.3975	0.1051	0.4034
GUATOPAJARO	**0.4748**	**0.5742**	0.9218	0.3975	0.1051	0.4034
MARACAS	**0.4748**	**0.5743**	0.9220	0.3975	0.1051	0.4034
ROMAIN LANDS	**0.4749**	**0.5743**	0.9221	0.3975	0.1051	0.4034
FISHING POND	**0.4750**	**0.5744**	0.9224	0.3975	0.1051	0.4034
NAVET VILLAGE	**0.4750**	**0.5745**	0.9225	0.3975	0.1051	0.4034
LOS BAJOS	**0.4750**	**0.5745**	0.9226	0.3975	0.1051	0.4034
ROCHARD ROAD	**0.4752**	**0.5746**	0.9230	0.3975	0.1051	0.4034
LANSE NOIR'	**0.4753**	**0.5747**	0.9234	0.3975	0.1051	0.4034
WALLERFIELD	**0.4753**	**0.5748**	0.9235	0.3975	0.1051	0.4034

Community	DOI_ALT	DOI	Opportunity	Infrastructure	Utilization	Utilization
ROBERT VILLAGE	**0.4754**	**0.5748**	0.9235	0.3975	0.1051	0.4034
BROTHERS SETTLEMENT	**0.4754**	**0.5748**	0.9236	0.3975	0.1051	0.4034
PINTO ROAD	**0.4754**	**0.5749**	0.9238	0.3975	0.1051	0.4034
JACOB VILLAGE	**0.4756**	**0.5751**	0.9243	0.3975	0.1051	0.4034
ARGYLE KENDAL	**0.4756**	**0.5751**	0.9244	0.3975	0.1051	0.4034
SALAZAR VILLAGE	**0.4757**	**0.5751**	0.9244	0.3975	0.1051	0.4034
ARNOS VALE	**0.4757**	**0.5751**	0.9245	0.3975	0.1051	0.4034
TAMANA ROAD	**0.4757**	**0.5752**	0.9247	0.3975	0.1051	0.4034
PLAISANCE	**0.4758**	**0.5752**	0.9248	0.3975	0.1051	0.4034
LOPINOT VILLAGE	**0.4758**	**0.5753**	0.9249	0.3975	0.1051	0.4034
TURURE	**0.4758**	**0.5753**	0.9249	0.3975	0.1051	0.4034
CARAPO	**0.4759**	**0.5753**	0.9250	0.3975	0.1051	0.4034
BRICKFIELD/NAVET	**0.4759**	**0.5753**	0.9251	0.3975	0.1051	0.4034
FIFTH COMPANY	**0.4759**	**0.5753**	0.9252	0.3975	0.1051	0.4034
HINDUSTAN	**0.4759**	**0.5754**	0.9252	0.3975	0.1051	0.4034
NEVER DIRTY	**0.4760**	**0.5754**	0.9254	0.3975	0.1051	0.4034
SIXTH COMPANY	**0.4760**	**0.5755**	0.9255	0.3975	0.1051	0.4034
LAS CUEVAS	**0.4763**	**0.5757**	0.9263	0.3975	0.1051	0.4034
HOLLYWOOD	**0.4764**	**0.5758**	0.9267	0.3975	0.1051	0.4034
CARNBEE PATIENCE HILL	**0.4764**	**0.5758**	0.9267	0.3975	0.1051	0.4034
BAGATELLE	**0.4765**	**0.5759**	0.9268	0.3975	0.1051	0.4034
HOWSEN VILLAGE	**0.4765**	**0.5760**	0.9271	0.3975	0.1051	0.4034
BROADWAY	**0.4766**	**0.5760**	0.9273	0.3975	0.1051	0.4034
PICTON	**0.4766**	**0.5761**	0.9273	0.3975	0.1051	0.4034
TOCO	**0.4766**	**0.5761**	0.9274	0.3975	0.1051	0.4034
PARLATUVIER	**0.4767**	**0.5761**	0.9274	0.3975	0.1051	0.4034
CHARLOTTEVILLE	**0.4768**	**0.5762**	0.9277	0.3975	0.1051	0.4034
EASTERN QUARRY	**0.4768**	**0.5762**	0.9277	0.3975	0.1051	0.4034
CARMICHAEL	**0.4768**	**0.5762**	0.9279	0.3975	0.1051	0.4034
MORNE DIABLO	**0.4769**	**0.5763**	0.9281	0.3975	0.1051	0.4034
HEIGHTS OF GUANAPO	**0.4769**	**0.5763**	0.9281	0.3975	0.1051	0.4034
BAMBOO GROVE	**0.4769**	**0.5763**	0.9282	0.3975	0.1051	0.4034
TODDS STATION	**0.4769**	**0.5763**	0.9282	0.3975	0.1051	0.4034
CAMBLETON	**0.4770**	**0.5764**	0.9285	0.3975	0.1051	0.4034
CHARLOTTEVILLE ST. CLEMENTS	**0.4770**	**0.5765**	0.9285	0.3975	0.1051	0.4034
RANCHO QUEMADO	**0.4770**	**0.5765**	0.9285	0.3975	0.1051	0.4034
MON REPOS	**0.4771**	**0.5765**	0.9287	0.3975	0.1051	0.4034
FREDERICK SETTLEMENT	**0.4772**	**0.5766**	0.9290	0.3975	0.1051	0.4034
ST. MARYS VILLAGE	**0.4773**	**0.5767**	0.9292	0.3975	0.1051	0.4034
MATILDA	**0.4773**	**0.5767**	0.9294	0.3975	0.1051	0.4034
SEALOTS	**0.4773**	**0.5768**	0.9294	0.3975	0.1051	0.4034
PARAMIN	**0.4773**	**0.5768**	0.9294	0.3975	0.1051	0.4034
FLANAGIN TOWN	**0.4773**	**0.5768**	0.9295	0.3975	0.1051	0.4034
PEMBROKE	**0.4774**	**0.5768**	0.9295	0.3975	0.1051	0.4034
CARLSEN FIELD	**0.4774**	**0.5768**	0.9296	0.3975	0.1051	0.4034
OROPOUCHE	**0.4774**	**0.5768**	0.9297	0.3975	0.1051	0.4034

Community	DOI_ALT	DOI	Opportunity	Infrastructure	Utilization	Utilization
BON JEAN	**0.4774**	**0.5768**	0.9297	0.3975	0.1051	0.4034
TULSA VILLAGE	**0.4774**	**0.5769**	0.9298	0.3975	0.1051	0.4034
MORA SETTLEMENT	**0.4776**	**0.5770**	0.9301	0.3975	0.1051	0.4034
LORENSOTTE	**0.4776**	**0.5770**	0.9301	0.3975	0.1051	0.4034
WELCOME	**0.4776**	**0.5770**	0.9302	0.3975	0.1051	0.4034
SOBO VILLAGE	**0.4776**	**0.5770**	0.9303	0.3975	0.1051	0.4034
EAST PORT OF SPAIN	**0.4776**	**0.5771**	0.9304	0.3975	0.1051	0.4034
COAL MINE	**0.4777**	**0.5771**	0.9304	0.3975	0.1051	0.4034
MANZANILLA	**0.4777**	**0.5771**	0.9304	0.3975	0.1051	0.4034
IERE VILLAGE	**0.4777**	**0.5771**	0.9306	0.3975	0.1051	0.4034
CASTARA	**0.4777**	**0.5772**	0.9306	0.3975	0.1051	0.4034
HERMITAGE	**0.4779**	**0.5773**	0.9311	0.3975	0.1051	0.4034
ORANGE VALLEY	**0.4780**	**0.5774**	0.9313	0.3975	0.1051	0.4034
ST.CROIX VILLAGE	**0.4780**	**0.5774**	0.9313	0.3975	0.1051	0.4034
LUCY VALE	**0.4780**	**0.5774**	0.9313	0.3975	0.1051	0.4034
LANSE MITAN'	**0.4780**	**0.5774**	0.9314	0.3975	0.1051	0.4034
CULLODEN	**0.4780**	**0.5774**	0.9314	0.3975	0.1051	0.4034
CLEGHORN AND MT. PLEASANT	**0.4780**	**0.5774**	0.9314	0.3975	0.1051	0.4034
FORRES PARK	**0.4780**	**0.5774**	0.9315	0.3975	0.1051	0.4034
FEBEAU VILLAGE	**0.4780**	**0.5775**	0.9315	0.3975	0.1051	0.4034
SISTERS VILLAGE	**0.4780**	**0.5775**	0.9316	0.3975	0.1051	0.4034
SIGNAL HILL	**0.4781**	**0.5775**	0.9317	0.3975	0.1051	0.4034
PATIENCE HILL						
BRASSO CAPARO VILLAGE	**0.4783**	**0.5777**	0.9323	0.3975	0.1051	0.4034
BUEN INTENTO	**0.4783**	**0.5777**	0.9324	0.3975	0.1051	0.4034
DIBE/BELLE VUE	**0.4783**	**0.5778**	0.9325	0.3975	0.1051	0.4034
GOODWOOD	**0.4784**	**0.5778**	0.9327	0.3975	0.1051	0.4034
COROMANDEL	**0.4784**	**0.5779**	0.9327	0.3975	0.1051	0.4034
Barackpore	**0.4784**	**0.5655**	0.9328	0.3975	0.1051	0.3663
OROPOUCHE	**0.4785**	**0.5779**	0.9328	0.3975	0.1051	0.4034
ACONO VILLAGE	**0.4785**	**0.5779**	0.9328	0.3975	0.1051	0.4034
ERIN/BUENOS AYRES	**0.4785**	**0.5779**	0.9328	0.3975	0.1051	0.4034
KELLY VILLAGE	**0.4785**	**0.5779**	0.9329	0.3975	0.1051	0.4034
VANCE RIVER	**0.4785**	**0.5779**	0.9329	0.3975	0.1051	0.4034
MAYARO	**0.4785**	**0.5779**	0.9330	0.3975	0.1051	0.4034
WATER HOLE	**0.4785**	**0.5780**	0.9330	0.3975	0.1051	0.4034
CUNARIPO	**0.4786**	**0.5780**	0.9331	0.3975	0.1051	0.4034
CEDAR HILL	**0.4786**	**0.5781**	0.9333	0.3975	0.1051	0.4034
MALICK	**0.4787**	**0.5782**	0.9336	0.3975	0.1051	0.4034
SAN FRANCIQUE	**0.4788**	**0.5782**	0.9338	0.3975	0.1051	0.4034
BELLE GARDENS	**0.4788**	**0.5782**	0.9338	0.3975	0.1051	0.4034
FARNUM VILLAGE	**0.4788**	**0.5782**	0.9338	0.3975	0.1051	0.4034
BETHEL	**0.4788**	**0.5782**	0.9339	0.3975	0.1051	0.4034
PETIT MORNE	**0.4788**	**0.5783**	0.9339	0.3975	0.1051	0.4034
BEETHAM ESTATE	**0.4788**	**0.5783**	0.9339	0.3975	0.1051	0.4034
SAUT DEAU	**0.4788**	**0.5783**	0.9339	0.3975	0.1051	0.4034
BROTHERS ROAD	**0.4789**	**0.5783**	0.9340	0.3975	0.1051	0.4034
BETHEL MT GOMERY	**0.4789**	**0.5783**	0.9340	0.3975	0.1051	0.4034
MALGRETOUTE	**0.4789**	**0.5783**	0.9341	0.3975	0.1051	0.4034

Community	DOI_ALT	DOI	Opportunity	Infrastructure	Utilization	Utilization
BRICKFIELD	**0.4790**	**0.5784**	0.9345	0.3975	0.1051	0.4034
BLANCHISSEUSE VILLAGE	**0.4790**	**0.5784**	0.9345	0.3975	0.1051	0.4034
UPPER ST. JAMES	**0.4790**	**0.5785**	0.9345	0.3975	0.1051	0.4034
MAYO	**0.4790**	**0.5785**	0.9345	0.3975	0.1051	0.4034
SANGRE CHIQUITO	**0.4790**	**0.5785**	0.9346	0.3975	0.1051	0.4034
ST. CHARLES VILLAGE	**0.4790**	**0.5785**	0.9346	0.3975	0.1051	0.4034
FYZABAD	**0.4838**	**0.5838**	0.9450	0.4058	0.1007	0.4005
ESPERANZA	**0.4838**	**0.5838**	0.9451	0.4058	0.1007	0.4005
CHANDERNAGORE	**0.4839**	**0.5838**	0.9451	0.4058	0.1007	0.4005
CAURA	**0.4839**	**0.5838**	0.9451	0.4058	0.1007	0.4005
LA PAILLE VILLAGE	**0.4839**	**0.5838**	0.9452	0.4058	0.1007	0.4005
BUCCOO CORAL GARDENS	**0.4840**	**0.5839**	0.9455	0.4058	0.1007	0.4005
DOW VILLAGE	**0.4840**	**0.5839**	0.9455	0.4058	0.1007	0.4005
LA SEIVA VILLAGE	**0.4840**	**0.5839**	0.9455	0.4058	0.1007	0.4005
FIVE RIVERS	**0.4840**	**0.5839**	0.9455	0.4058	0.1007	0.4005
FANNY VILLAGE	**0.4840**	**0.5839**	0.9456	0.4058	0.1007	0.4005
GUAYAGUAYARE	**0.4840**	**0.5840**	0.9457	0.4058	0.1007	0.4005
PHOENIX PARK	**0.4840**	**0.5840**	0.9457	0.4058	0.1007	0.4005
BRASSO MANUEL JUNCTION	**0.4841**	**0.5840**	0.9457	0.4058	0.1007	0.4005
DIAMOND	**0.4841**	**0.5840**	0.9459	0.4058	0.1007	0.4005
MASON HALL	**0.4842**	**0.5841**	0.9460	0.4058	0.1007	0.4005
Guapo	**0.4842**	**0.5841**	0.9461	0.4058	0.1007	0.4005
HARRIS VILLAGE	**0.4843**	**0.5842**	0.9463	0.4058	0.1007	0.4005
EGYPT VILLAGE	**0.4843**	**0.5842**	0.9463	0.4058	0.1007	0.4005
PALMYRA	**0.4844**	**0.5843**	0.9466	0.4058	0.1007	0.4005
NANCOO VILLAGE	**0.4844**	**0.5843**	0.9466	0.4058	0.1007	0.4005
BONNE AVENTURE	**0.4844**	**0.5843**	0.9467	0.4058	0.1007	0.4005
PEPPER VILLAGE	**0.4844**	**0.5844**	0.9469	0.4058	0.1007	0.4005
LA RUFFIN	**0.4844**	**0.5844**	0.9469	0.4058	0.1007	0.4005
MOUNT GRACE	**0.4844**	**0.5844**	0.9469	0.4058	0.1007	0.4005
CAIGUAL	**0.4845**	**0.5844**	0.9469	0.4058	0.1007	0.4005
CHASE VILLAGE	**0.4845**	**0.5844**	0.9469	0.4058	0.1007	0.4005
CHARLIEVILLE	**0.4845**	**0.5844**	0.9470	0.4058	0.1007	0.4005
GUAICO	**0.4845**	**0.5844**	0.9470	0.4058	0.1007	0.4005
TUMPUNA ROAD	**0.4845**	**0.5844**	0.9470	0.4058	0.1007	0.4005
MACAULAY	**0.4845**	**0.5844**	0.9470	0.4058	0.1007	0.4005
MOUNT DOR	**0.4845**	**0.5844**	0.9470	0.4058	0.1007	0.4005
CALCUTTA ROAD NO.2	**0.4845**	**0.5844**	0.9471	0.4058	0.1007	0.4005
ARENA	**0.4845**	**0.5845**	0.9471	0.4058	0.1007	0.4005
MADRAS SETTLEMENT	**0.4845**	**0.5845**	0.9471	0.4058	0.1007	0.4005
WATERLOO	**0.4846**	**0.5845**	0.9473	0.4058	0.1007	0.4005
SYNE VILLAGE	**0.4846**	**0.5845**	0.9473	0.4058	0.1007	0.4005
BROOMAGE	**0.4848**	**0.5847**	0.9478	0.4058	0.1007	0.4005
BENNET VILLAGE	**0.4848**	**0.5847**	0.9479	0.4058	0.1007	0.4005
SAMAROO VILLAGE	**0.4848**	**0.5847**	0.9479	0.4058	0.1007	0.4005

Community	DOI_ALT	DOI	Opportunity	Infrastructure	Utilization	Utilization
RAVINE SABLE	**0.4849**	**0.5848**	0.9481	0.4058	0.1007	0.4005
BEJUCAL	**0.4850**	**0.5849**	0.9484	0.4058	0.1007	0.4005
COALMINE	**0.4936**	**0.5884**	0.9429	0.3906	0.1474	0.4316
COCHRANE	**0.4936**	**0.5884**	0.9429	0.3906	0.1474	0.4316
SOCONUSCO	**0.4936**	**0.5884**	0.9429	0.3906	0.1474	0.4316
COROSAL	**0.4936**	**0.5884**	0.9430	0.3906	0.1474	0.4316
CARAPICHAIMA	**0.4936**	**0.5884**	0.9430	0.3906	0.1474	0.4316
SUM SUM HILL	**0.4937**	**0.5884**	0.9430	0.3906	0.1474	0.4316
LA FORTUNE	**0.4937**	**0.5884**	0.9430	0.3906	0.1474	0.4316
WELLINGTON	**0.4937**	**0.5885**	0.9432	0.3906	0.1474	0.4316
CAP DE VILLE	**0.4937**	**0.5885**	0.9432	0.3906	0.1474	0.4316
HOPE FARM JOHN DIAL	**0.4938**	**0.5885**	0.9433	0.3906	0.1474	0.4316
MOUNT PLEASANT	**0.4938**	**0.5885**	0.9433	0.3906	0.1474	0.4316
BORDE NARVE	**0.4938**	**0.5885**	0.9434	0.3906	0.1474	0.4316
PIPARO	**0.4938**	**0.5886**	0.9435	0.3906	0.1474	0.4316
LA CANOA	**0.4938**	**0.5886**	0.9435	0.3906	0.1474	0.4316
Patience Hill	**0.4938**	**0.5701**	0.9436	0.3906	0.1474	0.3760
BETSY HOPE	**0.4939**	**0.5886**	0.9437	0.3906	0.1474	0.4316
SIMEON ROAD	**0.4939**	**0.5886**	0.9437	0.3906	0.1474	0.4316
SIPARIA	**0.4939**	**0.5887**	0.9438	0.3906	0.1474	0.4316
GONZALES	**0.4940**	**0.5887**	0.9439	0.3906	0.1474	0.4316
WARREN VILLAGE	**0.4940**	**0.5887**	0.9439	0.3906	0.1474	0.4316
LA ROMAIN	**0.4940**	**0.5887**	0.9439	0.3906	0.1474	0.4316
BOIS BOUGH	**0.4940**	**0.5888**	0.9441	0.3906	0.1474	0.4316
BUTLER VILLAGE	**0.4941**	**0.5888**	0.9442	0.3906	0.1474	0.4316
ST. JOHN	**0.4941**	**0.5888**	0.9442	0.3906	0.1474	0.4316
ORANGE HILL	**0.4941**	**0.5888**	0.9443	0.3906	0.1474	0.4316
ST. HELENA VILLAGE	**0.4941**	**0.5888**	0.9443	0.3906	0.1474	0.4316
VESSIGNY	**0.4941**	**0.5888**	0.9443	0.3906	0.1474	0.4316
APEX OIL FIELD	**0.4941**	**0.5889**	0.9444	0.3906	0.1474	0.4316
CUNUPIA	**0.4941**	**0.5889**	0.9444	0.3906	0.1474	0.4316
KANDAHAR	**0.4942**	**0.5889**	0.9445	0.3906	0.1474	0.4316
BEACH CAMP	**0.4942**	**0.5889**	0.9446	0.3906	0.1474	0.4316
BELMONT	**0.4943**	**0.5890**	0.9448	0.3906	0.1474	0.4316
MUNROE SETTLEMENT	**0.4943**	**0.5890**	0.9449	0.3906	0.1474	0.4316
UNION VILLAGE	**0.4966**	**0.5961**	0.9231	0.4617	0.1051	0.4034
TOP HILL	**0.4969**	**0.5903**	0.9376	0.3938	0.1594	0.4396
QUARRY VILLAGE	**0.4970**	**0.5904**	0.9377	0.3938	0.1594	0.4396
CEDROS	**0.4970**	**0.5904**	0.9377	0.3938	0.1594	0.4396
SPRING VILLAGE	**0.4970**	**0.5904**	0.9379	0.3938	0.1594	0.4396
TALPARO	**0.4971**	**0.5905**	0.9380	0.3938	0.1594	0.4396
PARRY LANDS SOUTH	**0.4971**	**0.5905**	0.9381	0.3938	0.1594	0.4396
RED HILL	**0.4971**	**0.5905**	0.9381	0.3938	0.1594	0.4396
MISSION	**0.4971**	**0.5905**	0.9382	0.3938	0.1594	0.4396
Bethlehem	**0.4971**	**0.5905**	0.9382	0.3938	0.1594	0.4396
ST. BARBS	**0.4984**	**0.5925**	0.9348	0.4076	0.1527	0.4351
SANTA FLORA	**0.4984**	**0.5925**	0.9349	0.4076	0.1527	0.4351
ERIN PROPER	**0.4984**	**0.5926**	0.9350	0.4076	0.1527	0.4351

Community	DOI_ALT	DOI	Opportunity	Infrastructure	Utilization	Utilization
MARIE ROAD	**0.4985**	**0.5926**	0.9351	0.4076	0.1527	0.4351
POINT LIGOURE	**0.4985**	**0.5926**	0.9351	0.4076	0.1527	0.4351
SHERWOOD PARK	**0.4985**	**0.5927**	0.9352	0.4076	0.1527	0.4351
PENAL ROCK ROAD	**0.4985**	**0.5927**	0.9353	0.4076	0.1527	0.4351
MOUNT ST GEORGE	**0.4986**	**0.5927**	0.9353	0.4076	0.1527	0.4351
BRASSO VENADO	**0.4986**	**0.5927**	0.9354	0.4076	0.1527	0.4351
HARMONY HALL	**0.4986**	**0.5928**	0.9355	0.4076	0.1527	0.4351
ST. JULIEN	**0.4987**	**0.5928**	0.9358	0.4076	0.1527	0.4351
VALENCIA	**0.4987**	**0.5929**	0.9359	0.4076	0.1527	0.4351
LAS LOMAS (NOS. 1 & 2)	**0.4988**	**0.5929**	0.9360	0.4076	0.1527	0.4351
UPPER BELMONT	**0.4988**	**0.5929**	0.9360	0.4076	0.1527	0.4351
SUDAMA VILLAGE	**0.4988**	**0.5929**	0.9361	0.4076	0.1527	0.4351
MAMORAL NO.2	**0.4988**	**0.5930**	0.9361	0.4076	0.1527	0.4351
INDIAN TRAIL	**0.4989**	**0.5930**	0.9363	0.4076	0.1527	0.4351
CONCORDIA	**0.4989**	**0.5930**	0.9363	0.4076	0.1527	0.4351
Maracas St Joseph	**0.4989**	**0.5930**	0.9364	0.4076	0.1527	0.4351
KUMAR VILLAGE	**0.4989**	**0.5931**	0.9364	0.4076	0.1527	0.4351
LENGUA VILLAGE/BARRACKPORE	**0.4989**	**0.5931**	0.9364	0.4076	0.1527	0.4351
MAFEKING	**0.4989**	**0.5931**	0.9364	0.4076	0.1527	0.4351
LA FORTUNE/PLUCK	**0.4989**	**0.5931**	0.9365	0.4076	0.1527	0.4351
ARIMA HEIGHTS/TEMPLE VILLAGE	**0.4990**	**0.5931**	0.9365	0.4076	0.1527	0.4351
PETIT CURUCAYE	**0.4990**	**0.5931**	0.9366	0.4076	0.1527	0.4351
LENDORE VILLAGE	**0.4990**	**0.5931**	0.9366	0.4076	0.1527	0.4351
BRASSO TAMANA	**0.4990**	**0.5931**	0.9367	0.4076	0.1527	0.4351
DELHI SETTLEMENT	**0.4990**	**0.5931**	0.9367	0.4076	0.1527	0.4351
INDUSTRIAL ESTATE	**0.4998**	**0.5942**	0.9387	0.4104	0.1501	0.4334
RIO CLARO	**0.4998**	**0.5942**	0.9389	0.4104	0.1501	0.4334
LENGUA VILLAGE	**0.4998**	**0.5942**	0.9389	0.4104	0.1501	0.4334
MARACAS BAY	**0.4998**	**0.5942**	0.9389	0.4104	0.1501	0.4334
PICTON	**0.4998**	**0.5942**	0.9389	0.4104	0.1501	0.4334
OROPUNA VILLAGE/PIARCO	**0.4998**	**0.5942**	0.9389	0.4104	0.1501	0.4334
FONROSE VILLAGE	**0.4998**	**0.5943**	0.9390	0.4104	0.1501	0.4334
BEN LOMOND	**0.4998**	**0.5943**	0.9390	0.4104	0.1501	0.4334
CLAXTON BAY	**0.4999**	**0.5943**	0.9390	0.4104	0.1501	0.4334
GRANVILLE	**0.4999**	**0.5943**	0.9391	0.4104	0.1501	0.4334
OUPLAY VILLAGE	**0.4999**	**0.5943**	0.9391	0.4104	0.1501	0.4334
DEBE PROPER	**0.4999**	**0.5943**	0.9391	0.4104	0.1501	0.4334
Sangre Grande	**0.4999**	**0.5844**	0.9391	0.4104	0.1501	0.4038
MAHOE	**0.4999**	**0.5943**	0.9391	0.4104	0.1501	0.4334
EMBACADERE	**0.4999**	**0.5943**	0.9392	0.4104	0.1501	0.4334
CAPARO	**0.4999**	**0.5944**	0.9393	0.4104	0.1501	0.4334
ST. AUGUSTINE SOUTH	**0.5000**	**0.5944**	0.9393	0.4104	0.1501	0.4334
BLUE BASIN	**0.5000**	**0.5944**	0.9393	0.4104	0.1501	0.4334
WADDLE VILLAGE	**0.5000**	**0.5944**	0.9394	0.4104	0.1501	0.4334

