



ECOLOGICAL PROFILE





ECOLOGICAL PROFILE

Municipality of Alaminos Province of Laguna

2019

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I. HISTORY OF THE MUNICIPALITY OF ALAMINOS

A. History

Alaminos began as a barrio of San Pablo City, which was then only a town of the province of Batangas. Its initial name was Trenchera denoting the presence of long and deep ravines. The early inhabitants of Trenchera were believed to be Insurectos and possibly fugitives who took advantage of the numerous trenches for hiding as well as for defense against the Spanish authority.

Spanish Period

In 1873, when Don Andres Peñaloza was the gobernadorcillo (Mayor) of the town of San Pablo, Trencher was formally separated and became pueblo or town but remained part of the province of Batangas. Don Cirilo Baylon, a wealthy resident of Trenchera and with good command of the Spanish language invited Captain-General Juan De Alaminos Nivera, the chief executive of the province of Batangas whose capital seat was Lipa. The Captain-General accepted the invitation and came in colorful carriage drawn by two horses. With Don Cirilo Baylon leading, the residents of Trenchera warmly received him. Doña Gregoria Baylon, the younger sister of Don Cirilo presented bouquets of fresh flowers to the Captain-General.

During the program in honor of the Captain General and his party, Don Cirilo Baylon presented the petition of the residents asking that Trenchera be made into a duly organized and recognized town. The petition was read in public and the Captain General gave assurance to consider their wish favorably. In less than two (2) months the official paper proclaiming Trenchera as a new pueblo or town arrived from Lipa, thenthe seat of power of the province of Batangas.

At the same time, Don Cirilo Baylon was appointed the first gobernadorcillo or town mayor in concurrent capacity as Capitan Delos Constables de Pueblo or the equivalent of the local police chief. In appreciation of Capitan General Juan de Alaminos Nivera, the new pueblo was named Alaminos in 1873 and remained part of the province of Batangas until 1903. From 1873 up until the revolutionary period of 1898, the following served as gobernadorcillo or mayors of Alaminos:

Table 1. History of Gobernadorcillo of Alaminos during the Spanish Regime

	Name	Year Elected/Appointed
1	CiriloBaylon	1873-1875
2	Raymundo Faylona	1875-1878
3	CiriloBaylon	1879-1881
4	Marcelino Tolentino	1882-1884
5	Policarpio Flores	1885-1887
6	Mauricio Abril	1888-1890
7	Sesinando Enriquez	1891-1893
8	Marcelino Fule	1894-1896
9	Luis Cordero	1897-1898

Source: MPDO, 2018

Towards the end of the Philippine Revolution against Spain and the subsequent American Military rule in 1900, there was no gobernadorcillo. Alaminos revolted against Spain and fought the Americans. Notable among the town's revolutionaries were Don Andres Roxas, LeodegarioAvenido, Marcelino Fule, and many more.

American Period

In the 1900s, the American Military Authority appointed Nicomedes Flores as overseer of the town from 1900-1902 and was followed by Don Rafael Baylon who served until 1903. At this time, ALAMINOS was re-annexed as barrio of San Pablo, which was then ceded to the province of Laguna in 1902. It was not until about 1916 that Alaminos regained its status as a town and remained within the political territory of Laguna.

Japanese Occupation

From 1916 up until the Japanese occupation in 1943, the followingwere some of those who served as Presidents, or Mayors of Alaminos.

They were:

- 1. Jose Fule
- 2. LeodegarionAvenido
- 3. Rafael Averion
- 4. Lucio Cubillejo
- 5. Francisco Fule
- 6. Andres Averion
- 7. Silvestre Silva
- 8. Nicasio Villanueva
- 9. Artemio Fule

Third Republic to Present

In the post war era following the end of World War II, and after the granting of political independence in 1946 by the Americans, the Mayors of Alaminos, Laguna were appointed, elected or succeeded into office.

Table 2. History of Elected and Appointed Mayors of Alaminos, Laguna

	Name	Year Elected/Appointed
1	Demetrio Hernandez, Sr.	1944-1946 appointed
2	Felimon Masa	1947-1948 appointed
3	Daniel Fandino	1948-1951 elected
4	Lorenzo Dimayuga	1952-1955 elected
5	Pedro de Villa	1956-1963 elected
6	CasimiroFaylona	1964-1967 elected
7	Pedro de Villa	1968-1971 elected
8	Armando M. Bueser	1972-1979 elected/term extended
9	Francisco Donato	1980-1982 elected/died in office
10	Mariano Flores	1982-1987 succeeded/OIC
11	Samuel F. Bueser	1988-1998 elected for three consecutive years
12	Ruben D. Alvarez	June 12, 1998 centennial mayor
13	Demetrio P. Hernandez Jr.	1998-2001 elected
14	Samuel F. Bueser	May 14, 2001 elected for the 4th term
		Re-elected May 10, 2004 for the 5th term
15	Eladio M. Magampon MD.	2007-elected
		May 10, 2010 re-elected for the 2nd term
		2014 – 2016
16	Loreto M. Masa	2016 – 2019
17	Eladio M. Magampon MD.	Present

Source: MPDO, 2018

II. GEOPHYSICAL ENVIRONMENT

This section providescomprehensive baseline information of physical and natural characteristics of Alaminos. The information and assessments are key components in pursuing spatial and strategic development plan in the municipality.

A. Geographical and Administrative Profile

Geographical location

Alaminos is a heart-shaped mainland Municipality in the Province of Laguna. It is located within 121° 12′ 40.79″ - 121° 17′ 23.36″ Longitude and 13° 59′ 43.64″ – 14° 5′ 35.73″ Latitude of the southern part of Laguna. It is bounded by the municipalities of Calauan, Laguna in the north, San Pablo City in the east, Municipality of Sto. Tomas, Batangas in the west, and Lipa City, Batangas in the south. Map 1 shows the location map using the spatial data from the province while Map 2 used the municipality's cadastral data. All maps used in the CDP are based from the cadastral data.

Alaminos is located 78 kilometers southward of Manila with an average travel time of two (2) hours and approximately 28 kilometers northward of Sta. Cruz, the provincial capitol of Laguna with an estimated travel time of one (1) hour.

Alaminos has a total land area of 5,345.35 hectares (GIS Computed from cadastral data) which is short by 131.22 hectares from the previous CLUP (2000) which was 5,476.57 hectares. This difference can be attributed to map errors and boundary disputes.

Administrative boundaries

Alaminos is a third (3rd) income class municipality in the province of Laguna. It is politically subdivided into 15 barangays, namely: barangays Del Carmen, Palma, San Agustin, San Andres, San Benito, San Gregorio, San Ildefonso, San Juan, San Miguel, San Roque, Sta. Rosa, Poblacion 1, Poblacion 2, Poblacion 3, and Poblacion 4 (refer to Map 3).

B. Natural and Physical Characteristics

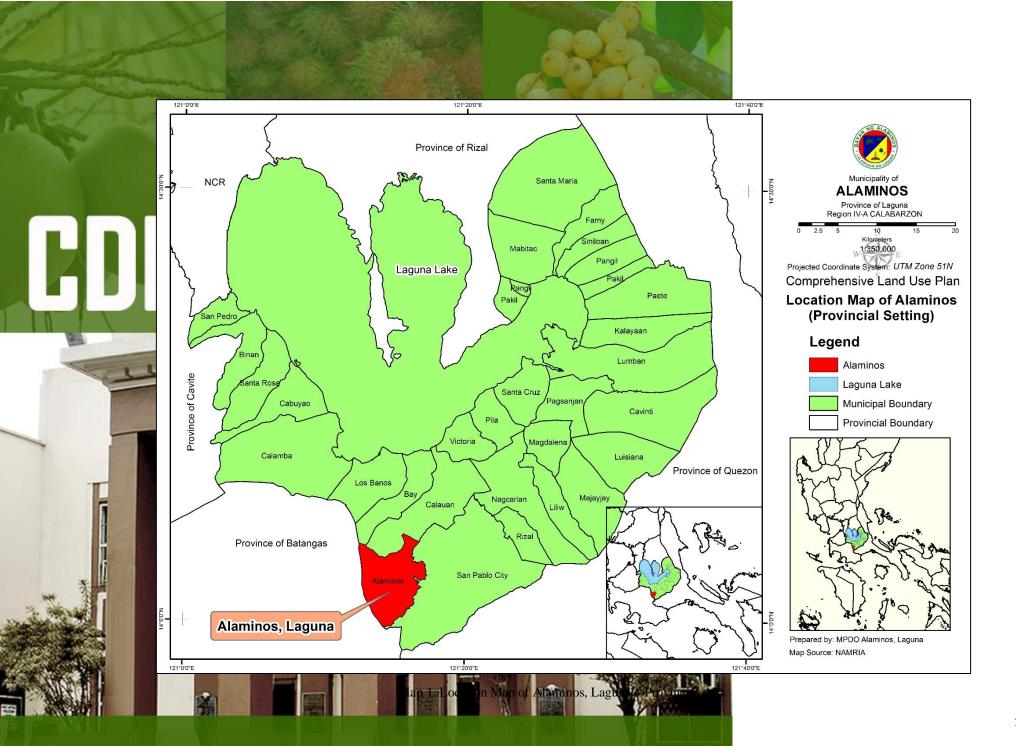
Topography

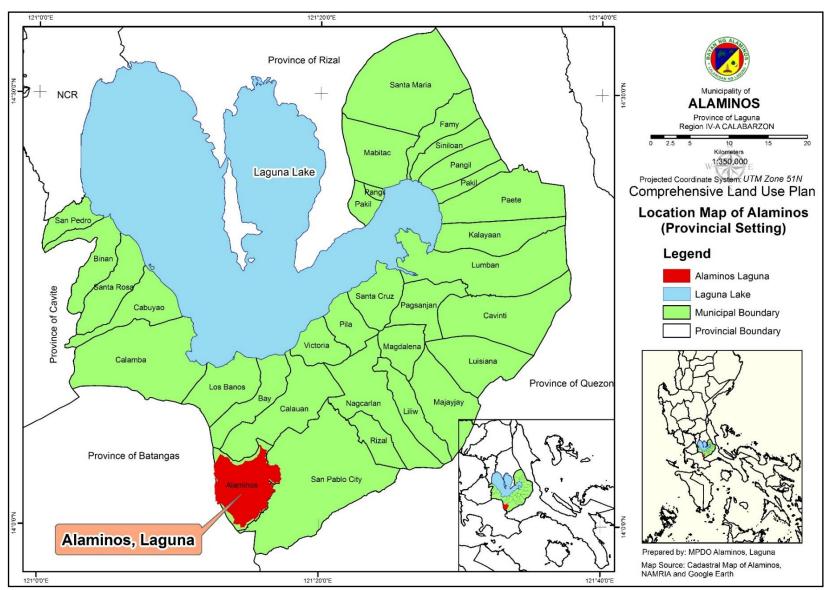
Topography affects the cost of production, land development, networks and infrastructure development.

Topographic Relief

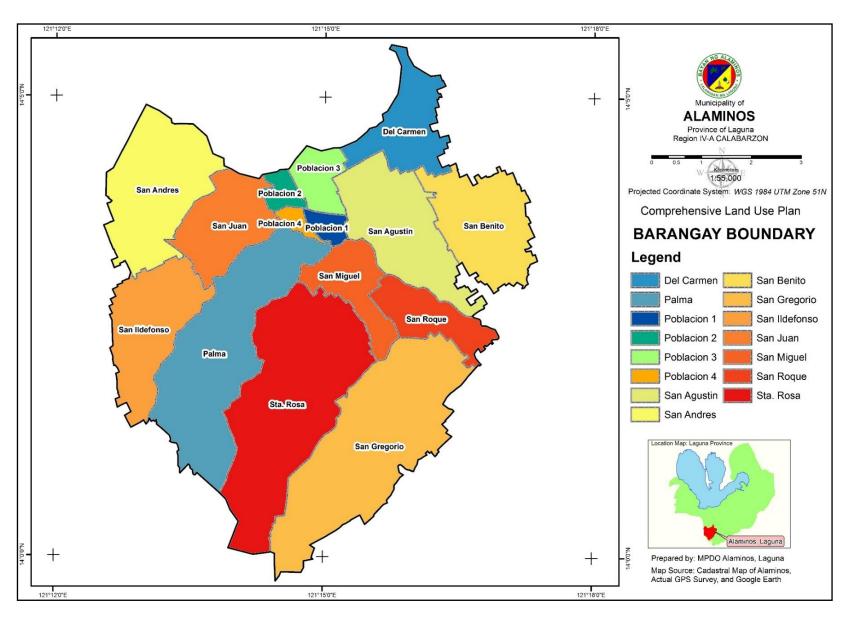
Most of the land area of Alaminos is relatively flat particularly in urban and rural barangays. Further, gently sloping is situated in southern and south-western portion of the municipality which is characterized by a rugged terrain. It is located at barangays Palma, Sta. Rosa and San Gregorio.

The topographic relief is sub-divided into two intervals; 50-meter and 10-meter. Overall, the relief ranges from 50 meters to 700 meters, which is suitable for urban expansion and agricultural uses Map 4 shows the topographic relief map of the municipality.

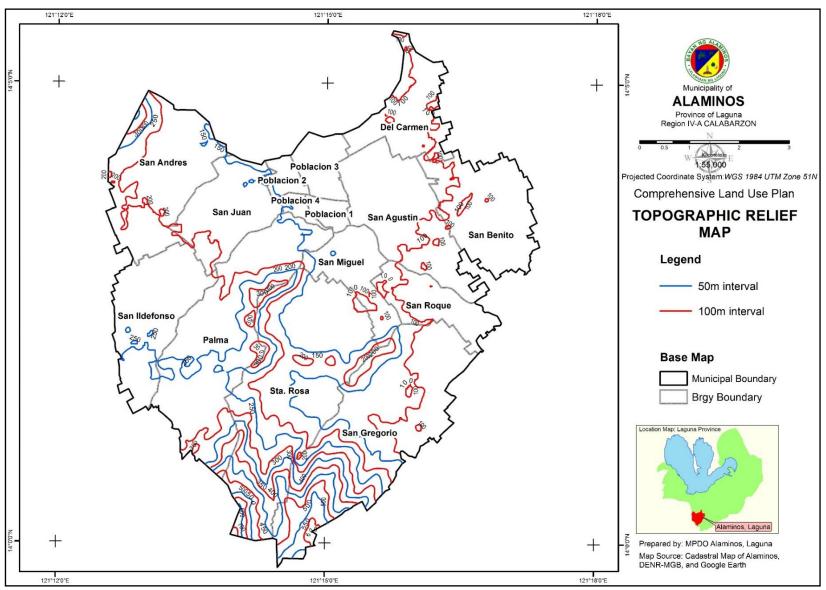




Map 2. Location Map of Alaminos, Laguna – Cadastral data



Map 3. Barangay Boundary Map of Alaminos, Laguna



Map 4. Topographic Relief Map of Alaminos, Laguna

Elevation The territorial jurisdiction of Alaminos ranges from 66 to 728 meters above sea level (masl) (refer to Map 5). A vast of land falls under the elevation of 66 – 176 meters above sea level and some portion of barangays are ranging from 176 – 286 meters above sea level, which is suitable for urban development or residential areas. On the other hand, the remaining portions are categorized as forest use. These areas have an elevation ranging from 286 – 728 meters above sea level. Table 3 presents the elevation profile and its covered barangays. Table 3. Elevation Profile of Alaminos, Laguna Elevation (masl) Barangay San Andres, San Juan, Poblacion 1, Poblacion 2, Poblacion 3,

Elevation (masl)

San Andres, San Juan, Poblacion 1, Poblacion 2, Poblacion 3, Poblacion 4, Del Carmen, San Agustin, San Benito, San Roque, San Miguel, Sta. Rosa

176 = 286

San Andres, San Juan, San Ildefonso, Palma, Sta. Rosa, San Gregorio

286 = 728

Palma, Sta. Rosa, San Gregorio

Source: DENR-MGB, 2012

is rich in mount Additionally, the nicipa wo (2) r tains (Mt. Olila and Mt d five it, Bu alindan, a irol) are found within boundaries of ty. Tl nunicipality to munic is serv (5) hills are Sto. T s and ba Cit provi ptions of n Table 4 present

Table 4 ill Elevations and L laminos Elevation Location/ Hill Coordinates (masl) Barangay Mapait Hill 56 Bunsulan Hil 62 Tanza Hill San Gr Palindan Hill

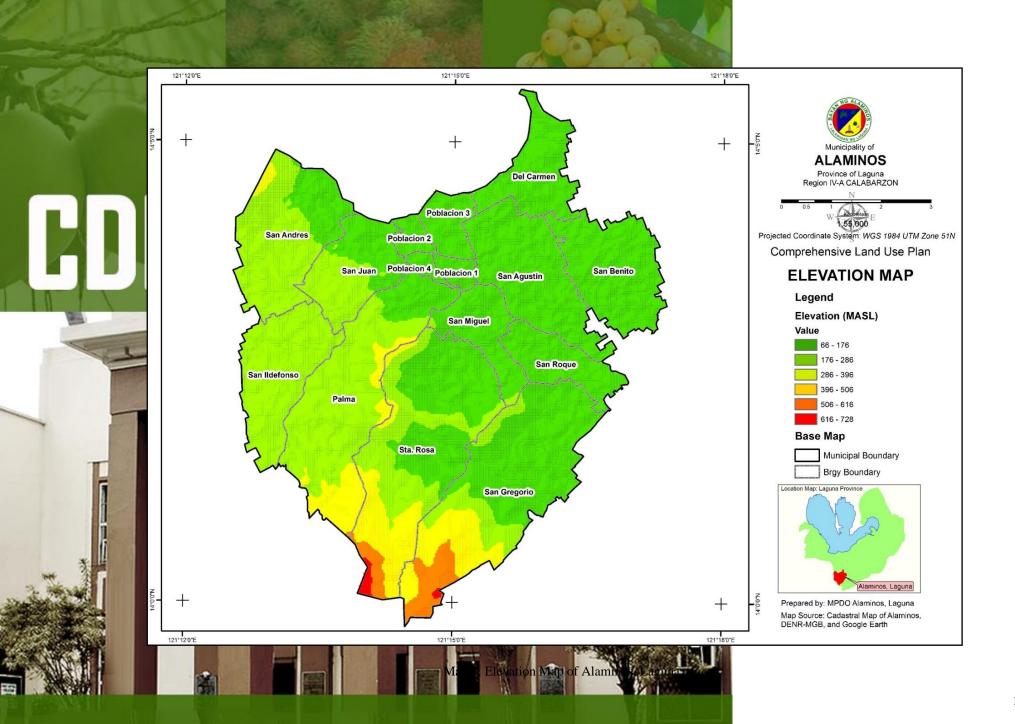
Burol/Mani Hill 262 San Gregorio 14 0 30.00 18, 121°15'32.40"E Source: MPDO, 2017, DENR-MGB, and Cadastral Map of Alaminos

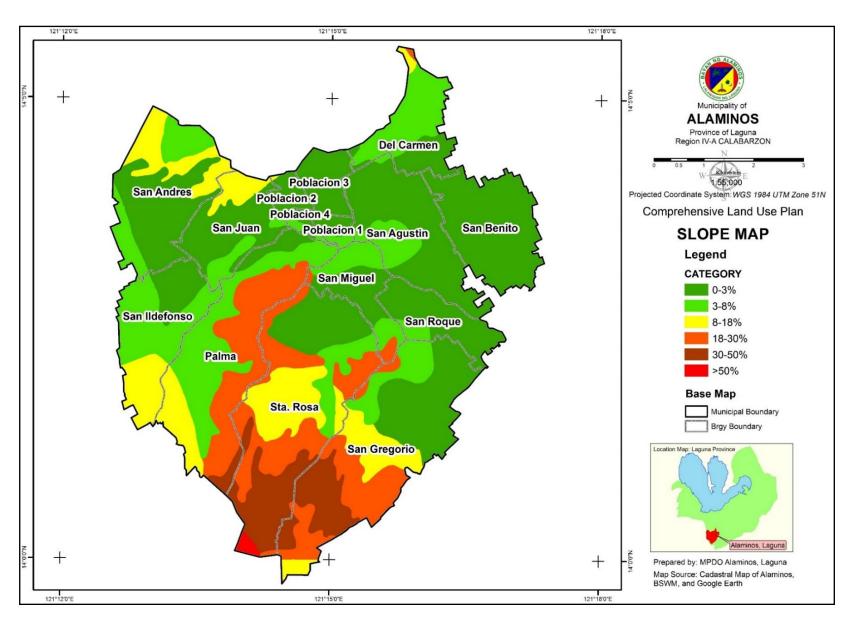
Slope

About 2,325.45 hectares (43.83%) of the total land area of municipality is from 0 to 3 percent slope, 1,196.74 hectares (22.39%) is from 3 to 8 percent slope, 681.00 hectares (12.74%) is 8 to 18 percent slope, 336.18 hectares (6.29%) and 13.57 hectares (0.25%) for 50 percent and above (refer to Map 6).

The slope of Alaminos can be best described as having a nearly level to gently sloping to undulating. Since landslide is directly proportional to slope percentage, 0 to 18 percent is characterized as low susceptibility to landslide while 18 percent and above is considered as moderate to high susceptibility. In addition, 286.56 hectares (6.63%) and 4.76 hectares (0.09%) of built-up areas are located in 0 to 18 percent and 18 to 30







Map 6. Slope Map of Alaminos, Laguna

percent, respectively. Furthermore, 3.90 hectares of informal settlers are found in 0 to 18 percent located in barangays Poblacion 1, Poblacion 2, and Poblacion 4 while 0.09 hectare is situated in barangay Sta. Rosa with 18 to 30 percent slope.

The highest elevation, rising about 736 meters, is located near Lipa City and Sto. Tomas, Batangas boundary where Mt. Olila and Mt. Pataguinare situated.

Table 5. Slope Distribution of Alaminos, Laguna

Slope	Area (Ha)	Percentage to Total Area	Description	Erosion Potential	Suitability
0-3%	2,325.45	43.51	Level To Very	No Erosion	Urban and
0 3 /0	2,323.13		Gently Sloping	Potential	Agricultural Uses
3-8%	1,196.74	22.30	Gently Sloping	No Erosion	Urban and
3-870	1,190.74	22.39	To Undulating	Potential	Agricultural Uses
8-18%	681.00	12.74	Undulating To	Low	Urban and
8-18%	081.00	12.74	Rolling	Susceptibility	Agricultural Uses
18- 1	702 41	14.00	Rolling To Hilly	Moderately	111.
30%	792.41	LIAI.AANG	Roung to Hilly	Susceptible	Agricultural Use
30-	FAM	LAMINOS LA	SUNA		
50%	336.18	L. IIII 6:29	Steep Hills	Highly	Forest Use
	13.57	0.25	Vory Stoon Hills	ceptible	Totest Osc
>50%			Very Steep Hills	SECTION STATE	
Total	5345.35	100	-	-	-

Source MPDO Computation 2011, Bureau of Soil and Water Management (BSWM) 2012

Surface Dr<mark>ainage</mark>

The municipality is being drained by the following rivers: Figas river on the northern portion serving as boundary between Calauan and Alaminos, Taray (Camachile) river on the western portion, Kaquinkong (Viana) river centrally located and Onipa (Calaboa, Byayong and Sabang) river on the southern portion (refer to Map 7). River systems traversed from one location to another, as locals name it differently.