Community	DOI_ALT	DOI	Opportunity	Infrastructure	Utilization	Utilization
PARFORCE	**0.5000**	**0.5944**	0.9395	0.4104	0.1501	0.4334
NEW VILLAGE	**0.5000**	**0.5945**	0.9396	0.4104	0.1501	0.4334
UNION VILLAGE	**0.5070**	**0.6015**	0.9393	0.4316	0.1501	0.4334
Navet	**0.5089**	**0.6036**	0.9621	0.4170	0.1475	0.4317
THICK VILLAGE	**0.5481**	**0.6360**	0.9419	0.4934	0.2089	0.4726
MORIAH	**0.5481**	**0.6360**	0.9420	0.4934	0.2089	0.4726
ERIC WILLIAMS MEDICAL SCIENCES COMPLEX	**0.5481**	**0.6360**	0.9421	0.4934	0.2089	0.4726
Longdenville	**0.5481**	**0.6167**	0.9421	0.4934	0.2089	0.4145
TAROUBA	**0.5482**	**0.6360**	0.9421	0.4934	0.2089	0.4726
SAN RAPHAEL/BRAZIL	**0.5482**	**0.6361**	0.9423	0.4934	0.2089	0.4726
JORDAN VILLAGE	**0.5483**	**0.6362**	0.9425	0.4934	0.2089	0.4726
BATCHYIA VILLAGE	**0.5483**	**0.6362**	0.9425	0.4934	0.2089	0.4726
RICH PLAIN	**0.5483**	**0.6362**	0.9427	0.4934	0.2089	0.4726
GREEN HILL VILLAGE	**0.5483**	**0.6362**	0.9427	0.4934	0.2089	0.4726
MON DESIR/SILVER STREAM	**0.5600**	**0.6411**	0.9410	0.4689	0.2700	0.5134
CHARLO VILLAGE	**0.5600**	**0.6411**	0.9412	0.4689	0.2700	0.5134
CALCUTTA SETTLEMENT NO.2	**0.5601**	**0.6412**	0.9414	0.4689	0.2700	0.5134
PENAL	**0.5601**	**0.6413**	0.9415	0.4689	0.2700	0.5134
HERMITAGE VILLAGE	**0.5602**	**0.6413**	0.9415	0.4689	0.2700	0.5134
PRINCES TOWN PROPER	**0.5602**	**0.6413**	0.9416	0.4689	0.2700	0.5134
ROUSILLAC	**0.5602**	**0.6413**	0.9416	0.4689	0.2700	0.5134
STE. MADELEINE	**0.5602**	**0.6413**	0.9416	0.4689	0.2700	0.5134
MONKEY TOWN	**0.5602**	**0.6413**	0.9417	0.4689	0.2700	0.5134
Maloney	**0.5602**	**0.6413**	0.9418	0.4689	0.2700	0.5134
CHICKLAND	**0.5602**	**0.6413**	0.9418	0.4689	0.2700	0.5134
ARANGUEZ	**0.5603**	**0.6414**	0.9419	0.4689	0.2700	0.5134
PALMISTE	**0.5603**	**0.6414**	0.9419	0.4689	0.2700	0.5134
MATURITA	**0.5636**	**0.6443**	0.9382	0.4788	0.2737	0.5158
Covigne	**0.5636**	**0.6342**	0.9383	0.4788	0.2737	0.4855
TABAQUITE	**0.5636**	**0.6443**	0.9383	0.4788	0.2737	0.5158
ENTERPRISE	**0.5636**	**0.6443**	0.9384	0.4788	0.2737	0.5158
WARREN VILLAGE	**0.5637**	**0.6444**	0.9385	0.4788	0.2737	0.5158
Union Village	**0.5654**	**0.5350**	0.9595	0.4635	0.2730	0.1820
ST. CHARLES VILLAGE	**0.5694**	**0.6553**	0.9566	0.5246	0.2269	0.4846
RAMBERT VILLAGE	**0.5695**	**0.6554**	0.9569	0.5246	0.2269	0.4846
Mon Repos	**0.5695**	**0.5998**	0.9570	0.5246	0.2269	0.3179
BALMAIN	**0.5696**	**0.6555**	0.9573	0.5246	0.2269	0.4846
LA PASTORA	**0.5696**	**0.6555**	0.9574	0.5246	0.2269	0.4846
ARIPERO VILLAGE	**0.5697**	**0.6556**	0.9576	0.5246	0.2269	0.4846
CALDER HALL	**0.5698**	**0.6557**	0.9580	0.5246	0.2269	0.4846
FRIENDSFIELD LOWLANDS	**0.5699**	**0.6558**	0.9581	0.5246	0.2269	0.4846
ST. THOMAS VILLAGE	**0.5699**	**0.6558**	0.9582	0.5246	0.2269	0.4846
WHIM	**0.5699**	**0.6558**	0.9582	0.5246	0.2269	0.4846
LA MANGO VILLAGE	**0.5728**	**0.6526**	0.9397	0.4968	0.2821	0.5214

Community	DOI_ALT	DOI	Opportunity	Infrastructure	Utilization	Utilization
RADIX	**0.5728**	**0.6526**	0.9397	0.4968	0.2821	0.5214
MON DESIR	**0.5729**	**0.6526**	0.9397	0.4968	0.2821	0.5214
ESMERALDA	**0.5729**	**0.6527**	0.9398	0.4968	0.2821	0.5214
LIBERTVILLE	**0.5729**	**0.6527**	0.9398	0.4968	0.2821	0.5214
CEDAR HILL	**0.5729**	**0.6527**	0.9399	0.4968	0.2821	0.5214
California	**0.5730**	**0.6369**	0.9401	0.4968	0.2821	0.4738
GRAN COUVA	**0.5730**	**0.6528**	0.9402	0.4968	0.2821	0.5214
POONAH	**0.5730**	**0.6528**	0.9402	0.4968	0.2821	0.5214
BONASSE VILLAGE	**0.5730**	**0.6528**	0.9402	0.4968	0.2821	0.5214
GRAN CURUCAYE	**0.5730**	**0.6528**	0.9402	0.4968	0.2821	0.5214
LAVENTILLE	**0.5730**	**0.6528**	0.9403	0.4968	0.2821	0.5214
LOTHIAN	**0.5730**	**0.6528**	0.9403	0.4968	0.2821	0.5214
LA BREA	**0.5731**	**0.6528**	0.9403	0.4968	0.2821	0.5214
NEW GRANT	**0.5731**	**0.6529**	0.9404	0.4968	0.2821	0.5214
MORVANT	**0.5731**	**0.6529**	0.9404	0.4968	0.2821	0.5214
FELICITY	**0.5731**	**0.6529**	0.9405	0.4968	0.2821	0.5214
MENDEZ VILLAGE	**0.5731**	**0.6529**	0.9406	0.4968	0.2821	0.5214
CARONI VILLAGE	**0.5732**	**0.6530**	0.9407	0.4968	0.2821	0.5214
CORINTH	**0.5732**	**0.6530**	0.9409	0.4968	0.2821	0.5214
CARATAL	**0.5733**	**0.6530**	0.9409	0.4968	0.2821	0.5214
LES COTEAUX	**0.5733**	**0.6530**	0.9409	0.4968	0.2821	0.5214
BETHSEDA	**0.5733**	**0.6530**	0.9409	0.4968	0.2821	0.5214
CHATHAM	**0.5733**	**0.6530**	0.9409	0.4968	0.2821	0.5214
FRIENDSHIP	**0.5737**	**0.6604**	0.9486	0.5528	0.2196	0.4797
PETERSFIELD	**0.5737**	**0.6604**	0.9488	0.5528	0.2196	0.4797
EL SOCORRO	**0.5737**	**0.6604**	0.9488	0.5528	0.2196	0.4797
ECCLES VILLAGE	**0.5738**	**0.6605**	0.9489	0.5528	0.2196	0.4797
TUNAPUNA	**0.5738**	**0.6605**	0.9491	0.5528	0.2196	0.4797
ENDEAVOUR VILLAGE	**0.5738**	**0.6606**	0.9491	0.5528	0.2196	0.4797
USINE STE. MADELEINE	**0.5738**	**0.6606**	0.9492	0.5528	0.2196	0.4797
PLEASANTVILLE	**0.5739**	**0.6606**	0.9492	0.5528	0.2196	0.4797
CANTARO VILLAGE	**0.5739**	**0.6606**	0.9493	0.5528	0.2196	0.4797
CANE FARM	**0.5739**	**0.6606**	0.9494	0.5528	0.2196	0.4797
ST. MARYS VILLAGE	**0.5739**	**0.6606**	0.9494	0.5528	0.2196	0.4797
CHIN CHIN	**0.5740**	**0.6607**	0.9495	0.5528	0.2196	0.4797
LA HORQUETTA	**0.5740**	**0.6607**	0.9496	0.5528	0.2196	0.4797
OMEARA ROAD'	**0.5740**	**0.6607**	0.9497	0.5528	0.2196	0.4797
SAN JUAN	**0.5740**	**0.6607**	0.9497	0.5528	0.2196	0.4797
AVOCAT VILLAGE	**0.5741**	**0.6608**	0.9498	0.5528	0.2196	0.4797
DE GANNES VILLAGE	**0.5741**	**0.6608**	0.9499	0.5528	0.2196	0.4797
AROUCA	**0.5741**	**0.6608**	0.9500	0.5528	0.2196	0.4797
SPRINGLAND/SAN FABIAN	**0.5741**	**0.6609**	0.9500	0.5528	0.2196	0.4797
FREEPORT	**0.5742**	**0.6609**	0.9501	0.5528	0.2196	0.4797
GASPARILLO	**0.5742**	**0.6609**	0.9502	0.5528	0.2196	0.4797
WHITE LAND	**0.5743**	**0.6610**	0.9504	0.5528	0.2196	0.4797
POWDER MAGAZINE	**0.5743**	**0.6610**	0.9506	0.5528	0.2196	0.4797
PLYMOUTH	**0.5743**	**0.6611**	0.9507	0.5528	0.2196	0.4797
ARIMA PROPER	**0.5743**	**0.6611**	0.9507	0.5528	0.2196	0.4797
Jerningham Jcn	**0.5744**	**0.6505**	0.9507	0.5528	0.2196	0.4480

Community	DOI_ALT	DOI	Opportunity	Infrastructure	Utilization	Utilization
HOPE BHENHEIM	**0.5744**	**0.6611**	0.9508	0.5528	0.2196	0.4797
DINSLEY	**0.5744**	**0.6611**	0.9509	0.5528	0.2196	0.4797
MONTROSE VILLAGE	**0.5744**	**0.6612**	0.9509	0.5528	0.2196	0.4797
CANAAN	**0.5745**	**0.6612**	0.9510	0.5528	0.2196	0.4797
Mc BEAN	**0.5745**	**0.6612**	0.9510	0.5528	0.2196	0.4797
GRAND LAGOON	**0.5745**	**0.6612**	0.9511	0.5528	0.2196	0.4797
POINT LISAS (NHA)	**0.5745**	**0.6612**	0.9511	0.5528	0.2196	0.4797
AGOSTINI VILLAGE	**0.5745**	**0.6612**	0.9512	0.5528	0.2196	0.4797
PREYSAL	**0.5745**	**0.6612**	0.9512	0.5528	0.2196	0.4797
TECHIER VILLAGE	**0.5745**	**0.6612**	0.9512	0.5528	0.2196	0.4797
ST. MARGARET	**0.5746**	**0.6613**	0.9515	0.5528	0.2196	0.4797
REFORM VILLAGE	**0.5747**	**0.6614**	0.9516	0.5528	0.2196	0.4797
ST. ANDREWS VILLAGE	**0.5747**	**0.6614**	0.9518	0.5528	0.2196	0.4797
MARABELLA	**0.5747**	**0.6614**	0.9518	0.5528	0.2196	0.4797
DIAMOND	**0.5747**	**0.6614**	0.9518	0.5528	0.2196	0.4797
PETIT BOURG	**0.5748**	**0.6615**	0.9521	0.5528	0.2196	0.4797
PORT OF SPAIN PROPER	**0.5749**	**0.6616**	0.9522	0.5528	0.2196	0.4797
EASTERFIELD	**0.5749**	**0.6616**	0.9523	0.5528	0.2196	0.4797
CHAGUANAS PROPER	**0.5827**	**0.6658**	0.9558	0.5397	0.2527	0.5018
FOUR ROADS	**0.5828**	**0.6658**	0.9560	0.5397	0.2527	0.5018
BAGATELLE	**0.5828**	**0.6659**	0.9561	0.5397	0.2527	0.5018
Bon Air	**0.5829**	**0.6429**	0.9563	0.5397	0.2527	0.4328
CHINESE VILLAGE	**0.5829**	**0.6659**	0.9564	0.5397	0.2527	0.5018
MORUGA VILLAGE	**0.5829**	**0.6660**	0.9564	0.5397	0.2527	0.5018
GOLCONDA	**0.5829**	**0.6660**	0.9564	0.5397	0.2527	0.5018
LOWER HILL SIDE	**0.5829**	**0.6660**	0.9565	0.5397	0.2527	0.5018
REST OF OFF-SHORE ISLANDS	**0.5829**	**0.6660**	0.9565	0.5397	0.2527	0.5018
DANNY VILLAGE	**0.5830**	**0.6660**	0.9565	0.5397	0.2527	0.5018
NEWLANDS	**0.5830**	**0.6660**	0.9566	0.5397	0.2527	0.5018
PHILLIPINES	**0.5934**	**0.6742**	0.9583	0.5489	0.2730	0.5154
LA RESOURCE	**0.5935**	**0.6743**	0.9586	0.5489	0.2730	0.5154
SHERWOOD PARK	**0.5936**	**0.6743**	0.9587	0.5489	0.2730	0.5154
POINT LISAS (PLIPDECO HOUSING)	**0.5936**	**0.6743**	0.9587	0.5489	0.2730	0.5154
UNION PARK	**0.5936**	**0.6744**	0.9588	0.5489	0.2730	0.5154
POINT DOR	**0.5937**	**0.6745**	0.9591	0.5489	0.2730	0.5154
VISTABELLA	**0.5937**	**0.6745**	0.9593	0.5489	0.2730	0.5154
DOW VILLAGE	**0.5938**	**0.6746**	0.9595	0.5489	0.2730	0.5154
CARNBEE ALL FIELD TRACE	**0.5939**	**0.6747**	0.9598	0.5489	0.2730	0.5154
ABYSINIA VILLAGE (OILFIELD AREA)	**0.5941**	**0.6748**	0.9602	0.5489	0.2730	0.5154
GOLCONDA	**0.5941**	**0.6749**	0.9603	0.5489	0.2730	0.5154
ESPERANCE VILLAGE	**0.5941**	**0.6749**	0.9603	0.5489	0.2730	0.5154
FRIENDSHIP	**0.5942**	**0.6749**	0.9605	0.5489	0.2730	0.5154
MT. HOPE	**0.5942**	**0.6749**	0.9605	0.5489	0.2730	0.5154
CINNAMON HALL GOVT HOUSE	**0.5942**	**0.6750**	0.9606	0.5489	0.2730	0.5154

Community	DOI_ALT	DOI	Opportunity	Infrastructure	Utilization	Utilization
COCOYEA VILLAGE	**0.5942**	**0.6750**	0.9607	0.5489	0.2730	0.5154
GREEN ACRES	**0.5943**	**0.6751**	0.9609	0.5489	0.2730	0.5154
RIVERSDALE	**0.6127**	**0.6891**	0.9369	0.5893	0.3118	0.5412
ST JOHNS VILLAGE	**0.6127**	**0.6891**	0.9369	0.5893	0.3118	0.5412
Macoya	**0.6127**	**0.6892**	0.9370	0.5893	0.3118	0.5412
TODDS ROAD	**0.6127**	**0.6892**	0.9371	0.5893	0.3118	0.5412
GEORGE VILLAGE	**0.6128**	**0.6892**	0.9372	0.5893	0.3118	0.5412
CUMUTO	**0.6128**	**0.6893**	0.9372	0.5893	0.3118	0.5412
ST. JOSEPH VILLAGE	**0.6128**	**0.6893**	0.9373	0.5893	0.3118	0.5412
CORYAL VILLAGE	**0.6128**	**0.6893**	0.9373	0.5893	0.3118	0.5412
GONZALES	**0.6128**	**0.6893**	0.9373	0.5893	0.3118	0.5412
BASTA HALL	**0.6128**	**0.6893**	0.9374	0.5893	0.3118	0.5412
TORTUGA	**0.6128**	**0.6893**	0.9374	0.5893	0.3118	0.5412
SPRING VILLAGE	**0.6129**	**0.6894**	0.9376	0.5893	0.3118	0.5412
EL SOCORRO EXTENSION	**0.6129**	**0.6894**	0.9376	0.5893	0.3118	0.5412
PALMYRA VILLAGE/MT. STEWART	**0.6129**	**0.6894**	0.9376	0.5893	0.3118	0.5412
BELMONT	**0.6488**	**0.7185**	0.9530	0.6209	0.3723	0.5816
MARAVAL PROPER	**0.6488**	**0.7185**	0.9530	0.6209	0.3723	0.5816
PARADISE	**0.6488**	**0.7185**	0.9531	0.6209	0.3723	0.5816
BLACK ROCK	**0.6488**	**0.7186**	0.9532	0.6209	0.3723	0.5816
CUREPE	**0.6488**	**0.7186**	0.9533	0.6209	0.3723	0.5816
PLAISANCE PARK	**0.6489**	**0.7186**	0.9534	0.6209	0.3723	0.5816
COCORITE	**0.6489**	**0.7186**	0.9535	0.6209	0.3723	0.5816
MT. IRVINE BLACK ROCK	**0.6490**	**0.7187**	0.9536	0.6209	0.3723	0.5816
RIVER ESTATE	**0.6490**	**0.7187**	0.9536	0.6209	0.3723	0.5816
SCARBOROUGH	**0.6490**	**0.7187**	0.9537	0.6209	0.3723	0.5816
BON ACCORD	**0.6490**	**0.7188**	0.9539	0.6209	0.3723	0.5816
CITY PROPER	**0.6490**	**0.7188**	0.9539	0.6209	0.3723	0.5816
CARENAGE	**0.6491**	**0.7188**	0.9540	0.6209	0.3723	0.5816
DARREL SPRING	**0.6491**	**0.7188**	0.9540	0.6209	0.3723	0.5816
BEAU PRES	**0.6491**	**0.7189**	0.9542	0.6209	0.3723	0.5816
MALABAR	**0.6492**	**0.7190**	0.9544	0.6209	0.3723	0.5816
BUCARRO	**0.6492**	**0.7190**	0.9545	0.6209	0.3723	0.5816
CLEAVER ROAD	**0.6493**	**0.7191**	0.9547	0.6209	0.3723	0.5816
CAMERON ROAD	**0.6493**	**0.7191**	0.9548	0.6209	0.3723	0.5816
TUMPUNA ROAD	**0.6493**	**0.7191**	0.9548	0.6209	0.3723	0.5816
ST. JOSEPH	**0.6494**	**0.7191**	0.9549	0.6209	0.3723	0.5816
BARATARIA	**0.6495**	**0.7192**	0.9552	0.6209	0.3723	0.5816
Couva Central	**0.6495**	**0.7151**	0.9552	0.6209	0.3723	0.5692
IDLEWILD WHIM	**0.6495**	**0.7192**	0.9553	0.6209	0.3723	0.5816
LA PUERTA	**0.6495**	**0.7193**	0.9553	0.6209	0.3723	0.5816
DABADIE	**0.6495**	**0.7193**	0.9554	0.6209	0.3723	0.5816
OLTON ROAD	**0.6495**	**0.7193**	0.9554	0.6209	0.3723	0.5816
MAUSICA	**0.6692**	**0.7388**	0.9611	0.6729	0.3737	0.5825
EL DORADO	**0.6693**	**0.7389**	0.9612	0.6729	0.3737	0.5825
ST. JOSEPH VILLAGE	**0.6694**	**0.7390**	0.9616	0.6729	0.3737	0.5825
EDINBURGH VILLAGE	**0.6694**	**0.7390**	0.9617	0.6729	0.3737	0.5825

Community	DOI_ALT	DOI	Opportunity	Infrastructure	Utilization	Utilization
LES EFFORTS WEST	**0.6695**	**0.7391**	0.9620	0.6729	0.3737	0.5825
ST. JAMES	**0.6695**	**0.7391**	0.9620	0.6729	0.3737	0.5825
LES EFFORTS EAST	**0.6696**	**0.7392**	0.9622	0.6729	0.3737	0.5825
Duncan Village	**0.6696**	**0.7228**	0.9622	0.6729	0.3737	0.5333
POINT FORTIN	**0.6696**	**0.7392**	0.9624	0.6729	0.3737	0.5825
PROPER LAMBEAU	**0.6697**	**0.7393**	0.9625	0.6729	0.3737	0.5825
MT. PLEASANT	**0.6697**	**0.7393**	0.9625	0.6729	0.3737	0.5825
MOUNT MARIE	**0.6697**	**0.7393**	0.9626	0.6729	0.3737	0.5825
CHAMP FLEURS	**0.6698**	**0.7394**	0.9629	0.6729	0.3737	0.5825
CARIB HOMES	**0.6701**	**0.7397**	0.9637	0.6729	0.3737	0.5825
BON AIR WEST	**0.6702**	**0.7398**	0.9640	0.6729	0.3737	0.5825
DEVELOPMENT SARGEANT CAIN	**0.6703**	**0.7399**	0.9644	0.6729	0.3737	0.5825
OLD GRANGE SOU	**0.6704**	**0.7400**	0.9647	0.6729	0.3737	0.5825
LANDS TACARIGUA	**0.6706**	**0.7402**	0.9653	0.6729	0.3737	0.5825
SPEYSIDE	**0.6707**	**0.7403**	0.9655	0.6729	0.3737	0.5825
ST. LUCIEN ROAD	**0.6710**	**0.7406**	0.9665	0.6729	0.3737	0.5825
ST. ANNS	**0.6710**	**0.7406**	0.9666	0.6729	0.3737	0.5825
SPRING GARDEN	**0.6711**	**0.7407**	0.9669	0.6729	0.3737	0.5825
SIGNAL HILL BRECHIN CASTLE	**0.6712**	**0.7408**	0.9670	0.6729	0.3737	0.5825
CROWN POINT	**0.6713**	**0.7409**	0.9673	0.6729	0.3737	0.5825
MILFORD COURT	**0.6715**	**0.7411**	0.9680	0.6729	0.3737	0.5825
PIGEON POINT EDINBURGH 500	**0.6716**	**0.7412**	0.9683	0.6729	0.3737	0.5825
EDINBURGH GARDENS	**0.6717**	**0.7413**	0.9686	0.6729	0.3737	0.5825
ST. AUGUSTINE	**0.6717**	**0.7413**	0.9686	0.6729	0.3737	0.5825
LA SEIVA	**0.6717**	**0.7413**	0.9686	0.6729	0.3737	0.5825
MT LAMBERT	**0.6717**	**0.7413**	0.9686	0.6729	0.3737	0.5825
FOREST RESERVE	**0.6719**	**0.7415**	0.9690	0.6729	0.3737	0.5825
SANTA ROSA HEIGHTS	**0.6719**	**0.7415**	0.9691	0.6729	0.3737	0.5825
DIEGO MARTIN PROPER	**0.6720**	**0.7416**	0.9693	0.6729	0.3737	0.5825
LA BAJA	**0.6720**	**0.7416**	0.9695	0.6729	0.3737	0.5825
FAIRVIEW	**0.6722**	**0.7418**	0.9699	0.6729	0.3737	0.5825
SANTA CRUZ	**0.6722**	**0.7418**	0.9701	0.6729	0.3737	0.5825
WOODBROOK	**0.6722**	**0.7418**	0.9701	0.6729	0.3737	0.5825
PETIT VALLEY	**0.6722**	**0.7418**	0.9701	0.6729	0.3737	0.5825
CANAAN	**0.6724**	**0.7420**	0.9706	0.6729	0.3737	0.5825
VILLAGE/PALMISTE NEWTOWN	**0.6726**	**0.7421**	0.9711	0.6729	0.3737	0.5825
CENTENO	**0.6726**	**0.7422**	0.9713	0.6729	0.3737	0.5825
BOISSIERE	**0.6727**	**0.7423**	0.9715	0.6729	0.3737	0.5825
POINT CUMANA	**0.6727**	**0.7423**	0.9716	0.6729	0.3737	0.5825
CASCADE	**0.6729**	**0.7425**	0.9720	0.6729	0.3737	0.5825
MARAJ LANDS	**0.6730**	**0.7426**	0.9723	0.6729	0.3737	0.5825
SAM BOUCAUD	**0.6730**	**0.7426**	0.9724	0.6729	0.3737	0.5825
SANTA MARGARITA	**0.6982**	**0.7590**	0.9731	0.6682	0.4534	0.6356

Community	DOI_ALT	DOI	Opportunity	Infrastructure	Utilization	Utilization
FORT GEORGE	**0.6983**	**0.7591**	0.9734	0.6682	0.4534	0.6356
DIAMOND VALE	**0.6984**	**0.7591**	0.9737	0.6682	0.4534	0.6356
SPRING VILLAGE	**0.6984**	**0.7592**	0.9737	0.6682	0.4534	0.6356
LANGE PARK	**0.6988**	**0.7595**	0.9748	0.6682	0.4534	0.6356
DINSLEY/TRINCITY	**0.6988**	**0.7595**	0.9749	0.6682	0.4534	0.6356
ST. CLAIR	**0.6990**	**0.7597**	0.9755	0.6682	0.4534	0.6356
PARADISE GARDENS	**0.6990**	**0.7598**	0.9756	0.6682	0.4534	0.6356
GULF VIEW	**0.6991**	**0.7598**	0.9756	0.6682	0.4534	0.6356
BRIGHTON	**0.6991**	**0.7598**	0.9757	0.6682	0.4534	0.6356
HALELAND PARK/MOKA	**0.6992**	**0.7599**	0.9760	0.6682	0.4534	0.6356
NEVER DIRTY	**0.6993**	**0.7601**	0.9765	0.6682	0.4534	0.6356
HOMELAND GARDENS	**0.6994**	**0.7601**	0.9767	0.6682	0.4534	0.6356
REAL SPRINGS	**0.6994**	**0.7601**	0.9767	0.6682	0.4534	0.6356
LA FLORISANTE	**0.6994**	**0.7602**	0.9768	0.6682	0.4534	0.6356
PALMISTE	**0.7000**	**0.7607**	0.9783	0.6682	0.4534	0.6356
Trincity	**0.7000**	**0.6496**	0.9784	0.6682	0.4534	0.3022
VICTORIA GARDENS	**0.7001**	**0.7608**	0.9786	0.6682	0.4534	0.6356
FAIRWAYS	**0.7001**	**0.7608**	0.9787	0.6682	0.4534	0.6356
ELLERSLIE PARK	**0.7001**	**0.7609**	0.9789	0.6682	0.4534	0.6356
ALYCE GLEN	**0.7003**	**0.7610**	0.9794	0.6682	0.4534	0.6356
VALLEY VIEW	**0.7004**	**0.7611**	0.9795	0.6682	0.4534	0.6356
GLENCOE	**0.7004**	**0.7611**	0.9797	0.6682	0.4534	0.6356
CHAGUARAMAS	**0.7008**	**0.7615**	0.9808	0.6682	0.4534	0.6356
PORT OF SPAIN PORT AREA	**0.7010**	**0.7617**	0.9814	0.6682	0.4534	0.6356
LOWER SANTA CRUZ	**0.7011**	**0.7618**	0.9816	0.6682	0.4534	0.6356
CLIFTON HILL	**0.7011**	**0.7618**	0.9817	0.6682	0.4534	0.6356
BACOLET	**0.7014**	**0.7621**	0.9826	0.6682	0.4534	0.6356
LA HORQUETTE	**0.8458**	**0.8702**	0.9827	0.7744	0.7804	0.8536
BLUE RANGE	**0.8460**	**0.8704**	0.9832	0.7744	0.7804	0.8536
FEDERATION PARK	**0.8460**	**0.8704**	0.9833	0.7744	0.7804	0.8536
TRINTOC (POINTE A PIERRE)	**0.8461**	**0.8705**	0.9836	0.7744	0.7804	0.8536
VALSAYN	**0.8464**	**0.8708**	0.9844	0.7744	0.7804	0.8536
BAYSHORE	**0.8464**	**0.8708**	0.9845	0.7744	0.7804	0.8536
Westmoorings	**0.8468**	**0.8490**	0.9856	0.7744	0.7804	0.7869
GOODWOOD GARDENS	**0.8469**	**0.8713**	0.9860	0.7744	0.7804	0.8536
LADY CHANCELLOR	**0.8470**	**0.8714**	0.9863	0.7744	0.7804	0.8536
LONG CIRCULAR	**0.8479**	**0.8723**	0.9890	0.7744	0.7804	0.8536

Appendix 6
Digital Access Index (with category indices)

Community	DAI	Infrastructure	Affordability	Knowledge	Quality	Usage
BICHE	**0.5694**	0.5609	0.8679	0.7949	0.4126	0.2108
ROBERT VILLAGE	**0.5749**	0.5609	0.8966	0.7936	0.4126	0.2108
BROOKLYN SETTLEMENT	**0.5751**	0.5609	0.8339	0.8573	0.4126	0.2108
CARAPAL	**0.5755**	0.5609	0.8222	0.8709	0.4126	0.2108
CARMICHAEL	**0.5757**	0.5609	0.9024	0.7918	0.4126	0.2108
BICHE	**0.5775**	0.5609	0.8435	0.8598	0.4126	0.2108
MONTE VIDEO	**0.5785**	0.5609	0.8458	0.8626	0.4126	0.2108
DELAFORD	**0.5788**	0.5609	0.8822	0.8276	0.4126	0.2108
CHARUMA VILLAGE	**0.5794**	0.5609	0.8318	0.8810	0.4126	0.2108
SAN SOUCI	**0.5801**	0.5609	0.8515	0.8649	0.4126	0.2108
PEPPER VILLAGE	**0.5810**	0.5609	0.8879	0.8328	0.4126	0.2108
MORIN BAY	**0.5811**	0.5609	0.8720	0.8493	0.4126	0.2108
LA SAVANNE	**0.5814**	0.5609	0.8892	0.8336	0.4126	0.2108
FULLERTON	**0.5819**	0.5609	0.8589	0.8662	0.4126	0.2108
GOLDEN LANE	**0.5819**	0.5609	0.8513	0.8740	0.4126	0.2108
MARAJ HILL	**0.5827**	0.5609	0.8910	0.8381	0.4126	0.2108
LA LUNE	**0.5829**	0.5609	0.8745	0.8559	0.4126	0.2108
TOMPIRE	**0.5829**	0.5609	0.8524	0.8780	0.4126	0.2108
MATELOT	**0.5830**	0.5609	0.8688	0.8618	0.4126	0.2108
MARAC	**0.5831**	0.5609	0.8526	0.8789	0.4126	0.2108
ORTOIRE	**0.5832**	0.5609	0.8877	0.8438	0.4126	0.2108
LANSE FORMI	**0.5833**	0.5609	0.8378	0.8947	0.4126	0.2108
GLAMORGAN	**0.5834**	0.5609	0.8918	0.8411	0.4126	0.2108
CUSHE/NAVET	**0.5835**	0.5609	0.8598	0.8733	0.4126	0.2108
BASSE TERRE	**0.5842**	0.5609	0.8723	0.8645	0.4126	0.2108
ST.CROIX VILLAGE	**0.5842**	0.5609	0.9070	0.8299	0.4126	0.2108
TABLELAND	**0.5846**	0.5609	0.8609	0.8780	0.4126	0.2108
HINDUSTAN	**0.5849**	0.5609	0.8989	0.8416	0.4126	0.2108
BROTHERS SETTLEMENT	**0.5850**	0.5609	0.8968	0.8442	0.4126	0.2108
CUMACA	**0.5852**	0.5609	0.8510	0.8906	0.4126	0.2108
BLOODY BAY	**0.5857**	0.5609	0.8755	0.8689	0.4126	0.2108
POOLE	**0.5865**	0.5609	0.8918	0.8566	0.4126	0.2108
HOLLYWOOD	**0.5866**	0.5609	0.9008	0.8479	0.4126	0.2108
AGOSTINI VILLAGE	**0.5867**	0.5609	0.8841	0.8653	0.4126	0.2108
NAVET VILLAGE	**0.5868**	0.5609	0.8953	0.8545	0.4126	0.2108
LOS CHAROS	**0.5868**	0.5609	0.8821	0.8678	0.4126	0.2108
RAMPANALGAS	**0.5869**	0.5609	0.8534	0.8966	0.4126	0.2108
CORYAL	**0.5869**	0.5609	0.8650	0.8853	0.4126	0.2108
VICTORIA VILLAGE	**0.5869**	0.5609	0.8920	0.8584	0.4126	0.2108
WALLERFIELD	**0.5871**	0.5609	0.8965	0.8545	0.4126	0.2108
MATURA	**0.5872**	0.5609	0.8841	0.8677	0.4126	0.2108
GUATOPAJARO	**0.5873**	0.5609	0.8943	0.8579	0.4126	0.2108
ROBERT HILL/SIPARIA	**0.5874**	0.5609	0.8539	0.8990	0.4126	0.2108
TODDS STATION	**0.5875**	0.5609	0.9028	0.8503	0.4126	0.2108
FIFTH COMPANY	**0.5876**	0.5609	0.8988	0.8549	0.4126	0.2108
DYERS VILLAGE	**0.5876**	0.5609	0.8915	0.8624	0.4126	0.2108
LOS IROS/ERIN	**0.5877**	0.5609	0.8823	0.8721	0.4126	0.2108
Barackpore	**0.5878**	0.5609	0.9089	0.8457	0.4126	0.2108

Community	DAI	Infrastructure	Affordability	Knowledge	Quality	Usage
BAMBOO GROVE	**0.5878**	0.5609	0.9028	0.8520	0.4126	0.2108
BALANDRA	**0.5880**	0.5609	0.8511	0.9046	0.4126	0.2108
MON REPOS	**0.5884**	0.5609	0.9035	0.8543	0.4126	0.2108
GRAND RIVIERE	**0.5886**	0.5609	0.8819	0.8769	0.4126	0.2108
CULLODEN	**0.5887**	0.5609	0.9070	0.8524	0.4126	0.2108
SURREY VILLAGE	**0.5888**	0.5609	0.8890	0.8706	0.4126	0.2108
BETHEL	**0.5888**	0.5609	0.9104	0.8495	0.4126	0.2108
INDIAN WALK	**0.5888**	0.5609	0.8936	0.8663	0.4126	0.2108
SCOTT ROAD VILLAGE	**0.5889**	0.5609	0.8938	0.8663	0.4126	0.2108
DEEP RAVINE/CLEAR WATER	**0.5890**	0.5609	0.8848	0.8756	0.4126	0.2108
PLUM MITAN	**0.5893**	0.5609	0.8802	0.8820	0.4126	0.2108
COCAL ESTATE/MAYARO	**0.5894**	0.5609	0.8905	0.8723	0.4126	0.2108
UNION VILLAGE	**0.5895**	0.5609	0.8961	0.8672	0.4126	0.2108
CEDAR HILL	**0.5896**	0.5609	0.9096	0.8541	0.4126	0.2108
WELCOME	**0.5898**	0.5609	0.9055	0.8593	0.4126	0.2108
TAMANA	**0.5902**	0.5609	0.8890	0.8777	0.4126	0.2108
ECCLESVILLE	**0.5902**	0.5609	0.8940	0.8727	0.4126	0.2108
MELAJO	**0.5903**	0.5609	0.8926	0.8747	0.4126	0.2108
LE PLATTE	**0.5903**	0.5609	0.8850	0.8823	0.4126	0.2108
LA SAVANNE	**0.5904**	0.5609	0.8888	0.8789	0.4126	0.2108
ROCHARD ROAD	**0.5905**	0.5609	0.8959	0.8723	0.4126	0.2108
PINTO ROAD	**0.5906**	0.5609	0.8969	0.8719	0.4126	0.2108
PALO SECO	**0.5906**	0.5609	0.8934	0.8755	0.4126	0.2108
ST. JOHNS VILLAGE	**0.5907**	0.5609	0.8798	0.8894	0.4126	0.2108
MAINFIELD	**0.5907**	0.5609	0.9019	0.8673	0.4126	0.2108
SAN PEDRO	**0.5907**	0.5609	0.8909	0.8784	0.4126	0.2108
LA LAJA	**0.5907**	0.5609	0.8752	0.8942	0.4126	0.2108
CUMANA	**0.5908**	0.5609	0.8826	0.8872	0.4126	0.2108
PICTON	**0.5908**	0.5609	0.9016	0.8682	0.4126	0.2108
FLANAGIN TOWN	**0.5908**	0.5609	0.9046	0.8654	0.4126	0.2108
BEETHAM ESTATE	**0.5909**	0.5609	0.9104	0.8596	0.4126	0.2108
CANQUE	**0.5909**	0.5609	0.8864	0.8840	0.4126	0.2108
BRICKFIELD/NAVET	**0.5910**	0.5609	0.8988	0.8719	0.4126	0.2108
BLANCHISSEUSE VILLAGE	**0.5910**	0.5609	0.9112	0.8595	0.4126	0.2108
FISHING POND	**0.5910**	0.5609	0.8951	0.8758	0.4126	0.2108
BUEN INTENTO	**0.5911**	0.5609	0.9084	0.8628	0.4126	0.2108
ICACOS	**0.5911**	0.5609	0.8842	0.8870	0.4126	0.2108
SEALOTS	**0.5911**	0.5609	0.9044	0.8670	0.4126	0.2108
BETHEL MT GOMERY	**0.5913**	0.5609	0.9106	0.8615	0.4126	0.2108
BIG YARD	**0.5913**	0.5609	0.8910	0.8812	0.4126	0.2108
PETIT CAFE'	**0.5914**	0.5609	0.8790	0.8937	0.4126	0.2108
ROMAIN LANDS	**0.5915**	0.5609	0.8947	0.8784	0.4126	0.2108
OROPOUCHE	**0.5915**	0.5609	0.9090	0.8643	0.4126	0.2108
MAYARO	**0.5916**	0.5609	0.9092	0.8646	0.4126	0.2108
CHARLOTTEVILLE	**0.5917**	0.5609	0.9022	0.8720	0.4126	0.2108
PLAISANCE	**0.5917**	0.5609	0.8983	0.8760	0.4126	0.2108
JACOB VILLAGE	**0.5918**	0.5609	0.8977	0.8771	0.4126	0.2108
DELAFORD LOUIS DOR LAND SETT	**0.5919**	0.5609	0.8899	0.8852	0.4126	0.2108
KINGS BAY	**0.5920**	0.5609	0.8879	0.8879	0.4126	0.2108
SALAZAR VILLAGE	**0.5922**	0.5609	0.8978	0.8789	0.4126	0.2108

Community	DAI	Infrastructure	Affordability	Knowledge	Quality	Usage
RANCHO QUEMADO	**0.5922**	0.5609	0.9032	0.8736	0.4126	0.2108
BRASSO SECO VILLAGE	**0.5922**	0.5609	0.8804	0.8965	0.4126	0.2108
TURURE	**0.5923**	0.5609	0.8985	0.8785	0.4126	0.2108
ACONO VILLAGE	**0.5926**	0.5609	0.9090	0.8695	0.4126	0.2108
CAMBLETON	**0.5926**	0.5609	0.9032	0.8754	0.4126	0.2108
CHARLOTTEVILLE						
MOUNT PLEASANT	**0.5926**	0.5609	0.8670	0.9118	0.4126	0.2108
MARYS HILL	**0.5927**	0.5609	0.8866	0.8926	0.4126	0.2108
COROMANDEL	**0.5927**	0.5609	0.9088	0.8706	0.4126	0.2108
ZION HILL	**0.5928**	0.5609	0.8800	0.8997	0.4126	0.2108
TAMANA ROAD	**0.5929**	0.5609	0.8981	0.8822	0.4126	0.2108
BAMBOO VILLAGE	**0.5930**	0.5609	0.8915	0.8893	0.4126	0.2108
SIXTH COMPANY	**0.5931**	0.5609	0.8993	0.8817	0.4126	0.2108
ST. CLEMENTS	**0.5931**	0.5609	0.9032	0.8779	0.4126	0.2108
HERMITAGE	**0.5931**	0.5609	0.9067	0.8747	0.4126	0.2108
BRASSO CAPARO VILLAGE	**0.5933**	0.5609	0.9083	0.8739	0.4126	0.2108
NEVER DIRTY	**0.5933**	0.5609	0.8991	0.8831	0.4126	0.2108
PATNA VILLAGE	**0.5933**	0.5609	0.8898	0.8926	0.4126	0.2108
OROPOUCHE	**0.5934**	0.5609	0.9048	0.8778	0.4126	0.2108
GUARACARA	**0.5937**	0.5609	0.8885	0.8958	0.4126	0.2108
ST. MARYS VILLAGE	**0.5939**	0.5609	0.9076	0.8775	0.4126	0.2108
ROXBOROUGH	**0.5939**	0.5609	0.8779	0.9073	0.4126	0.2108
SALYBIA VILLAGE	**0.5939**	0.5609	0.8880	0.8972	0.4126	0.2108
WATER HOLE	**0.5939**	0.5609	0.9092	0.8760	0.4126	0.2108
BAGATELLE	**0.5940**	0.5609	0.9010	0.8845	0.4126	0.2108
KELLY VILLAGE	**0.5942**	0.5609	0.9090	0.8778	0.4126	0.2108
PETIT MORNE	**0.5942**	0.5609	0.9104	0.8766	0.4126	0.2108
GHEERAHOO	**0.5943**	0.5609	0.8922	0.8950	0.4126	0.2108
MUNDO NUEVO	**0.5943**	0.5609	0.8908	0.8965	0.4126	0.2108
ARGYLE KENDAL	**0.5943**	0.5609	0.8978	0.8896	0.4126	0.2108
CARAPO	**0.5944**	0.5609	0.8986	0.8891	0.4126	0.2108
SOBO VILLAGE	**0.5944**	0.5609	0.9056	0.8822	0.4126	0.2108
ORANGE VALLEY	**0.5944**	0.5609	0.9070	0.8810	0.4126	0.2108
LOPINOT VILLAGE	**0.5945**	0.5609	0.8985	0.8897	0.4126	0.2108
FELICITY HALL	**0.5946**	0.5609	0.8332	0.9556	0.4126	0.2108
MOUNT ST. BENEDICT	**0.5946**	0.5609	0.8884	0.9006	0.4126	0.2108
BELLE GARDENS	**0.5947**	0.5609	0.9103	0.8791	0.4126	0.2108
BROTHERS ROAD	**0.5948**	0.5609	0.9106	0.8793	0.4126	0.2108
FOUR ROADS - TAMANA	**0.5948**	0.5609	0.8930	0.8969	0.4126	0.2108
MANZANILLA	**0.5949**	0.5609	0.9058	0.8844	0.4126	0.2108
DIBE/BELLE VUE	**0.5950**	0.5609	0.9085	0.8825	0.4126	0.2108
MARACAS	**0.5951**	0.5609	0.8945	0.8966	0.4126	0.2108
IERE VILLAGE	**0.5951**	0.5609	0.9060	0.8851	0.4126	0.2108
LAS CUEVAS	**0.5951**	0.5609	0.9003	0.8911	0.4126	0.2108
EASTERN QUARRY	**0.5952**	0.5609	0.9022	0.8893	0.4126	0.2108
LOS BAJOS	**0.5954**	0.5609	0.8954	0.8971	0.4126	0.2108
TOCO	**0.5954**	0.5609	0.9017	0.8911	0.4126	0.2108
MORNE DIABLO	**0.5955**	0.5609	0.9028	0.8903	0.4126	0.2108
UPPER ST. JAMES	**0.5958**	0.5609	0.9112	0.8837	0.4126	0.2108
SIGNAL HILL PATIENCE HILL	**0.5959**	0.5609	0.9076	0.8876	0.4126	0.2108
BON JEAN	**0.5959**	0.5609	0.9048	0.8904	0.4126	0.2108

Community	DAI	Infrastructure	Affordability	Knowledge	Quality	Usage
NORTH MANZANILLA	**0.5960**	0.5609	0.8923	0.9035	0.4126	0.2108
EAST PORT OF SPAIN	**0.5961**	0.5609	0.9057	0.8903	0.4126	0.2108
HEIGHTS OF GUANAPO	**0.5962**	0.5609	0.9028	0.8938	0.4126	0.2108
SANGRE CHIQUITO	**0.5962**	0.5609	0.9113	0.8852	0.4126	0.2108
ST. CHARLES VILLAGE	**0.5962**	0.5609	0.9113	0.8856	0.4126	0.2108
NORTH POST	**0.5964**	0.5609	0.8614	0.9362	0.4126	0.2108
MATILDA	**0.5967**	0.5609	0.9044	0.8948	0.4126	0.2108
PARLATUVIER	**0.5968**	0.5609	0.9018	0.8980	0.4126	0.2108
FREDERICK SETTLEMENT	**0.5969**	0.5609	0.9040	0.8964	0.4126	0.2108
ANGLAIS SETTLEMENT	**0.5970**	0.5609	0.8763	0.9245	0.4126	0.2108
CLEGHORN AND MT. PLEASANT	**0.5971**	0.5609	0.9072	0.8943	0.4126	0.2108
ST. MARYS VILLAGE	**0.5975**	0.5609	0.9042	0.8988	0.4126	0.2108
PEYTONVILLE	**0.5975**	0.5609	0.8887	0.9146	0.4126	0.2108
MAYO	**0.5981**	0.5609	0.9113	0.8949	0.4126	0.2108
GOODWOOD	**0.5983**	0.5609	0.9088	0.8985	0.4126	0.2108
SISTERS VILLAGE	**0.5990**	0.5609	0.9073	0.9035	0.4126	0.2108
NANCOO VILLAGE	**0.5991**	0.5959	0.9274	0.8319	0.4034	0.2369
FEBEAU VILLAGE	**0.5993**	0.5609	0.9072	0.9052	0.4126	0.2108
FORRES PARK	**0.5994**	0.5609	0.9072	0.9053	0.4126	0.2108
BRASSO MANUEL JUNCTION	**0.5994**	0.5959	0.9261	0.8346	0.4034	0.2369
VANCE RIVER	**0.5994**	0.5609	0.9091	0.9038	0.4126	0.2108
HOWSEN VILLAGE	**0.5994**	0.5609	0.9013	0.9116	0.4126	0.2108
BRICKFIELD	**0.5995**	0.5609	0.9112	0.9019	0.4126	0.2108
PEMBROKE	**0.5997**	0.5609	0.9046	0.9097	0.4126	0.2108
MALICK	**0.5997**	0.5609	0.9101	0.9044	0.4126	0.2108
SAUT DEAU	**0.6005**	0.5609	0.9105	0.9080	0.4126	0.2108
CALVARY HILL	**0.6007**	0.5609	0.8919	0.9274	0.4126	0.2108
CARNBEE PATIENCE HILL	**0.6008**	0.5609	0.9008	0.9189	0.4126	0.2108
FARNUM VILLAGE	**0.6010**	0.5609	0.9104	0.9103	0.4126	0.2108
MORA SETTLEMENT	**0.6012**	0.5609	0.9054	0.9161	0.4126	0.2108
MALGRETOUTE	**0.6014**	0.5609	0.9106	0.9122	0.4126	0.2108
CUNARIPO	**0.6016**	0.5609	0.9094	0.9144	0.4126	0.2108
SAN FRANCIQUE	**0.6018**	0.5609	0.9102	0.9144	0.4126	0.2108
FIVE RIVERS	**0.6019**	0.5959	0.9259	0.8473	0.4034	0.2369
ARNOS VALE	**0.6023**	0.5609	0.8979	0.9291	0.4126	0.2108
TULSA VILLAGE	**0.6027**	0.5609	0.9049	0.9241	0.4126	0.2108
COAL MINE	**0.6029**	0.5609	0.9058	0.9243	0.4126	0.2108
GUAYAGUAYARE	**0.6034**	0.5959	0.9261	0.8549	0.4034	0.2369
ESPERANZA	**0.6039**	0.5959	0.9253	0.8580	0.4034	0.2369
MACAULAY	**0.6043**	0.5959	0.9279	0.8573	0.4034	0.2369
CASTARA	**0.6046**	0.5609	0.9061	0.9327	0.4126	0.2108
LANSE MITAN'	**0.6053**	0.5609	0.9070	0.9352	0.4126	0.2108
LA SEIVA VILLAGE	**0.6054**	0.5959	0.9258	0.8651	0.4034	0.2369
LANSE NOIR'	**0.6057**	0.5609	0.8964	0.9477	0.4126	0.2108
ARENA	**0.6058**	0.5959	0.9280	0.8650	0.4034	0.2369
MADRAS SETTLEMENT	**0.6061**	0.5959	0.9280	0.8662	0.4034	0.2369
LA PAILLE VILLAGE	**0.6062**	0.5959	0.9255	0.8693	0.4034	0.2369
CHASE VILLAGE	**0.6068**	0.5959	0.9277	0.8699	0.4034	0.2369
COCHRANE	**0.6070**	0.5594	0.9224	0.8332	0.4202	0.3001
WATERLOO	**0.6072**	0.5959	0.9282	0.8714	0.4034	0.2369

Community	DAI	Infrastructure	Affordability	Knowledge	Quality	Usage
PIPARO	**0.6078**	0.5594	0.9232	0.8364	0.4202	0.3001
TUMPUNA ROAD	**0.6080**	0.5959	0.9279	0.8761	0.4034	0.2369
PEPPER VILLAGE	**0.6082**	0.5959	0.9277	0.8772	0.4034	0.2369
RAVINE SABLE	**0.6083**	0.5959	0.9293	0.8760	0.4034	0.2369
PHOENIX PARK	**0.6087**	0.5959	0.9261	0.8812	0.4034	0.2369
BROADWAY	**0.6088**	0.5609	0.9016	0.9580	0.4126	0.2108
CARLSEN FIELD	**0.6093**	0.5609	0.9047	0.9576	0.4126	0.2108
CALCUTTA ROAD NO.2	**0.6096**	0.5959	0.9280	0.8836	0.4034	0.2369
ARIMA HEIGHTS/TEMPLE VILLAGE	**0.6098**	0.5831	0.9139	0.7989	0.4102	0.3428
BONNE AVENTURE	**0.6099**	0.5959	0.9275	0.8857	0.4034	0.2369
BEJUCAL	**0.6102**	0.5959	0.9297	0.8853	0.4034	0.2369
FYZABAD	**0.6106**	0.5959	0.9252	0.8916	0.4034	0.2369
ST. JOHN	**0.6108**	0.5594	0.9242	0.8503	0.4202	0.3001
MOUNT GRACE	**0.6110**	0.5959	0.9277	0.8912	0.4034	0.2369
SYNE VILLAGE	**0.6112**	0.5959	0.9282	0.8916	0.4034	0.2369
ST. HELENA VILLAGE	**0.6114**	0.5594	0.9243	0.8529	0.4202	0.3001
CAIGUAL	**0.6115**	0.5959	0.9277	0.8937	0.4034	0.2369
CAURA	**0.6116**	0.5959	0.9254	0.8967	0.4034	0.2369
BUCCOO CORAL GARDENS	**0.6119**	0.5959	0.9258	0.8975	0.4034	0.2369
DIAMOND	**0.6122**	0.5959	0.9264	0.8986	0.4034	0.2369
LA RUFFIN	**0.6124**	0.5959	0.9277	0.8982	0.4034	0.2369
CHARLIEVILLE	**0.6131**	0.5959	0.9278	0.9016	0.4034	0.2369
SAMAROO VILLAGE	**0.6132**	0.5959	0.9291	0.9006	0.4034	0.2369
ERIN/BUENOS AYRES	**0.6133**	0.5609	0.9090	0.9735	0.4126	0.2108
MUNROE SETTLEMENT	**0.6135**	0.5594	0.9250	0.8627	0.4202	0.3001
MOUNT DOR	**0.6135**	0.5959	0.9279	0.9035	0.4034	0.2369
BROOMAGE	**0.6136**	0.5959	0.9289	0.9028	0.4034	0.2369
PARAMIN	**0.6138**	0.5609	0.9045	0.9802	0.4126	0.2108
FANNY VILLAGE	**0.6140**	0.5959	0.9259	0.9081	0.4034	0.2369
LUCY VALE	**0.6140**	0.5609	0.9070	0.9790	0.4126	0.2108
BORDE NARVE	**0.6141**	0.5594	0.9231	0.8676	0.4202	0.3001
EGYPT VILLAGE	**0.6141**	0.5959	0.9270	0.9075	0.4034	0.2369
BUTLER VILLAGE	**0.6142**	0.5594	0.9241	0.8673	0.4202	0.3001
MASON HALL	**0.6145**	0.5959	0.9265	0.9098	0.4034	0.2369
WELLINGTON	**0.6145**	0.5594	0.9228	0.8701	0.4202	0.3001
DOW VILLAGE	**0.6146**	0.5959	0.9258	0.9108	0.4034	0.2369
Guapo	**0.6146**	0.5959	0.9267	0.9102	0.4034	0.2369
WARREN VILLAGE	**0.6147**	0.5594	0.9237	0.8703	0.4202	0.3001
BENNET VILLAGE	**0.6151**	0.5959	0.9290	0.9104	0.4034	0.2369
GUAICO	**0.6156**	0.5959	0.9278	0.9141	0.4034	0.2369
COROSAL	**0.6159**	0.5594	0.9225	0.8774	0.4202	0.3001
CUNUPIA	**0.6159**	0.5594	0.9244	0.8755	0.4202	0.3001
GONZALES	**0.6162**	0.5594	0.9237	0.8777	0.4202	0.3001
HARRIS VILLAGE	**0.6164**	0.5959	0.9270	0.9186	0.4034	0.2369
APEX OIL FIELD	**0.6165**	0.5594	0.9244	0.8782	0.4202	0.3001
LORENSOTTE	**0.6167**	0.5609	0.9054	0.9938	0.4126	0.2108
LA FORTUNE	**0.6169**	0.5594	0.9226	0.8822	0.4202	0.3001
SIMEON ROAD	**0.6171**	0.5594	0.9235	0.8823	0.4202	0.3001
CAP DE VILLE	**0.6172**	0.5594	0.9228	0.8835	0.4202	0.3001
Patience Hill	**0.6184**	0.5594	0.9233	0.8891	0.4202	0.3001