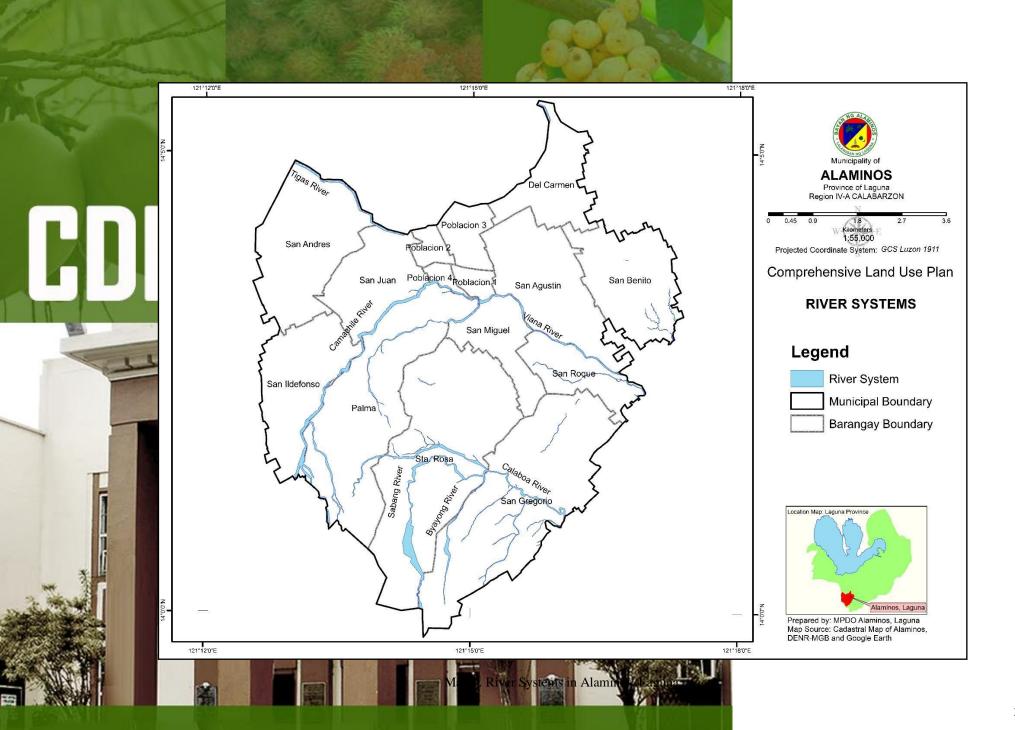
Soil Type and Classification

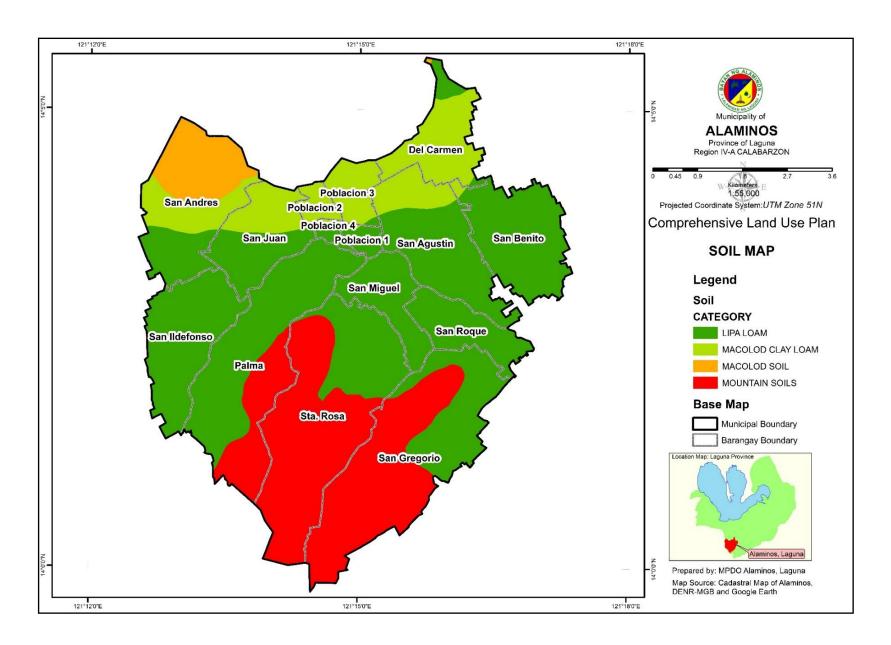
Lipa Loam is the dominant type of soil in Alaminos, comprising a total of 2,942.51 hectares (55.05%) of the total land area (refer to Map 8). This type of soil is a Eutropepts-Tropudalfs Association characterized by a thick argillic horizon with maximum soil depth of 1.8 meters. It has a reddish to yellowish red color, with fine to medium angular to sub-angular blocky structures. The texture is characterized as fine to clayey. The infiltration rate is moderate due of its clayey structure.

Aside from Lipa loam, Alaminos also has parts made up of 229.16 hectares (4.29%) Macolod. Its residual soils originated from igneous basalt rocks characterized as having a dark grayish brown color and a slightly compact, granular clay loam of about 50-70 centimeters deep overlaying weathered basalt rocks subsoil. Imbedded ground lenses could be detected sometimes in its profile. Macolod soil can be found in the rolling areas around the foot of Mount Makiling.









Map 8. Soil Map of Alaminos, Laguna

Macolod clay loam makes up the 759.92 hectares (14.22%) of the municipality. It is characterized by a dark grayish brown to brown color and generally possesses fine rounded gravels, black andesite rocks exposed on steep slopes, and diffused inter-horizontal boundary.

The remaining soil type – Mountain soils covers 1,431.76 hectares (26.44%) of Alaminos. Its textural group is unknown. Table RM 4 and Map 11 show the different soil types and its area in hectares. Table 6 summarized the different soil types per barangay and the percentages of composition.

Table 6. Soil Type of Alaminos, Laguna

Table 0. Son Type of Adminos, Laguna		Tech Street
Soil Type	Area (Ha)	Percentage
Lipa Loam	2,942.51	55.05
Macolod	229.16	4.29
Macolod Clay Loam	759.92	14.22
Mountain Soils	1,413.76	26.44
Total	5,345.35	100

Source: MPDO GIS computation 2017, Bureau of Soil and Water Management, 2012

	2007/2015	100	ORNER DE	AMINI	100000		
Ta	ble 7. Soil	Type	per B	aranga	y of A	aminos, I	aguna

Barangay	Description	Area (Ha)	Percentage
	Macolod Soil	1.39	0.54
Del Carmon	Macolod Clay Loan	223.42	86.60
	Lipa Loan	3.19	12.86
Palma	Lipa Loai	7.26	69.93
	Mountain le ls	78.10	30.07
Poblacion 1	Macolod Clay Loan	nd 11	9.42
	Lipa Loam	539.50	90.58
Poblacion 2	Macolod Clay Loan	49.38	100
Poblacion 3	Macolod Clay Loam	106.76	95.6L
	Lipa Loam	4.90	4.39
Poblacion 4	Macolod Clay Loam	1 5:70 The Control of	20.28
33	Lipa Loam —	723.01	81.56
San Agustin	Macolod Clay Loam	7 104.37 7	23.78
	Lipa Loam	334.56	76.24
San Andres	Macolod	7.77	46.05
	Macolod Cay Loam	7.50	27.80
10 10 10	Lipa Loam	129.36	26.15
San Benito	Macolod Clay Loam	7.21	1.90
The state	Lipa Loam	371.88	98.10
San Gregorio	Lipa Loam	287.95	33.58
- 4	Mountain Soils	569.43	66.41
San Ildefonso	Lipa Loam	380.77	100
San Juan	Macolod Clay Loam	121.48	42.28
	Lipa Loam	165.84	57.72
San Miguel	Lipa Loam	199.88	100
San Roque	Lipa Loam	197.77	100
Sta. Rosa	Lipa Loam	266.63	29.86
	Mountain Soils	626.23	70.14
Total		5,345.35	-

Source: MPDO GIS computation 2017, Bureau of Soil and Water Management (BSWM),





Soil Suitability

Lipa Loam and Macolod are highly suitable for urban expansion, recreational use, road, parking lots and sewage disposal while Macolod clay loam is low to moderately suitable. Mountain soils, however, are not suitable for specific land use. This type of soilisfound in barangays Palma, Sta. Rosa, and San Gregorio. Suitability ratings for specific land uses based on the standards of BSWM are presented in Table 8.

Land suitability reflects the degree of soil suitability. The class S1 refers to highly suitable, which means that the land has no significant limitations to sustained application to a given use or only minor limitations that will not significantly reduce its productivity or benefits. Class S2 refersto a moderately suitable land, which will reduce the land's productivity or benefits and increase required inputs to the extent that the overall advantage to be gained from the use, although still attractive, will be appreciably inferior to that expected on Class S1 land. Moreover, reduced productivity or increased required inputs will be only marginally justified with land limitation, which is categorized as Class S3, the marginally suitable or not suitable.

Table 8. Soil Type Suitability for Specific Land Use in Alaminos, Laguna

31	Soil Suitability for Specific Land Use				
Soil Type	Urban Use	Recreational Use	Agriculture	Road, Parking Lots	Sewage Disposal
Lipa Loam	S1	S 1	S 1	S1	S1
Macolod	S 1	S 1	S 1	S1	S1
Macolod Clay Loam	S 3	S2	S2	S 3	S3
Mountain Soils	S 3	S 3	S 3	S3	S3

Source: MPDO 2017; BSWM, 2012

Legend: S1 - Highly Suitable; S2-Moderately Suitable; S3-Not Suitable; S4-Extremely not Suitable

Land Capability

Land capability is determined by the area's physical attributes such as slope, soil type, soil drainage, depth of water table and bedrock, degree of erosion, and flooding hazards. Table 9, 10, and 11 show the soil suitability for urban, recreational, roads, streets and parking lots.

Table 9. Soil Suitability for Urban Usein Alaminos, Laguna

Items Affecting Uses	Land Description	Degree of Suitability
	0-10%	S1
Slone	15%	S2
Slope	15-25%	S 3
	25% and above	S4
Soil characteristics	Clay loam to clayey texture and sandy	S1
Soft characteristics	solum texture	31
	No flooding	S1
Flooding	Moderately Flooded	S2
	Extreme Submerged Problem	S3
	None to moderately eroded	S1
Erosion	Moderate to severely eroded	S2
EIOSIOII	Severely Eroded	S 3
	Very severe erosion	S4

Source: MPDO 2017; BSWM,2012

S1 - Highly Suitable; S2-Moderately Suitable; S3-Not Suitable; S4-Extremely not Suitable

Table 10. Soil Suitability for Recreational Use in Alaminos, Laguna

Items Affecting Uses	Land Description	Degree of Suitability
	0-3%	S1
Slope	3-8%	S2
	8-30%	S 3
Depth to water table	Greater than 1 m	S1
Depth to bedrock	Greater than 1 m	S1
	Low-Moderate susceptibility	S1
Flooding hazard	Moderate susceptibility	S2
	High susceptibility	S3
Soil drainage	Good drainage	S1
Erosion	None to moderately eroded	S1
	Moderate to severely eroded	S2
	Severely Eroded	S3
	Very severe erosion	S4

Source: MPDO 2017; BSWM,2012

S1 - Highly Suitable; S2-Moderately Suitable; S3-Not Suitable; S4-Extremely not Suitable

Table 11. Soil Suitability for Roads, Streets, and Parking Lots in Alaminos, Laguna

Items Affecting Uses	Land Description	Degree of Suitability
	0-10%	S1
C1 - · · ·	15%	S2
Slope	15-25%	S3
	25% and above	S4
Depth to Bedrock	Greater than 1 m	S1
Depth to water table	Greater than 1 m	S1
	No flooding	S1
Flooding	Moderately Flooded	S2
	Extreme Submerged Problem	S3-S4
Soil drainage	Excessively drained	S1
Erosion	None to moderately eroded	S1
	Moderate to severely eroded	S2
	Severely Eroded	S3
	Very severe erosion	S4

Source: MPDO 2017; BSWM,2012

S1 - Highly Suitable; S2-Moderately Suitable; S3-Not Suitable; S4-Extremely not Suitable

Hydrogeologic Features

Climate Data

The municipality of Alaminos falls under Type I and Type 3 of the Philippine Climate Corona Classification. Type 1 climate has two pronounce seasons, which is dry from November to April and wet during the rest of the year. While Type 3 climate is characterized by having not very pronounced, relatively dry from November to April, and wet during the rest of the year (refer to Map 9).

Meteorological Data

Alaminos has a significant rainfall most months, with a short dry season. The driest month is February, with an average rainfall of 30 millimeters. In July, the precipitation reaches its peak with an average of 278 millimeters. The warmest month of the year is May, with an average temperature of 28.0 degrees Celsius or 82.4 degrees Fahrenheit. January is considered the coldest month of the year with an average of 24.7 degrees Celsius or 76.46 degrees Fahrenheit.

The difference in precipitation between the driest month and the wettest month is 248 millimeters. The variation in annual temperature is around 3.3 degrees Celsius. Fluctuations in temperature and precipitation pose threat to the agricultural production's stability and productivity. However, in the case of Alaminos, most of the crops such as rambutan, lanzones and coconut are considered perennial crops, which are indirectly affected due to the crops' drought and water tolerance characteristics.

Temperature and Humidity

The dry season lasts for 1.9 months (58 days) from April to June, with an average daily high temperature above 32.0 degrees Celsius or 89.6 degrees Fahrenheit. The hottest day of the year is April, with an average high temperature of 33.0 degrees Celsius or 91.4 degrees Fahrenheit and low of 24.0 degrees Celsius or 75.2 degrees Fahrenheit.

The wet season lasts for 2.8 months (85 days) from November to February, with an average daily high temperature below 29.0 degrees Celsius or 84.2 degrees Fahrenheit. The coldest month of the year is January, with an average low temperature of 21.0 degrees Celsius or 69.8degrees Fahrenheit and high of 28.0 degrees Celsius or 82.4degrees Fahrenheit.

The average monthly humidity of Alaminos is 80.25 percent.

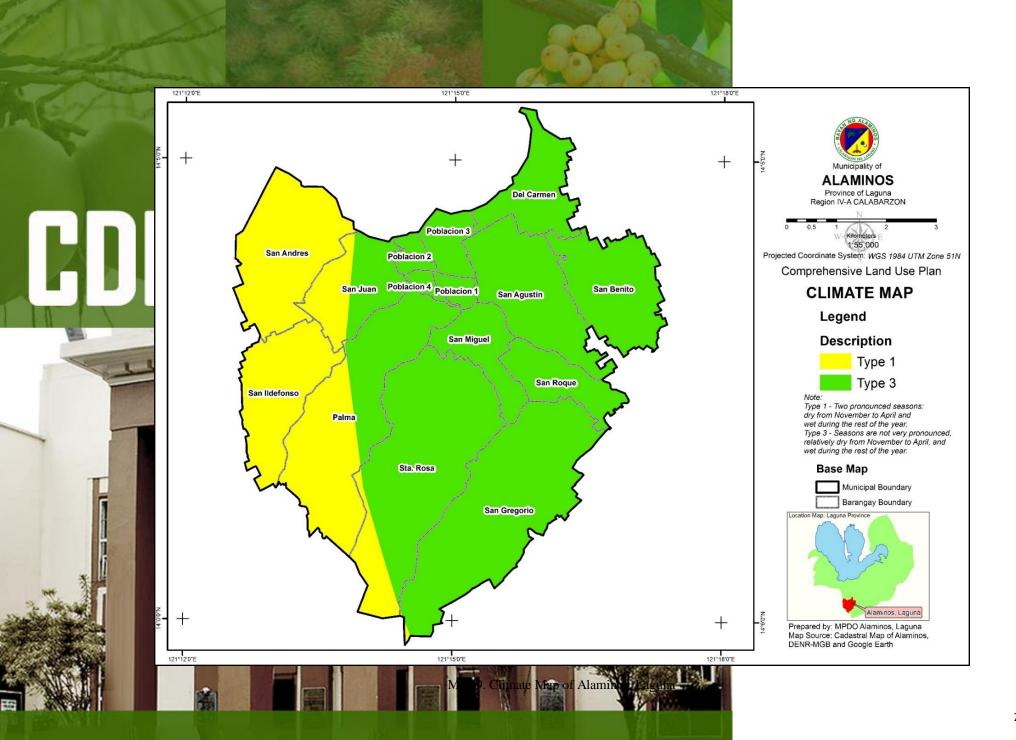
Changes in temperature patterns combined with climate change and its impacts, threaten the agricultural stability and productivity. This can be indicative to shift of production seasons, pest and disease patterns, and modify the set of feasible crops affecting production, prices, incomes and ultimately livelihoods and lives.

Rainfall

Alaminos also experiences heavy rainfall from June to December. An average of 274.8 millimeters precipitation can be experienced in October. Rainfall is an indication of profound changes in the hydrological cycle, where the rate of precipitation and evaporation are also connected. Changes in rainfall could have a direct impact on negative changes in agricultural sector. In addition, the variation of rainfall during growing season affects crops and income of the farmers. Higher dependency on income from staple crops will be associated with declining agriculture incomes.

Wind Patterns

The peak wind velocity is observed from February to May with a prevailing direction of northeast. Southwest wind is observed in the months of July and August. Peak win



velocity refers to the highest wind speed observed during a given 24-hour period. This is a measurement of a burst or a gust of wind felt over a very short period.

The direction, speed and frequency of wind influences the building design including bracing requirements, roof and wall cladding selection, weather tightness detailing, building entry locations, window size and placement and provision of shelter for outdoor spaces. Wind pattern is one of the factors that determines the land use of an area since it heavily influences the physical and biological processes.

Geology JOHOL

Alaminos is dominated by Quaternary Taal Tuff (Qtt), Talahib Andesite (Nta) and Quarternary Volcanic (Qv) which covers 77.30 percent, 21.63 percent and 1.07 percent, respectively (refer to Map 10). Table 12 summarizes the geological features of Alaminos with description, area in hectares and its percentage.

Table 12. Geology of Alaminos, Laguna RAYAN

Geology	Geology Description		Percentage to Total Area
-Qui	Characterize by fine to medium grained	,132.12	77.30
Nta	Mandy andesite Towns interbedded the thin layers of pyrocustic and bedded to the	1,156.13	21.63
i Qv	Mainly basalt and an lesite flow and associated pyred sile deposits	57.1	1.07
1	Total	3345.35	100
Source: DENI	R-MGB and MPDO GIS computation 2017	A STATE OF THE STA	THE RESIDENCE OF THE PERSON NAMED IN

Groundwater Resources

Alaminos is classified into two (2) groundwater availability classifications namely: i-C (local and less productive aquifers) and III-B (rocks—without any known significant groundwater obtainable through drilled wells, largely untested) (refer to Map 11).

The northern and eastern parts of Alaminos, which include barangays Del Carmen, San Benito, San Agustin, San Mighe. San Roque, and coblacion acto 4, most parts of barangays San Andres, and portions of barangays San Juan, Falma, Sta. Rosa, and San Gregorio belong

to the I-C classifications. These barangays have less productive aquifers. Further, I-C yields about two (2) liter per second to as high as 20 liters per secondin some sites, with very low to moderate permeability.

The northwestern part of Alaminos falls under the classification of III-B, which is not a potential sole source of drinking water. The areas are found in barangays San Andres and San Juan, the western part which include barangay San Ildefonso, the south-west part which include almost three-fourths (3/4) of barangay Palma and the southern part which include the greater portions of barangays Sta. Rosa and San Gregorio.

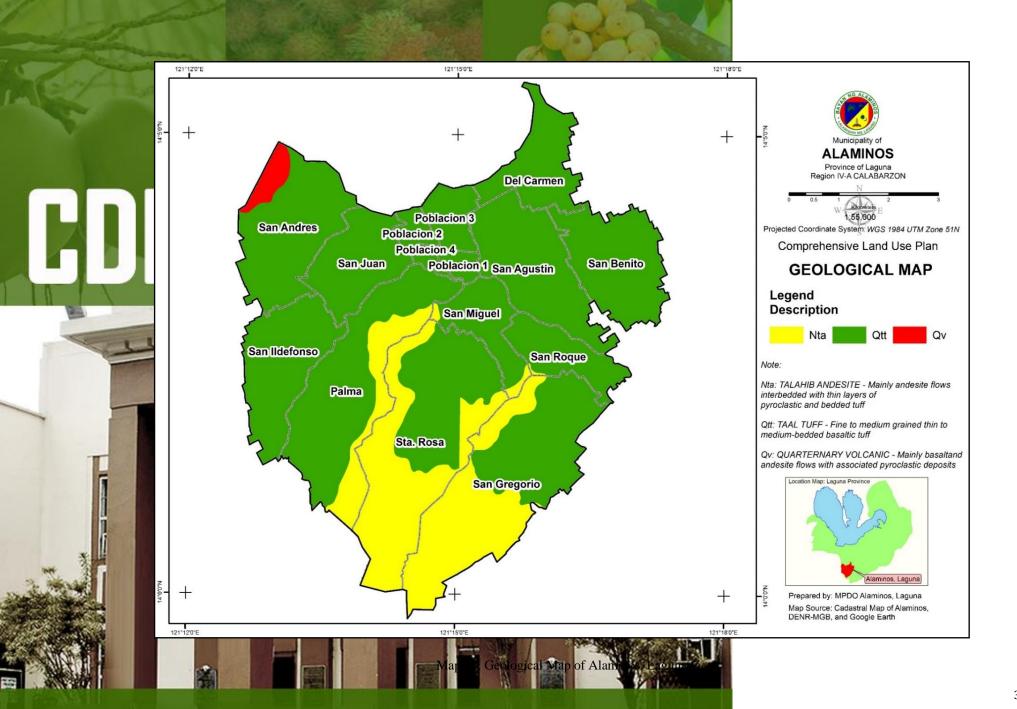
Mineral Resources

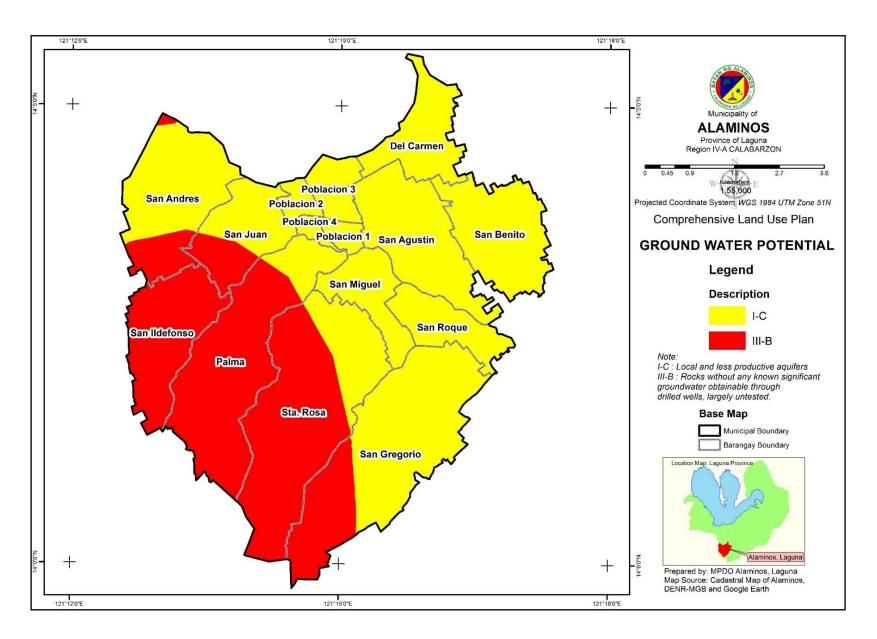
PRAFII F

Geological processes create mineral resources. This is essential for industrial and economic development, thus with its highest and best use without any risks to people and its environment. A total of 497.67 hectares (9.31%) is classified as mineral

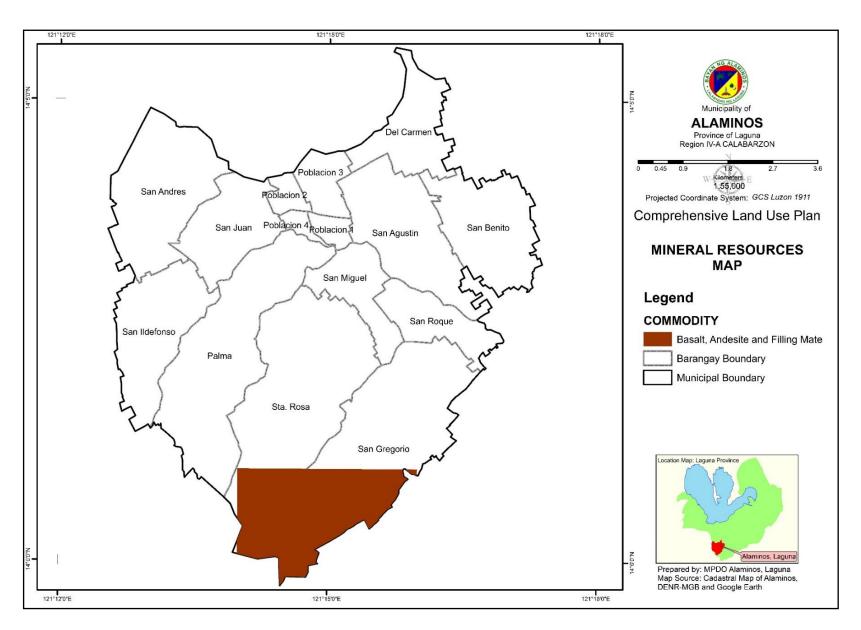








Map 11. Ground Water Potential Map of Alaminos, Laguna



Map 12. Mineral Resources Map of Alaminos, Laguna

resources. It is located in the southern portions of barangays Sta. Rosa and San Gregorio, wherein Mt. Olila and Mt. Pataguin are found (refer Map 12).

Forest Ecosysten

Forest contains a greater range of biodiversity than any other ecosystems and play an important role in economic and social benefits. Alaminos' forest area has an area of 894.52 hectares (16.73%) of the total land area. These are located in barangays San Gregorio, Sta. Rosa and Palma (refer to Map 13).