Community	DAI	Infrastructure	Affordability	Knowledge	Quality	Usage
VESSIGNY	**0.6188**	0.5594	0.9243	0.8900	0.4202	0.3001
SUM SUM HILL	**0.6188**	0.5594	0.9226	0.8917	0.4202	0.3001
SOCONUSCO	**0.6196**	0.5594	0.9224	0.8960	0.4202	0.3001
SIPARIA	**0.6201**	0.5594	0.9236	0.8972	0.4202	0.3001
LA ROMAIN	**0.6206**	0.5594	0.9238	0.8996	0.4202	0.3001
BRASSO TAMANA	**0.6208**	0.5831	0.9141	0.8538	0.4102	0.3428
ST. JULIEN	**0.6208**	0.5831	0.9129	0.8552	0.4102	0.3428
CHANDERNAGORE	**0.6210**	0.5959	0.9254	0.9433	0.4034	0.2369
BEACH CAMP	**0.6212**	0.5594	0.9247	0.9019	0.4202	0.3001
MOUNT ST GEORGE	**0.6217**	0.5831	0.9123	0.8600	0.4102	0.3428
SHERWOOD PARK	**0.6217**	0.5831	0.9122	0.8604	0.4102	0.3428
KANDAHAR	**0.6219**	0.5594	0.9246	0.9051	0.4202	0.3001
BOIS BOUGH	**0.6219**	0.5594	0.9240	0.9060	0.4202	0.3001
LENGUA	**0.6222**	0.5831	0.9138	0.8611	0.4102	0.3428
VILLAGE/BARRACKPORE CARAPICHAIMA	**0.6223**	0.5594	0.9225	0.9093	0.4202	0.3001
ORANGE HILL	**0.6226**	0.5594	0.9243	0.9093	0.4202	0.3001
PENAL ROCK ROAD	**0.6227**	0.5831	0.9123	0.8649	0.4102	0.3428
MOUNT PLEASANT	**0.6228**	0.5594	0.9230	0.9116	0.4202	0.3001
ST. AUGUSTINE SOUTH	**0.6231**	0.5889	0.9177	0.8579	0.4073	0.3438
UNION VILLAGE	**0.6231**	0.5889	0.9176	0.8580	0.4073	0.3438
INDIAN TRAIL	**0.6232**	0.5831	0.9136	0.8661	0.4102	0.3428
PALMYRA	**0.6234**	0.5959	0.9274	0.9533	0.4034	0.2369
INDUSTRIAL ESTATE	**0.6235**	0.5889	0.9169	0.8606	0.4073	0.3438
DEBE PROPER	**0.6239**	0.5889	0.9173	0.8624	0.4073	0.3438
Maracas St Joseph	**0.6240**	0.5831	0.9137	0.8700	0.4102	0.3428
LA CANOA	**0.6240**	0.5594	0.9232	0.9173	0.4202	0.3001
GRANVILLE	**0.6242**	0.5889	0.9173	0.8638	0.4073	0.3438
VALENCIA	**0.6245**	0.5831	0.9131	0.8734	0.4102	0.3428
PETIT CURUCAYE	**0.6247**	0.5831	0.9140	0.8734	0.4102	0.3428
BEN LOMOND	**0.6247**	0.5889	0.9172	0.8664	0.4073	0.3438
PICTON	**0.6247**	0.5889	0.9171	0.8666	0.4073	0.3438
MAMORAL NO.2	**0.6248**	0.5831	0.9134	0.8745	0.4102	0.3428
EMBACADERE	**0.6248**	0.5889	0.9175	0.8667	0.4073	0.3438
LENGUA VILLAGE	**0.6252**	0.5889	0.9170	0.8688	0.4073	0.3438
ERIN PROPER	**0.6253**	0.5831	0.9118	0.8788	0.4102	0.3428
MAFEKING	**0.6254**	0.5831	0.9138	0.8770	0.4102	0.3428
BETSY HOPE	**0.6255**	0.5594	0.9235	0.9242	0.4202	0.3001
BELMONT	**0.6257**	0.5594	0.9250	0.9241	0.4202	0.3001
FONROSE VILLAGE	**0.6258**	0.5889	0.9172	0.8720	0.4073	0.3438
ST. BARBS	**0.6258**	0.5831	0.9116	0.8815	0.4102	0.3428
SUDAMA VILLAGE	**0.6259**	0.5831	0.9133	0.8802	0.4102	0.3428
KUMAR VILLAGE	**0.6259**	0.5831	0.9138	0.8798	0.4102	0.3428
MARACAS BAY	**0.6261**	0.5889	0.9171	0.8735	0.4073	0.3438
PARFORCE	**0.6264**	0.5889	0.9179	0.8741	0.4073	0.3438
OUPLAY VILLAGE	**0.6265**	0.5889	0.9173	0.8754	0.4073	0.3438
MAHOE	**0.6268**	0.5889	0.9173	0.8768	0.4073	0.3438
Navet	**0.6271**	0.5519	0.9480	0.8848	0.4034	0.3472
OROPUNA VILLAGE/PIARCO	**0.6276**	0.5889	0.9171	0.8809	0.4073	0.3438
RIO CLARO	**0.6278**	0.5889	0.9170	0.8821	0.4073	0.3438
BRASSO VENADO	**0.6279**	0.5831	0.9125	0.8910	0.4102	0.3428

Community	DAI	Infrastructure	Affordability	Knowledge	Quality	Usage
CONCORDIA	**0.6281**	0.5831	0.9136	0.8908	0.4102	0.3428
LENDORE VILLAGE	**0.6284**	0.5831	0.9141	0.8918	0.4102	0.3428
Sangre Grande	**0.6284**	0.5889	0.9173	0.8849	0.4073	0.3438
COALMINE	**0.6289**	0.5594	0.9224	0.9423	0.4202	0.3001
NEW VILLAGE	**0.6294**	0.5889	0.9180	0.8891	0.4073	0.3438
Bethlehem	**0.6298**	0.6128	0.9161	0.8414	0.4034	0.3751
SANTA FLORA	**0.6306**	0.5831	0.9117	0.9049	0.4102	0.3428
UPPER BELMONT	**0.6307**	0.5831	0.9132	0.9041	0.4102	0.3428
MARIE ROAD	**0.6309**	0.5831	0.9120	0.9062	0.4102	0.3428
POINT LIGOURE	**0.6311**	0.5831	0.9120	0.9075	0.4102	0.3428
WADDLE VILLAGE	**0.6314**	0.5889	0.9177	0.8994	0.4073	0.3438
DELHI SETTLEMENT	**0.6326**	0.5831	0.9141	0.9125	0.4102	0.3428
CLAXTON BAY	**0.6328**	0.5889	0.9173	0.9068	0.4073	0.3438
RED HILL	**0.6331**	0.6128	0.9161	0.8579	0.4034	0.3751
CAPARO	**0.6334**	0.5889	0.9176	0.9094	0.4073	0.3438
LAS LOMAS (NOS. 1 & 2)	**0.6341**	0.5831	0.9132	0.9214	0.4102	0.3428
TAROUBA	**0.6350**	0.5909	0.9214	0.8397	0.4594	0.3634
CEDROS	**0.6356**	0.6128	0.9154	0.8711	0.4034	0.3751
TOP HILL	**0.6360**	0.6128	0.9154	0.8734	0.4034	0.3751
HOPE FARM JOHN DIAL	**0.6364**	0.5594	0.9229	0.9793	0.4202	0.3001
LA FORTUNE/PLUCK	**0.6366**	0.5831	0.9139	0.9331	0.4102	0.3428
BATCHYIA VILLAGE	**0.6367**	0.5909	0.9219	0.8477	0.4594	0.3634
SPRING VILLAGE	**0.6385**	0.6128	0.9158	0.8856	0.4034	0.3751
QUARRY VILLAGE	**0.6388**	0.6128	0.9154	0.8870	0.4034	0.3751
Longdenville	**0.6394**	0.5909	0.9214	0.8621	0.4594	0.3634
ERIC WILLIAMS MEDICAL SCIENCES COMPLEX	**0.6407**	0.5909	0.9213	0.8683	0.4594	0.3634
HARMONY HALL	**0.6420**	0.5831	0.9126	0.9611	0.4102	0.3428
MORIAH	**0.6423**	0.5909	0.9212	0.8764	0.4594	0.3634
GREEN HILL VILLAGE	**0.6428**	0.5909	0.9221	0.8784	0.4594	0.3634
MISSION	**0.6432**	0.6128	0.9161	0.9085	0.4034	0.3751
JORDAN VILLAGE	**0.6435**	0.5909	0.9219	0.8819	0.4594	0.3634
PARRY LANDS SOUTH	**0.6439**	0.6128	0.9161	0.9121	0.4034	0.3751
SAN RAPHAEL/BRAZIL	**0.6443**	0.5909	0.9216	0.8862	0.4594	0.3634
BLUE BASIN	**0.6448**	0.5889	0.9177	0.9662	0.4073	0.3438
RICH PLAIN	**0.6461**	0.5909	0.9221	0.8948	0.4594	0.3634
TALPARO	**0.6475**	0.6128	0.9159	0.9301	0.4034	0.3751
THICK VILLAGE	**0.6480**	0.5909	0.9211	0.9053	0.4594	0.3634
PLYMOUTH	**0.6568**	0.6474	0.9327	0.8493	0.4622	0.3922
USINE STE. MADELEINE	**0.6576**	0.6474	0.9307	0.8558	0.4622	0.3922
HERMITAGE VILLAGE	**0.6591**	0.6039	0.9206	0.8421	0.5133	0.4157
CANAAN	**0.6592**	0.6474	0.9332	0.8611	0.4622	0.3922
ST. MARYS VILLAGE	**0.6592**	0.6474	0.9311	0.8633	0.4622	0.3922
MARABELLA	**0.6593**	0.6474	0.9343	0.8607	0.4622	0.3922
EASTERFIELD	**0.6597**	0.6474	0.9349	0.8618	0.4622	0.3922
LA HORQUETTA	**0.6601**	0.6474	0.9313	0.8675	0.4622	0.3922
FRIENDSHIP	**0.6620**	0.6474	0.9300	0.8782	0.4622	0.3922
Mc BEAN	**0.6622**	0.6474	0.9332	0.8762	0.4622	0.3922
GRAND LAGOON	**0.6623**	0.6474	0.9333	0.8762	0.4622	0.3922
Jerningham Jcn	**0.6623**	0.6474	0.9328	0.8772	0.4622	0.3922
ROUSILLAC	**0.6624**	0.6039	0.9207	0.8582	0.5133	0.4157

Community	DAI	Infrastructure	Affordability	Knowledge	Quality	Usage
DINSLEY	**0.6625**	0.6474	0.9331	0.8779	0.4622	0.3922
ECCLES VILLAGE	**0.6628**	0.6474	0.9305	0.8818	0.4622	0.3922
MONTROSE VILLAGE	**0.6630**	0.6474	0.9331	0.8801	0.4622	0.3922
GASPARILLO	**0.6630**	0.6474	0.9321	0.8813	0.4622	0.3922
AVOCAT VILLAGE	**0.6631**	0.6474	0.9316	0.8821	0.4622	0.3922
AGOSTINI VILLAGE	**0.6631**	0.6474	0.9334	0.8806	0.4622	0.3922
PETIT BOURG	**0.6632**	0.6474	0.9347	0.8795	0.4622	0.3922
TECHIER VILLAGE	**0.6636**	0.6474	0.9334	0.8828	0.4622	0.3922
ST. MARGARET	**0.6636**	0.6474	0.9338	0.8827	0.4622	0.3922
ARANGUEZ	**0.6637**	0.6039	0.9211	0.8645	0.5133	0.4157
PETERSFIELD	**0.6638**	0.6474	0.9302	0.8870	0.4622	0.3922
WHITE LAND	**0.6642**	0.6474	0.9324	0.8870	0.4622	0.3922
CHARLO VILLAGE	**0.6642**	0.6039	0.9201	0.8681	0.5133	0.4157
FREEPORT	**0.6643**	0.6474	0.9320	0.8880	0.4622	0.3922
STE. MADELEINE	**0.6644**	0.6039	0.9207	0.8684	0.5133	0.4157
AROUCA	**0.6644**	0.6474	0.9319	0.8885	0.4622	0.3922
CHIN CHIN	**0.6647**	0.6474	0.9312	0.8904	0.4622	0.3922
TABAQUITE	**0.6653**	0.6071	0.9163	0.8819	0.5209	0.4001
HOPE BHENHEIM	**0.6655**	0.6474	0.9329	0.8927	0.4622	0.3922
DIAMOND	**0.6655**	0.6474	0.9343	0.8914	0.4622	0.3922
ST. ANDREWS VILLAGE	**0.6658**	0.6474	0.9343	0.8931	0.4622	0.3922
SPRINGLAND/SAN FABIAN	**0.6659**	0.6474	0.9319	0.8958	0.4622	0.3922
MATURITA	**0.6660**	0.6071	0.9162	0.8854	0.5209	0.4001
EL SOCORRO	**0.6660**	0.6474	0.9303	0.8981	0.4622	0.3922
CALCUTTA SETTLEMENT NO.2	**0.6662**	0.6039	0.9204	0.8775	0.5133	0.4157
OMEARA ROAD'	**0.6662**	0.6474	0.9314	0.8980	0.4622	0.3922
SAN JUAN	**0.6666**	0.6474	0.9314	0.8999	0.4622	0.3922
CANTARO VILLAGE	**0.6669**	0.6474	0.9309	0.9020	0.4622	0.3922
PALMISTE	**0.6670**	0.6039	0.9211	0.8811	0.5133	0.4157
POINT LISAS (NHA)	**0.6671**	0.6474	0.9333	0.9003	0.4622	0.3922
POWDER MAGAZINE	**0.6672**	0.6474	0.9326	0.9016	0.4622	0.3922
PREYSAL	**0.6674**	0.6474	0.9334	0.9020	0.4622	0.3922
CHICKLAND	**0.6675**	0.6039	0.9209	0.8839	0.5133	0.4157
ARIMA PROPER	**0.6677**	0.6474	0.9327	0.9042	0.4622	0.3922
ENTERPRISE	**0.6678**	0.6071	0.9164	0.8942	0.5209	0.4001
TUNAPUNA	**0.6679**	0.6474	0.9307	0.9070	0.4622	0.3922
PRINCES TOWN PROPER	**0.6679**	0.6039	0.9206	0.8860	0.5133	0.4157
LA MANGO VILLAGE	**0.6681**	0.6530	0.9181	0.7801	0.5096	0.4797
PENAL	**0.6682**	0.6039	0.9206	0.8873	0.5133	0.4157
MONKEY TOWN	**0.6683**	0.6039	0.9208	0.8878	0.5133	0.4157
PLEASANTVILLE	**0.6690**	0.6474	0.9309	0.9125	0.4622	0.3922
Maloney	**0.6694**	0.6039	0.9209	0.8935	0.5133	0.4157
DE GANNES VILLAGE	**0.6699**	0.6474	0.9317	0.9159	0.4622	0.3922
ST. CHARLES VILLAGE	**0.6699**	0.6670	0.9407	0.8641	0.4628	0.4150
Covigne	**0.6701**	0.6071	0.9163	0.9060	0.5209	0.4001
LOWER HILL SIDE	**0.6701**	0.6646	0.9404	0.8391	0.4938	0.4125
MON DESIR/SILVER STREAM	**0.6709**	0.6039	0.9199	0.9016	0.5133	0.4157
RAMBERT VILLAGE	**0.6710**	0.6670	0.9410	0.8690	0.4628	0.4150
LA PASTORA	**0.6723**	0.6670	0.9418	0.8752	0.4628	0.4150
WHIM	**0.6731**	0.6670	0.9428	0.8780	0.4628	0.4150

Community	DAI	Infrastructure	Affordability	Knowledge	Quality	Usage
CALDER HALL FRIENDSFIELD	**0.6744**	0.6670	0.9425	0.8849	0.4628	0.4150
MORUGA VILLAGE	**0.6758**	0.6646	0.9404	0.8675	0.4938	0.4125
FOUR ROADS	**0.6758**	0.6646	0.9399	0.8682	0.4938	0.4125
BAGATELLE	**0.6766**	0.6646	0.9399	0.8722	0.4938	0.4125
BALMAIN	**0.6767**	0.6670	0.9416	0.8970	0.4628	0.4150
DANNY VILLAGE	**0.6767**	0.6646	0.9405	0.8721	0.4938	0.4125
WARREN VILLAGE	**0.6767**	0.6071	0.9165	0.9388	0.5209	0.4001
ARIPERO VILLAGE	**0.6767**	0.6670	0.9420	0.8970	0.4628	0.4150
CANE FARM	**0.6770**	0.6474	0.9310	0.9520	0.4622	0.3922
LOWLANDS	**0.6771**	0.6670	0.9427	0.8983	0.4628	0.4150
REFORM VILLAGE	**0.6774**	0.6474	0.9340	0.9512	0.4622	0.3922
CHINESE VILLAGE	**0.6780**	0.6646	0.9403	0.8790	0.4938	0.4125
ST. THOMAS VILLAGE	**0.6782**	0.6670	0.9428	0.9033	0.4628	0.4150
CHAGUANAS PROPER	**0.6788**	0.6646	0.9396	0.8833	0.4938	0.4125
ENDEAVOUR VILLAGE	**0.6796**	0.6474	0.9307	0.9658	0.4622	0.3922
REST OF OFF-SHORE ISLANDS	**0.6797**	0.6646	0.9405	0.8874	0.4938	0.4125
GOLCONDA	**0.6803**	0.6646	0.9404	0.8902	0.4938	0.4125
Mon Repos	**0.6809**	0.6670	0.9411	0.9189	0.4628	0.4150
CARATAL	**0.6815**	0.6530	0.9197	0.8453	0.5096	0.4797
CEDAR HILL	**0.6815**	0.6530	0.9185	0.8468	0.5096	0.4797
MORVANT	**0.6820**	0.6530	0.9191	0.8486	0.5096	0.4797
CHATHAM	**0.6824**	0.6530	0.9198	0.8499	0.5096	0.4797
NEWLANDS	**0.6825**	0.6646	0.9406	0.9012	0.4938	0.4125
BONASSE VILLAGE	**0.6838**	0.6530	0.9188	0.8580	0.5096	0.4797
Bon Air	**0.6842**	0.6646	0.9402	0.9101	0.4938	0.4125
LES COTEAUX	**0.6857**	0.6530	0.9197	0.8665	0.5096	0.4797
PORT OF SPAIN PROPER	**0.6858**	0.6474	0.9348	0.9923	0.4622	0.3922
LAVENTILLE	**0.6862**	0.6530	0.9189	0.8697	0.5096	0.4797
LOTHIAN	**0.6865**	0.6530	0.9189	0.8713	0.5096	0.4797
CARONI VILLAGE	**0.6867**	0.6530	0.9194	0.8717	0.5096	0.4797
POONAH	**0.6868**	0.6530	0.9188	0.8731	0.5096	0.4797
MON DESIR	**0.6874**	0.6530	0.9181	0.8767	0.5096	0.4797
RADIX	**0.6892**	0.6530	0.9181	0.8857	0.5096	0.4797
BETHSEDA	**0.6895**	0.6530	0.9198	0.8852	0.5096	0.4797
FELICITY	**0.6896**	0.6530	0.9192	0.8867	0.5096	0.4797
California	**0.6897**	0.6530	0.9187	0.8875	0.5096	0.4797
MENDEZ VILLAGE	**0.6898**	0.6530	0.9193	0.8873	0.5096	0.4797
GRAN COUVA	**0.6906**	0.6530	0.9187	0.8917	0.5096	0.4797
NEW GRANT	**0.6910**	0.6530	0.9191	0.8937	0.5096	0.4797
LA BREA	**0.6921**	0.6530	0.9190	0.8991	0.5096	0.4797
LIBERTVILLE	**0.6923**	0.6530	0.9183	0.9011	0.5096	0.4797
ESMERALDA	**0.6938**	0.6530	0.9183	0.9082	0.5096	0.4797
CORINTH	**0.6964**	0.6530	0.9197	0.9198	0.5096	0.4797
GRAN CURUCAYE	**0.6966**	0.6530	0.9189	0.9219	0.5096	0.4797
ABYSINIA VILLAGE (OILFIELD AREA)	**0.6988**	0.7162	0.9454	0.8491	0.4934	0.4897
PHILLIPINES	**0.6995**	0.7162	0.9429	0.8551	0.4934	0.4897
Union Village	**0.7018**	0.7162	0.9446	0.8649	0.4934	0.4897
CARNBEE ALL FIELD TRACE	**0.7029**	0.7162	0.9449	0.8702	0.4934	0.4897
ST. JOSEPH VILLAGE	**0.7057**	0.7100	0.9150	0.8410	0.5337	0.5291

Community	DAI	Infrastructure	Affordability	Knowledge	Quality	Usage
ESPERANCE VILLAGE	**0.7062**	0.7162	0.9456	0.8863	0.4934	0.4897
FRIENDSHIP	**0.7063**	0.7162	0.9458	0.8861	0.4934	0.4897
BASTA HALL	**0.7068**	0.7100	0.9150	0.8462	0.5337	0.5291
CINNAMON HALL GOVT HOUSE	**0.7070**	0.7162	0.9460	0.8896	0.4934	0.4897
POINT DOR	**0.7072**	0.7162	0.9440	0.8929	0.4934	0.4897
POINT LISAS (PLIPDECO HOUSING)	**0.7081**	0.7162	0.9435	0.8978	0.4934	0.4897
MT. HOPE	**0.7095**	0.7162	0.9458	0.9022	0.4934	0.4897
UNION PARK	**0.7097**	0.7162	0.9436	0.9055	0.4934	0.4897
VISTABELLA	**0.7101**	0.7162	0.9442	0.9071	0.4934	0.4897
CORYAL VILLAGE	**0.7110**	0.7100	0.9150	0.8674	0.5337	0.5291
LA RESOURCE	**0.7116**	0.7162	0.9433	0.9154	0.4934	0.4897
GONZALES	**0.7122**	0.7100	0.9150	0.8731	0.5337	0.5291
ST JOHNS VILLAGE	**0.7123**	0.7100	0.9144	0.8741	0.5337	0.5291
COCOYEA VILLAGE	**0.7126**	0.7162	0.9461	0.9178	0.4934	0.4897
SHERWOOD PARK	**0.7128**	0.7162	0.9434	0.9214	0.4934	0.4897
TORTUGA	**0.7138**	0.7100	0.9151	0.8813	0.5337	0.5291
RIVERSDALE	**0.7148**	0.7100	0.9144	0.8866	0.5337	0.5291
GOLCONDA	**0.7158**	0.7162	0.9455	0.9340	0.4934	0.4897
PALMYRA VILLAGE/MT. STEWART	**0.7158**	0.7100	0.9153	0.8911	0.5337	0.5291
DOW VILLAGE	**0.7162**	0.7162	0.9445	0.9371	0.4934	0.4897
Macoya	**0.7164**	0.7100	0.9146	0.8945	0.5337	0.5291
GREEN ACRES	**0.7165**	0.7162	0.9463	0.9371	0.4934	0.4897
GEORGE VILLAGE	**0.7170**	0.7100	0.9148	0.8977	0.5337	0.5291
CUMUTO	**0.7191**	0.7100	0.9149	0.9080	0.5337	0.5291
EL SOCORRO EXTENSION	**0.7210**	0.7100	0.9153	0.9169	0.5337	0.5291
TODDS ROAD	**0.7212**	0.7100	0.9147	0.9184	0.5337	0.5291
SPRING VILLAGE	**0.7259**	0.7100	0.9153	0.9413	0.5337	0.5291
COCORITE	**0.7322**	0.6662	0.9365	0.8156	0.5657	0.6769
CARENAGE	**0.7380**	0.6662	0.9371	0.8440	0.5657	0.6769
BUCARRO	**0.7412**	0.6662	0.9378	0.8594	0.5657	0.6769
PLAISANCE PARK	**0.7428**	0.6662	0.9364	0.8689	0.5657	0.6769
LA PUERTA	**0.7429**	0.6662	0.9389	0.8665	0.5657	0.6769
MALABAR	**0.7429**	0.6662	0.9377	0.8680	0.5657	0.6769
CUREPE	**0.7432**	0.6662	0.9362	0.8710	0.5657	0.6769
MARAVAL PROPER	**0.7434**	0.6662	0.9359	0.8724	0.5657	0.6769
CLEAVER ROAD	**0.7443**	0.6662	0.9381	0.8743	0.5657	0.6769
PARADISE	**0.7444**	0.6662	0.9360	0.8773	0.5657	0.6769
IDLEWILD WHIM	**0.7452**	0.6662	0.9389	0.8782	0.5657	0.6769
RIVER ESTATE	**0.7458**	0.6662	0.9367	0.8834	0.5657	0.6769
TUMPUNA ROAD	**0.7461**	0.6662	0.9383	0.8835	0.5657	0.6769
OLTON ROAD	**0.7471**	0.6662	0.9391	0.8875	0.5657	0.6769
ST. JOSEPH	**0.7480**	0.6662	0.9384	0.8927	0.5657	0.6769
BEAU PRES	**0.7484**	0.6662	0.9375	0.8956	0.5657	0.6769
SCARBOROUGH	**0.7494**	0.6662	0.9367	0.9016	0.5657	0.6769
DARREL SPRING	**0.7496**	0.6662	0.9372	0.9020	0.5657	0.6769
CAMERON ROAD	**0.7498**	0.6662	0.9382	0.9020	0.5657	0.6769
BLACK ROCK	**0.7501**	0.6662	0.9361	0.9057	0.5657	0.6769
Couva Central	**0.7502**	0.6662	0.9387	0.9032	0.5657	0.6769

Community	DAI	Infrastructure	Affordability	Knowledge	Quality	Usage
DABADIE	**0.7502**	0.6662	0.9390	0.9034	0.5657	0.6769
BELMONT	**0.7503**	0.6662	0.9359	0.9066	0.5657	0.6769
BON ACCORD	**0.7511**	0.6662	0.9370	0.9094	0.5657	0.6769
BARATARIA	**0.7523**	0.6662	0.9387	0.9137	0.5657	0.6769
CITY PROPER	**0.7524**	0.6662	0.9371	0.9161	0.5657	0.6769
BRECHIN CASTLE	**0.7538**	0.7323	0.9545	0.8196	0.5390	0.7237
LA SEIVA	**0.7541**	0.7323	0.9566	0.8186	0.5390	0.7237
OLD GRANGE SOU LANDS	**0.7559**	0.7323	0.9514	0.8328	0.5390	0.7237
MT. IRVINE BLACK ROCK	**0.7591**	0.6662	0.9367	0.9500	0.5657	0.6769
MILFORD COURT PIGEON POINT	**0.7599**	0.7323	0.9558	0.8488	0.5390	0.7237
CROWN POINT	**0.7604**	0.7323	0.9549	0.8523	0.5390	0.7237
MAUSICA	**0.7612**	0.7323	0.9467	0.8640	0.5390	0.7237
BON AIR WEST DEVELOPMENT	**0.7616**	0.7323	0.9505	0.8623	0.5390	0.7237
EDINBURGH GARDENS	**0.7624**	0.7323	0.9565	0.8606	0.5390	0.7237
TACARIGUA	**0.7626**	0.7323	0.9522	0.8656	0.5390	0.7237
FOREST RESERVE	**0.7635**	0.7323	0.9572	0.8652	0.5390	0.7237
MARAJ LANDS	**0.7637**	0.7323	0.9616	0.8618	0.5390	0.7237
FAIRVIEW	**0.7641**	0.7323	0.9584	0.8670	0.5390	0.7237
CENTENO	**0.7655**	0.7323	0.9602	0.8724	0.5390	0.7237
LAMBEAU	**0.7658**	0.7323	0.9484	0.8853	0.5390	0.7237
CARIB HOMES	**0.7663**	0.7323	0.9501	0.8861	0.5390	0.7237
LES EFFORTS WEST	**0.7667**	0.7323	0.9478	0.8903	0.5390	0.7237
LES EFFORTS EAST	**0.7670**	0.7323	0.9480	0.8917	0.5390	0.7237
ST. LUCIEN ROAD	**0.7670**	0.7323	0.9537	0.8862	0.5390	0.7237
EDINBURGH 500	**0.7677**	0.7323	0.9562	0.8873	0.5390	0.7237
MOUNT MARIE	**0.7678**	0.7323	0.9487	0.8953	0.5390	0.7237
MT LAMBERT	**0.7684**	0.7323	0.9566	0.8904	0.5390	0.7237
SANTA CRUZ	**0.7684**	0.7323	0.9585	0.8886	0.5390	0.7237
CANAAN VILLAGE/PALMISTE	**0.7685**	0.7323	0.9592	0.8882	0.5390	0.7237
PETIT VALLEY	**0.7687**	0.7323	0.9586	0.8898	0.5390	0.7237
MT. PLEASANT	**0.7688**	0.7323	0.9485	0.9003	0.5390	0.7237
SPEYSIDE	**0.7689**	0.7323	0.9524	0.8970	0.5390	0.7237
SAM BOUCAUD	**0.7693**	0.7323	0.9617	0.8900	0.5390	0.7237
BOISSIERE	**0.7697**	0.7323	0.9604	0.8931	0.5390	0.7237
POINT CUMANA	**0.7700**	0.7323	0.9606	0.8945	0.5390	0.7237
ST. ANNS	**0.7700**	0.7323	0.9539	0.9013	0.5390	0.7237
POINT FORTIN PROPER	**0.7700**	0.7323	0.9483	0.9069	0.5390	0.7237
CASCADE	**0.7704**	0.7323	0.9611	0.8958	0.5390	0.7237
ST. JAMES	**0.7708**	0.7323	0.9479	0.9108	0.5390	0.7237
SPRING GARDEN SIGNAL HILL	**0.7708**	0.7323	0.9543	0.9047	0.5390	0.7237
LA BAJA	**0.7710**	0.7323	0.9578	0.9019	0.5390	0.7237
EL DORADO	**0.7710**	0.7323	0.9468	0.9131	0.5390	0.7237
Duncan Village	**0.7716**	0.7323	0.9481	0.9147	0.5390	0.7237
ST. JOSEPH VILLAGE	**0.7745**	0.7323	0.9473	0.9303	0.5390	0.7237
EDINBURGH VILLAGE	**0.7750**	0.7323	0.9475	0.9326	0.5390	0.7237
SARGEANT CAIN	**0.7750**	0.7323	0.9510	0.9292	0.5390	0.7237
DIEGO MARTIN PROPER	**0.7765**	0.7323	0.9575	0.9299	0.5390	0.7237
NEWTOWN	**0.7767**	0.7323	0.9599	0.9285	0.5390	0.7237

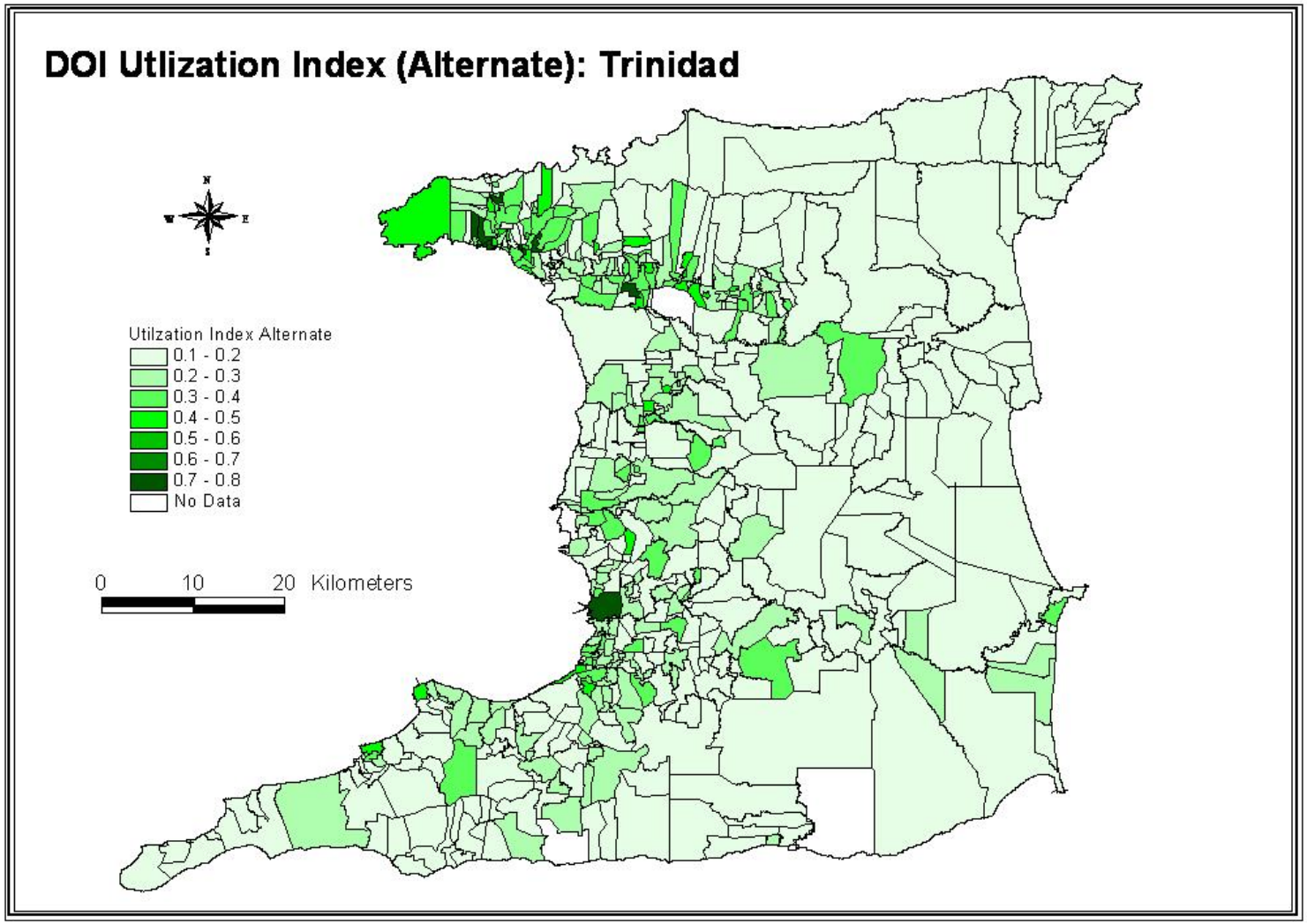
Community	DAI	Infrastructure	Affordability	Knowledge	Quality	Usage
WOODBROOK	**0.7778**	0.7323	0.9586	0.9355	0.5390	0.7237
SANTA ROSA HEIGHTS	**0.7802**	0.7323	0.9573	0.9487	0.5390	0.7237
ST. AUGUSTINE	**0.7814**	0.7323	0.9566	0.9554	0.5390	0.7237
CHAMP FLEURS	**0.7878**	0.7323	0.9490	0.9948	0.5390	0.7237
PORT OF SPAIN PORT AREA	**0.8077**	0.7991	0.9736	0.8021	0.6537	0.8102
GULF VIEW	**0.8106**	0.7991	0.9660	0.8238	0.6537	0.8102
NEVER DIRTY	**0.8190**	0.7991	0.9671	0.8649	0.6537	0.8102
PALMISTE	**0.8193**	0.7991	0.9696	0.8641	0.6537	0.8102
GLENCOE	**0.8200**	0.7991	0.9713	0.8657	0.6537	0.8102
BRIGHTON	**0.8216**	0.7991	0.9661	0.8791	0.6537	0.8102
SPRING VILLAGE	**0.8224**	0.7991	0.9634	0.8855	0.6537	0.8102
LOWER SANTA CRUZ	**0.8226**	0.7991	0.9739	0.8760	0.6537	0.8102
DIAMOND VALE	**0.8233**	0.7991	0.9633	0.8903	0.6537	0.8102
SANTA MARGARITA	**0.8237**	0.7991	0.9626	0.8931	0.6537	0.8102
FAIRWAYS	**0.8240**	0.7991	0.9700	0.8869	0.6537	0.8102
CHAGUARAMAS	**0.8241**	0.7991	0.9728	0.8845	0.6537	0.8102
HALELAND PARK/MOKA	**0.8244**	0.7991	0.9664	0.8924	0.6537	0.8102
ELLERSLIE PARK	**0.8246**	0.7991	0.9703	0.8897	0.6537	0.8102
PARADISE GARDENS	**0.8247**	0.7991	0.9659	0.8945	0.6537	0.8102
HOMELAND GARDENS	**0.8251**	0.7991	0.9674	0.8950	0.6537	0.8102
REAL SPRINGS	**0.8255**	0.7991	0.9674	0.8971	0.6537	0.8102
LA FLORISANTE	**0.8259**	0.7991	0.9675	0.8991	0.6537	0.8102
DINSLEY/TRINCITY	**0.8286**	0.7991	0.9650	0.9149	0.6537	0.8102
CLIFTON HILL	**0.8288**	0.7991	0.9740	0.9070	0.6537	0.8102
BACOLET	**0.8311**	0.7991	0.9752	0.9173	0.6537	0.8102
VICTORIA GARDENS	**0.8353**	0.7991	0.9699	0.9438	0.6537	0.8102
LANGE PARK	**0.8356**	0.7991	0.9648	0.9502	0.6537	0.8102
ST. CLAIR	**0.8386**	0.7991	0.9657	0.9642	0.6537	0.8102
Trincity	**0.8401**	0.7991	0.9697	0.9680	0.6537	0.8102
FORT GEORGE	**0.8408**	0.7991	0.9630	0.9778	0.6537	0.8102
ALYCE GLEN	**0.8445**	0.7991	0.9709	0.9885	0.6537	0.8102
VALLEY VIEW	**0.8445**	0.7991	0.9711	0.9885	0.6537	0.8102
TRINTOC (POINTE A PIERRE)	**0.8777**	0.7630	0.9766	0.8742	0.9034	0.8715
LA HORQUETTE	**0.8785**	0.7630	0.9753	0.8794	0.9034	0.8715
FEDERATION PARK	**0.8791**	0.7630	0.9762	0.8813	0.9034	0.8715
GOODWOOD GARDENS	**0.8794**	0.7630	0.9797	0.8794	0.9034	0.8715
LONG CIRCULAR	**0.8821**	0.7630	0.9838	0.8891	0.9034	0.8715
BLUE RANGE	**0.8839**	0.7630	0.9760	0.9056	0.9034	0.8715
LADY CHANCELLOR	**0.8872**	0.7630	0.9802	0.9179	0.9034	0.8715
BAYSHORE	**0.8936**	0.7630	0.9778	0.9526	0.9034	0.8715
Westmoorings	**0.8950**	0.7630	0.9792	0.9581	0.9034	0.8715
VALSAYN	**0.8978**	0.7630	0.9776	0.9737	0.9034	0.8715

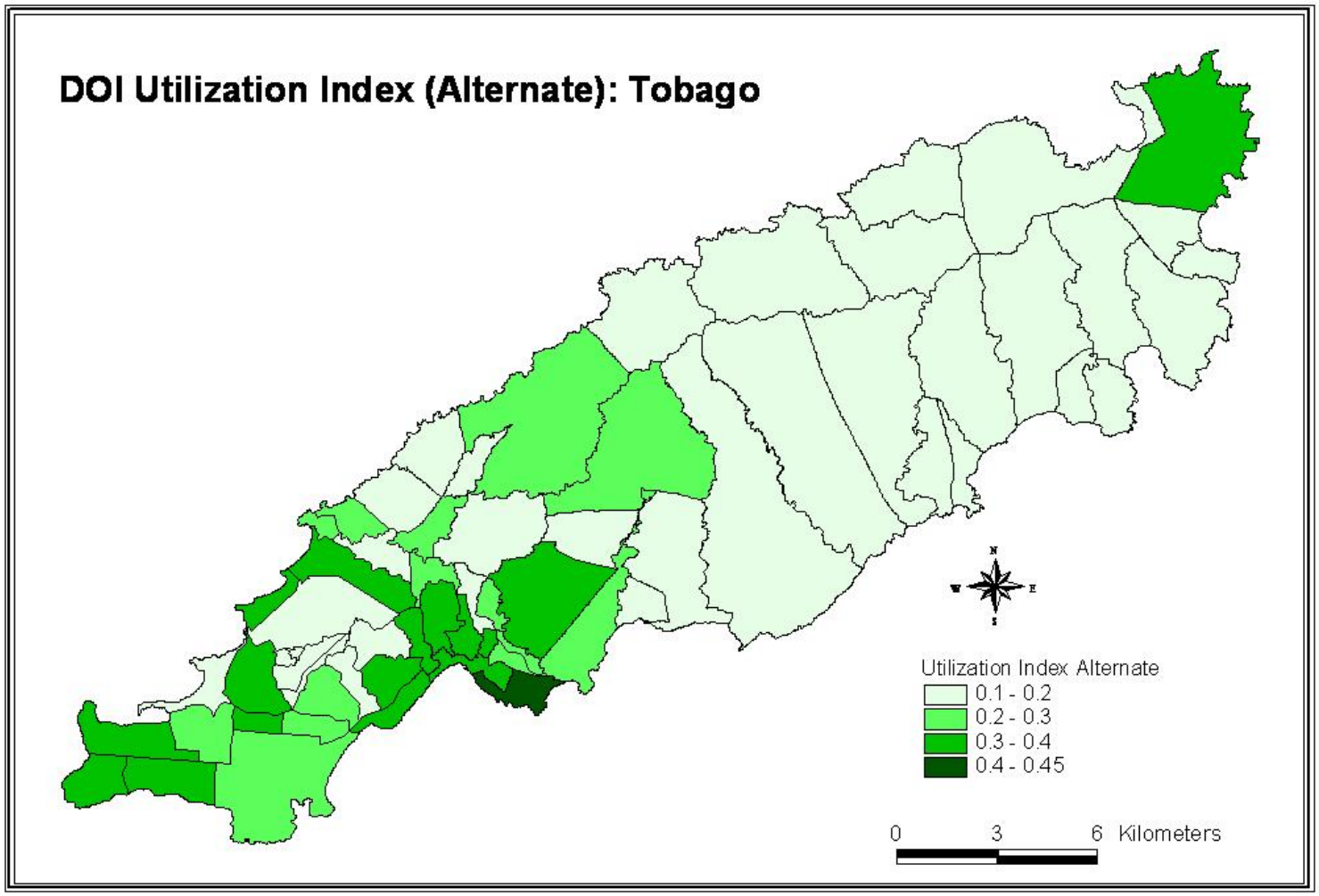
Appendix 7
Maps of Trinidad and Tobago showing distribution of DOI and DAI Indices

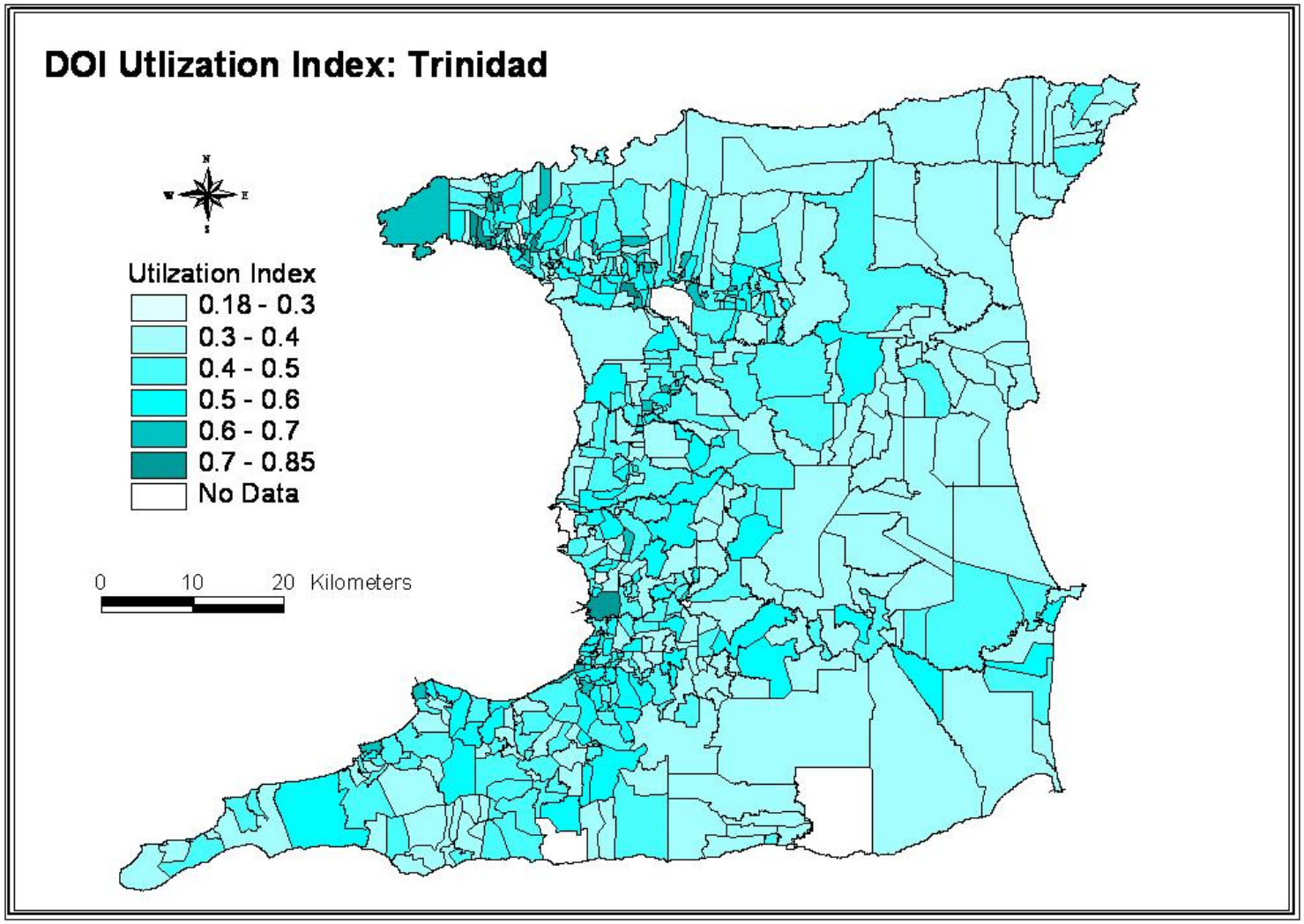
DOI (Alternate) Trinidad
DOI Trinidad
DAI Trinidad
DOI (Alternate) Tobago
DOI Tobago
DAI Tobago

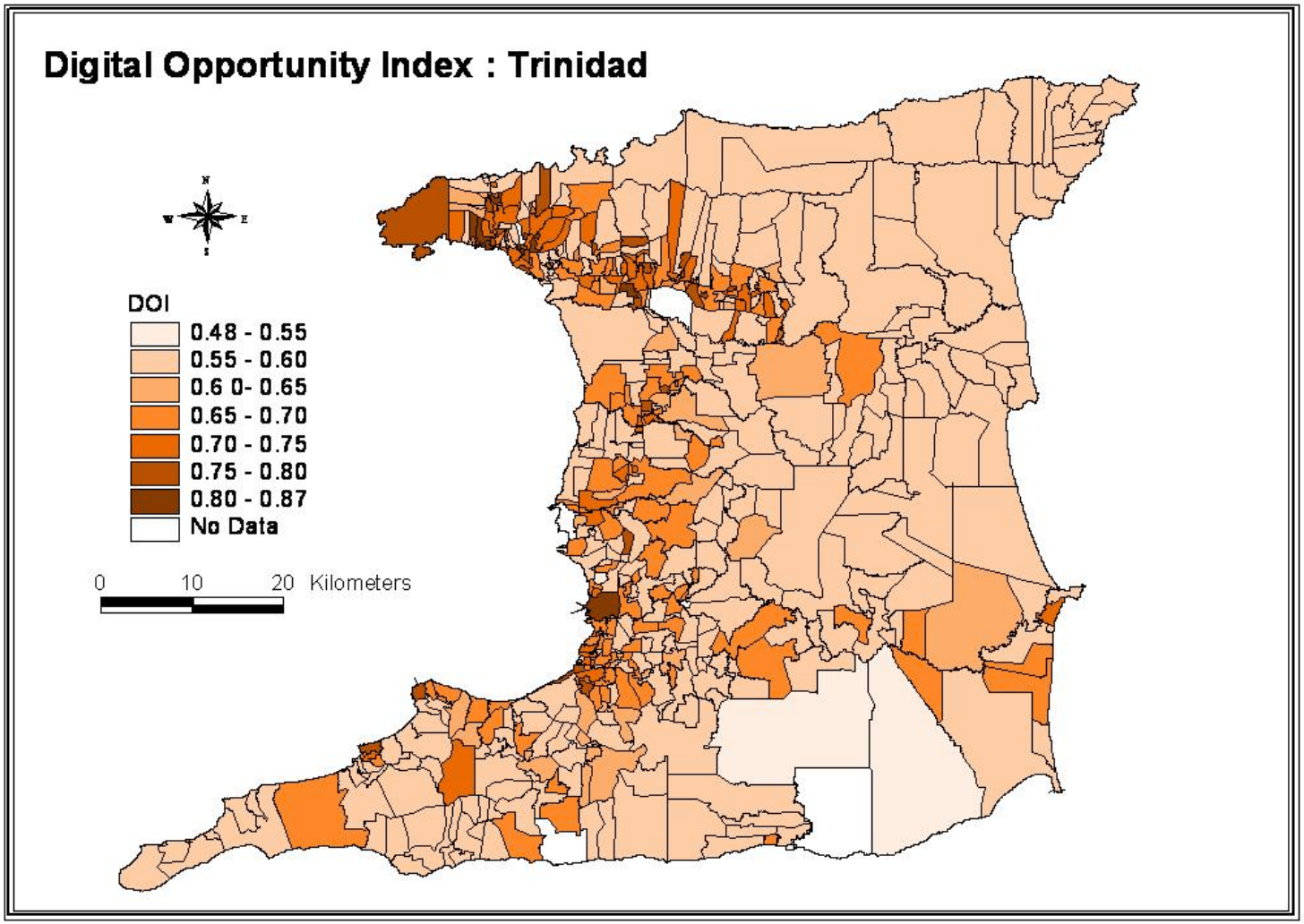
Appendix 8
Maps of Trinidad and Tobago showing distribution of DOI and DAI Indicators