National Integrated Protected Areas (NIPAS

The municipality of Alaminos has no critical/protected area defined under Republic Act No. 7586, NIPAS Act of 1992. There are areas that are locally proclaimed protected area to maintain and preserve the natural conditions to the greatest extent potential. These locally proclaimed protected areas make up a total of 893.28 hectares (16.71%) and are located in barangays Palma, Sta. Rosa, and San Gregorio.

These locally proclaimed protected areas are based on the previous comprehensive land use plan of the municipality are will be expanded to other areas areas to the protected such as historical areas character prone areas, areas to the slope about 8 percent and deterior and grives and creeks

L. Ex<mark>isti</mark>ng Land Uses

and Classification

The total land area of the municipality is 5,345.35 bectares. Table 13 shows the alienable and disposable lands, which cover 5,202.38 hectares (97.33%) of the total land, while forest reserve covering 142.97 hectares (2.67%) (refer to Map 14).

Table 13 Land Classification of Alaminos Laguna

Land Classification	Area (ha)	% to Total Area
Alienable and Disposable Land	5202.38	97.33
Forest Reserve	142.97	2.67
Total	5345.	100

Source: DENR-MGB and MPDO GIS Computation 201

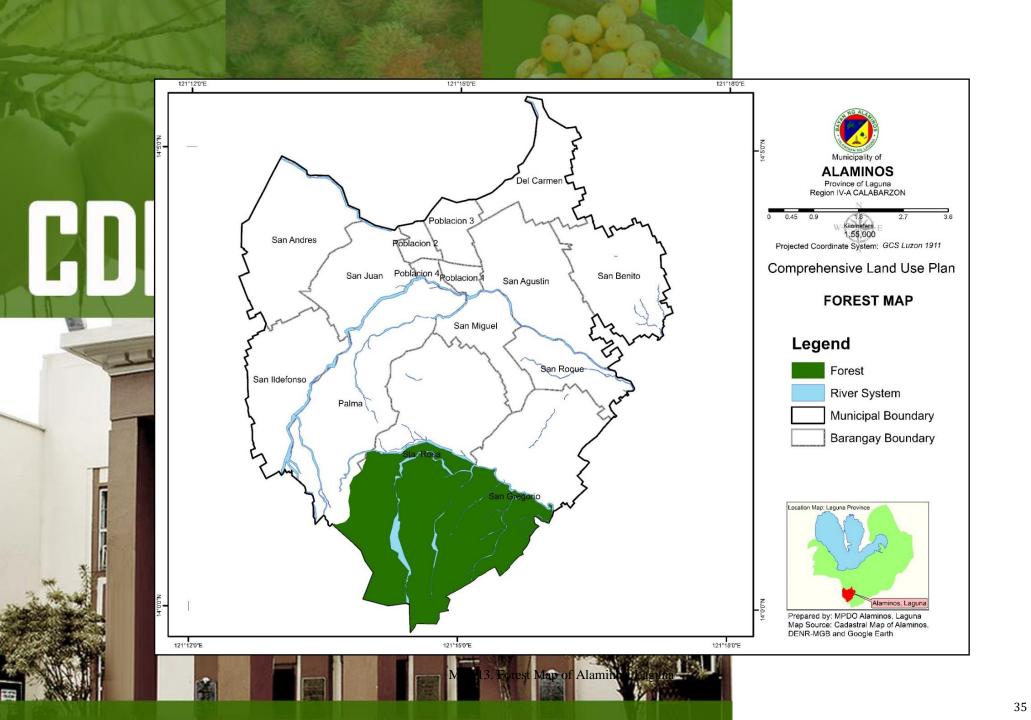
Land Cover

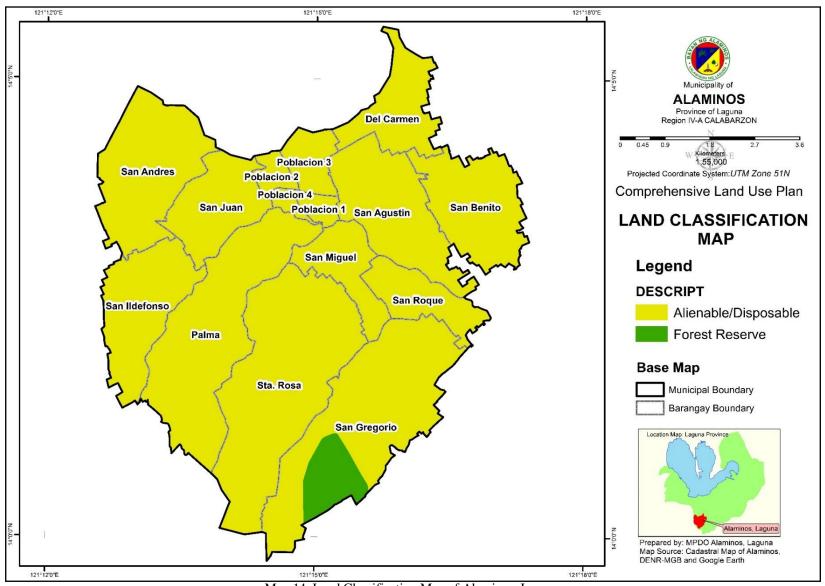
Based from the 2017 Google Earth satellite imagery, the land cover of Alaminos is consist of built-up, coconut with cropland mixed, annual crop, grassland, grassland and shrub land, other wooded grasslands, inland water body, open forest/mixed trees and rivers and creeks (refer to Map 15).

Table 14 shows that the majority of the area is perennial crop such as coconut, lanzones, and rambutan with a total area of 3,093.69 hectares (57.88%), followed by open forest/mixed trees, built up, grassland and shrub land, annual crop, river and creeks, grassland, other wooded grasslands and inland water body with an area covers 893.26 hectares, 537.35 hectares, 361.00 hectares, 187.42 hectares, 125.47 hectares, 123.58 hectares, 23.14 hectares, and 0.44 hectares, respectively. However, these areas are only based on GIS digitized from satellite imagery and not accurate as compared to

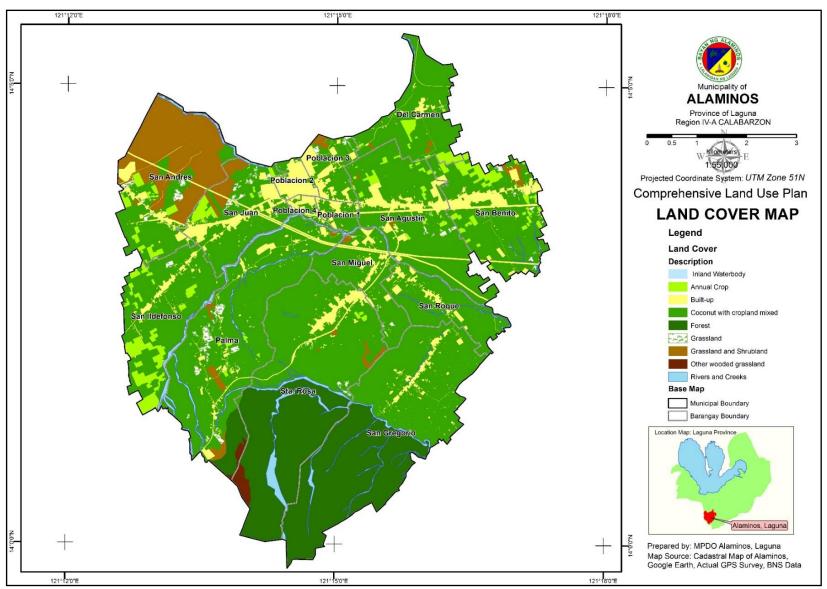








Map 14. Land Classification Map of Alaminos, Laguna



Map 15. Land Cover Map of Alaminos, Laguna

data on the ground. Thus, areas should be validated by authorized office of the municipality.

Table 14. Land Cover of Alaminos, Laguna

Land Cover	Area (Ha)	Percentage to Total Area
Built-up	537.35	10.05
Coconut with cropland mixed	3,093.69	57.88
Annual Crop	187.42	3.51
Grassland	123.58	2.31
Grassland and Shrub land	361.00	6.75
Other Wooded Grasslands	23.14	0.43
Inland Water body	0.44	0.01
Open Forest/Mixed Trees	893.26	16.71
Rivers and Creeks	125.47	2.35
Total	3,545.35	100

Source: MPDO GIS computation 2017

PAMAHALAANG BAYAN

The predominant lan total la area of 3,488.98 s agri Iture, havi (16.719 planned unit hectare follow develor and C with an area 00.03 hectares owne (5.61pesting land us ategory, area and nt) (ref o Mar summar its perc age.

ı	Table 15. Existing General Lanceses	of Alaminos, Laguna	- com
į	Land Use Category	Land Area (Ha)	% to Total Land Area
ı	Agriculture	3,488,98	65.27
ı	Inland Water body	0.43	0.01
	MRF	0.15	0.003
ì	Residential	299.58	5.60
9	Agri-Industrial	56.47	1.06
9	Cemetery	8.10	0:15 5 may 2
Ç	Commercial	19.95	0.37
ŧ	Forest	89238	16.71
ĝ	[Industrial	6. 9	0.13
	Institutional	16.44	0.31
	PUD	300.03	5.61
	Recreational	0.19	0.00
	Rivers and Creeks	125.13	2.34
	Road Network	128.78	2.41
	Tourism	1.04	0.02
	Total	5 345 35	100

Built-Up Areas

The majority urban built up land areas are concentrated in barangays Poblacion 1, Poblacion 2, Poblacion 3, and Poblacion 4, San Benito and San Agustin categorized as agri-industrial, cemetery, commercial, institutional, industrial, residential, recreational, transportation network, and tourism. Table 16 shows the urban built-up area of municipality which covers 103.83 hectares (4.65%) of the total land area.



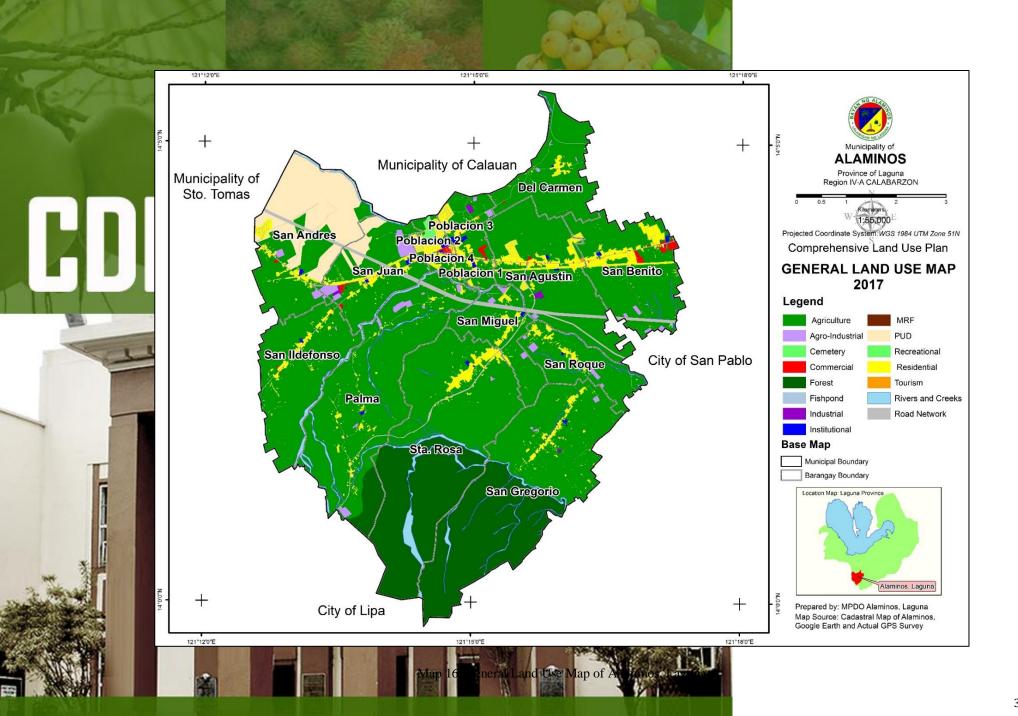


Table 16. Distribution of Existing Urban Built-up of Alaminos, Laguna

Land Use Categories	Urban Built-Up Areas (Ha)	Percentage of Urban to Existing Built-Up Areas
Residential	150.48	2.82%
Commercial	16.08	0.30%
Institutional	10.16	0.19%
Transportation	50.16	0.94%
Agri-Industrial	8.00	0.15%
Tourism	0.93	0.02%
Industrial	4.75	0.09%
Recreational	0.09	0.002%
Cemetery	8.10	0.15%
Total	103.91	4.65%

Source: MPDO GIS computation 2017

Agricultural areas

BAYAN

The total agricult of the municipality is 3.488.98hectares, which is mostly gustin and San Grego Still, crop land located in barangays San mixed it are p a of 122 ectares or 2.30 areas Benito, 365 percent tural ectares in San 8.79 Agustii 7.36 1 Poblacion 2 8 hectares in ares 5 hect Poblac 3 and 12.0

Alaminos does not have abundant water sources out there are areas suited for crops that require less water consumption, such as perennial crops its coconat, rambutan, lanzones, papaya, banana and pineapple. In addition, most of the armers are very dependent on perennial crops that can live more than one-year despite being harvested annually.

Planned Unit Development

Planned unit development (PUD) is significant and unique to the municipality. This area is designated for carbon forest, solar farm, and will be developed for housing, industrial and commercial purposes. The PUD, owned by Ayala Land Corporation, takes up as total of 300.03 hectares (5.61%) of the land area of Ala linos. In addition, the PUD is cure it is categorized under industrial zero however, development has us to be seen in the area.

Other Uses

Other land uses include roads networks, cemeteries and dumpsite found in the municipality. Transportation networks have an estimated area of 128.88 hectares (2.4%) of the total land area of Alaminos.

According to the Municipal Assessor's data, cemeteries have a total land area for burial sites (public cemetery, Memorial park and Roloma) of 8.1hectares. On the other hand, based on GIS digitized from satellite imagery, cemeteries have a total area of 1.60 hectares (public cemetery), 3.50 hectares (Memorial park) and 3.00 hectares (Roloma), with a total land area of 8.1 hectares. Moreover, the public cemetery has already reached its carrying capacity. The construction of Roloma and Mulberry cemeteries will provide additional space and services for the public. However, the construction of Mulberry Memorial Park is still ongoing and is expected to be completed in 2019.





About 0.15 hectare (0.003%) is used for municipal material recovery facility (MRF). There are 11 MRFs in Alaminos, however, MRFs in San Gregorio and Del Carmen are not functional.

Water Bodies

Based from Google satellite image and GIS computed data, rivers and creeks have a total area of 125.13 hectares (2.34%) while, inland water body covers a total area of 0.43 hectares (0.01%) is located in barangay San Benito. Inland water body adjacent to creek, river and lagoon can serve as potential sources of water for tilapia fishpond. However, these water bodies are only being used for household consumption.

Existing Urban Land Use

The urban areas are composed of six (6) barangays namely Poblacion 1, Poblacion 2, Poblacion 3, Poblacion 4, San Agustin and San Benito. Most of the urban land uses are covered by agricultural land with a total land area of 794.90 hectares (refer to Map 17). The agriculture land within the urban barangays are may be use for non-agricultural purposes or urban expansion, taking into considerations the physical attributes, hazards and the existing land uses in the area. This is followed by residential areas covering a total area of 150.48 hectares. In addition, some barangays such as barangays San Benito and Del Carmen have areas planned for residential or socialized housing project to reduce the congestion in urban areas. These housing projects are built and owned by private corporations.

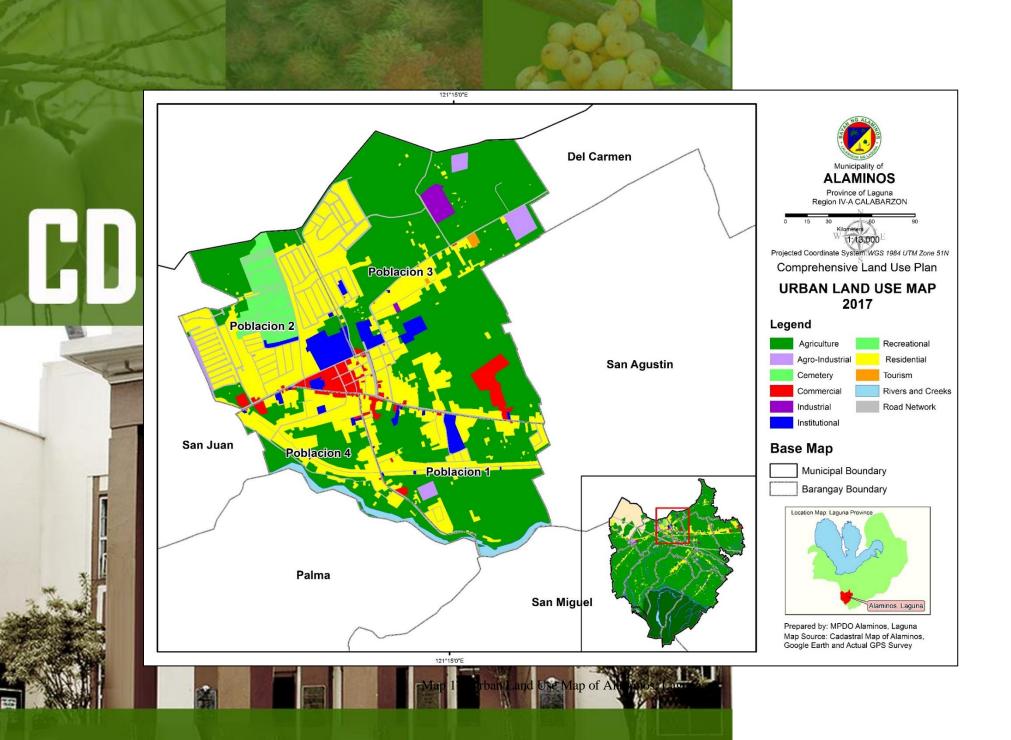
Transportation networks ranked as third (3rd) in terms of land area in urban barangays. These include roads and rail tracks. The road networks are classified as either concrete or asphalt. These roads include national (Maharlika Highway), provincial going to Limao, Calauan, Laguna, municipal, barangay and private roads that include subdivisions. Private roads are the longest in urban areas measuring 15.50 kilometers while the shortest road is the provincial road, going to Calauan, which is 0.514 kilometers in length. The measurements of length are based on GIS computation.

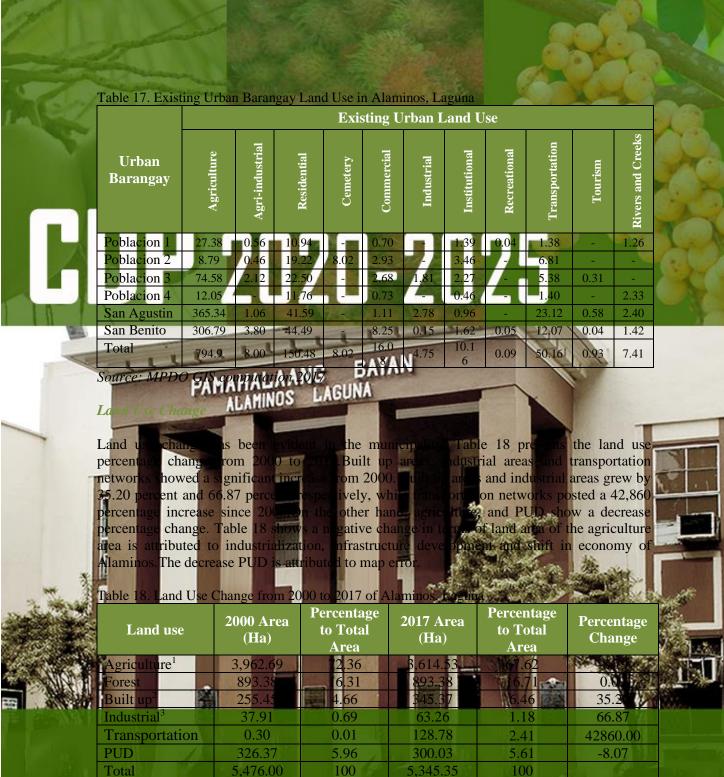
Commercial establishments such as public market, banks, and other small-medium scale enterprises all urbanareas make up 16.08 hectares. Industrial establishments located in barangays Poblacion 3, San Agustin and San Benito have 4.75 hectares. The commercial and industrial areas are the main source of income of the area.

The institutional areas cover a total land area of 10.16 hectares. It includes schools, which occupied the largest portion, followed by government offices such as municipal, and barangay office, police station, rural health center and Provincial Office of Philippine Coconut Authority-Rizal and Lagunaand churches.

The existence of recreational activities and tourism sites such as covered court and private resort balances both physical and mental well-being of the community. Recreational areas are located in barangays Poblacion 1 and Poblacion 3.

Agri-industrial areas in barangays Poblacion 1, Poblacion 2, Poblacion 3, San Agustin and San Benito include poultry for broiler production and hatchery and piggery farm for fattener, make up a total land area of eight (8) hectares.





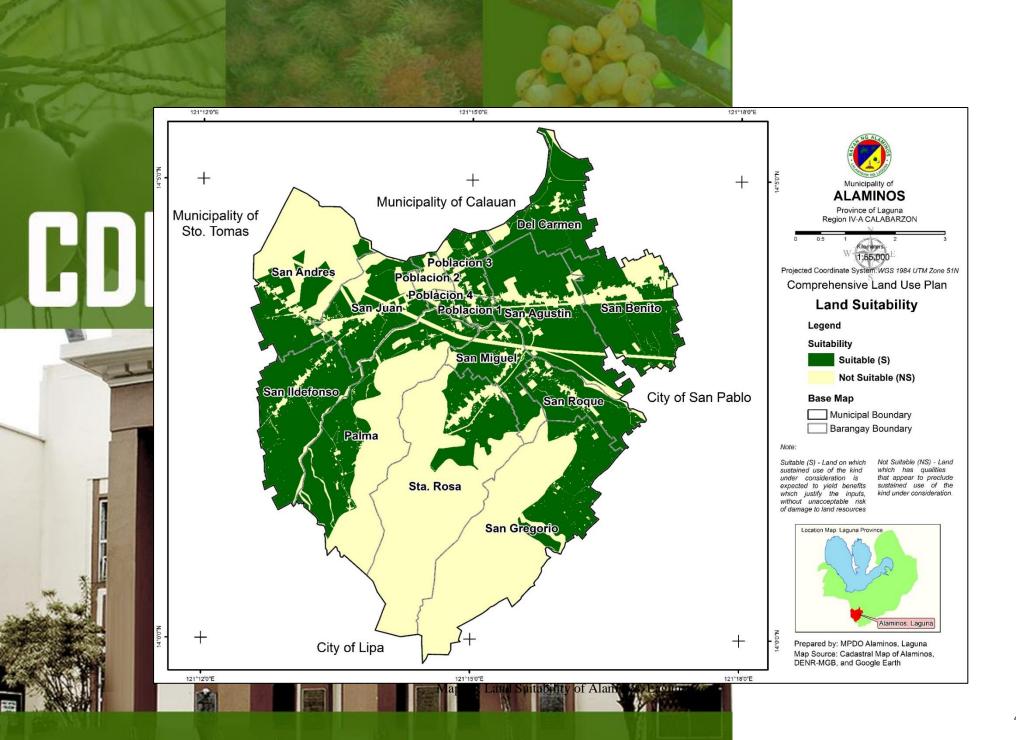
Source: MPDO GIS computation 2017, 2000 CLUP includes water bodies, rivers and creeks includes residential, commercial, institutional includes PUD

Land Suitability

Land suitability refers fitness of a particular land for a defined use. In the case of Alaminos, land suitability is computed by subtracting physical and natural features such as current built up areas, hazard prone areas with high susceptibility, slope with 18







percent and above, soil not suitable for urban development and expansion, protected areas, and approved infrastructure projects to the total land area (refer to Table 19 and Map 18).

Alaminos has a total of 2,731.12 hectares (51.09%) of land suitable for urban development and expansion. Hazard prone areas with moderate and low susceptibility and ground shaking are included under the suitable areas for expansion, provided that policies are in-placed and strictly implemented.