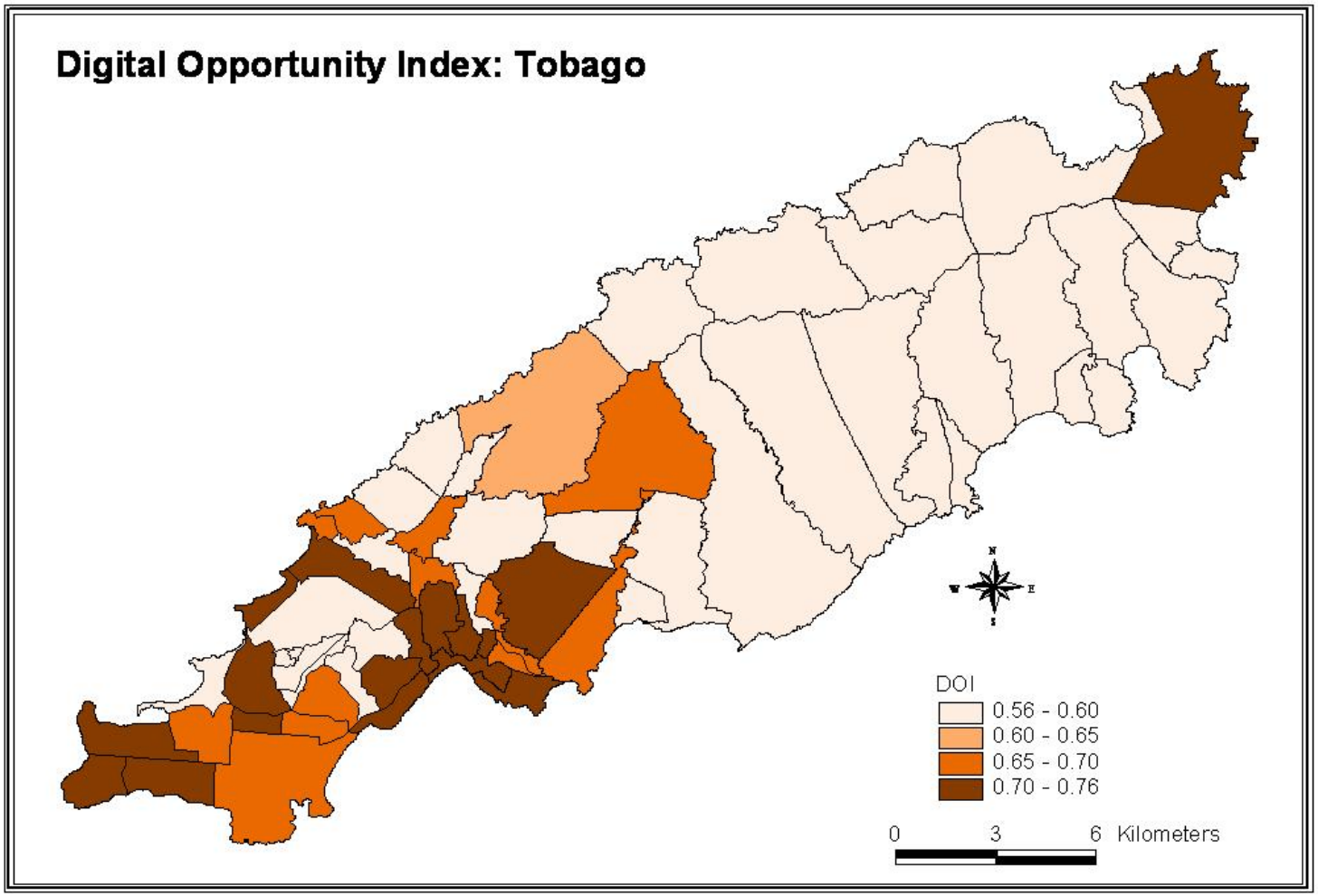
DOI Opportunity Trinidad
DOI Infrastructure Trinidad
DOI Utilization (Alternate) Trinidad
DOI Utilization Trinidad
DOI Opportunity Tobago
DOI Infrastructure Tobago
DOI Utilization (Alternate) Tobago
DOI Utilization Tobago
DAI Infrastructure Trinidad
DAI Affordability Trinidad
DAI Knowledge Trinidad
DAI Quality Trinidad
DAI Usage Trinidad
DAI Infrastructure Tobago
DAI Affordability Tobago
DAI Knowledge Tobago
DAI Quality Tobago
DAI Usage Tobago

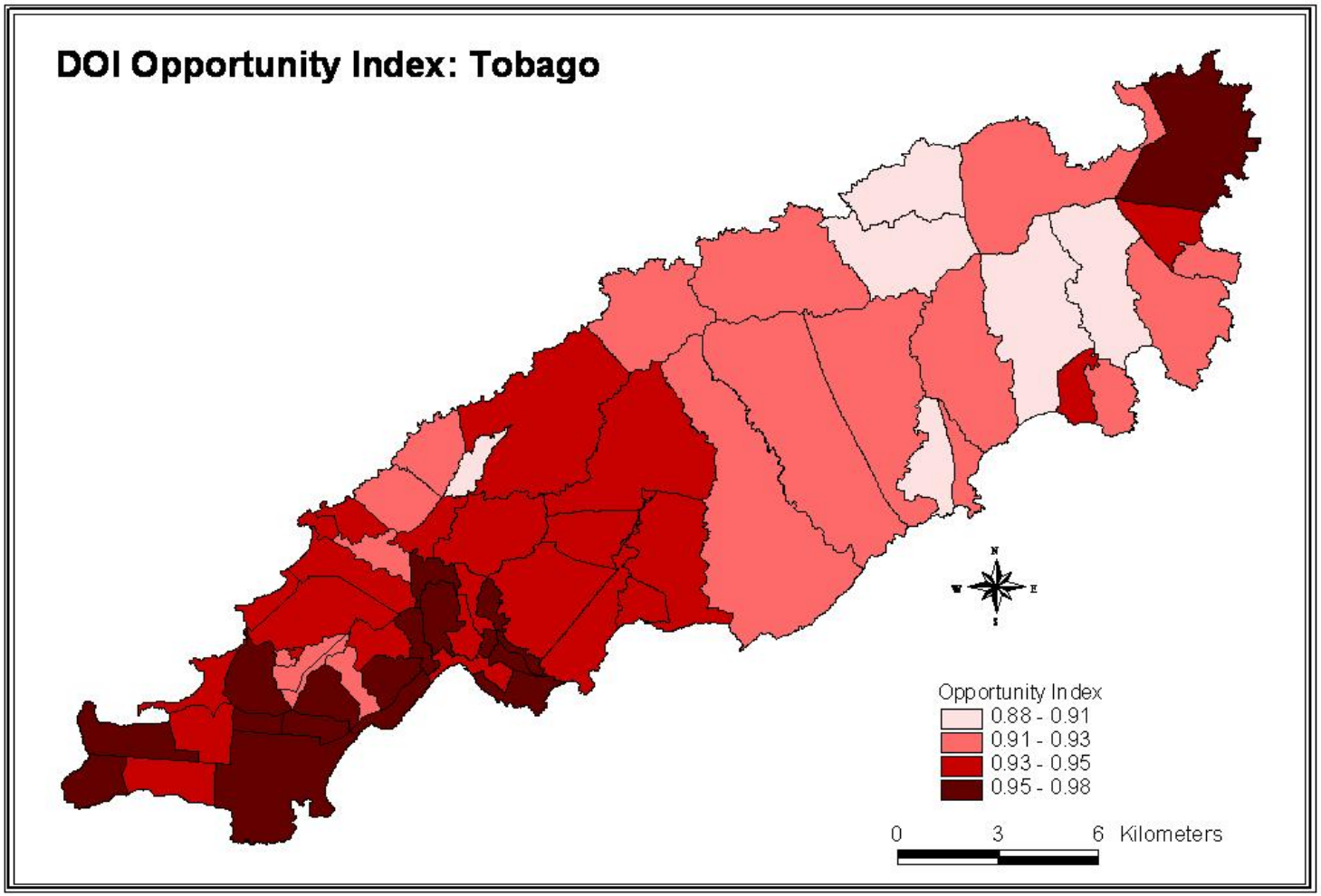

DOI Utlization Index (Alternate): Trinidad
Utilzation Index Alternate
0.1 - 0.2
0.2 - 0.3
0.3 - 0.4
0.4 - 0.5
0.5 - 0.6
0.6 - 0.7
0.7 - 0.8
No Data
0
10
20 Kilometers

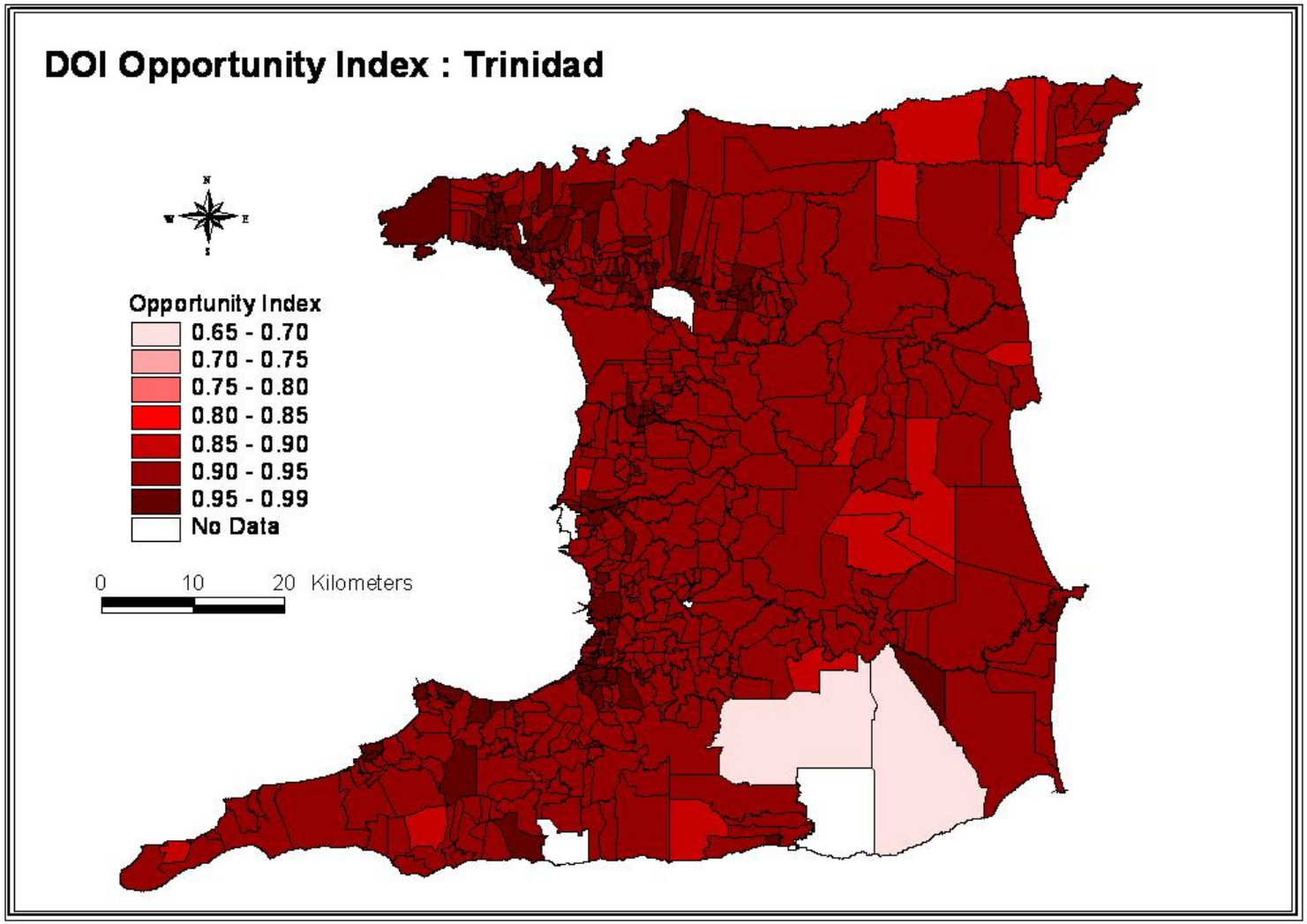

DOI Utilization Index (Alternate): Tobago
Utilization Index Alternate
0.1 - 0.2
0.2 - 0.3
0.3 - 0.4
0.4 - 0.45
0
3
6 Kilometers

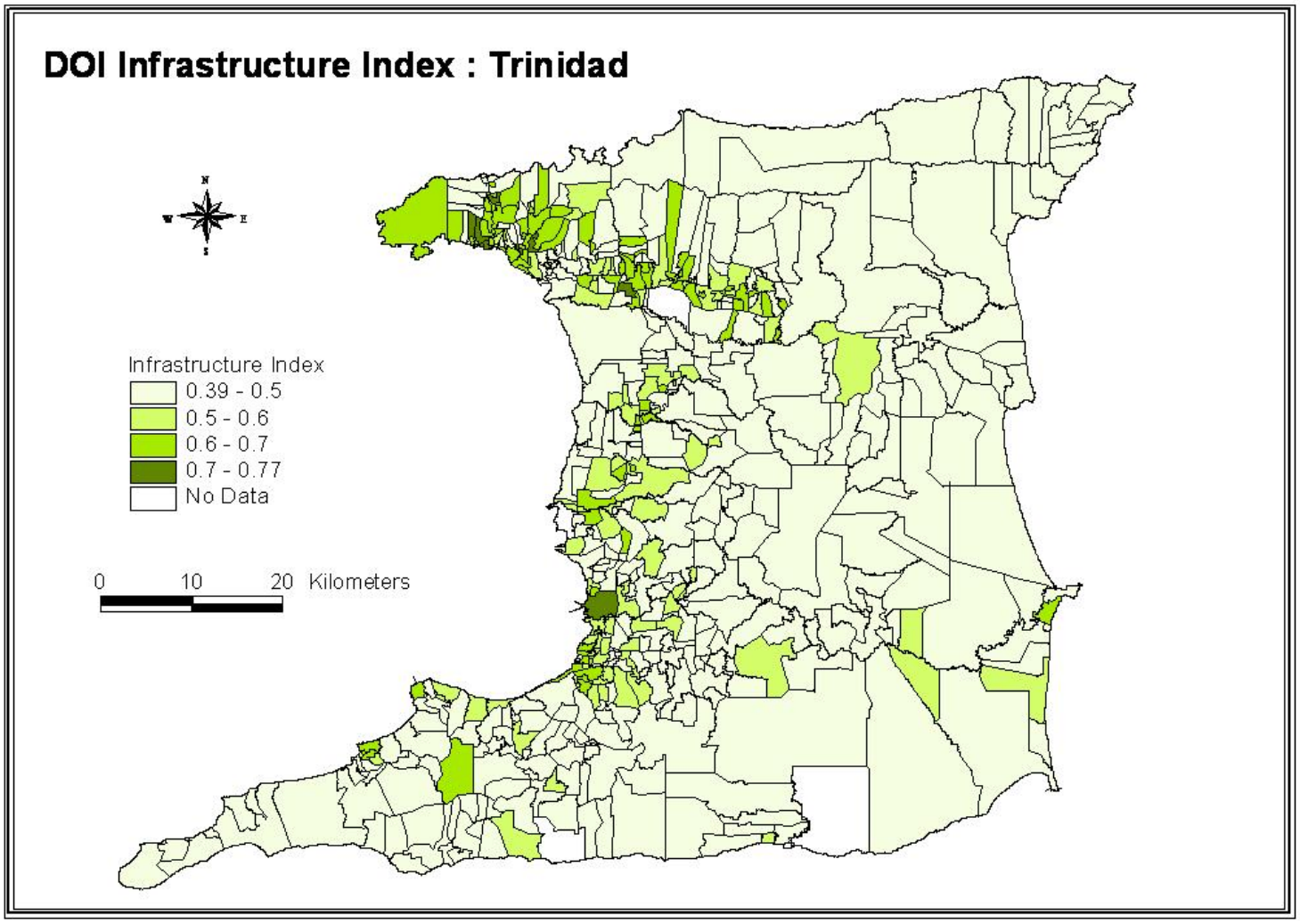

DOI Utlization Index: Trinidad
Utilzation Index
0.18 - 0.3
0.3 - 0.4
0.4 - 0.5
0.5 - 0.6
0.6 - 0.7
0.7 - 0.85
No Data
0
10
20 Kilometers

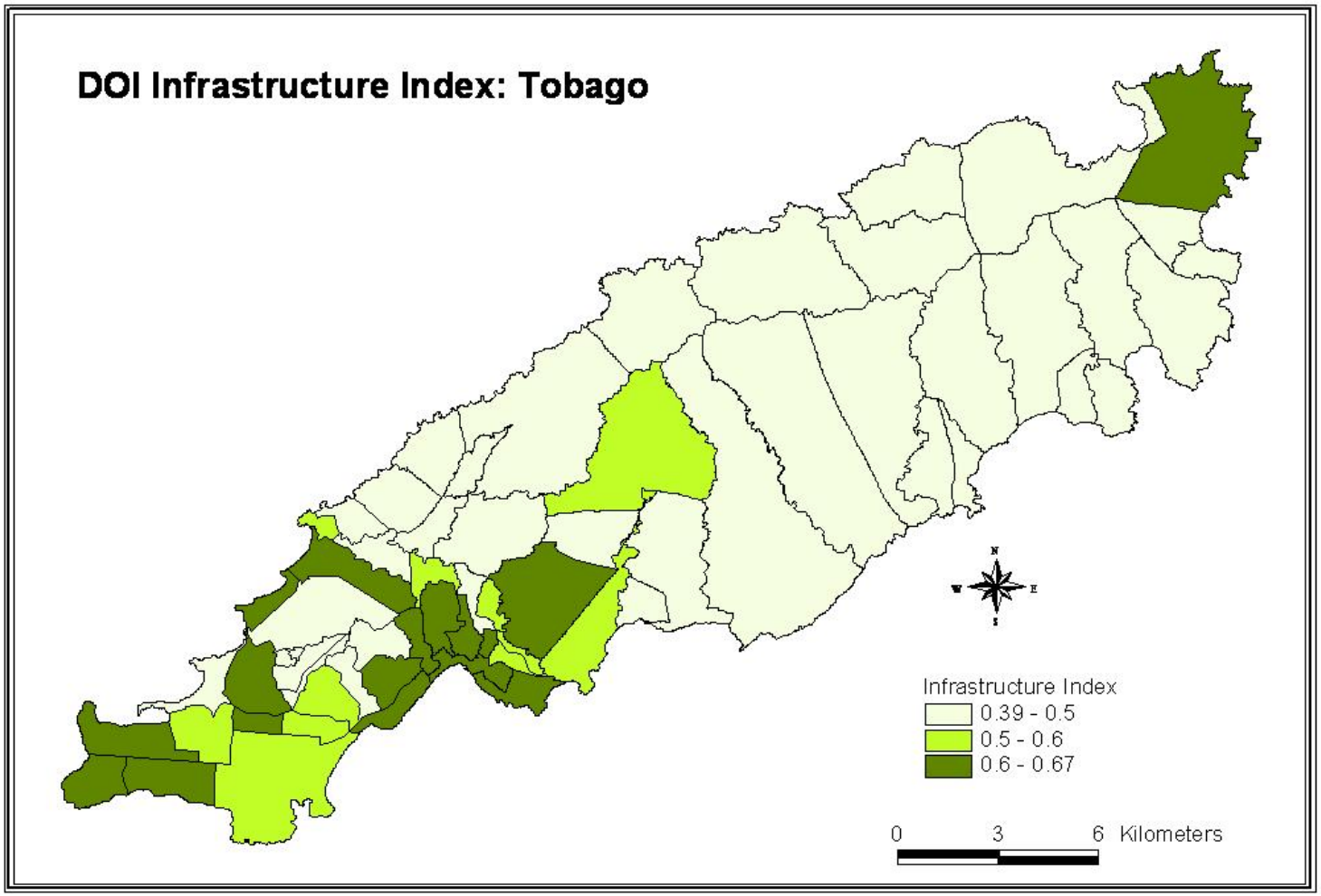

Digital Opportunity Index : Trinidad
DOI
0.48 - 0.55
0.55 - 0.60
0.6 0- 0.65
0.65 - 0.70
0.70 - 0.75
0.75 - 0.80
0.80 - 0.87
No Data
0
10
20 Kilometers

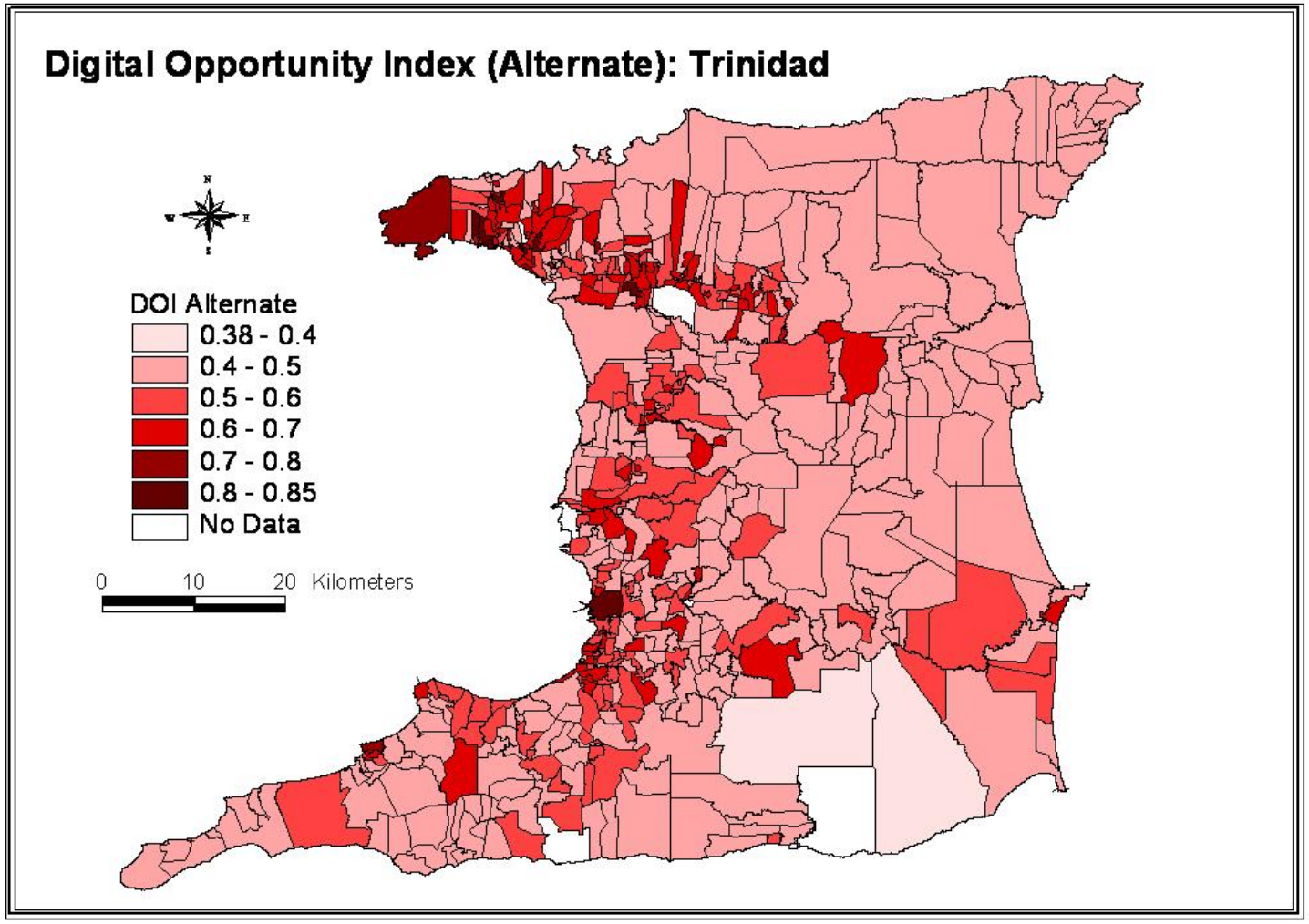

Digital Opportunity Index: Tobago
DOI
0.56 - 0.60
0.60 - 0.65
0.65 - 0.70
0.70 - 0.76
0
3
6 Kilometers

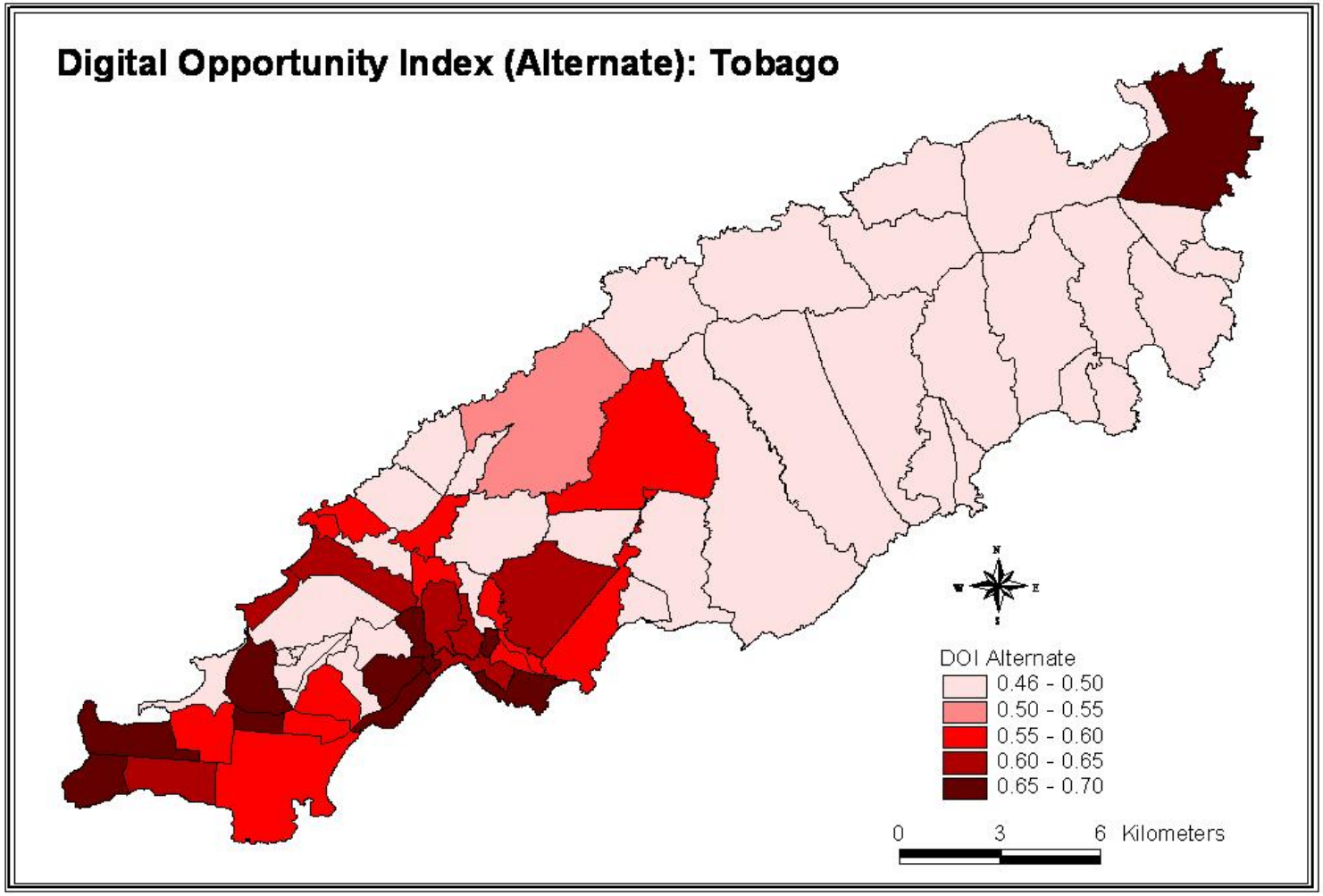

DOI Opportunity Index: Tobago
Opportunity Index
0.88 - 0.91
0.91 - 0.93
0.93 - 0.95
0.95 - 0.98
0
3
6 Kilometers