Table 19. Area of land suitable for urban development and expansion in Alaminos, Laguna

Barangay	Suitable (ha)	Not Suitable (ha)	Total Land Area
Del Carmen	230.40	27.60	258.00
Palma	316.94	408.42	725.36
Poblacion 1	27.36	16.25	43.61
Poblacion 2	8.79	40.58	49.37
Poblacion 3	73.66 BAVAIN	38.00	111.66
Poblacion 4	LIALAAN205 BAIA	16.66	28.71
San Agustin Marketin	358.19UNA	80.74	438.93
San Andres	174.34	320.3	494.64
S Benito	283-1	99	379.09
San regon	240.41	616.96	857.37
San Lefonso	3483	31.95	380.77
San Juan	1918	9251	287.32
San Miguel	39.2	6,65	199.89
San Roque	166.02	3074	197.76
Sta. Rosa	159.9	762.87	892.86
T otal	2,731. 2	2,614.23	5,345.35
Source: M <mark>PDO GIS co</mark>	emputation 2018, 2000 CLUP		A CONTRACTOR OF THE PARTY OF TH

ronm<mark>ental Conditions</mark>

This section pertains to environmental conditions of Alanhinos. The impacts on the environment at present and projected scenarios are described and analyzed. The key that ents are considered namely; classification and quality of bodies of water, pollution sources hazards and its potential impacts for population and informal ettlements within easen this existing and uses built-up weak social sector facilities economic sector facil as

infrastructure sector facilities and Climate Change Vulnerability Assessment (CCVA). CCVA is determined through the assessment of its exposure to vulnerability, sensitivity to vulnerability and its adaptive capacity. The information and results of analysis serve as a guide to reduce the negative impacts on environment brought by disasters and climate change and to increase the adaptive capacity of the municipality. Moreover, the result of assessment helps to maintain in a state of equilibrium for healthy and safe environment.

Probable Sources of Pollution

Possible contamination may occur from point source or non-point source of pollution. Based on the series of workshops and Key Informant Interviews (KIIs), it was reported that unpleasant odor coming from the poultry, vehicle and some animal industries. Improper waste disposal, clogged canals and lack of sewerage systems are also major contributors of pollution in the municipality.

Water Quality



Alaminos has six (6) major rivers and categorized as Class D namely Viana, Camachile, Sabang, Byayong, and Calaboa and Class C with Tigas River. Table 20 shows the location of the rivers and its water quality classification while Table 21 provides the description of the water quality classification.

Table 20. River Water Quality Classification of Alaminos, Laguna

River	Location/Barangay	Classification
Tigas	San Andres, San Juan, Poblacion 2, Poblacion 3, and Del Carmen	Class C
Viana	San Miguel, San Roque, Poblacion 2, Poblacion 4, San Agustin and Palma	Class D
Camachile	Poblacion 4, San Juan, Palma and San Ildefonso	Class D
Sabang	Sta. Rosa and San Gregorio	Class D
Byayong	Sta. Rosa and San Gregorio	Class D
Calaboa	San Gregorio	Class D

Source: MPDO (2017) and DENR-DAO No. 34 (Revised Water Usage Criteria) Section 68 and 69, Chapter 2 of the 1978 NPCC Rules and Regulation

Table 21. Classification of Fresh Surface Water

Classification	Beneficial Use
Class AA	Public Water Supply Class I. Intended primarily for water having watersheds which require only approved disinfection in order to meet the National Standards for Drinking Water (NSWD) of the Philippines
Class A	Public Water Supply Class II. For sources of water supply that will require complete treatment (coagulation, sedimentation, filtration and disinfection) in order to meet the NSDW
Class B	Recreational Water Class. For primary contact recreations such as bathing, swimming, ski diving etc., (particularly those designated for tourism purpose)
Class C	Fishery water for the propagation and growth of fish and other aquatic resources; Recreational water class II; Industrial water class I; (for manufacturing processes after treatment)
Class D	For agriculture, irrigation, livestock, watering etc., Industrial water supply class II (Cooling etc.,) Other inland waters, by their quality, belong to this classification

Source: DENR DAO No. 34 (Revised Water Usage Criteria) Section 68 & 69, Chapter II of the 1978 NPCC Rules and Regulations

Hazard Profile

Natural hazard is a threat event that occurs naturally and cause tremendous damage of life and property. When natural hazards occur, humans, agricultural areas, built and natural environments areas at risk. Although, there are many natural factors that contributed to hazard incidence such geology, topography and relief. Human activities can also adversely affect the environment and increase the impact of disasters.

Historical Data

Disaster events caused by natural hazards are becoming more and more frequent. It is important to record the damages and losses to better manage and reduce its effects and

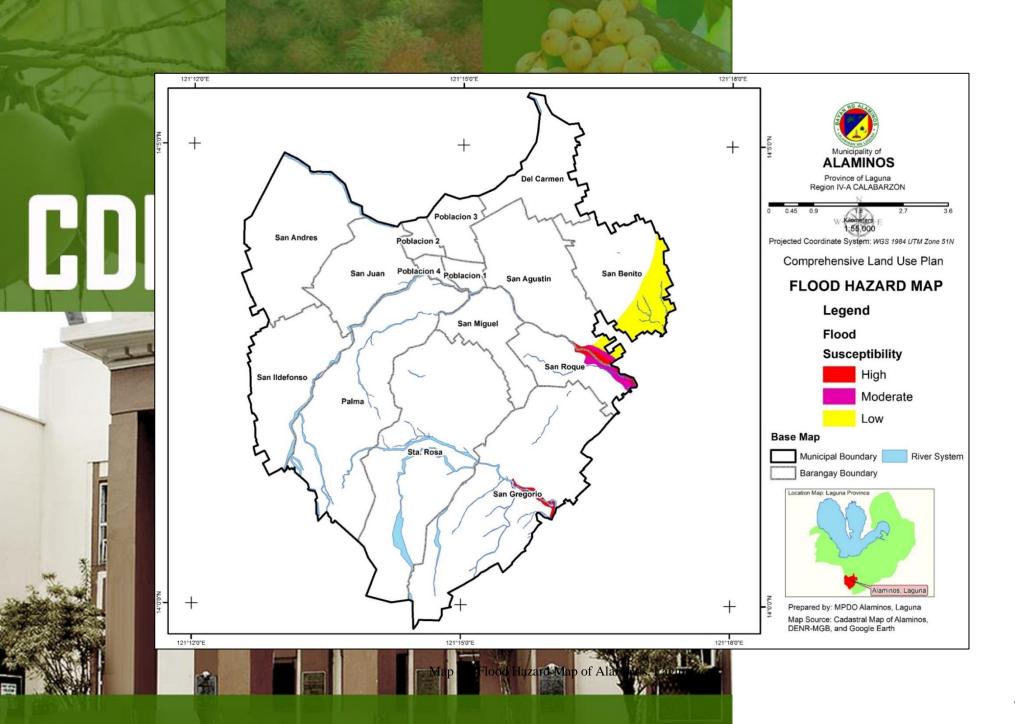
impacts to the community, its settlements and land. Historical data enables the government and other institutions to generate appropriate adaptation and mitigation measures.

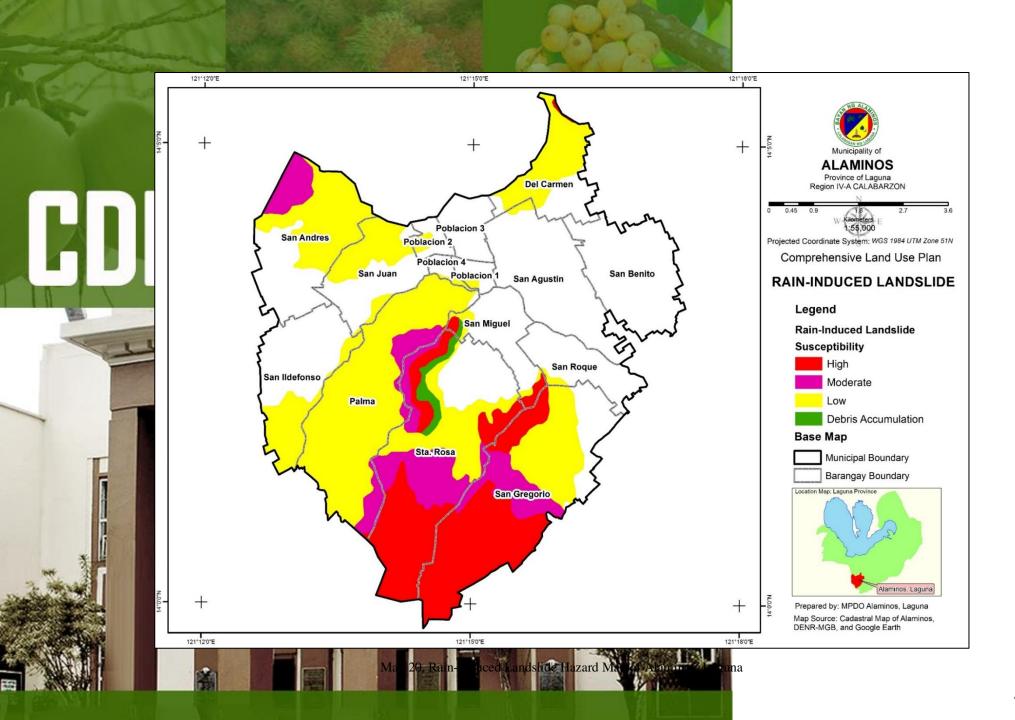
Table 22 shows the historical disaster information of the municipality of Alaminos from 1967 to 2014, derived from the several Climate and Disaster Risk Assessment (CDRA) Workshops.

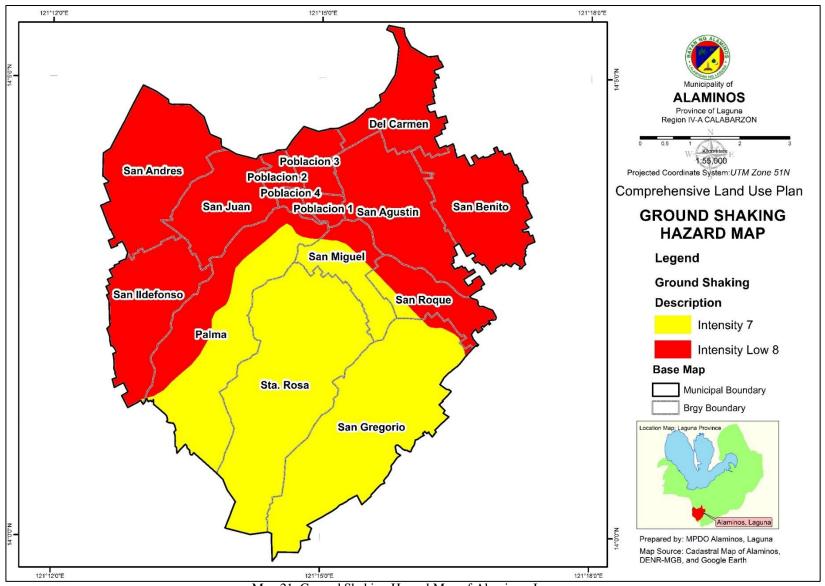
Table 22. Historical Disaster Information of Alaminos, Laguna

Table 22. Historical Disaster Information of Alaminos, Laguna					
Year	Name	Type	Affected Areas/Barangay/Effect		
1967	Welming	Super Typhoon	San Juan Poblacion III - affected by flashflood (knee-level)		
1976	Taal Volcano Eruption	Ash Fall	Municipal wide		
1990	No data	EIL	No data		
1991	Mt. Pinatubo Eruption	Ash Fall	Municipal wide –damagedcrops and trees		
1995	Rosing	Super Typhoon	Poblacion III (San Pedro Ibaba)		
2006	Milenyo	Typhoon	Sta. Rosa – damaged lanzones and rambutan San Miguel Poblacion IV San Benito San Roque San Gregorio – 300 affected families, damaged crops including banana and coconuts, 1 casualty		
		RIL	Sta. Rosa		
2009	Ondoy	Typhoon	San Roque – partially damaged houses		
2013	Yolanda	Super Typhoon	Poblacion II – partial and totally damaged houses, ~200 houses partially damaged		
2014	Glenda	Typhoon	San Miguel – 1 casualty, San Benito Poblacion I Poblacion III Sta. Rosa - damaged roofs Del Carmen San Ildefonso San Roque - 2 houses damaged Municipal wide - 1ater and power interruption for 2 weeks in all barangays		
		Rain-Induced Landslide	Poblacion I - 190 partially damaged households San Miguel Sta. Rosa		
2017	Maring	Typhoon	Municipal Wide – damaged trees San Benito – Affected families Barangay 1 – Affected families		
2018	Ompong	Typhoon	Municipal Wide – damaged trees		

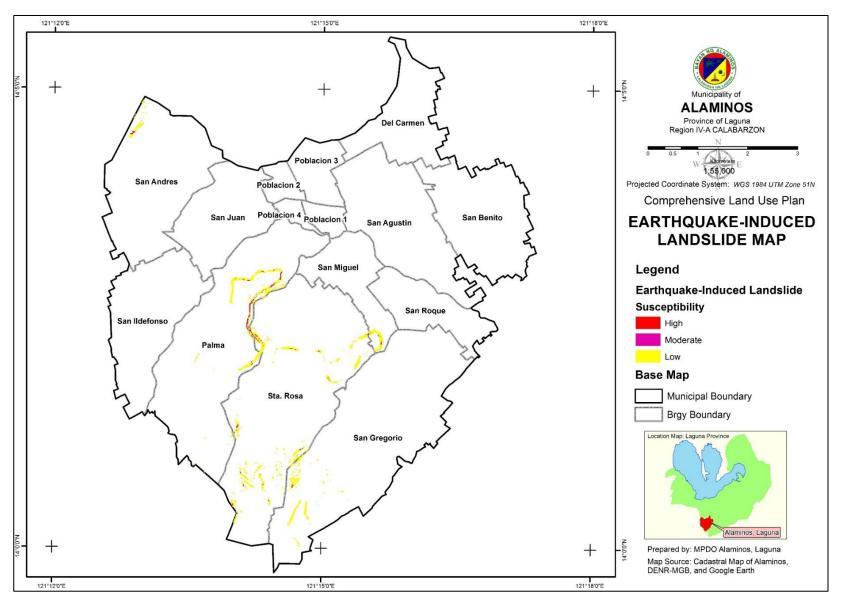
Source: CDRA Workshop, 2018



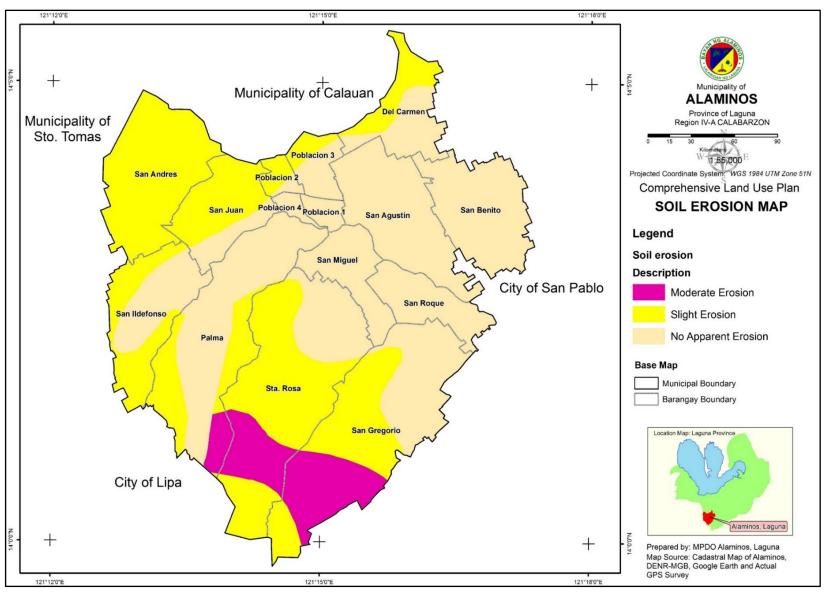




Map 21. Ground Shaking Hazard Map of Alaminos, Laguna



Map 22. Earthquake-Induced Landslide Hazard Map of Alaminos, Laguna



Map 23. Soil Erosion Hazard Map of Alaminos, Laguna



	San Andres San Benito San Gregorio San Ildefonso San Juan San Miguel Sta. Rosa	494.64 265.85 844.37 380.77 287.32 199.89 892.86	
	San Roque	174.75	
Low Susceptibility	San Benito	113.24	126.03
Low Busceptionity	San Agustin	12.79	120.03
Moderate Susceptibility	San Agustin	5.16	20.62
Wioderate Susceptionity	San Roque	15.46	20.02
	Del Carmen	0.07	
High Susceptibility	San Agustin	8.01	28.68
High Susceptibility	San Roque	7.56	20.00
	San Gregorio	13.00	
		Total Area (Ha)	Percentage to total land area
Total area susceptible		175.30	3.28
Total area not susceptible		5,170.05	96.72
Total		5,345.35	100

Source: MPDO GIS computation 2017, DENR, 2013

Rain-Induced Landslide Hazard

The geographic location, slope, elevation, soil and rainfall patterns are some of the factors that contribute to rain-induced landslides (RIL) in Alaminos. The total land area susceptible to RIL is 767.37 hectare (21.64%) of the total land area. About 462.05 hectares (13.02%) is classified as moderate susceptibility while low susceptibility has an area of 1,748.59 hectares or 49.32% (refer to Map 20). Infrastructure, livelihood and lives of the people in these areas are at risk. Strict implementation of policies and regulations must be observed in these areas to reduce the vulnerabilities and negative impacts, if relocation is not an option for the municipality.

In terms of low susceptibility, barangay Palma has the highest area susceptible to rain induced landslide with 631.05 hectares while barangay Poblacion 3 is the least with less than one (1) percent of its area is susceptible. For moderately susceptible barangays, barangay Sta. Rosa is the most susceptible having a total of 190.80 hectares (3.57%) of its area, while barangay San Andres is the least with 70.53 hectares (1.32%) moderately susceptible. Among the 15 barangays, barangay San Gregorio has the largest area highly susceptible to RIL with 416.98 hectares at risk, followed by barangay Sta. Rosa with 324.08 hectares.

Overall, barangay San Gregorio is the most susceptible to RIL impacts having a total land area of 739.97 hectares exposed to RIL, while barangay Poblacion 3 is the least susceptible. Moreover, areas in barangays Sta. Rosa and San Miguel arepossible landslide debris accumulation zone. This means that implementation of laws and regulations pertaining to this concern should be enhanced.

On the other hand, a total of 2,326.64 hectares (43.53%) are not prone to rain-induced landslides. These areas are suitable for sector-specific development.

Changes of precipitation or amount of rainfall directly affect rain-induced hazards. It can be noted that the highest percentage of susceptibility occurs along rivers and riverbanks due to

the soil type, existing land cover and land uses. Table 25 summarizes of level of susceptibility, locations, area and its percentage in Alaminos.

Table 25. Rain-Induced Landslide per Barangay of Alaminos, Laguna

Level	Barangay	Area per	Total Area	% Total	
	Del Carmen	barangay (Ha) 86.81	(Ha)		
	Palma	4.00	-		
	Poblacion 1	38.73			
	Poblacion 2	36.45			
	Poblacion 3	111.64	1		
	Poblacion 4	21.38			
	San Agustin	430.04	1		
Not Susceptible	San Andres	187.00	2,326.64	43.53	
1 (or 5 discopilizate	San Benito	379.09			
	San Gregorio	117.41			
	San Ildefonso	254.93	1		
	San Juan	154.66			
	San Miguel	157.50	1		
	San Roque	189.81	1		
	Sta. Rosa	157.21	1		
	Del Carmen	168.15			
	Palma	631.05	1		
	Poblacion 1	4.88	1		
	Poblacion 2	7.33	1		
	Poblacion 3	0.02			
Low Susceptibility	Poblacion 4	7.33		14.26	
	San Agustin	8.89	1.740.50		
	San Andres	237.11	1,748.59	14.36	
	San Gregorio	210.34			
	San Ildefonso	125.84			
	San Juan	132.66			
	San Miguel	18.45			
	San Roque	7.42			
	Sta. Rosa	183.51			
	San Andres	70.53			
Moderate	Palma	88.07	462.05	8.64	
Susceptibility	San Gregorio	112.65	402.03	8.04	
	Sta. Rosa	190.80			
	Palma	2.24			
	Del Carmen	3.04			
High Susceptibility	San Roque	0.53	767.37	32.71	
Tilgii Susceptionity	San Gregorio	416.98	107.57	32.71	
	San Miguel	20.50			
	Sta. Rosa	324.08			
Landslide Debris	San Miguel	3.44	40.70	0.76	
Accumulation	Sta. Rosa	37.26	10.70		
			Total Area	Percentage	
			(Ha)	to total land	
Total and apparentials				area	
Total area susceptible			3,018.71	56.47	
Total area not susceptil	oie		2,326.64 5,345.35	43.53 100	
Total	Fotal				

Source: MPDO GIS computation 2017, DENR, 2013

Ground Shaking

Ground shaking is the most familiar effect of earthquake. The degree of impact depends on the intensity and magnitude and can be directly damaged the buildings and houses, roads, infrastructures. Also, deformation of the surroundings and even lives can destroy this kind of hazard. In Alaminos setting, there are two (2) ground shaking category which are PEIS Intensity VII and VIII with total land area of 2358.30 hectares or 44.12% and 2987.05 or 55.88%, respectively (refer to Table 26, and Map 21).

Table 26. Ground Shaking Hazard of Alaminos, Laguna

Intensity Scale	Description	Barangay	Area (Ha)	Percent age to Total Land Area
Intensity I (Scarcely Perceptible)	Perceptible to people under favorable circumstance. Delicately balanced objects are disturbed slightly. Still Water in containers oscillates slowly			
Intensity II (Slightly Felt)	Felt by few individuals at rest indoors. Hanging objects swing slightly. Still Water in containers oscillates noticeably.			
Intensity III (Weak)	Felt by many people indoors especially in upper floors of buildings. Vibration is felt like one passing of a light truck. Dizziness and nausea are experienced by some people. Hanging objects swing moderately. Still water in containers oscillates moderately.			
Intensity IV (Moderately Strong)	Felt generally by people indoors and by some people outdoors. Light sleepers are awakened. Vibration is felt like a passing of heavy truck. Hanging objects swing considerably. Dinner, plates, glasses, windows and doors rattle. Floors and walls of wood framed buildings creak. Standing motor cars may rock slightly. Liquids in containers are slightly disturbed. Water in containers oscillates strongly. Rumbling sound may sometimes be heard.	Not applicable. For presenta purposes only.		esentation
Intensity V (Strong)	Generally felt by most people indoors and outdoors. Many sleeping people are awakened. Some are frightened, some run			

Intensity Scale	Description	Barangay	Area (Ha)	Percent age to Total Land Area
Intensity VI (Very Strong)	outdoors. Strong shaking and rocking felt throughout building. Hanging objects swing violently. Dining utensils clatter and clink, some are broken. Small, light and unstable objects may fall or overturn. Liquids spill from filled open containers. Standing vehicles rock noticeably. Shaking of leaves and twigs of trees are noticeable. Many people are frightened; many run outdoors. Some people lose their balance. Motorists feel like driving in flat tires. Heavy objects or furniture move or may be shifted. Small church bells may ring. Wall plaster may crack. Very old or poorly built houses and man-made structures are slightly damaged though well-built structures are not affected. Limited rock falls and rolling boulders occur in hilly to mountainous areas and escarpments. Trees are			
Intensity VII (Destructive)	noticeably shaken. Most people are frightened and run outdoors. People find it difficult to stand in upper floors. Heavy objects and furniture overturn or topple. Big church bells may ring. Old or poorly built structures suffer considerably damage. Some well-built structures are slightly damaged. Some cracks may appear on dikes, fishponds, road surface and concrete hollow block walls. Limited liquefaction, lateral spreading and landslides are observed. Trees are shaken strongly.	Palma, San Miguel, Sta. Rosa, San Gregorio and San Roque	2,358. 30	44.12
Intensity VIII (Very Destructive to Completely Devastating)	Numerous landslides and rock falls occur in mountainous and hilly areas Most buildings are totally damaged. Bridges and elevated concrete structures are toppled or destroyed. Massive landslides and liquefaction, large-scale subsidence and uplifting of landforms and many ground	San Andres, San Juan, Poblacion 1, Poblacion 2, Poblacion 3,	2,987. 05	55.88

Intensity Scale	Description	Barangay	Area (Ha)	Percent age to Total Land Area
	fissures are observed. Changes in river courses and destructive seiches in large lake occur.	Poblacion 4, San Agustin, Del Carmen, San Benito, San Roque, San Miguel, Palma, and San Ildefonso		
Intensity IX (Devastating)	People are forcibly thrown to ground. Many cry and shake with fear. Most buildings are totally damaged. Bridges and elevated concrete structures are toppled or destroyed. Numerous utility posts, towers and monument are tilted, toppled or broken. Water sewer pipes are bent, twisted or broken. Landslides and liquefaction with lateral spreading and sandboils are widespread. The ground is distorted into undulations. Trees are shaken very violently with some toppled or broken. Boulders are commonly thrown out. River water splashes violently on slops over dikes and banks.	Not applicable. For presentation purposes only.		esentation
Intensity X (Completely Devastating)	Practically all man-made structures are destroyed. Massive landslides and liquefaction, large-scale subsidence and uplifting of land forms and many ground fissures are observed. Changes in river courses and destructive seiches in large lakes occur. Many trees are toppled, broken and uprooted.			
		Total A (Ha)		Percent age to Total Land Area
Total area suscepti		5,345		100
Total area not susce Total	eptible	0.00 5 3 4 5		100
L	S Earthauake Intensity Scale (PEIS	5,345.: MPDO GI		

Source: PHIVOLCS Earthquake Intensity Scale (PEIS), MPDO GIS computation 2017, DENR-MGB, 2013

For the risk analysis of ground shaking, the severity of consequence as shown in Table 27, shows that all barangays have low severity of consequence. In terms of risk score, all barangays have low risk scores except for barangay Palma. For the likehood of occurrence, barangays have varying scores ranging from more every 3 to more than 200 years (moderate to very rare occurrence). The difference is attributed various answers from the workshop consultations in the municipality.

Table 27. Risk Estimation of Ground shaking in Alaminos, Laguna

	Likelihood of			Conseque				
Barangay	Occurrence Score	Very High	High	Mod	Low	Risk Score	Risk Category	
		4	3	2	1			
Poblacion I	1				1	1	Low	
Poblacion II	1				1	1	Low	
Poblacion III	3				1	3	Low	
Poblacion IV	3				1	3	Low	
Del Carmen	3				1	3	Low	
Palma	5				1	5	Moderate	
San Agustin	4				1	4	Low	
San Andres	4				1	4	Low	
San Benito	1				1	1	Low	
San Gregorio	3				1	3	Low	
San Ildefonso	4				1	4	Low	
San Juan	4				1	4	Low	
San Miguel	1				1	1	Low	
San Roque	4				1	4	Low	
Sta. Rosa	4				1	4	Low	

Source: CDRA Workshop, 2018

Earthquake-Induced Landslide Hazard

Due to the physical characteristics of Alaminos, which is relatively flat to gently sloping, 62.88 hectares (1.18%) of the total land area is susceptible to earthquake induced landslides (EIL). Portion of barangays San Andres, Palma, San Gregorio, San Miguel, and Sta. Rosa are exposed to earthquake-induced landslide, which is presented in Table 28. This kind of hazard resulted from ground shaking event (refer to Map 22).

In terms of the level of susceptibility, 58.07 hectares (1.09%) of land has low susceptibility to EIL, while 4.62 hectares (0.09%) have moderate susceptibility. Only barangay Palma has high susceptibility to EIL having 0.19 (0.004%) hectare of its land exposed. Overall, barangay Sta. Rosa is the most susceptible to this hazard with a total of 26.59 hectares land exposed to EIL, while Poblacion 1, Poblacion 2, Poblacion 3, Poblacion 4, San Agustin, San Benito, Del Carmen, San Ildefonso, San Juan, and San Roque are not susceptible at all.

Table 28. Earthquake-Induced Landslide of Alaminos, Laguna

T 1 60 49 994	D	Area	Percentage to
Level of Susceptibility	Barangay	(Ha)	Total land area
	Poblacion 1	43.61	
	Poblacion 2	49.37	
Not Suggestible	Poblacion 3	111.66	98.82
Not Susceptible	Poblacion 4	28.71	90.02
	San Agustin	438.93	
	San Benito	379.09	

Level of Susceptibility Barangay		Area (Ha)	Percentage to Total land area
	Del Carmen	258	
	San Ildefonso	380.77	
	San Juan	287.32	
	San Roque	197.76	
	San Andres	2.77	
	Palma	17.61	
Low Susceptibility	San Gregorio	9.07	1.09
	San Miguel	3.59	
	Sta. Rosa	25.03	
	San Andres	0.27	
	Palma	2.36	
Moderate Susceptibility	San Gregorio	0.15	0.09
	San Miguel	0.28	
	Sta. Rosa	1.56	
High Susceptibility	San Andres	0.00	0.004
High Susceptibility	Palma	0.19	0.004
		Total Area	Percentage to
		(Ha)	total land area
Total area susceptible		62.88	1.184
Total area not susceptible		5,282.47	98.82
Total		5,345.35	100

Source: MPDO GIS computation 2017, DENR-MGB, 2013

Soil Erosion

Soil erosion hazard have many factors to be consider such as slope, elevation and soil type and more importantly, the influence of water and wind that can create more damage on the soil erosion events. In the situation of Alaminos, about 2,570.01 or 48.08 % of the total land area of the municipality experienced soil erosion hazard (refer to Map 23). These barangays are San Andres, San Juan, Poblacion 2, Poblacion 3, Del Carmen, San Ildefonso, Palma, Sta. Rosa, and San Gregorio (refer to Table 29). Barangays Palma, San Gregorio and Sta. Rosa categorized as moderate susceptibility due to its geographical location, slope ranging 18-50 percent with an elevation of 286-728 meters above sea level. Moreover, the soil can also resist erosion have greatly affects the effect of high potential erosion.

Further, Macolod clay loam and Mountain soils are present in portion of barangays categorized as moderately susceptible that is in favor to have a good resistance to erosion. However, the extreme and intense rainfall can increase the speed surface runoff resulting to high sediment load, which is directly affect water bodies.

Table 29. Soil Erosion Hazard of Alaminos, Laguna

Erosion Susceptibility	Barangay	Area (Ha)	Total Area (Ha)	Percentage to Total Area Susceptible
	Del Carmen	146.98		
	Palma	476.66		51.92
	Poblacion 1	43.61	2775.34	
No Apparent Erosion	Poblacion 2	13.83		
• •	Poblacion 3	74.70		
	Poblacion 4	28.71		
	San Agustin	438.93		

Erosion Susceptibility	Barangay	Area (Ha)	Total Area (Ha)	Percentage to Total Area Susceptible
	San Benito	379.09		
	San Gregorio	300.87		
	San Ildefonso	186.58		
	San Juan	75.82		
	San Miguel	199.89		
	San Roque	197.76		
	Sta. Rosa	211.94		
	Del Carmen	111.04		
	Palma	200.86		
	Poblacion 2	35.57		
	Poblacion 3	36.96		
Slight Erosion	San Andres	494.64	2162.10	40.45
	San Gregorio	336.32		
	San Ildefonso	194.19		
	San Juan	211.51		
	Sta. Rosa	541.03		
	Palma	47.88		
Moderate Erosion	San Gregorio	220.19	407.91	7.63
	Sta. Rosa	139.88		
		Total	Percentage	
		Area (Ha)	to total land area	
Total area susceptible			5,345.35	100
Total area not susceptible			0	0
Total			5,345.35	100

Source: MPDO GIS computation 2017, DENR-MGB, 2013

Multi-hazard

Map 24 shows the multi-hazard exposure of Alaminos. Table 30 summarizes the area susceptible to hazards per barangay.

Table 30. Summary of Area Susceptible to Hazards per barangay in Alaminos, Laguna

Barangay	Land Area	Flooding	RIL	Ground shaking	EIL	Soil Erosion
Palma	725.36	0.00	721.37	725.36	20.16	248.70
Poblacion 1	43.61	0.00	4,88	43.61	0.00	0.00
Poblacion 2	49.37	0.00	12.92	49.37	0.00	35.55
Poblacion 3	111.66	0.00	0.02	111.66	0.00	36.96
Poblacion 4	28.71	0.00	7.33	28.71	0.00	0.00
Del Carmen	258.00	0.07	171.19	258.00	0.00	111.04
San Agustin	428.93	25.96	8.89	428.93	0.00	0.00
San Andres	494.64	0.00	307.63	494.64	3.04	494.64
San Benito	379.09	113.24	0.00	379.09	0.00	0.00
San Gregorio	857.37	13.00	739.97	857.37	9.22	556.51
San Ildefonso	380.77	0.00	125.84	380.77	0.00	194.19
San Juan	287.32	0.00	132.66	287.32	0.00	211.51
San Miguel	199.89	0.00	42.39	199.89	3.88	0.00
San Roque	197.776	23.02	7.96	197.776	0.00	0.00
Santa Rosa	892.86	0.00	735.65	892.86	26.59	680.92

Source: MPDO GIS computation 2017, DENR-MGB, 2013

Change Vulnerability Assessment

Climate Projections

Table 31 shows the projected changes in seasonal temperature. June-July-August (JJA) are the months that are projected to have the highest increase in temperature which is an addition of 2.4°C to the observed baseline temperature which is 27.5°C. This can be correlated to the negative change in seasonal rainfall in the month of June-July-August as discussed above.

Table 31. Projected Changes in Seasonal Temperature in the Mid-21st Century (2036-2065)

for Laguna relative to 1971-2000

Tor Laguna relative to	2000		Proj	ected Change
Season			Change in °C	Projected Seasonal Mean Temperature (°C)
December-	Moderate	Lower Bound	1.0	26.0
January-February	emission	Median	1.2	26.2
(DJF)	(RCP4.5)	Upper Bound	1.6	26.6
Observed baseline	High	Lower Bound	1.1	26.1
$= 25.0^{\circ}\text{C}$	Emission	Median	1.6	26.6
	(RCP 8.5)	Upper Bound	1.9	26.9
Manala Anni Masa	Moderate	Lower Bound	1.0	28.5
March-April-May	emission	Median	1.2	28.7
(MAM) Observed baseline	(RCP4.5)	Upper Bound	1.7	29.2
Observed basefille	High	Lower Bound	1.3	28.8
= 27.5 °C	Emission	Median	1.6	29.1
27.5 C	(RCP 8.5)	Upper Bound	2.2	29.7
Tuna Tulu August	Moderate	Lower Bound	1.0	28.5
June-July-August	emission	Median	1.3	28.8
(JJA) Observed baseline	(RCP4.5)	Upper Bound	1.8	29.3
Observed basefille	High	Lower Bound	1.3	28.8
27.5 °C	Emission	Median	1.5	29.0
21.5 C	(RCP 8.5)	Upper Bound	2.4	29.9
September-	Moderate	Lower Bound	1.0	27.7
October-	emission	Median	1.1	27.8
November (SON)	(RCP4.5)	Upper Bound	1.9	28.6
Observed baseline	High	Lower Bound	1.4	28.1
=	Emission	Median	1.5	28.2
26.7 °C	(RCP 8.5)	Upper Bound	2.3	29.0

Source: PAGASA, 2018

Table 32 shows that the months of December-January-February (DFJ) has the highest percentage of projected change in the seasonal rainfall which is 43.9 percent or 276 millimeters. It is also observable that in June-July-August (JJA) has a negative value for the rate of seasonal rainfall change which is -22.7 percent or negative 191.6 millimeters of rainfall amount. This means that, the projected value for the rainfall amount in JJA is less than the observed baseline which is 845 millimeters.

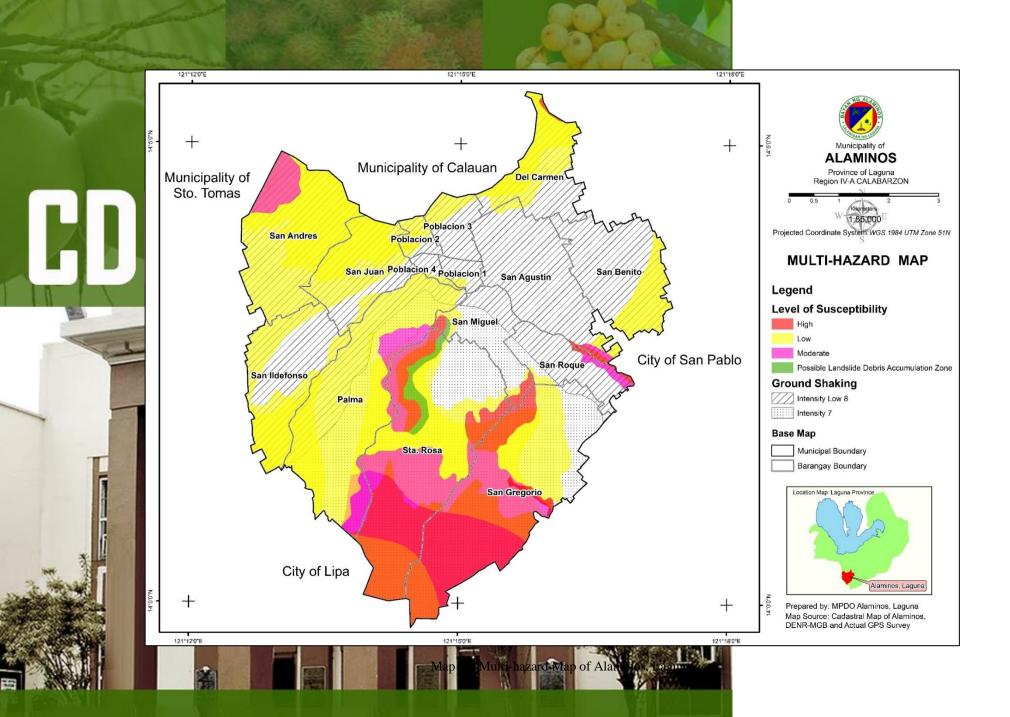
Table 32. Projected Changes in Seasonal Rainfall in the Mid-21st Century (2036-2065) for

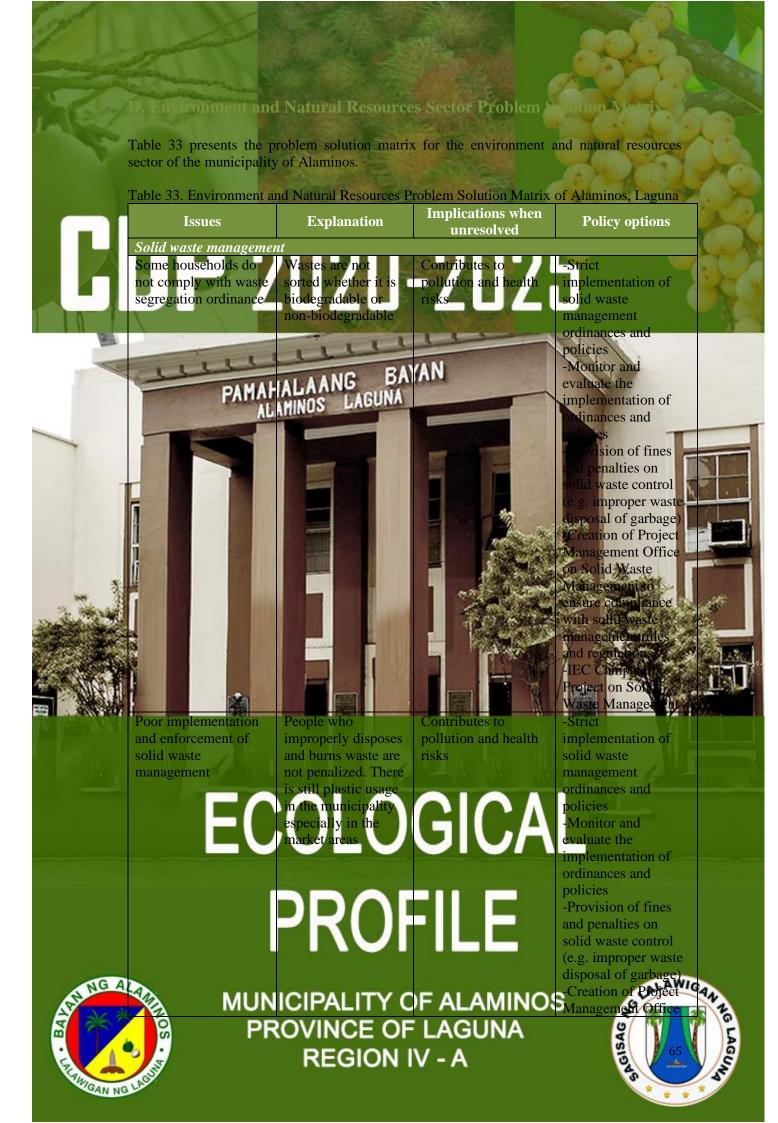
Laguna relative to 1971-2000

L	Laguila leiauve to 1971-2000						
				Projected	d Change	Projected	
	Coogan	Scenario	Dange		Rainfall	Seasonal	
	Season Sce	Scenario	Range Percent amoun	amount	Rainfall		
					(mm)	Amount	

					(mm)
D 1	Moderate	Lower Bound	4.2	26.7	655.9
December-	emission	Median	10.2	64.0	693.2
January-February	(RCP4.5)	Upper Bound	43.9	276.0	905.2
(DJF) Observed baseline	High Emission	Lower Bound	2.3	14.5	643.7
= 629 mm	(RCP 8.5)	Median	13.8	87.1	716.3
- 029 IIIIII		Upper Bound	32.9	207.2	836.4
	Moderate	Lower Bound	-2.1	-8.3	378.5
March-April-May	emission	Median	12.6	48.6	435.4
(MAM) Observed baseline	(RCP4.5)	Upper Bound	24.8	95.8	482.6
– Observed basefille	High Emission	Lower Bound	-14.4	-55.8	331.0
387 mm	(RCP 8.5)	Median	-0.1	-0.5	386.3
		Upper Bound	28.3	109.4	496.2
T T1 4	Moderate	Lower Bound	-22.7	-191.6	653.4
June-July-August	emission	Median	-14.3	-121.0	724.0
(JJA) Observed baseline	(RCP4.5)	Upper Bound	-2.1	-17.7	827.3
- Observed baseline	High Emission	Lower Bound	-20.9	-176.2	668.8
845 mm	(RCP 8.5)	Median	-11.0	-93.0	752.0
0+3 mm		Upper Bound	7.5	63.8	908.8
September-	Moderate	Lower Bound	-9.0	-96.2	970.3
October- November	emission	Median	-5.8	-61.8	1004.7
(SON)	(RCP4.5)	Upper Bound	5.7	60.5	1127.0
Observed baseline	High Emission	Lower Bound	-10.8	-115.5	951.0
=	(RCP 8.5)	Median	1.4	14.6	1081.1
1,067		Upper Bound	10.5	112.4	1178.9

Source: PAGASA, 2018





Issues	Explanation	Implications when unresolved	Policy options
Closing of MRF with no alternative system/facility	Open dumpsite met maximum capacity of wastes, yet there is a fund for rehabilitation but no available lot/space	Additional costs in transporting garbage to other cities/areas, contributes to pollution	on Solid Waste Management to ensure compliance with solid waste management rules and regulations -IEC Campaign Project on Solid Waste Management -Establishment or Rehabilitation of municipal MRF
Non functional MRFs in some barangays	for relocation site MRFs in some barangays are not used; no available lot/space for relocation sites	Contributes to pollution	-Monitoring and evaluation of MRFs -IEC Campaign Project on Environmental Management
Inadequate garbage disposal facilities	Absence of dumpsite; inadequate waste collecting vehicles	Contributes to pollution and health risks	-Additional vehicles for waste collection -Scheduling of waste collection - IEC Campaign Project on waste segregation
Water resources			***************************************
Observed water pollution near poultry production areas and industries	Some of poultries and industries are near in rivers and creeks tend to leachate waste process	Increases incidence of water borne diseases, discourages in migration and investment opportunities	-Implementation of a Clean Water Act -Strict implementation on water policies and ordinances (e.g. entitlements, licenses, permits) -Monitoring and Evaluation of water policies and ordinances
Water source in the LGU is not sustainable	Low ground water table	Decreases water supply	-Provision on water protection policies and ordinances (e.g. entitlements, licenses, permits)
Altered the natural water pathway	Some areas of natural water	Flooding	-Provision on water policies and

Issues	Explanation	Implications when unresolved	Policy options
	pathways are closed due to road widening and new subdivisions		ordinances (e.g. entitlements, licenses, permits) -Monitoring and evaluation of water policies and ordinances
Air pollution			
Air pollution brought by transportation vehicles passing through Alaminos	There is no modulation of how many or what type of vehicles that will pass through the national road	Increases incidence of air borne diseases	-Provision on air pollution prevention and control measures -Impose policies and ordinances on air pollution
Lack of odor control measures in poultry areas	Some of the poultry areas are near in residential Flies infested during harvesting season	Increases incidence of air borne diseases, discourages in migration and investment opportunities	-Provision on odor control measures -Creation of team for monitoring and evaluation of odor control
Sewerage and drainage	e system		
Lack of sewerage and drainage system	Flooding after moderate to heavy rains is observed but flood recedes at a faster pace	Affects water quality, especially with the current water source	-Strict implementation of Solid Waste Management Program (RA 9003) -Monitoring and evaluation of policies and ordinances on solid waste -IEC Campaign Project on Environmental Management
Clogged canals	Canals emit unpleasant odor due to stagnant water and deposited wastes	Flooding, increases pollution	-Implementation of a Clean Water Act -Monitoring and evaluation of policies and ordinances related to environment
Others	TOIL : 1		D () ()
Proliferation of illegal logging and charcoal making	There is an observed illegal logging and charcoal in the barangays of Sta. Rosa and San	Contributes to pollution, forest degradation, affect climate change, loss of government	-Restriction of charcoal production -Provision of logging ban policies -Strengthen law

Issues	Explanation	Implications when unresolved	Policy options
	Gregorio within the Pataguin area	revenue, cheaper price compared to legal timber, affect biodiversity	enforcement and strict forest patrolling -Provision of fines and penalties on illegal logging and charcoal production -Monitoring and evaluation of policies and ordinances related to environment - IEC Campaign Project on Environmental Management and Conservation
Data management			
Lack of data management system	Data of the municipality are consolidated and updated. Some data for the previous years are missing.	Lack of data management system affects the productivity and efficiency of employees, accuracy and credibility of data, and difficulty in analyzing and interpreting conditions for planners, investors and decision makers	-Establishment of the database management system per office and regular staff will be assigned to process the system

III. POPULATION AND SOCIAL WELFARE

This chapter shows the demographic features, changes, trends, and the general well-being of the population in the municipality of Alaminos. One part of this section presents the overall information on population composition, population distribution and core indicators of the municipality. This will help assess and determine needs for public services and creates demand for goods and services in the planning area. The second part of the chapter provides profiling and analysis with the support and assistance of the community and other stakeholders can pave the way for the local government to achieve the government's purpose. Determining and understanding the underlying causes and effects of existing conditions will generate proposals or interventions to support the government's desirable outcome. Moreover, it will ascertain the assistance and influence the community need to achieve the desired level of services delivered by the government. The social sector has several sub components namely: health and sanitation, social welfare and development, education, public order and safety, sports and recreation, and housing.

A. Population

Population Composition

Population by Age-Group and Sex

The age distribution is usually depicted in Table 34 that groups the population into clusters of 5-year interval. The population from 5-9 years old has the highest share with 4,761 population (9.9%) of total population in 2015. This population age group is part of the school going population ages 5 to 24 years old. Population with ages 80 years old and above has the lowest share with 426 total population (0.89%). Moreover, there is noticeable higher number of females per age group showing that female population has longer lifespan. Females under reproductive age (15-49) has a number total population of 12,574.

Table 34. Population by Age-Group and Sex in Alaminos, Laguna

Age Group	Male	Female	Total
Under 1	497	490	987
1 - 4	2,045	1,929	3,974
5 - 9	2,510	2,251	4,761
10 - 14	2,423	2,211	4,634
15 - 19	2,393	2,179	4,572
20 - 24	2,244	2,260	4,504
25 - 29	2,042	2,060	4,102
30 - 34	1,888	1,856	3,744
35 - 39	1,678	1,651	3,329
40 - 44	1,354	1,280	2,634
45 - 49	1,247	1,288	2,535
50 - 54	1,131	1,168	2,299
55 - 59	962	1,002	1,964
60 - 64	720	741	1,461
65 - 69	409	506	915
70 - 74	220	341	561
75 - 79	157	300	457
80 years	118	308	426
Total	24,038	23,821	47,859

Source: Philippine Statistics Authority, 2015

Age Dependency and Sex Ratio

The young dependents ages 0 to 14 years old comprised of 30 percent on the total population in 2015. On the other hand, old dependents from ages 65 years and above posted a share of 4.93 percent. The working age population (15-64 years) accounted to 65.07 percent while the overall dependency ratio was recorded at 49.89 percent. This indicates that for every 100 working age-population, there were about 50 dependents (43 young dependents and seven (7) old dependents). As for the sex ratio, there are 101 males for every 100 females in Alaminos. Table 35 summarizes the age-dependency and sex ratio of the municipality.

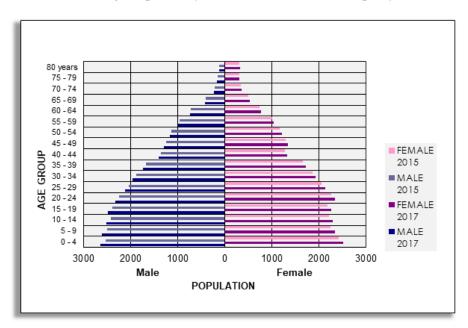


Figure 1. Population Pyramid of Alaminos, Laguna

Table 35. Population by Age Dependency and Sex Ratioin Alaminos, Laguna

Age Group	2015	Percentage to Total Population (%)	Dependency Ratio	
0 – 14	14,356	30.00	42.85	
65 and over	2,359	4.93	7.04	
Total Dependent	16,715	34.93	49.89	
			Sex Ratio	
Female	23,821	49.77	101	
Male	24,038	50.23	101	
			Percentage to total population (%)	
Productive or Working age group (15 – 64)	31,144		65.07	
Female Reproductive age group (15- 49)	12,574		26.27	
Total Population	47,859		100	

Source: Philippine Statistics Authority, 2015

Labor Force and Employment

The municipality of Alaminos has a total working age population of 33,503 or 65 percent of the total population. The total percentage share of the population employed from the working population is at 57.7 percent (19,327) while the percentage share for the unemployment is posted at 42.3 percent of the total working population. Table 36 provides a summart of the labor force and employment in Alaminos.