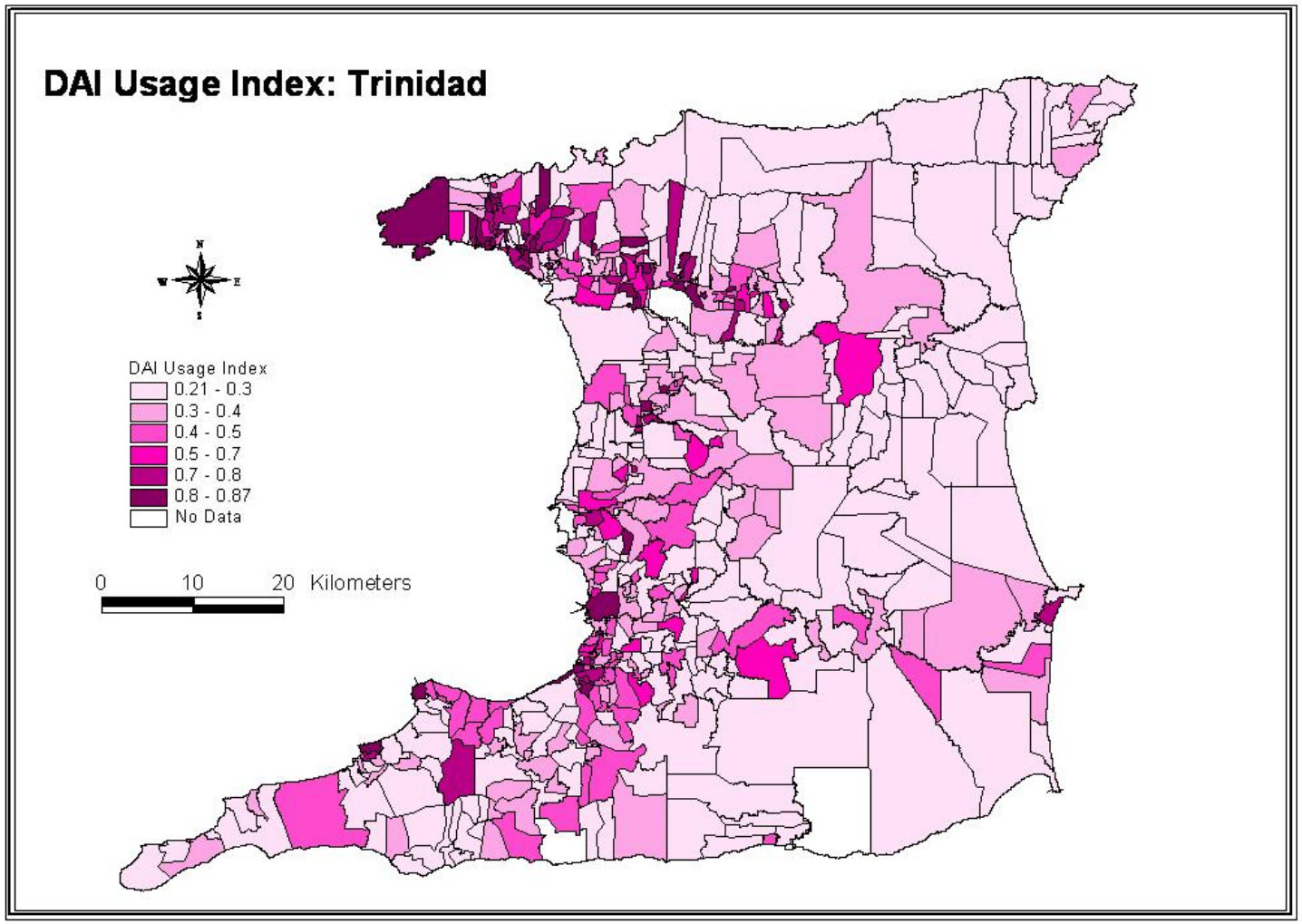

DOI Opportunity Index : Trinidad
Opportunity Index
0.65 - 0.70
0.70 - 0.75
0.75 - 0.80
0.80 - 0.85
0.85 - 0.90
0.90 - 0.95
0.95 - 0.99
No Data
0
10
20 Kilometers

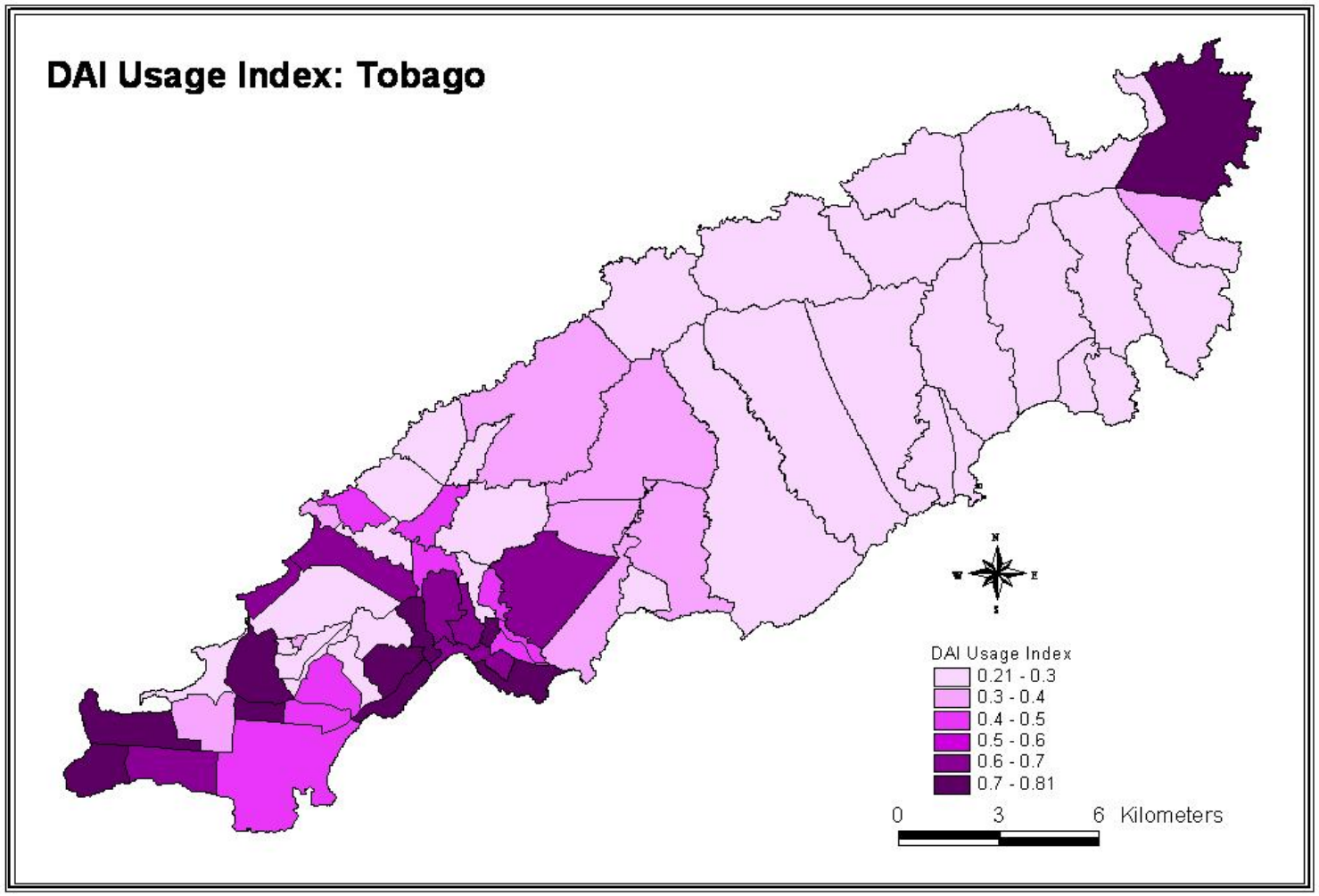

DOI Infrastructure Index : Trinidad
Infrastructure Index
0.39 - 0.5
0.5 - 0.6
0.6 - 0.7
0.7 - 0.77
No Data
0
10
20 Kilometers

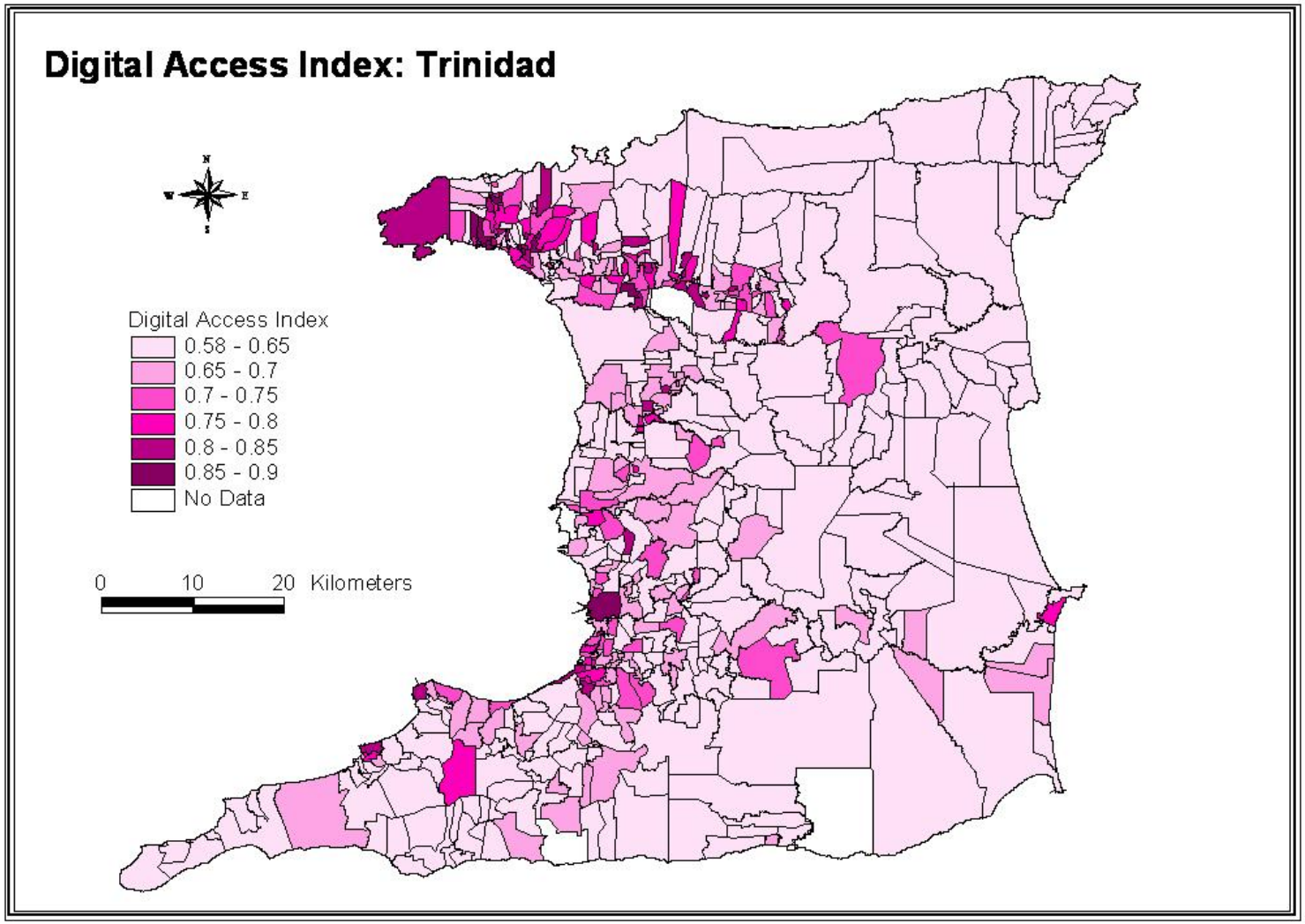

DOI Infrastructure Index: Tobago
Infrastructure Index
0.39 - 0.5
0.5 - 0.6
0.6 - 0.67
0
3
6 Kilometers

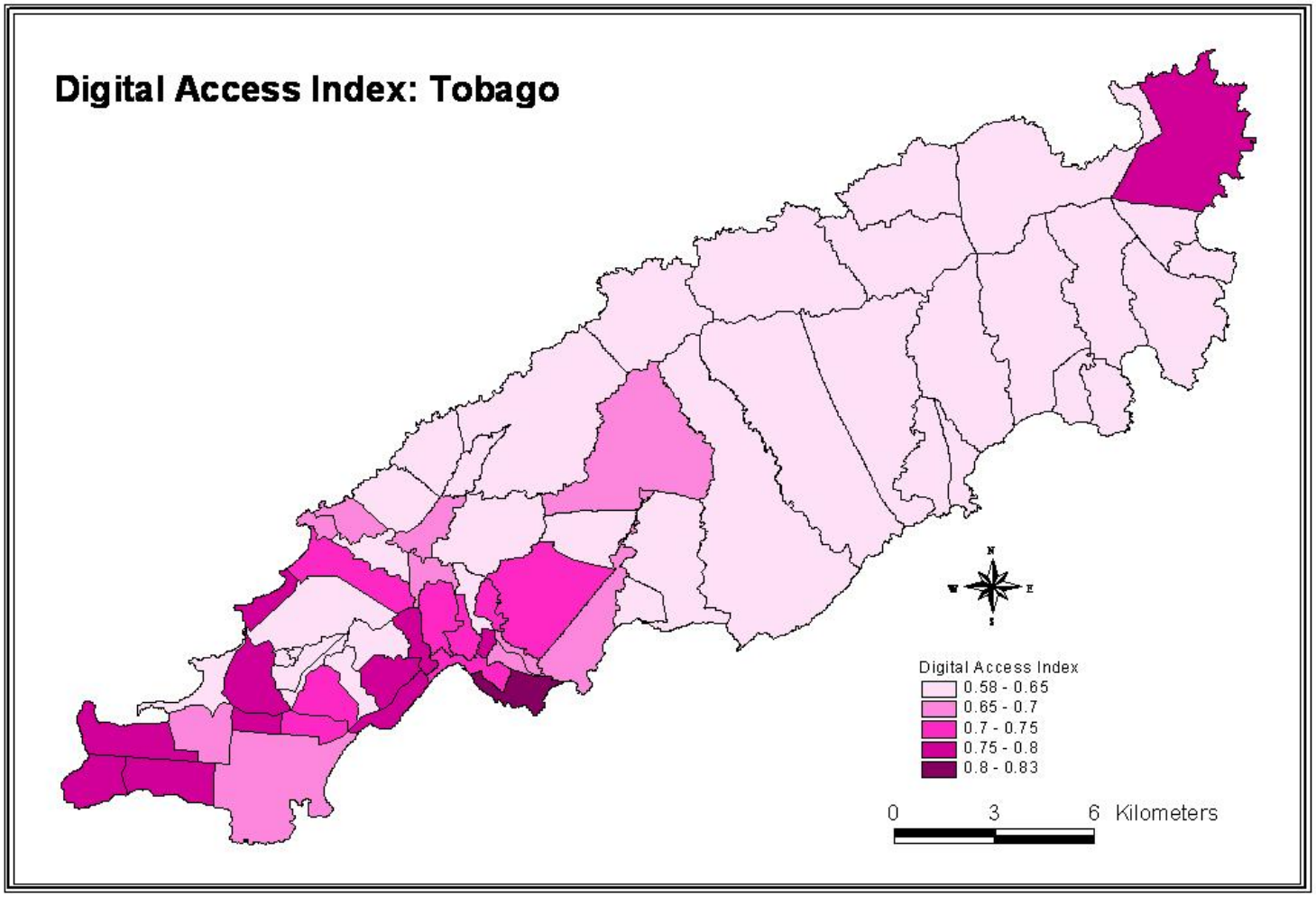

Digital Opportunity Index (Alternate): Trinidad
DOI Alternate
0.38 - 0.4
0.4 - 0.5
0.5 - 0.6
0.6 - 0.7
0.7 - 0.8
0.8 - 0.85
No Data
0
10
20 Kilometers

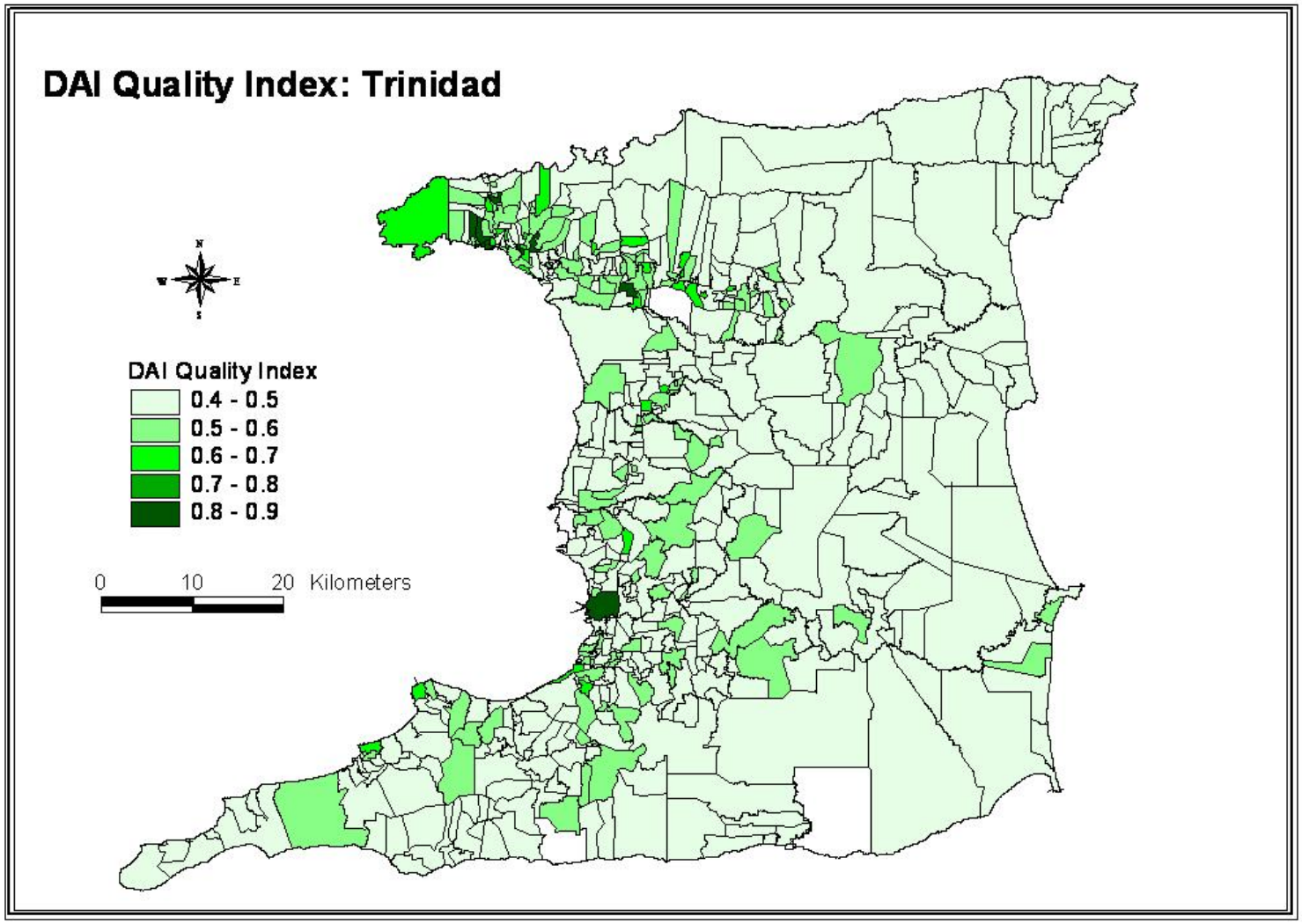

Digital Opportunity Index (Alternate): Tobago
DOI Alternate
0.46 - 0.50
0.50 - 0.55
0.55 - 0.60
0.60 - 0.65
0.65 - 0.70
0
3
6 Kilometers

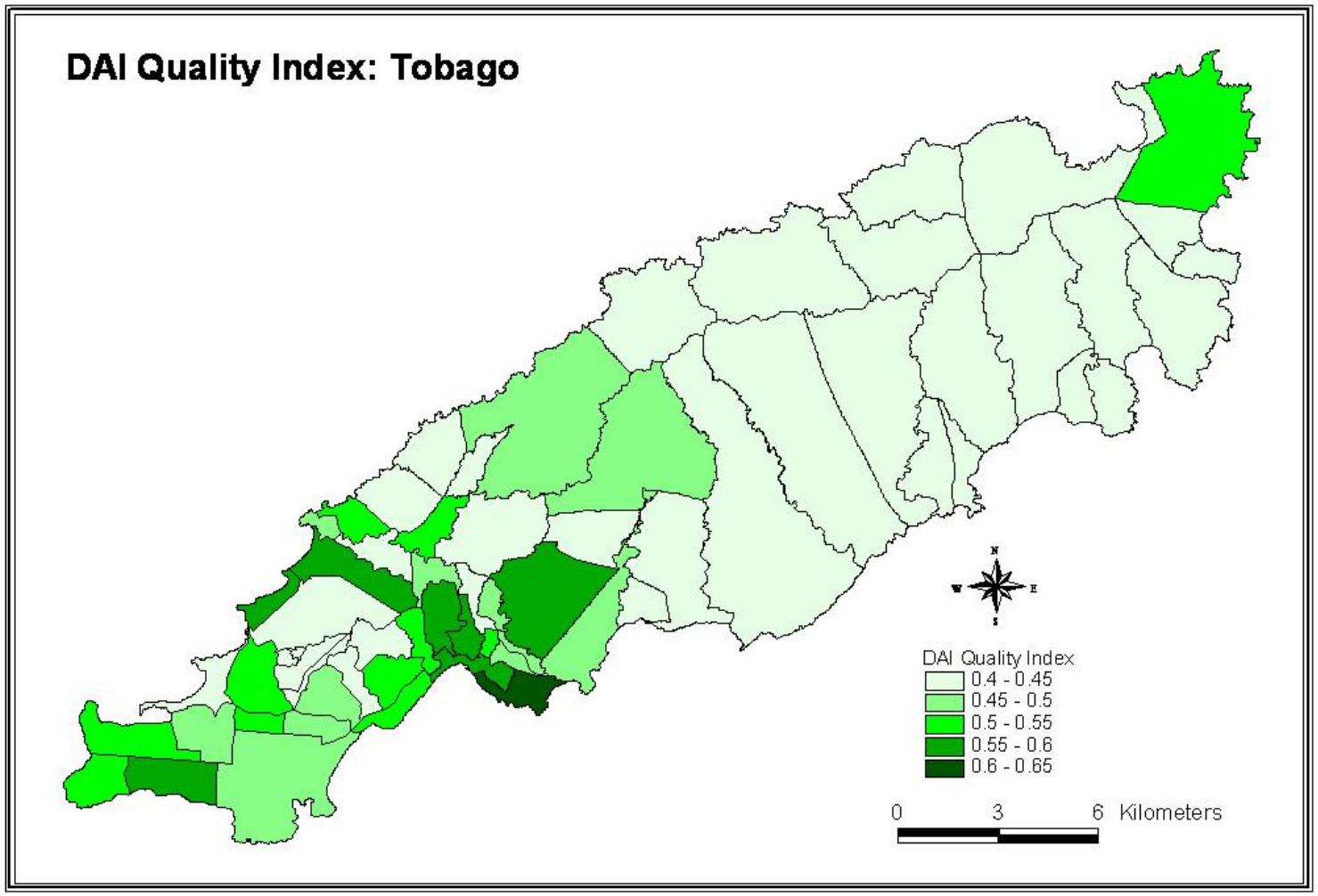

DAI Usage Index: Trinidad
DAI Usage Index
0.21 - 0.3
0.3 - 0.4
0.4 - 0.5
0.5 - 0.7
0.7 - 0.8
0.8 - 0.87
No Data
0
10
20 Kilometers

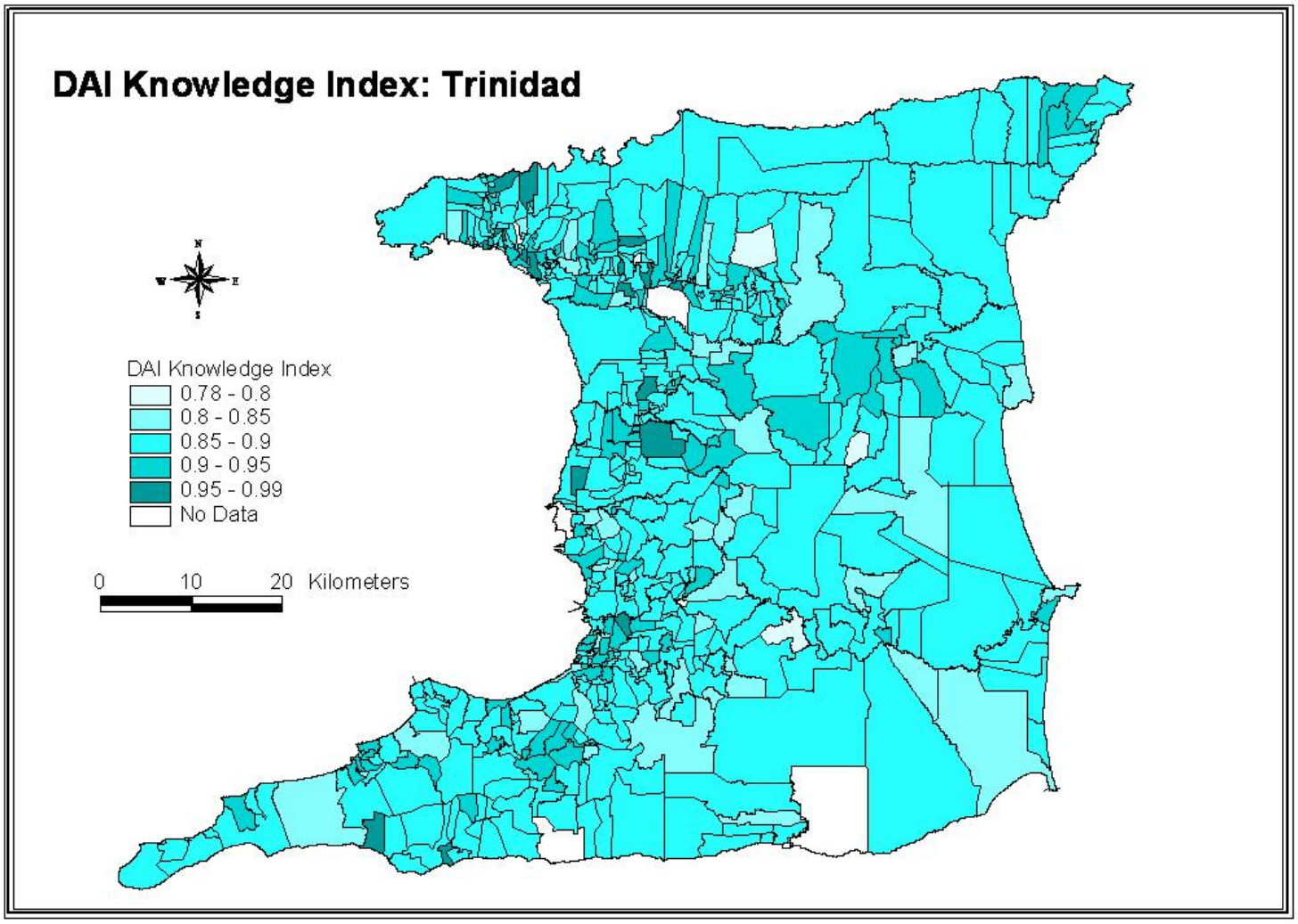

DAI Usage Index: Tobago
DAI Usage Index
0.21 - 0.3
0.3 - 0.4
0.4 - 0.5
0.5 - 0.6
0.6 - 0.7
0.7 - 0.81
0
3
6 Kilometers

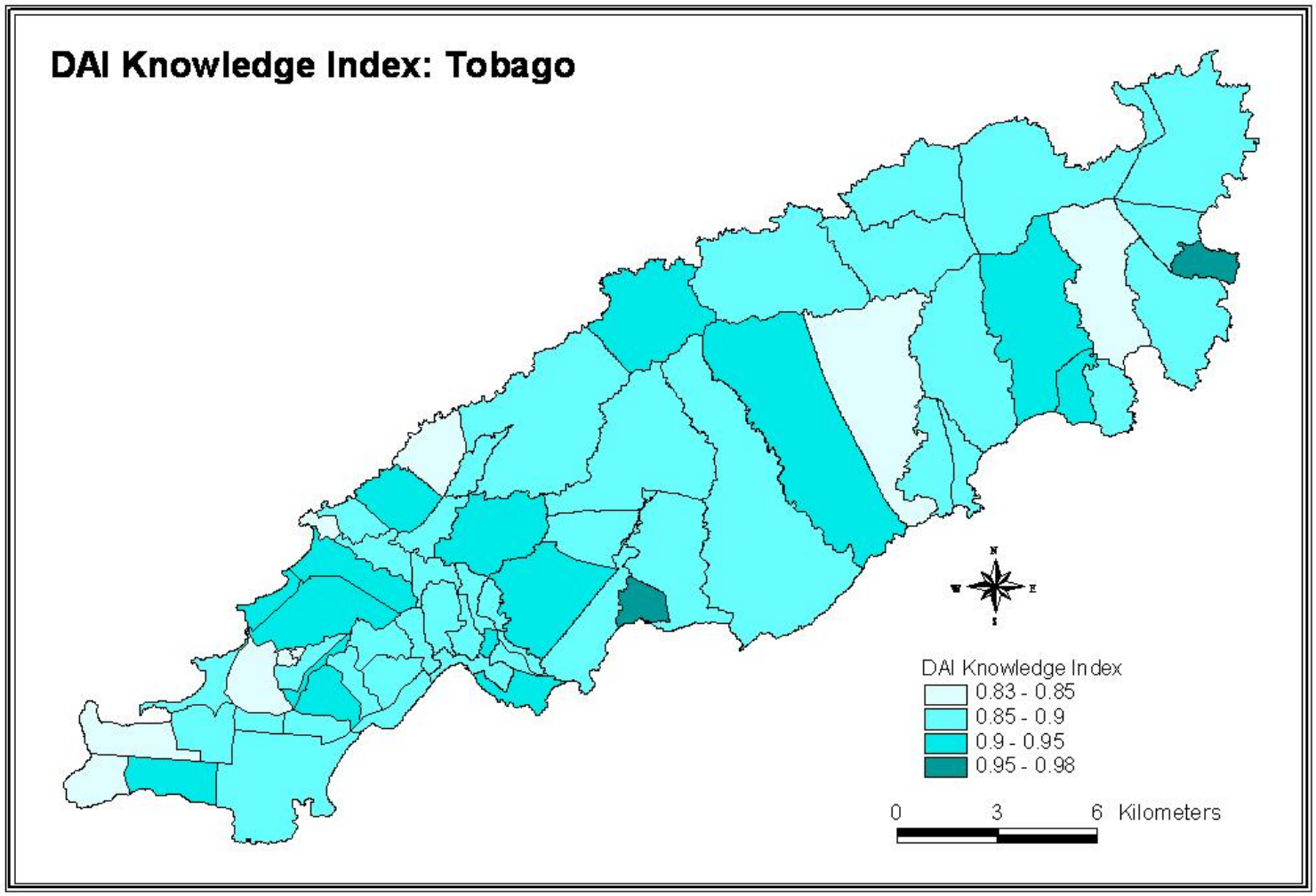

Digital Access Index: Trinidad
Digital Access Index
0.58 - 0.65
0.65 - 0.7
0.7 - 0.75
0.75 - 0.8
0.8 - 0.85
0.85 - 0.9
No Data
0
10
20 Kilometers

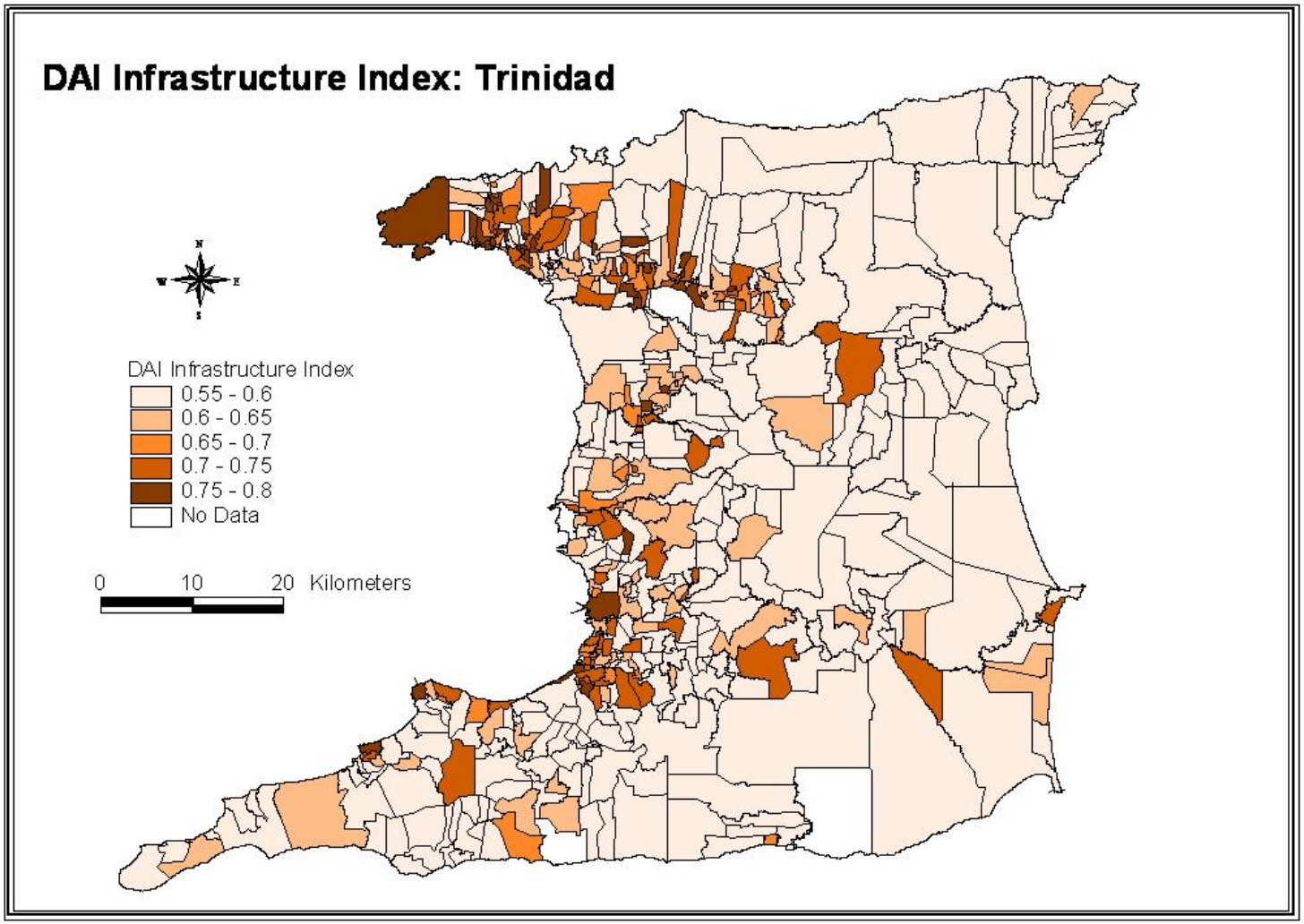

Digital Access Index: Tobago
Digital Access Index
0.58 - 0.65
0.65 - 0.7
0.7 - 0.75
0.75 - 0.8
0.8 - 0.83
0
3
6 Kilometers

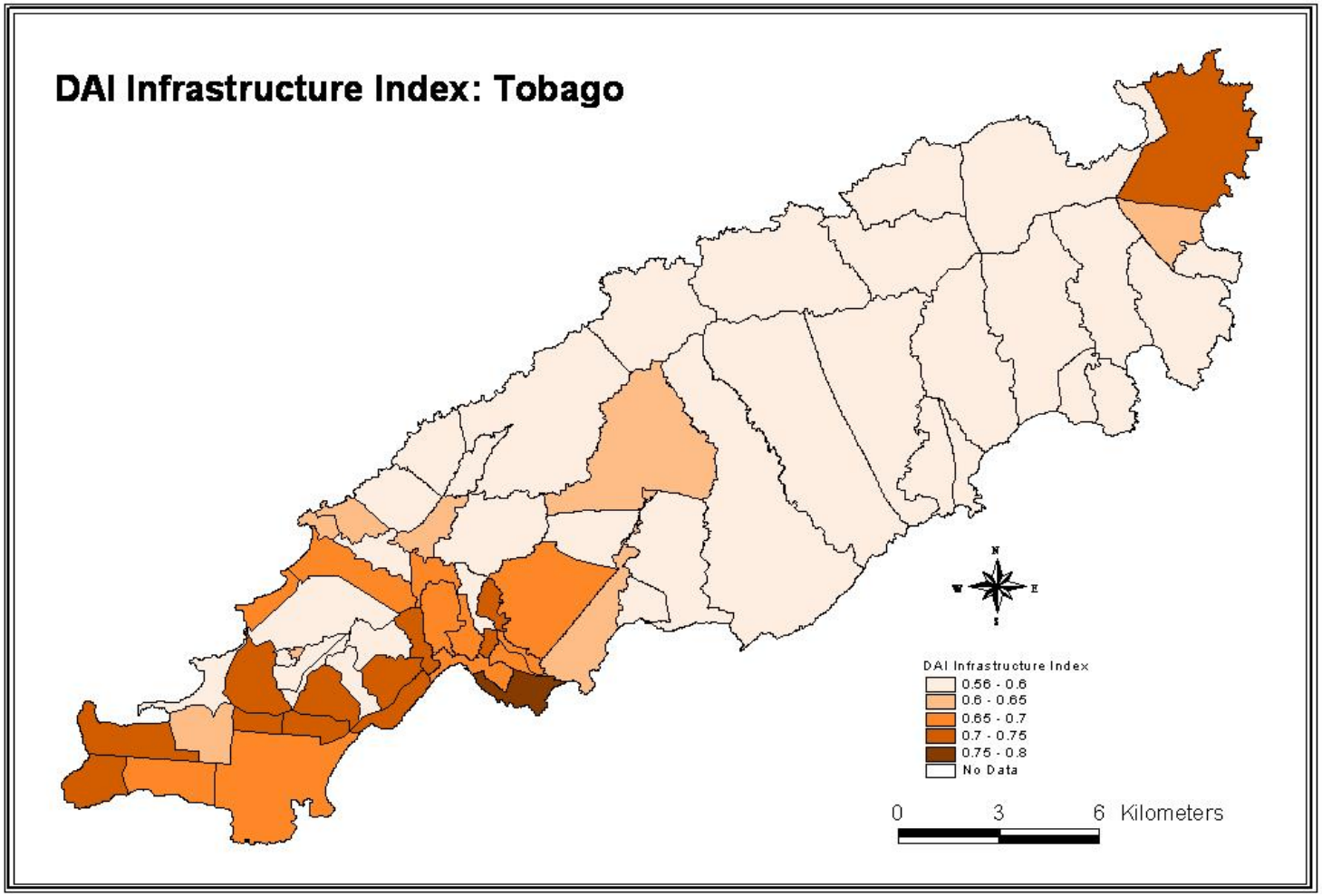

DAI Quality Index: Trinidad
DAI Quality Index
0.4 - 0.5
0.5 - 0.6
0.6 - 0.7
0.7 - 0.8
0.8 - 0.9
0
10
20 Kilometers

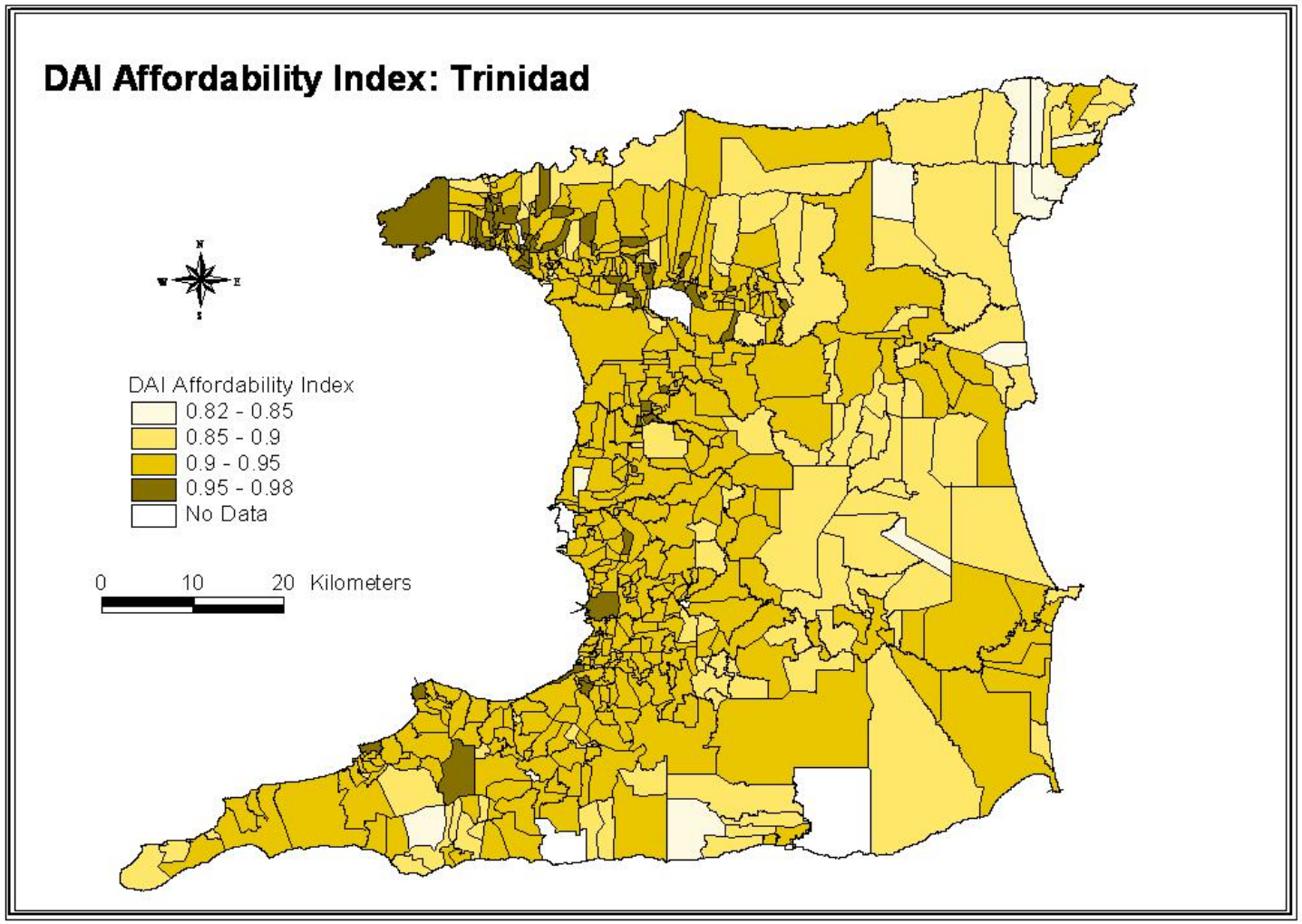

DAI Quality Index: Tobago
DAI Quality Index
0.4 - 0.45
0.45 - 0.5
0.5 - 0.55
0.55 - 0.6
0.6 - 0.65
0
3
6 Kilometers

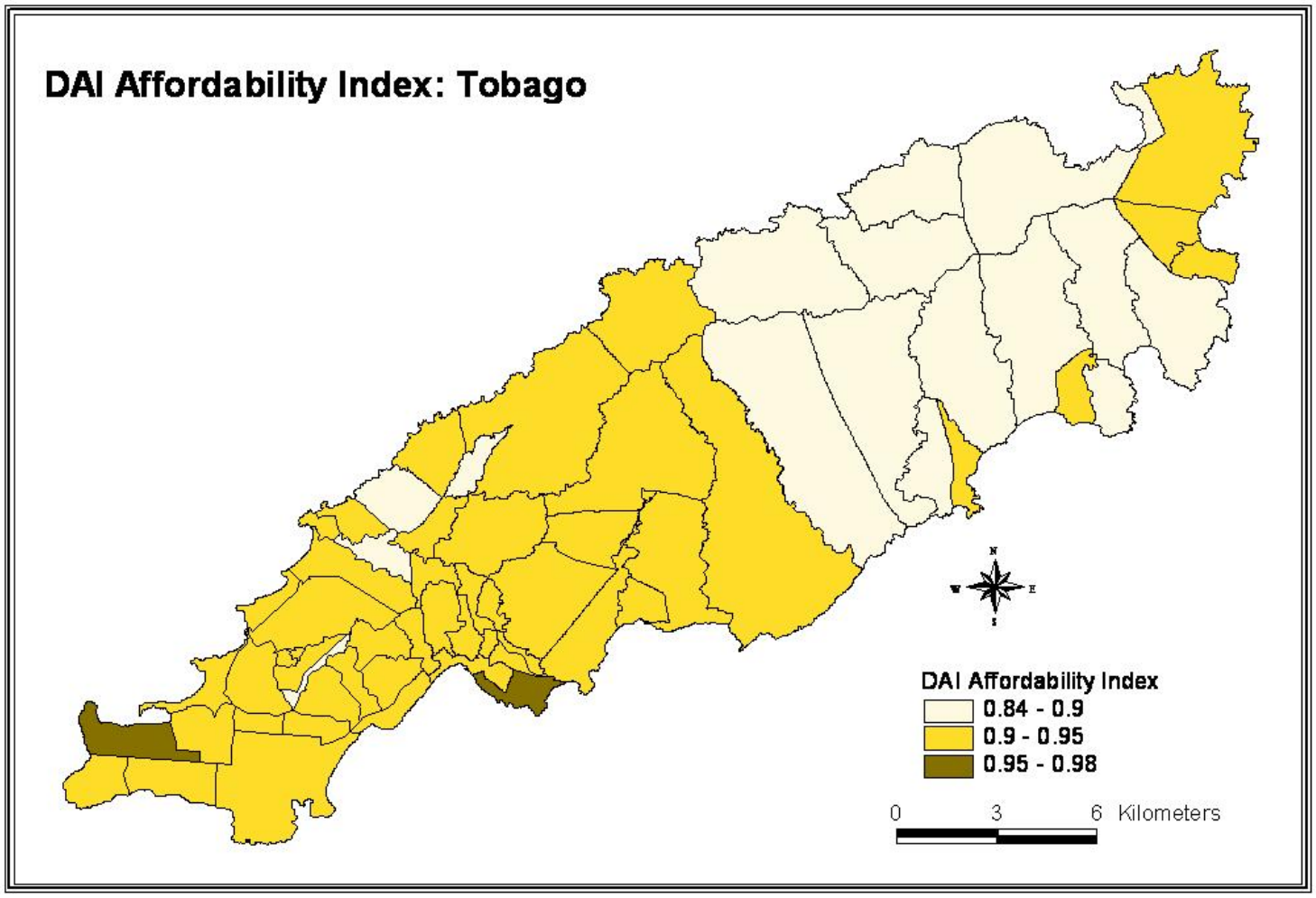

DAI Knowledge Index: Trinidad
N
W
E
S
DAI Knowledge Index
0.78 - 0.8
0.8 - 0.85
0.85 - 0.9
0.9 - 0.95
0.95 - 0.99
No Data
0
10
20 Kilometers

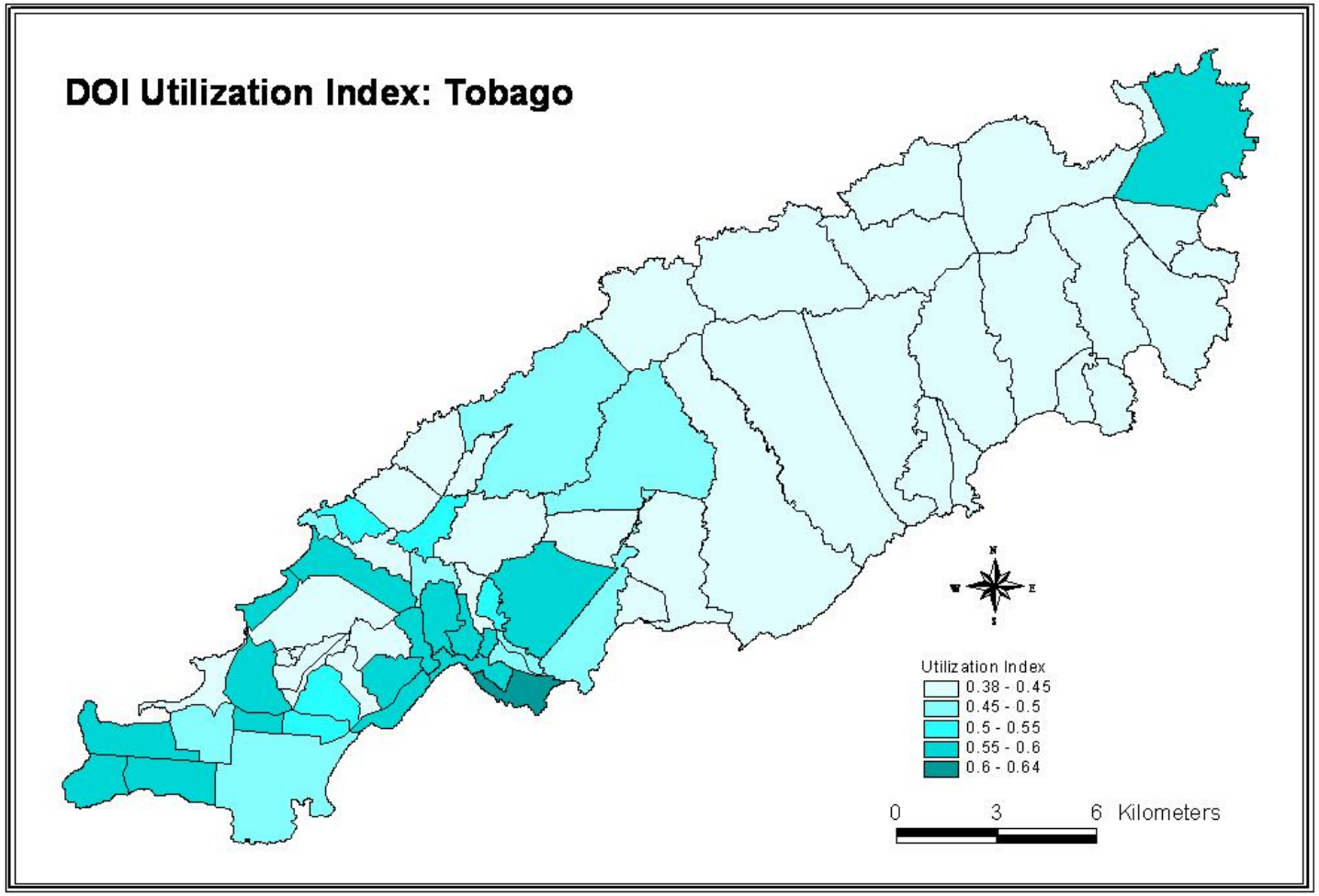

DAI Knowledge Index: Tobago
DAI Knowledge Index
0.83 - 0.85
0.85 - 0.9
0.9 - 0.95
0.95 - 0.98
0
3
6 Kilometers


DAI Infrastructure Index: Trinidad
DAI Infrastructure Index
0.55 - 0.6
0.6 - 0.65
0.65 - 0.7
0.7 - 0.75
0.75 - 0.8
No Data
0
10
20 Kilometers


DAI Infrastructure Index: Tobago
DAI Infrastructure Index
0.56 - 0.6
0.6 - 0.65
0.65 - 0.7
0.7 - 0.75
0.75 - 0.8
No Data
0
3
6 Kilometers


DAI Affordability Index: Trinidad
DAI Affordability Index
0.82 - 0.85
0.85 - 0.9
0.9 - 0.95
0.95 - 0.98
No Data
0
10
20 Kilometers


DAI Affordability Index: Tobago
DAI Affordability Index
0.84 - 0.9
0.9 - 0.95
0.95 - 0.98
0
3
6 Kilometers


DOI Utilization Index: Tobago
Utilization Index
0.38 - 0.45
0.45 - 0.5
0.5 - 0.55
0.55 - 0.6
0.6 - 0.64
0
3
6 Kilometers