Table 36. Labor Force and Employment in Alaminos, Laguna

	Alaminos					Not in
Sex	Population	Employed	%	Unemployed	%	Labor Force
Female	16,940	7,330	43.3	9,610	56.7	6,881
Male	16,563	11,997	72.4	4,566	27.6	7,475
Total	33,503	19,327	57.7	14,176	42.3	14,356
	Laguna					
	Population	Employed	%	Unemployed	%	
Male	1,098,581	522,346	47.5	576,235	52.5	
Female	1,062,881	808,262	76.0	254,619	24.0	
Total	2,161,462	1,330,608	61.6	830,854	38.4	

Source: Philippine Statistics Authority, 2015

At the provincial level, 61.6 percent (1,330,608) of Laguna's population are employed. On the other hand, 38.4% (830,854) of the province's total population are unemployed. Comparing the number of population employed and unemployed in Laguna and Alaminos, the latter has lower number of employed and unemployed population.

School-Age Population

The total school going population of Alaminos is recorded at 18,471, which is dominantly male students with 9,570 and 8,901 female students. Pre-school to early elementary grade students (5-9 years old) have the highest number of population with 4,761 while college students have the least number having only 4,504. With regards to the sex distribution, there are more male students. The number of educational institutions should respond to the increasing demand of the population (refer to Table 37). This will be discussed in detail in the succeeding chapters.

Table 37. School-Going Age Populationin Alaminos, Laguna

Age		Male		Female		Sex
Group Both	No.	Percentage	No.	Percentage	Ratio	
5-9	4,761	2,510	53%	2,251	47%	1.12
10-14	4,634	2,423	52%	2,211	48%	1.10
15-19	4,572	2,393	52%	2,179	48%	1.10
20-24	4,504	2,244	50%	2,260	50%	0.99
Total	18,471	9,570	52%	8,901	48%	1.08

Source: Philippine Statistics Authority, 2015

Population Distribution

Total Population by Barangay

Six barangays are classified as urban, while the remaining barangays are considered rural. Urban population contributes 50.54 percent to the total population while rural barangays

contribute 49.96 percent. Among the 15 barangays in Alaminos, barangay San Benito has the highest population with 6,280, while barangay Del Carmen is the least in terms of population size with 1,150. Barangays San Benito and San Agustin are both rural barangays, according to the PSA's new urban barangay definition; if the barangay population is more than 5000 it is a ground for reclassification as urban barangay. These two (2) barangays are reclassified as urban barangays.

Table 38. Urban and Rural Barangay Populationin Alaminos, Laguna

Barangay	Population No. of Household		Average Household Size	
Urban				
Poblacion 1	3,366	604	5.57	
Poblacion 2	2,804	543	5.17	
Poblacion 3	2,675	547	4.89	
Poblacion 4	3,388	792	4.28	
San Agustin	5,675	1,231	4.61	
San Benito	6,280	1,331	4.72	
Sub-Total	24,188	5,048	4.87	
Rural				
Del Carmen	1,150	268	4.29	
Palma	2,512	571	4.40	
San Andres	3,298	772	4.27	
San Gregorio	3,315	847	3.92	
San Ildefonso	2,821	716	3.94	
San Juan	3,108	757	4.11	
San Miguel	2,033	537	3.79	
San Roque	2,235	482	4.64	
Sta. Rosa	3,199	1,106	2.89	
Sub-Total	23,671	6,056	4.03	
Total	47,859	11,103	4.37	

Source: Philippine Statistics Authority, 2015

Urbanization Level

Urbanization refers to the growth in the proportion of the population living in urban areas, which takes place when there is development. The extent of urbanization of a locality at a certain point in time indicates progress or development taking place. Thus, where there are economic activities/opportunities in an area, in-migration occurs resulting to an increase in population. Urbanization can be measured by determining level of urbanization and tempo of urbanization. From 2000 to 2015, Alaminos show a decrease on its level of urbanization.

The tempo of urbanization is used to express the speed at which an area is moving toward an urban classification. This is computed by taking the difference between the growth rate of urban population and growth rate of rural population. Generally, the level of urbanization and tempo of urbanization showed a negative trend, this can imply slow progress, development and out-migration to urban areas.

Table 39. Urbanization Levelin Alaminos, Laguna

	Population		Yea Popul Growt	verage Vearly pulation wth Rate (%)			Average Yearly Tempo of Urbanization (%)	
Year	Urban	Rural	Total	Urban	Rural	Municipal	Provincial	Municipal
1995	8,180	23,262	31,442	-	-	26.02	45.20	0.00
2000	9,453	26,667	36,120	2.94	2.77	26.17	47.00	0.17
2007	10,405	29,975	40,380	1.38	1.68	25.77	66.46	-0.30
2010	11,170	32,356	43,526	2.39	2.58	25.66	71.85	-0.19
2015	24,188	23,671	47,859	1.83	1.94	25.56	-	-0.11

Source: Philippine Statistics Authority, 2015

Population and Residential Density

With a land area of 5,345.35 hectares, the gross population density of Alaminos is at nine (9) persons per hectare. The density is lower compared to Laguna with 16 persons per hectare but the similar with CALABARZON region9 persons per hectare. Using the total alienable and disposable land area of 5202.38 hectares (97.33 percent) of total land area, the net population density is at 10 persons per hectare, due to the large percentage of land classifies as alienable and disposable.

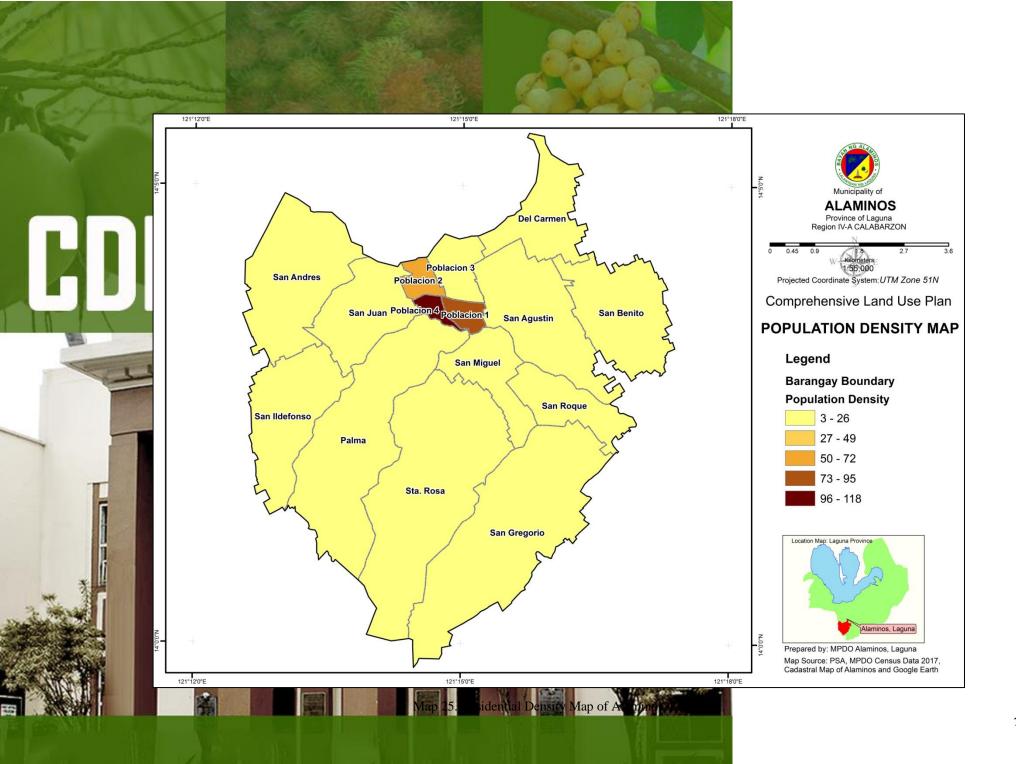
With the total urban land area of 1,051.4 hectare (19.7%) of the total land area of Alaminos, the urban density that was computed using total population is at 23 per hectare. The urban land area, which only shares 19.7 percent, has a total urban population of 28,188. On the other hand, the remaining 80.3 percent are considered rural areas inhabited by 23,671 population.

The barangay with highest population density is Poblacion 4 with 112 persons per hectare. Meanwhile, Barangay Palma is the least dense among the 15 barangays, with three (3) persons per hectare. In terms of residential density, the total residential of the municipality is 291.33 hectares, thus the residential density is calculated at 164.28 persons per hectare (refer to Map 25).

Table 40. Population Density of Alaminos, Laguna

Barangay	Population	Area (Has.)	Population Density
Urban			
Poblacion 1	3,366	43.61	77
Poblacion 2	2,804	49.37	57
Poblacion 3	2,675	111.66	24
Poblacion 4	3,388	28.71	118
San Agustin	5,675	438.93	13
San Benito	6,280	379.09	17
Rural			
Del Carmen	1,150	258.00	4
Palma	2,512	725.36	3
San Andres	3,298	494.64	7
San Gregorio	3,315	857.37	4
San Ildefonso	2,821	380.77	7
San Juan	3,108	287.32	11
San Miguel	2,033	199.89	10
San Roque	2,235	197.76	11

Barangay	Population	Area (Has.)	Population Density
Sta. Rosa	3,199	892.86	4
Total	47,859	5345.35	9



Hierarchy of Settlements by Barangays

Among the 15 barangays, barangay San Benito ranked first having the highest number of population (6,280). This barangay is the nearest barangay of Alaminos going to San Pablo. It is followed by barangay San Agustin ranked as second to the highest with 5,675. Meanwhile, barangay Del Carmen placed at the bottom with the lowest number of population (1,150) (refer to Table 41).

Rank	Barangay	Population
	San Benito A	6,280
2	San Agustin	5,675
4	Poblacion 4	3,388
5	Poblacion 1 San Gregorio	3,366 3,315
6		3,298
7	Sta, Rosa BATAIN	3,199
8	PAMATIA San Juan AGUNA	3.108
9	ALA San Ildefonso	2,821
	oblacion 2	2,804
12	Palma	2,512
13	San Roque	2,235
14	Sa I guel	2,033
1 <mark>5</mark> ource: Phili	Descarmen Descar	7,150,
7,000		■ San Benito
5,000		■ san Agustin
5,000		■ Poblacion 4
,000		Poblacion 1
3,000		
2,000	######################################	■ San Gregorio
.,000		■ San Andres
-,		
o San Benito San Agui	stin Robbacion Robbes Rosa Huan Robbacion Rahra San Robbacion Rahra San Robbacion Rahra San Robbacion Rahra San Robbacion Rahra Rahra Robbacion Rahra	Sta. Rosa

Figure 2. Hierarchy of Settlements of Alaminos, Laguna



MUNICIPALITY OF ALAMINOS PROVINCE OF LAGUNA REGION IV - A



Population Changes

Historical Growth of Population

The historical data of population Alaminos' is presented in Table DE 9 along with its population growth rates. In 2015, the Alaminos has a population of 47,859 with a growth rate of 1.92, lower compared to the previous years. In the same census year, the province of Laguna has a population of 3,035,081 with 2.47 growth rate while Region IV-A has 14,414,774 population with 2.58 growth rate.

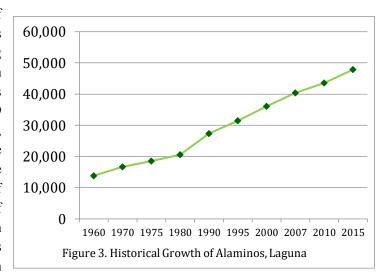


Table 42. Historical Population Growth of Alaminos, Laguna

Year	Population	Increase/ Decrease	Growth Rate
1960	13,860	-	-
1970	16,649	2,789	1.85
1975	18,504	1,855	2.14
1980	20,615	2,111	2.18
1990	27,412	6,797	2.89
1995	31,442	4,030	2.78
2000	36,120	4,678	1.61
2007	40,380	4,260	2.53
2010	43,526	3,146	2.53
2015	47,859	4,333	1.92

Source: Philippine Statistics Authority, 2015

Generally, population increased over the years and will continue to increase in the next fewyears if the growth rate is maintained.

Fertility and Mortality

Fertility refers to the live births that occur within a population. Fertility varies with the characteristics of the mother such as educational attainment or occupational status. Crude Birth Rate (CBR) is the most common index of fertility and is computed by dividing the number of births by the midyear population. The data shows that the municipality has a low CBR, which contributed to only 2.87% in 2014. There was an increase in CBR of 8.27% in the following year but in 2016, it dropped to 4.27% (refer to Table 43).

On the other hand, mortality refers to the occurrence of deaths in a population. Crude Death Rate (CDR), which refers to the number of deaths per 1,000 population, decreased from 4.39% to 2.06% in 2015 and 2016. In 2016, the CDR increased by 0.28% making the CDR for that year to be 2.34%.

The country's CBR in 2016 is at 23.21% while in the same year, the CDR of the country is 6.5%. Both indices are higher if compared to the municipality's crude birth and death rate. Both indices measure whether the population is growing or declining. With the relatively low birth rate of Alaminos, this may indicate that the population in the municipality have a slow growth. Alaminos also has a low death rate, which may signify that the population is living in a safe and healthy environment.

Table 43. General Health Situation for the Past Three Years of Alaminos, Laguna

Health Indicator	2014	%	2015	%	2016	%	
Fertility							
Crude Birth Rate (CBR)	501	2.87	898	8.27	1203	4.27	
Mortality	Mortality						
Crude Death Rate	203	4.39	152	2.06	117	2.34	
Infant Mortality	6	4.45	3	11.15	2	9.8	
Young Child	8	24.16	2	7.43	1	4.9	
Maternal Mortality	0	-	0	_	0	-	

Source: Rural Health Unit, 2017

Other Population Characteristics

Marital Status

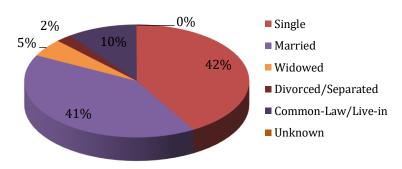


Figure 3. Marital Status of Alaminos Laguna

The marital status of Alaminos' population showed that 41 percent are married or 15,563 population while 41.5% were single or 15,805 population. This population is household population of 10 years old and above. Population below 20 years old have low number of married

individual with 64 counts while 193 were under cohabitation/live-in.

Table 44. Marital Status of Alaminos, Laguna

Age Group	Household Population 10 Years Old and Over	Single	Married	Widowed	Divorced/ Separated	Common- Law	Unkno wn
Male	18,878	8,467	7,777	394	330	1,904	6
< 20	4,794	4,739	13	-	2	40	ı
20 - 24	2,206	1,629	249	1	18	309	ı
25 - 29	2,020	905	705	6	27	377	-
30 - 34	1,874	453	1,043	7	41	330	-
35 - 39	1,670	234	1,100	16	52	267	1
40 - 44	1,351	158	956	10	49	175	3
45 - 49	1,246	113	951	20	40	121	1
50 - 54	1,131	92	867	44	25	102	1
55 - 59	962	67	742	49	31	73	-
60 - 64	720	41	547	61	25	46	-
65 - 69	409	20	297	49	11	32	-
70 - 74	220	7	141	48	4	20	-

Age Group	Household Population 10 Years Old and Over	Single	Married	Widowed	Divorced/ Separated	Common- Law	Unkno wn
75 - 79	157	6	101	39	3	8	-
80-over	118	3	65	44	2	4	-
Female	19,148	7,338	7,786	1,547	513	1,951	13
< 20	4,390	4,182	51	1	3	153	-
20 - 24	2,259	1,338	460	7	21	432	1
25 - 29	2,060	712	871	12	62	402	1
30 - 34	1,856	359	1,097	24	72	300	4
35 - 39	1,650	172	1,147	28	68	232	3
40 - 44	1,279	118	907	47	65	142	-
45 - 49	1,288	103	938	92	48	106	1
50 - 54	1,168	98	795	136	65	74	-
55 - 59	1,002	81	643	171	45	60	2
60 - 64	741	64	399	219	36	23	-
65 - 69	506	41	238	202	11	13	1
70 - 74	341	24	118	179	10	10	ı
75 - 79	300	19	76	200	4	1	ı
80-over	308	27	46	229	3	3	-
Both	38,026	15,805	15,563	1,941	843	3,855	19
< 20	9,184	8,921	64	1	5	193	ı
20 - 24	4,465	2,967	709	8	39	741	1
25 - 29	4,080	1,617	1,576	18	89	779	1
30 - 34	3,730	812	2,140	31	113	630	4
35 - 39	3,320	406	2,247	44	120	499	4
40 - 44	2,630	276	1,863	57	114	317	3
45 - 49	2,534	216	1,889	112	88	227	2
50 - 54	2,299	190	1,662	180	90	176	1
55 - 59	1,964	148	1,385	220	76	133	2
60 - 64	1,461	105	946	280	61	69	ı
65 - 69	915	61	535	251	22	45	1
70 - 74	561	31	259	227	14	30	ı
75 - 79	457	25	177	239	7	9	ı
80-over	426	30	111	273	5	7	ı

Mother Tongue/Ethnicity

Tagalog is the most used dialect in Alaminos with 96.8 percent of household speakers.

Other dialects such as Ilocano, Bikolano, Waray and Cebuano used in the municipality can be attributed to migrants from other provinces. They comprise of 3.23 percent of households.

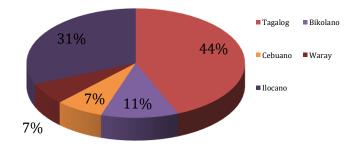


Figure 4. Mother Tongue in Alaminos, Laguna

Table 45. Mother Tongue of Alaminos, Laguna

Mother Tongue	Household Population	No. of Total Households
Tagalog	48,113	11,233.25
Bikolano	701	163.66
Cebuano	184	42.95

79

Waray	114	26.70
Ilocano	104	24.37
Other	502	117.23

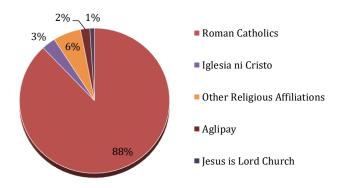


Figure 5. Religious Affiliation of Alaminos, Laguna

Religious Affiliation

Eighty-eight percent of the total population of Alaminos is Roman Catholics. Other religious affiliations include Iglesiani Cristo, Aglipay, Jesus and Lord and other religious affiliations.

The least among the religious affiliations is the Jesus Is Lord Church with 648 in number or one (1) percent of the total population.

Table 46. Religious Affiliation of Alaminos, Laguna

Religious Affiliation	Population	% to Total Population
Roman Catholics	43,637	88%
Iglesiani Cristo	1,445	3%
Other Religious Affiliations	3,039	6%
Aglipay	946	2%
Jesus is Lord Church	648	1%
Total	49,714	100%

Source: Philippine Statistics Authority, 2015

Literacy Rate

Access to education is vital to have a decent job and opportunity. Alaminos has a 98 percent literacy rate compared to the literacy rate of Laguna which is 90.10 percent. This rating can be attributed to public schools present from all level and vocational school and accessible to everyone within the municipality as well as in the neighboring cities and municipalities.

Table 47. Literacy Rate of Alaminos, Laguna

Indicator	Male		Fem	ale	Both Sex		
Indicator	No.	%	No.	%	No.	%	
Literate	21496	98	21,402	98	42898	98	
Illiterate	444	2	414	2	858	2	
Total	21940	-	21816	-	43756	-	

Differently-Abled Persons (Persons with Disabilities)

Differently abled persons (DAP) in the municipality of Alaminos are clustered into persons with psychosocial disability, mental disability, hearing disability, visual disability, speech disability, learning disability and orthopedic disability. There are 156 persons (35%) with psychosocial disability, which is also the highest among other disabilities. Speech and hearing

disabilities showed to be the least in terms of number of listed individuals with both 27(both with 6%) in number. Overall number of differently abled person is 449 (refer to Table 48 and Map 26).

Table 48. Population of Disabled Persons by Age Group, Sex, and Type of Disability of Alaminos, Laguna

Figure 6. Differently-Abled Persons of Alaminos, Laguna

Age Group	Psych a Disal		Mer Disab		Disa	ring bility	Vis Disa	ual bility	Disa	ech bility	Learı Disab		Ortho _j Disab	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 to 4	2	2	6	4	0	1	0	0	1	0	1	0	0	0
5 to 9	6	4	6	5	1	1	2	2	5	2	4	3	2	1
10 to 14	9	4	6	2	2	4	1	0	3	1	2	0	3	1
15 to 19	7	4	6	5	3	1	1	3	3	3	2	0	1	2
20 to 24	2	6	3	7	1	0	1	0	0	3	0	0	3	3
25 to 29	3	6	3	3	1	1	0	0	0	2	0	2	0	2
30 to 34	2	6	6	5	4	0	0	3	0	2	0	1	10	3
35 to 39	7	5	6	4	0	0	2	2	0	0	0	1	7	1
40 to 44	1	10	3	2	1	4	2	0	0	0	0	0	6	6
45 to 49	13	6	3	3	0	0	2	0	0	0	0	0	3	5
50 to 54	10	7	2	3	0	0	1	1	1	0	0	0	10	7
55 to 59	10	11	0	5	0	1	2	4	0	1	0	0	3	4
60 to 64	5	4	6	0	0	1	0	0	0	0	0	0	1	1
65 to 69	2	0	0	0	0	0	0	0	0	0	0	0	2	0
70 to 74	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 to 79	0	0	0	0	0	0	1	0	0	0	0	0	0	1
80 - 89	1	0	0	0	0	0	0	0	0	0	0	0	0	0
=> 90	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	81	75	57	48	13	14	15	15	13	14	9	7	51	37
Total	15	56	10	5	2	7	3	0	2	7	16	5	88	3

Source: Philippine Statistics Authority, 2015

Population Projections and Estimates

Population Projection by Barangay

By 2027, Alaminos is expected to reach 60,080 as to number of population using the growth rate of 1.92. Barangay San Benito is projected to be the most populated barangay in Alaminos with 7,905. Other barangays also showed an expected increase in the number of population. These increases will require additional facilities and personnel on institutions catering basic services.

The doubling time calculated for Alaminos is 36 years, which indicates that the population will double its population. Doubling time refers to the length of time which a

particular population would double its size under a given growth rate. Low growth rate is a good indicator because there is a lot of time to accommodate large population, and plan to make adjustments to provide basic services and needs.

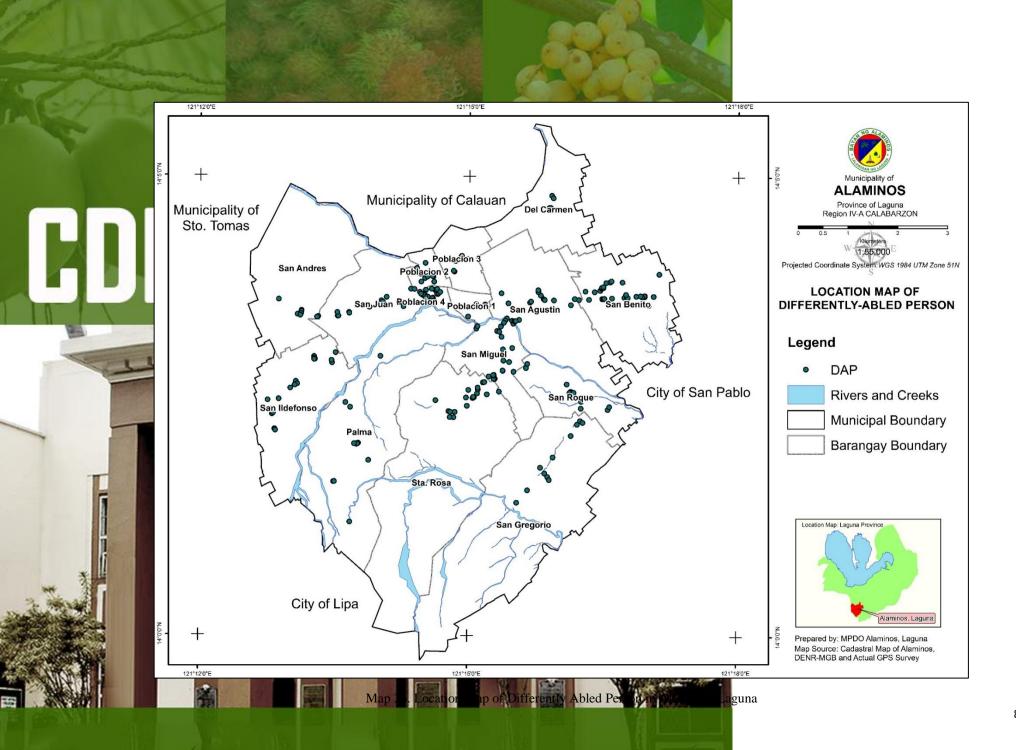
Table 49. Population Projection per Barangayin Alaminos, Laguna

Table 49. Population Projection per Barangayin Alaminos, Laguna									
Barangay			Pol	oulation					
Darangay	2017	2018	2019	2020	2021	2022	2027		
Urban									
Poblacion 1	3,496	3,560	3,626	3,692	3,760	3,828	4,192		
Poblacion 2	2,913	2,966	3,020	3,076	3,132	3,189	3,492		
Poblacion 3	2,779	2,830	2,881	2,934	2,988	3,042	3,331		
Poblacion 4	3,519	3,584	3,649	3,716	3,784	3,853	4,219		
San Agustin	5,895	6,009	6,126	6,245	6,366	6,489	7,144		
San Benito	6,523	6,650	6,779	6,910	7,045	7,181	7,905		
Sub-Total	25,125	25,599	26,081	26,573	27,075	27,582	30,283		
Rural									
Del Carmen	1,195	1,218	1,241	1,265	1,290	1,315	1,448		
Palma	2,609	2,660	2,712	2,764	2,818	2,872	3,162		
San Andres	3,426	3,492	3,560	3,629	3,700	3,771	4,152		
San Gregorio	3,443	3,510	3,578	3,648	3,719	3,791	4,173		
San Ildefonso	2,930	2,987	3,045	3,104	3,164	3,226	3,551		
San Juan	3,228	3,291	3,355	3,420	3,486	3,554	3,912		
San Miguel	2,112	2,153	2,195	2,237	2,281	2,325	2,559		
San Roque	2,322	2,367	2,413	2,459	2,507	2,556	2,813		
Sta. Rosa	3,323	3,387	3,453	3,520	3,588	3,658	4,027		
Sub-Total	37,007	37,725	38,457	39,203	39,963	40,739	44,846		
Total	49,714	50,664	51,633	52,620	53,626	54,652	60,080		

Source: Philippine Statistics Authority, 2015

Projected School-Age, Labor Force, and Dependent Populations

Among the three age groups (school going age (4-24 years old), labor force (15-64 years old), dependent age (0-14 and 65 above years), 15-64 years old appeared to be the highest in number. By year 2027, labor force population is expected to be 39,097, which will lead to more number of job seekers, thus, number of job offers and vacancies should also increase.



On the other hand, school going age population is expected to be 28,176. Increase in the number of school going population will require additional elementary and secondary schools if the existing schools cannot accommodate all of the students.

Meanwhile, dependent population is anticipated to be 20,983. This population is composed of young dependents age ranging from 0-14 years old and old dependents age ranging from 65 years old and above.

Table 50. Projected School Age, Labor Force and Dependent Population of Alaminos, Laguna

Projected Population								
2015	2017	2018	2019	2020	2021	2022	2027	
School go	ing Age (5-	19)						
13,967	14,508	14,786	15,069	15,356	15,650	15,949	17,534	
Labor For	ce (15-64)		The Sale		CALL STREET			
31,144	32,351	32,969	33,600	34,242	34,897	35,565	39,097	
Dependen	t Age (0-14	and 65 abo	ove)	AVAN	A ROLL SH	160		
16,715	17,363	17,695	18,033	18,378	18,729	19,087	20,983	

Source: Philippine Stursics Authority, 2015

Out of populat mprised thos ows the other who ar h sch able belo numbe st- secondary in numb popul with 80 and college leve The pro private educational ablic and institut help in municip s as k er to the

Table 51. Educational Attainment in Aleminos, Lagu

Highest		Municipal						cial
Educational	Ma	le	Fem	ale	Both S	Sexes	Both Se	exes
Attainment	No.	%	No.	%	No.	%	No.	%
Elementary	6,435	32	5,804	28	12.239	30	576	Y
1 st - 4 th Grade	3,137	15	2,589	13	5.726	14	320	0
5 th - 7 th Grade	3,298	16	3,215	<u> </u>	6 113	16	256	0 =
High School	9,262	45	8,836	7 43	18,098	44	30,240	16
<u>Undergraduate</u>	3,113	15	2,519	12	-5.6 32	14	2,362	3.
Graduate	6,149	_30	6,317	31	466	31	27,878	44
Post-Secondary	402	2	403	2	5	2	5,607	1/2
Undergraduate	35	0	34	0	69	0	354	0
Graduate	367	2	369	2	736	2	5,253	6
College	4,273	21	5,338	26	9,611	24	46,511	56
Undergraduate	2,333	-11	2,455	12	4,788	12	13,664	16
Academic Degree	1,940	10	2,883	14	4,823	12	32,847	40
Post Baccalaureate	11	0	10	0	21	O	105	0
Not Stated	7 5	0	9	0	14	0	17	0
Total	20,377		20,390		40,767		82,951	

Source: Philippine Statistics Authority, 2015

PROFILE



MUNICIPALITY OF ALAMINOS PROVINCE OF LAGUNA REGION IV - A



B. General Welfare

Education

Preparatory, Elementary and Secondary

Schools (by level, type, and facilities and condition)

Alaminos has 19 elementary schools, 13 of which are public while 6 are private schools. Generally, private school facilities are in good condition while some public school facilities needs repair (minor/major) or demolition.

Most public elementary schools do not have a laboratory and a shop, most libraries are in good condition except forSan Ildefonso Elementary School's library, which needs demolition, seven (7) schools do not have a clinic, comfort rooms need a repair, and play grounds are in good condition.

There are six (6) high schools in Alaminos, three (3) public schools and three (3) private schools. As observed, public high schools either lack the facilities or, if existing, needs a repair.

Table 52. Schools by Level, Type, and Condition of Facilities, SY 2018

Cabaal		Area					ies an	d Con	ditior	1
School	Barangay	(Ha)	Ownership	La	S	Li	Cl	CR	P	Others
Elementary S	chool (ES)									
San Juan ES	San Juan	0.495	Public	N	N	G	N	G	G	Feeding Area (G)
San RoqueES	San Roque	0.500	Public	N	N	N	/	N	G	N
Santa Rosa ES	Sta. Rosa	-	Public	N	N	N	N	P	G	N
Alaminos ES	Pob.3	2.824	Public	N	/	/	/	/	/	N
San Ildefonso ES	San Ildefonso	-	Public	N	N	D	/	С	D	Feeding Room (D)
San Andres ES	San Andres	-	Public	N	N	С	/	P	С	N
San Agustin ES	San Agustin	0.519	Public	N	N	G	N	P	N	N
San Benito ES	San Benito	0.627	Public	N	N	N	G	N	G	N
Del Carmen ES	Del Carmen	1.200	Public	N	N	N	N	/	N	N
Palma ES	Palma	0.500	Public	N	N	N	N	N	N	Canteen, E-room, Feeding Area
San Miguel ES	San Miguel	0.287	Public	N	N	N	N	N	N	N
DemesaES	San Gregorio	1.080	Public	N	G	G	G	G	G	Canteen (G)
Maranatha Christian Academy	Pob.2	0.210	Private	N	N	N	/	/	/	N
Palm Valley Multiple Intelligence School, Inc.	Pob. 3	3.000	Private	G	G	G	G	G	G	N
Marcelino Fule College	Pob.1	1.000	Private	/	N	/	/	N	/	N
Cresmat Learning Center	Pob. 1	0.123	Private	/	/	/	N	/	/	N
Reymarie	Pob. 1	-		N	N	G	N	/	N	Office (G), Canteen

Cabaal	Dananaan	Area	O		F	aciliti	ies an	d Con	dition	1
School	Barangay	(Ha)	Ownership	La	S	Li	Cl	CR	P	Others
										(G)
St. Paul Learning Academy	Pob.3	0.900	Private	/	/	\	/	/	/	N
High School (HS)										
Buenaventura E. Fandialan Memorial Integrated National HS	San Agustin	-	Public	N	N	N	N	Р	/	Canteen (C), Speech Lab
Marcelino Fule Memorial College	Pob.1	1.000	Private	/	N	/	/	/	/	N
Palm Valley Multiple Intelligence School, Inc.	Pob. 3	3.000	Private	/	/	/	/	/	/	N
Alaminos Integrated National HS	Pob.2	0.600	Public	N	N	С	N	С	G	Canteen (G), HE Room (C)
St. Paul Learning Academy	Pob. 3	0.910	Private	/	/	/	/	/	/	N
Ibayiw Integrated National HS	San Miguel	-	Public	N	N	С	N	С	С	HE Room (C)

Source: MPDO, 2018

Ownership - Public/Private

Facilities: La - Lab, S - Shop, Li - Library, Cl - Clinic, CR - Comfort Room, P -

Playground, O - Others

Condition: G – Good (Well Maintained), P – Poor (Needs Improvement), C – Critical (Needs Priority Action), D – For demolition, N – None, / – Present but condition is not indicated

Student-Teacher and Student-Classroom Ratios

The Department of Education (DepEd) targets 1:35 student-teacher and student-classroom ratio in elementary level and 1:40 for high school to maintain the quality of education that students can get.

Currently, public and private high schools, comply to the student-teacher ratio. For student-classroom ratio, Alaminos Integrated National High school has an average of 62 students in one (1) classroom which is way beyond the prescribed ratio. Ibayiw Integrated National High School, as well, is beyond the prescribed ratio, having 44 students in one (1) classroom. Overall, Alaminos does not needadditional classrooms.

All private elementary schools are within the prescribed student-teacher and student classroom ratio. As for public elementary schools, four (4) out of twelve (12), have a student-teacher ratio which is beyond the prescribed 1:35. These schools include: Alaminos Elementary School, San Agustin Elementary School, San Benito Elementary School, Sta. Rosa Elementary School.

On the other hand, six (6) out of 12 elementary schools have exceeded the prescribed student-classroom ratio, these are: Alaminos Elementary School, Palma Elementary School, San Agustin Elementary School, San Andres Elementary School, Sta. Rosa Elementary School. However, generally, the number of classrooms for elementary students exceeded its

requirements by 32 classrooms, if all students are equally distributed in all schools, which do not happen as some schools are more expensive than others.

Education must be provided for the youth but going beyond the standard ratio of student-teacher and student-classroom set by DepEd may compromise the quality of education, learning of the students, and the performance of teachers. There is a need, especially in public schools, to employ additional teachers and build classroom in order to meet standard

Table 53. Student-Teacher and Student-Classroom Ratio by Level, SY 2018

Table 53. Student-Teacher and S				by Level,	S1 201	o 				
Name of School	M	nrollme F	ent Total	No. of Teacher s	No. of Class rooms	Student- Teacher Ratio	Student- Classroom Ratio			
High School (HS)										
Public										
Alaminos Integrated Nat'l HS	1,043	1,004	2,047	73	33	28:1	62:1			
Buenaventura E. Fandialan	1,043	1,004	2,047	73	33	20.1	02.1			
Memorial Integrated Nat'l HS	144	119	263	16	12	16:1	22:1			
Ibayiw Integrated National HS	373	338	711	28	16	25:1	44:1			
Private										
Palm Valley International School	49	52	101	6	6	17:1	17:1			
KCD Senior HS	160	75	235	7	6	34:1	39:1			
St. Paul Learning School	nd	nd	0	nd	nd	nd	nd			
Marcelino Fule Memorial	_	_		_	_	_	_			
College - HS	nd	nd	0	nd	nd	nd	nd			
Elementary School (ES)				•		•	•			
Public										
Alaminos ES	1,090	938	2,029	55	53	37:1	38:1			
Del Carmen ES	85	58	143	7	7	20:1	20:1			
DemesaES	207	187	394	12	12	33:1	33:1			
Palma ES	160	132	292	9	8	32:1	37:1			
San Agustin ES	285	242	527	14	14	38:1	38:1			
San Ildefonso ES	204	179	383	13	13	29:1	29:1			
San Roque ES	130	106	236	7	7	34:1	34:1			
San Andres ES	226	195	421	13	10	32:1	42:1			
San Benito ES	313	278	591	15	15	39:1	39:1			
San Miguel ES	166	164	330	13	13	25:1	25:1			
San Juan ES	187	197	384	14	24	27:1	16:1			
Santa Rosa ES	261	214	475	13	10	37:1	48:1			
Private										
Reymarie	24	17	41	9	9	5:1	5:1			
Maranatha	14	34	48	3	3	16:1	16:1			
Cresmat	125	130	255	12	13	21:1	20:1			
Palm valley International School	67	62	129	10	10	13:1	13:1			
St. Paul Learning School	38	84	122	6	6	20:1	20:1			

Source: MPDO, 2018

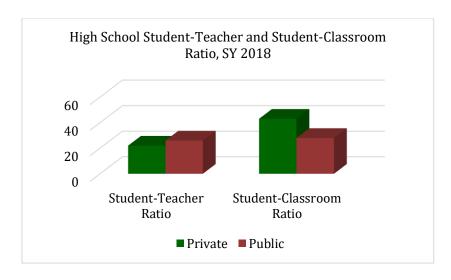


Figure 7. High School Student-Teacher and Student-Classroom Ratio, SY 2018

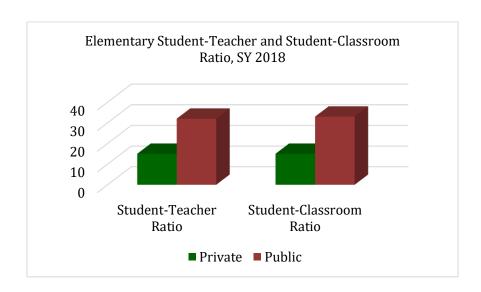


Figure 8. Elementary Student-Teacher and Student-Classroom Ratio, SY 2018

Tertiary and Vocational/Technical

Schools

Marcelino Fule Memorial College, a private school, is the only school that offers tertiary education in the municipality of Alaminos which offers courses such as Bachelor of Elementary Education, Bachelor of Secondary Education, and Bachelor of Science in Business Administration. They also offer certificate courses such as Bookkeeping, Computer Programming, and Associate in Hotel and Restaurant Management.

KCD Technical Institute, located along Maharlika Highway, is a technical/vocational school that is accredited by Technical Education and Skills Development Authority (TESDA). The institute offers programs such as welding, electrical installation and maintenance, mechatronics servicing, and dressmaking.

Table 54 shows that in KCD Technical Institute, there were more females enrolled compared to males in 2018.

Table 54. Tertiary and Vocational/Technical Schools by Type and Total, SY 2018

Name of School	Donongov	Area	Ovynovahin	Total Enrollment		
Name of School	Barangay	(ha)	Ownership	M	F	
Tertiary						
Marcelino Fule Memorial	Poblacion					
College	1	0.551	Private	nd	nd	
Vocational/Technical						
KCD Technical Institute	Poblacion 3	0.237	Private	423	443	

Source: MPDO, 2018

Historical Enrollment by Level

Historical enrollment is used to monitor the number of students enrolled in the past and often compared to the current enrollment whether the number of students enrolled increased or decreased. It can be used as an indicator to determine if there is a need to provide more classrooms or teachers to accommodate the students. More often than not, it is presumed that student transfer causes an increase or decrease in enrollment.

The general trend for the historical enrollment in elementary schools from 2013 to 2017 is decreasing. Among all the elementary schools, the decrease is evident in Alaminos Elementary School, San Benito Elementary School, San Miguel Elementary School, Demesa Elementary School, and St. Paul Learning School. In the past two years, San Roque Elementary School and San Agustin Elementary School also had a decrease in their enrollment.

All high schools have a consistent increase in enrollment for the past five years except St. Paul Learning School.

Table 55. Historical Enrollment by Level for the Past Five School Years

Cahaal		History	of Enro	llment	
School	2013	2014	2015	2016	2017
Elementary					
San Juan Elementary School	325	347	341	356	384
San Roque Elementary School	200	201	232	242	236
Santa Rosa Elementary School	550	534	509	471	475
Alaminos elementary School	2045	1827	1842	1895	1836
San Ildefonso Elementary School	312	339	338	369	383
San Andres Elementary School	419	407	410	406	421
San Agustin Elementary School	502	545	540	541	528
San Benito Elementary School	635	663	635	647	591
Del Carmen Elementary School	132	138	137	145	143
Palma Elementary School	229	246	238	288	292
San Miguel Elementary School	386	354	347	336	330
Demesa Elementary School	428	490	500	481	466
Maranatha Christian School	n/a	n/a	n/a	35	58
Palm Valley Multiple Intelligence School, Inc.	96	117	122	125	129
Marcelino Fule College	141	144	138	104	141
Cresmat Learning Center	145	153	170	198	203
Reymarie	60	60	47	47	52
St. Paul Learning School	386	426	295	134	122
Total	6931	6991	6841	6820	6790

School	History of Enrollment							
School	2013	2014	2015	2016	2017			
High School								
Buenaventura E. Fandialan Memorial Integrated	174	166	169	181	268			
National High School	1/4	100	109	101	208			
Marcelino Fule Memorial College	295	305	329	405	488			
Palm Valley Multiple Intelligence School, Inc.	25	37	51	72	101			
Alaminos Integrated National High School	1333	1388	1490	1748	1898			
St. Paul Learning School	382	397	295	290	235			
Total	2209	2293	2334	2696	2990			

Source: MPDO, 2018

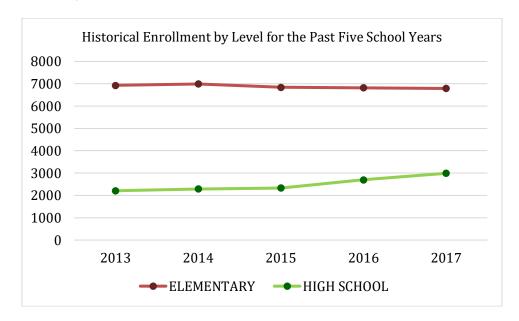


Figure 9. Historical Enrollment by Level for the Past Five Years

Out of School Youth and Alternative Learning System

DepEd defined Alternative Learning System (ALS) as a parallel learning system which provides educational option to youth (Except for the minimum age requirement of 11 years old for elementary dropouts, and 15 years old for high school dropouts, anyone can take ALS regardless of age) that do not have an access to formal education in schools in their communities. It includes non-formal/informal sources of knowledge and skills. There are two (2) major programs under ALS, the *Basic Literacy Program* and the *Continuing Education Program—Accreditation and Equivalency*, these programs flexible and can take place any time and any place, making it practical for the ALS students.

Barangays San Miguel and San Juan do not have any out of school youth. As for other barangays, the Municipal Social Welfare and Development Office are still identifying children who are not enrolled in school to offer ALS.

Historical Enrollment by Participation Rate

Enrollment Participation Rate (EPR) can be an indicator whether the elementary and high school enrollees are increasing or decreasing. As shown in Table SO 5, the EPR of elementary enrollees are beyond 100%, this means that all elementary school students in Alaminos are enrolled plus, there are enrollees in elementary schools of Alaminos who are from neighboring municipalities.

On the other hand, the table below shows the EPR of high schools. Through 2013 to 2017, the EPR is constantly increasing however, it is still below the target of a 100%. One reason for this is that, EPR does not take into account the existence of ALS, where some students may not be enrolled in a school but may be studying with the help of the ALS.

Table 56. Historical Enrollment Participation Rate for the Past Five Years

Voor	Enrollment Participation Rate							
Year	Elementary	High School						
2013	105.17	59.98						
2014	106.08	62.26						
2015	103.81	63.37						
2016	103.49	73.20						
2017	103.03	81.18						

Source: MPDO, 2018

Projected Classroom and Teacher Requirements

Table 57 summarizes the current and projected classroom and teacher requirements of Alaminos. For classrooms, the minimum space required is 1.4 square meters. By 2023, the municipality shall be able to provide 138 classrooms for both elementary and secondary levels, and by 2028, 43 additional classrooms are needed to accommodate the increasing enrolments.

Given the broad base of the population pyramid of the municipality, by 2023, Alaminos will need 82 teachers for elementary level and one (1) for secondary level. By 2028, 30 additional teachers, provided that there 82 teachers were provided already, and 13 secondary teachers to meet the standard set by the Department of Education.

Table 57. Projected classroom and teacher requirements of Alaminos, Laguna

Level	Planning Period						
Level	2017	2019	2020	2021	2022	2022	2027
Projected Enrollment	14,508	14,786	15,069	15,356	15,650	15,949	17,534
Elementary	9,759	9,946	10,136	10,330	10,527	10,729	11,794
Secondary	4,749	4,840	4,933	5,026	5,123	5,220	5,740
Classroom							
Elementary	52	57	63	68	74	80	110
Secondary	46	48	50	53	55	58	71
Teacher							
Elementary	54	59	65	70	76	82	112
Secondary	-11	-9	-7	-4	-2	1	14

Source: Source: Philippine Statistics Authority, 2015; MPDO, 2018

Health and Sanitation

Facilities and Personnel

Alaminos' Rural Health Unit (RHU) is composed of a Main Health Center (MHC) and eight (8) Barangay Health Stations (BHS). The municipality has no existing private or public hospital, and the RHU located in barangay Poblacion III serves as the main health facility in the municipality and have a total of personnel including one (1) doctor, one (1) nurse, one (1) midwife, and a sanitary inspector. With a population of 49,714 in 2017, it is recommended that the municipality should at least have two (2) doctors, two (2) nurses, three (3) midwives,

and three (3) sanitary inspector in order to cater the health services needed by the population (refer to Table 58).

The Department of Health (DOH) also recommends that the service zone for a BHS should be three (3) to five (5) kilometers depending on the ease of transport of both the health staff and the patient. The BHS is also expected to provide maternal and child care, immunizations, treatment of simple medical conditions, nutrition, family planning, sanitary health care, emergency treatment and health education. On the other hand, MHC is a requirement in every municipality regardless of its population.

Table 58. Health Facilities, Personnel, and Ownership of Alaminos, Laguna

Name of Health Facility	Barangay	Type Of Medical Health Center Facility	No. of Bed	No. of Doctor	No. of Nurse	No. of Mid- wife	No. Sanitary Inspector	Others	Total
Alaminos RHU	Pob.3	Main health center	2	1	1	1	1 (PROR)	NDP- EMTRA CTUAL Nurse 3	7
San Benito	San Benito	Health Station	0	0	0		0	NDP Nurse 1	1
San Agustin	San Agustin	Health Station	0	0	0	1	0	0	1
San Andres	San Andres	Health Station	0	0	0	1	0	0	1
San Juan	San Juan	Health Station	0	0	0	0	0	NDP Nurse 1	1
San Ildefonso	San Ildefonso	Health Station	0	0	0	0	0	NDP Nurse 1	1
San Miguel	San Miguel	Health Station	0	0	0	0	0	NDP Nurse 1	1
Sta. Rosa	Sta. Rosa	Health Station	0	0	0	0	0	NDP Nurse 1	1
San Gregorio	San Gregorio	Health Station	0	0	0	1	0	0	1

Source: Rural Health Unit, 2018, *NDP Nurse Deployment Program of the DOH

Leading Causes of Morbidity

Morbidity refers to how often a disease occurs in a specific geographic area used in assessing health situation and services in the population.

Acute upper respiratory infections have been the leading cause of morbidity in the municipality from 2015 to 2017. The acute upper respiratory infection affects the nose, sinuses, pharynx, or the larynx and leads to common diseases such as sore throat, nasal obstruction, tonsillitis, pharyngitis, laryngitis, sinusitis, and common cold. In the past three years, acute upper respiratory infection shows an increasing trend totalling to 26,913 recorded cases. This particular infection affects both male and female of any age group but is more prevalent among children from one to four (1-4) years of age.

Other causes of morbidity include:

- 1. Disorder of eyelids, lacrimal system, and orbit disease or medical condition that affects the eye
- 2. Urinary system diseases- a general category of diseases which involves the urinary tract
- 3. Early complications of trauma- injuries that may cause prolonged disability or death
- 4. Skin and subcutaneous tissue disorder diseases such as dermatitis and eczema

- 5. Soft tissue disorders- problems with tendons, ligaments, etc.
- 6. Injuries to unspecified part of trunk, limb, or body region- damage to the body caused by external force
- 7. Non-infective enteritis and colitis- enteritis is the inflammation of the small intestine while colitis is the inflammation of the colon
- 8. Viral infections characterized by skin and mucous membrane lesions skin damage through injury or disease such as wound, ulcer, lump, or bump
- 9. Hypertensive diseases diseases caused by chronic elevated blood pressure

Table 59. Ten Leading Causes of Morbidity for The Past Three Years of Alaminos, Laguna

Causes	2015	2016	2017	Total
Acute Upper Respiratory Infections	7754	8314	10845	26913
Disorder of eyelids, lacrimal system, and orbit	6	923	495	1424
Other diseases of urinary system	475	507	407	1389
Certain early complications of trauma	43s9	397	460	1296
Other disorder of the skin and subcutaneous tissue	578	153	498	1229
Soft tissue disorders	261	349	559	1169
Injuries to unspecified part of trunk, limb, or body region	23	553	553	1129
Non-infective enteritis and colitis	409	383	291	1083
Viral infections characterized by skin and mucous membrane lesions	203	446	324	973
Hypertensive diseases	294	402	178	874

Source: Rural Health Unit, 2018

Leading Causes of Mortality

Mortality is defined as the occurrence of deaths in a population. According to the municipality's rural health unit, the top cause of mortality in the past three years is other forms of heart disease (includes coronary artery disease, angina, heart attack, etc.) with 79 reported cases (Table SO 8). In the Philippines, other forms of heart disease is ranked as seventh in the top causes of death among Filipinos in 2016. This cause of mortality are more common to males than females ages 50 years old and above.

Other causes of mortality include:

- 1. General symptoms and signs
- 2. Other diseases of the respiratory system- may include asthma, bronchitis, chronic obstructive pulmonary disease, etc.
- 3. Malignant neoplasms- cancerous tumor
- 4. Renal failure- kidney failure, last stage of chronic kidney disease
- 5. Ischaemic heart diseases- narrowed arteries causing less blood and oxygen in the heart
- 6. Influenza and Pneumonia- influenza is a highly contagious infection caused by influenza virus while pneumonia is influenzation of the lungs
- 7. Cerebrovascular diseases- includes stroke, aneurysms, and vascular malformations
- 8. Symptoms and signs involving the circulatory and respiratory
- 9. Other bacterial diseases- may include tuberculosis, meningitis, STDs, etc.

Table 60. Ten Leading Causes of Mortality for The Past Three Years of Alaminos, Laguna

Causes	2015	2016	2017	Total
Different forms of heart disease	21	35	23	79

General symptoms and signs	3	14	35	52
Other diseases of the respiratory system	10	6	13	29
Malignant neoplasms	14	5	8	27
Renal failure	11	4	11	26
Ischaemic heart diseases	9	5	11	25
Influenza and Pneumonia	7	5	12	24
Cerebrovascular diseases	1	8	13	22
Symptoms and signs involving the				
circulatory and respiratory	14	1	6	21
Other bacterial diseases	6	5	3	14

Source: Rural Health Unit, 2018

Nutritional Status

According to Gomez classification, protein-energy malnutrition is classified into three (3) degrees. The classification is based on the percentage of expected weight for age where, over 90 percent is normal, 76-90 percent is first(1st) degree malnutrition (mild malnutrition), 61-75 percent is second (2nd) degree malnutrition (moderate malnutrition), and less than 60 percent is third (3rd) degree malnutrition (severe malnutrition).

Table 61 below shows that there is a steady decrease in cases malnutrition in Alaminos. In 2017, only 3.54 percent of the total number of children ages 0 to 15 are considered malnourished, if this is compared with 3.57 percent and 5.14 percent malnourished children in 2016 and 2015, respectively, the percentage of children with malnourishment in 2017 is lower.

The Barangay Nutrition Scholars (BNS) give consistent efforts to eradicate the incidence of malnourishment in the municipality by monitoring the weight of the children, conducting feeding program, and promotion of good nutrition.

Table 61. Malnourished Children for the Past Three Years of Alaminos, Laguna

Dograd Of	2015		2016		2017	
Degree Of Malnutrition	Number	% of Children	Number	% of Children	Number	% of Children
1st	208	449	136	3	138	3.17
2nd	30	0.65	21	0.47	16	0.36
3rd	0	0	0	0	0	0
TOTAL	238	5.14	157	3.57	154	3.54
Total No. of Children (0-15 years)	4,630	-	4,395	-	4,343	-

Source: Rural Health Unit, 2018

Projected Requirement for Barangay Health Facilities

Based on the standard set in Housing and Land Use Regulatory Board (HLURB) guidelines, the ratio of population to a barangay health facility should be 5000:1. Barangays San Agustin and San Benito do not meet the required number of barangay facility (refer to Table 62).

The Municipal Health Center is located in barangay Poblacion III. It can accommodate patients in the Poblacion area, as well as the patients from other barangays which has no barangay health station, these includes barangays Poblacion I, Poblacion IV, Palma, Del Carmen, San Roque.

Table 62. Projected Requirements for Barangay Health Facilities, Year 2018 of Alaminos,

Laguna

Bugunu						
Barangay	2018	2019	2020	2021	2022	2027
Poblacion 1	0	0	0	0	0	0
Poblacion 2	0	0	0	0	0	0
Poblacion 3	0	0	0	0	0	0
Poblacion 4	0	0	0	0	0	0
Del Carmen	0	0	0	0	0	0
Palma	0	0	0	0	0	0
San Agustin	1	1	1	1	1	1
San Andres	0	0	0	0	0	0
San Benito	1	1	1	1	1	1
San Gregorio	0	0	0	0	0	0
San Ildefonso	0	0	0	0	0	0
San Juan	0	0	0	0	0	0
San Miguel	0	0	0	0	0	0
San Roque	0	0	0	0	0	0
Sta. Rosa	0	0	0	0	0	0

Source: Rural Health Unit; MPDO, 2018

Inventory of Cemeteries and Memorial Parks

Alaminos has four (4) cemeteries and memorial parks. The privately-owned memorial park includes: Alaminos Memorial Park, Inc., Roloma Memorial Park Corp., and Mulberry Garden Memorial Park, there is only one government-owned cemetery which is Alaminos Public Cemetery. The Mulberry Memorial Garden is still under construction. Although there are available plots, these are privately-owned which means that these plots are expensive and some may not be able to afford to buy it (refer to Table 63). Alaminos also has a low death rate which may signify that the population is living in a safe and healthy environment and the provision of good healthcare services. Although the CDR is relatively low, there is still a need for an expansion or addition of a public cemetery in the municipality because some families may not be able to afford a burial of a deceased relative in a private cemetery.

Table 63. Cemeteries and Memorial Parks in Alaminos, Laguna

Name	Barangay	Ownership	Area (Ha)	Capacity*	No. of Plots
Alaminos Memorial Park Inc.	Poblacion 2	Private	3.5	n.d	n.d.
Alaminos Public Cemetery	Poblacion 2	Public	1.6	n.d.	n.d.
Roloma Memorial Park Corp.	Poblacion 2	Private	3.0	9,518	9,518
Mulberry Garden Memorial Park	San Juan	Private	10.49	19,011	15,095

Source: MPDC, 2018

Capacity - Number of Burial Plots, Number of Columbarium/Ossuary, Niches

Household Distribution by Type of Toilet Facility

Generally, 90.7% of the households in the municipality have access with sanitary toilet. Among the 10,137 households, only 843 households do not have sanitary toilet, most of them belong to barangay Del Carmen.

Table 64. Household Distribution by Type of Toilet Facility in Alaminos, Laguna

Barangay	No. of Household	No. of household without Sanitary Toilet	No. of household with Sanitary Toilet	Percentage of household with Sanitary Toilet
Poblacion 1	550	38	512	93%
Poblacion 2	440	8	432	98%
Poblacion 3	496	40	456	92%
Poblacion 4	527	13	514	96%
Del Carmen	281	94	187	67%
Palma	623	104	519	83%
San Agustin	805	50	755	94%
San Andres	887	103	784	88%
San Benita	1,415	69	1346	95%
San Gregorio	855	52	793	93%
San Ildefonso	711	85	626	88%
San Juan	646	8	638	99%
San Miguel	428	56	372	87%
San Roque	469	97	382	81%
Sta. Rosa	1,004	26	978	97%
Total	10,137	843	9294	90.7%

Source: Rural Health Unit, 2017

Solid Waste and Wastewater Facilities

Solid Waste Generation and Treatment

Among the different sources of waste generation, most of the volume of the waste generated comes from the domestic source, which is at 21, 586.39 kilograms per day. According to the Solid Waste Management Plan (SWMP) 2015-2024, Alaminos practices recycling and vermicomposting. Due to lack of a land fill, the existing schedule of waste collection (refer to Annex A) is not strictly followed. The municipality has no sanitary land fill and the final disposal site is in San Pedro, Laguna.

Table 65. Solid Waste Generation by Source in Alaminos, Laguna

Source	Types of Waste	Volume of Solid Waste Generated (kgs/day)	Disposal Methods/ Treatment Facilities
Domestic	Biodegradable, Recyclable, Residual, Special, Others	21,586.39	Collection, Recycling, Vermi Composting
Commercial	Biodegradable, Recyclable, Residual, Special, Others	501.57	Collection, Recycling, Vermi Composting
Industrial	Biodegradable, and Recyclable	6.23	Collection, Recycling, Vermi Composting
Institutional	Biodegradable, Recyclable, Residual, Special, Others	124.95	Collection, Recycling, Vermi Composting
Others	Biodegradable, Recyclable, Residual, Special, Others	51.28	Collection, Recycling, Vermi Composting

Source: Solid Waste Management Plan, 2013

Materials Recovery Facilities

Alaminos has several MRFs, and the capacity depends upon the waste generated. The Solid Waste Management Plan reported that there will be increase of waste generation due to the increase in population. By 2024, it is projected to have a 28,937.66 kilogram of daily waste generated based on population. Therefore, there is a need to expand existing and establish new MRFs to reduce the pollution, bad odor and contamination.

Housing

Housing is considered as one of the basic social services that the municipality should provide to the people especially those who cannot avail housing services. Land and facilities with good condition are some of the requirements of a good quality housing.

Housing Situation

The standard ratio between household and housing unit is 1:1. This means that a household occupies one (1) housing unit. The average household size occupying a housing unit is five (5), which implies that an average household size is composed of the parents and three (3) offspring.

There has been an increase of 4,238 housing population from 2010 to 2015. Alaminos has a ratio of household to occupied housing unit in 2015 is 1.01:1, this means that the municipality meets the standard ratio. However, as for the household population to occupied housing unit, the ratio is 4.33:1. This is an indication that multiple households occupy a single household unit.

Table 66. Housing Situation in the Past Three Censal Years in Alaminos, Laguna

Description	2007	2010	2015
Households (HH)	9,019	9,611	11,103
Household Population	40,377	43,510	47,859
Occupied Housing Units (HU)	9,012	9,497	11,025
Ratio of HH to Occupied HU	1:1	1.01:1	1.01:1
Ratio of HH Population to Occupied HU	4.48:1	4.58:1	4.33:1

Source: Philippine Statistics Authority, 2015

Housing Backlog

There are 343 housing backlogs in the municipality in 2015. It should be noted that 75.80 percent of the housing backlogs are from doubled up households and unacceptable housing units.

Table 67. Housing backlogs in Alaminos, Laguna

Dooklog	203	2015			
Backlog	No.	%			
Doubled-Up Households	78	37.61			
Unacceptable Housing Units	131	38.19			
Makeshift/ Salvage/ Improvised HU	73	21.28			
Others	10	2.92			
Total	292	100			

Source: Philippine Statistics Authority, 2015

Informal Settlements

Informal settlement is defined as an area where housing units have been constructed on land not owned by the occupants. More often than not, informal settlements are made up of light materials, which are susceptible to fire, especially since houses are closely spaced and have narrow roads or pathways, and other disasters. Occupants in informal settlements are often perceived as poor or underprivileged. Alaminos has 249 identified informant settlers in the municipality, 136 of which belong to the urban barangays, and 133 belong to the rural barangays. Barangays Poblacion III, Del Carmen, San Ildefonso, San Juan, and San Roque do not have an informant settler.

Table 68. Informal Settlers in Alaminos, Laguna

Barangay	Informal Settlers
Poblacion 1	41
Poblacion 2	27
Poblacion 3	0
Poblacion 4	30
San Benito	16
San Agustin	22
Palma	34
Del Carmen	0
San Andres	18
San Gregorio	5
San Ildefonso	0
San Juan	0
San Miguel	34
San Roque	0
Santa Rosa	22
Total	249

Source: MPDO, 2018

Inventory of Residential Subdivisions and Condominiums

There are nine (9) identified subdivisions in the municipality, four (5) of them are considered socialized housing. These are, Lynville Homes Alaminos, Newborn Village, Sitio Maligaya, La Trenchera de Felimon Masa and Bella Vita. A total of 2,067 dwelling units are available as part of the socialized housing in these subdivisions. Those who are identified as socioeconomically disadvantaged can avail these socialized housing units.

Table 69. Inventory of Residential Subdivisions in Alaminos, Laguna

Name	Location	Area (Ha)	Type of Unit	Saleable Lots	Developer
Villa Adelina XI	Brgy. San Agustin	6.5719	BP-220	312 lots	Fernando Realty Development Corp.
Nuestra Senora Del Pilar Village	Poblacion II	4.9215	BP-220	238 lots	Jaime A. Calderon Real Estate Developer

Name	Location	Area (Ha)	Type of Unit	Saleable Lots	Developer
Lynville Homes Alaminos	Brgy. San Agustin	1.7457	BP-220	150 units	Citihomes Realty Inc.
Villa Rosas I	Brgy. San Benito	5.790	BP-220	25 lots	RamirR.Saspa Construction Firm & Realty
Villa Rosas II	Brgy. San Roque	6.007	BP-220	27 lots	RamirR.Saspa Construction Firm & Realty
Newborn Village	Brgy. San Benito	11.208	CMP under Social Housing Financial Corp.	150 lots	NiloIlao and RetitaIlao
Sitio Maligaya	San Roque	1.17	CMP under Social Housing Financial Corp	185 lots	НОА
Bella Vita	San Andres	11.396	CMP under Social Housing Financial Corp.	1582 Units	Bella Vita Land Corp
La Trenchera de Felimon Masa	San Juan	2.4	Group Land Acquisition	320 lots	НОА

Source: MPDO, 2018

Resettlement Areas

There are no resettlement areas in the municipality, however, residents that are situated in hazard prone areas, as well as the informal settlements, need to be relocated.

Housing Facilities and Utilities

The availability of basic services such as water, electricity and sanitation facilities are measures of development since they determine the quality of life of households and communities. These facilities are provided and present in Alaminos.

Water levels 1, 2, and 3 are available in the municipality, while Manila Electric Company (MERALCO) is the main service provider of electricity. In 2015, there are 9,741 households served with water supply, ranging from level 1 to 2 type water. The remaining 12.67 percent households do not have water supply connections. In terms of electricity, in 2017, MERALCO reported that 94.69 percent of all households have electricity, the remaining 5.31 percent of households scattered all over the municipality still need electricity. No data is available to determine the number of water-sealed toilets in the municipality. Table 70 summarizes the number of household served with water and electricity in Alaminos.

Table 70. Housing facilities and utilities in Alaminos, Laguna

Utilities	Number of households					
Ounties	Served Percentage Unserved Percentage					
Water Supply	9,741	87.33	1,413	12.67		
Electricity	10,763	94.69	604	5.31		

Source: PSA, 2015, and MERALCO, 2017

Occupied Housing Units and Lots by Tenure Status

A total of 7,194 residents of Alaminos own their house and lots while residents who own their houses but not the lot (with owner's consent) is 2,260 households.

Those who belong to the categories *own house rent-free lot without consent of owner* and *rent-free house and lot without consent of owner* can be considered as informal settlers since they are occupying lots without the consent of its owner.

Table 71. Occupied Housing Units and Lots by Tenure Status in Alaminos, Laguna

Tenure Status of the Housing Unit and Lot	Number of Households
Own or owner like possession of house and lot	7,194
Rent house/room including lot	882
Own house rent lot	106
Own house rent-free lot with consent of owner	2,260
Own house rent-free lot without consent of owner	214
Rent-free house and lot with consent of owner	429
Rent-free house and lot without consent of owner	69
Not Applicable	-
Not Reported	-
Total	11, 154

Source: Philippine Statistics Authority, 2015

Current and Projected Housing Need

Table 72 shows the current and projected housing needs of Alaminos from 2019 to 2028. Using the computations in the HLURB guidelines, the following housing requirements were calculated. By 2023, there are 88 housing backlogs and by 2028, there will be no housing backlogs, provided that the municipality will meet the demand of its people.

Table 72. Current and Projected Housing Need

Housing	Present	Future Housing Needs					
Backlogs	Needs (2015)	2018	2020	2021	2022	2022	2027
Housing Backlog	292	205	176	146	117	88	0
Household Formation	-	652	878	1,108	1,342	1,581	2,846

Source: MPDO Computations, 2018, PSA, 2015

Social Welfare Services

Social Welfare Facilities and Services Offered

There are three (3) identified types of facilities in Alaminos: 1) Day Care Centers, each barangay has their own and are reported to have an acceptable and serviceable condition; 2) Senior Citizens Office which provide services such as Senior Citizen ID, purchase booklet for discounts, and financial assistance to persons over the age of 65; and 3) Differently Abled Persons (DAP) or Persons With Disabilities (PWD)office, which caters the social needs of DAP or PWD such as educational assistance, financial assistance, provision of DAP or PWD IDs, and psychosocial and intervention program. Both the senior citizens' office and DAP or PWD office are located in the municipal hall of Alaminos (refer to Table SO 25).

According to Republic Act No 6972 – Day Care Center Law, every barangay shall have a day care center. On the otherhand, Republic Act No. 7277 – Magna Carta for Disabled Persons and Republic Act No, 7432 – Senior Citizen Act require every municipality to have at least one (1) DAP or PWD office and Senior Citizen Center. Table 73 shows the number of

facilities in the municipality. Alaminos meets the minimum required number of day care, senior citizen and DAP or PWD facilities.

Table 73. Social Welfare Facilities and Condition of Alaminos, Laguna

Davances:		Facilities	
Barangay	Day Care	Senior Citizen	DAP
Urban			
Poblacion 1	1	0	0
Poblacion 2	1	0	0
Poblacion 3	1	1	1
Poblacion 4	1	0	0
San Benito	1	0	0
San Agustin	1	0	0
Rural			
Palma	2	0	0
Del Carmen	1	0	0
San Andres	1	0	0
San Gregorio	1	0	0
San Ildefonso	1	0	0
San Juan	1	0	0
San Miguel	1	0	0
San Roque	1	0	0
Santa Rosa	1	0	0
Total	16	1	1

Source: MSWDO, 2017

Historical Number of Population Served by Type of Service and Clientele System

The Department of Social Welfare and Development (DSWD) offers social welfare policies and programs provided to people who belong to the poor, the women's sector, the youth, differently-abled, elderly, and victims of natural and man-made calamities. Programs of the DSWD includes: PantawidPamilyang Pilipino Program (4Ps) which is the conditional cash transfer assistance, Kalahi-CIDSS which is a poverty alleviation program, they also offer sustainable livelihood program, adoption and foster care, *Listahan* which is a targeting system for poverty reduction, social pension, supplementary feeding program, gender and development, disaster response operations, and protective services program.

As a satellite office, the Municipal Social Welfare Development Office (MSWDO) extends the service of the DSWD to the municipality of Alaminos. Table 74 below shows that in 2017, a lot of social welfare services were provided. Most of these services are focused to the child and youth clientele. Services provided to the child and youth are related to nutrition: food supplement distribution, supplementary feeding program, and measurement activity for the pre-school children.

The increase in the number of social welfare projects can be attributed to the effort of the municipality to improve the health, and to provide educational assistance to the child and youth sector, additional services to women, educational, financial, and material assistance to DAP or PWD, and financial assistance to the elderly. However

Out of the 449 DAPs or PWDs in the municipality, only 352 are provided with DAP or PWD IDs. Those who have yet to have their DAP or PWD ID may not be able to avail discounts and perks stated in the Magna Carta of Disabled Persons. On the other hand, services for the Senior citizen include Burial and Financial Assistance, Senior Citizen IDs, and 1500 php

quarterly pension—this is the counterpart of the Social Pension program of DSWD, instead of giving the five hundred pesos (500 php) on a monthly basis, the MSWDO gives the stipend on a quarterly basis.

Table 74. Number of Population Served by Type of Service and Clientele System in

Alaminos Laguna

Services	Previ	ious Years
Services	2016	2017
Child & Youth Welfare		
Day Care Children Program	-	854
Supplementary Feeding Program	801	854
Educational Assistance for Children in Conflict with Law (CICL)	50	50
Protective Custody for CICL and Children at Risk (CAR)	10	14
Other Support Programs and Services for Pre-identified CICL	-	30
Food Supplement Distribution	-	2834
Programs and Service for the Malnourished Children	-	154
Measurement Activity for Pre-school Children	-	622 (Stunted); 144 (Wasted)
Book Allowance	-	82
Educational Assistance	-	100
Case Work Intervention for Children in Difficult		15
Circumstance in their families	-	13
Technical Assistance to OJT and Practicumers	-	10
Special Program for the Employment of Students (SPES)		100 Local SPES; 54 Provincial SPES
SPES Babies	-	48
Women Welfare		
R.A 9262 Intervention and Counselling Program	10	11
Cash, Food, and Learning Assistance for VAWC victims	-	10
Self-Employment Assistant – Kaunlaran (SEA-K)	-	2
Persons W/ Disabilities		T
Educational Assistance	-	74
Financial Assistance	-	26
Material Assistance	- 254	16
DAP IDs	254	98
Psychosocial and Intervention Program	-	100
Older Persons Welfare		
Financial Assistance	-	40
Burial Assistance	-	77
IDs, Purchase Slip Booklet for Medicines and Basic Commodities	-	843
Pension	560	420 (enrolled additional)
Family & Community Welfare		<u> </u>
Pre-marriage counselling Seminar	54	234
Single Parent	107	275
Pantawid Beneficiaries		744
Parent Effectiveness Service	-	1,015

Services	Previous Years		
Services	2016	2017	
Livelihood Program for OFW and their families	-	10	
Aid in Individual in Crisis Situation (AICS)	101	57	
Issuance of Social Case Study Report (SCSR)	-	2040	

Source: MSWDO, 2015

Protective Services

Protective services include securing the safety, peace and order in the municipality with the help of the police and the fire fighters.

Facilities and Equipment

Both the police station and fire station are located in barangay Poblacion 3, near the municipal hall. Only eight (8) out of the 15 barangays are able to provide an inventory of their equipment. These barangays include barangays San Juan, San Agustin, Del Carmen, Sta. Rosa, San Roque, San Benito, San Miguel, and Palma. Each barangay's protective service is categorized into traffic, peace and order, disaster/emergency, and auxiliary services (refer to Table 75).

Table 75. Protective Services Equipment/Facilities and its Condition

Barangay	Type of Services	Number of Volunteer/Staff	Facilities/Equipment	Physical Condition of Facilities/Equipment
	Traffic	10	2 way radio (10) Flashlights, Raincoat, Rubber boots, Uniform	Good Condition
San Juan	Peace and Order	15	Rescue Vehicle,/2 way radio (13) Flashlights, Rain Coat, Rubber boots, Uniform, Stretcher, Fire Extinguisher, Spine board	Good Condition
	Disaster	20	Rescue vehicle,/2 way radio (18) Flashlights, Rain Coat, Rubber boots, Uniform, Stretcher, Fire Extinguisher, Spine board	Good Condition
	Traffic	20	Uniform,2-way radio, whistle, Hand held sign	Needs replacement, Needs repairs, insufficient
San Agustin	Peace and Order	20	Uniform, 2-way Radio, Barangay Patrol/ Tricycle, Motorcycle, Flashlight, Melee Club (batuta), Raincoats, Rubber Boots, CCTV Camera	Needs replacement, Additional, Lacking
	Emergency	20	Ambulance, Uniform,	Lacking, Absent or

Barangay	Type of Services	Number of Volunteer/Staff	Facilities/Equipment	Physical Condition of Facilities/Equipment
			2-way Radio, Barangay Patrol/ Tricycle, Flashlight, Melee Club (batuta), Raincoats, rubber boots, Emergency response equipment (stretcher, Neck Braces)	none, needs repair/maintenance, brand new
	Traffic	5	2-Way radio, uniform	Lacking Absent in some Barangay
Del	Peace and Order	21	Flashlight, 2way radio, Uniform& CCTV CAMERA	Lacking Absent in some Barangay, need replacement
Carmen	Disaster	5	Emergency response equipment(stretcher, Neck braces, Etc.), Uniform &2 way radio	Lacking Absent in some barangay, needs repair/ maintenance
	Peace and Order	15	(15) Uniforms(pants, polo shirt vest) (8) 2 way radio (1) Brgy. Patrol/ (1) Tricycle 1 Melee clup (batuta) (15) Rain coats (4) CCTV cameras	Lacking, needs repair (13) Needs repair/ in good condition Lacking In good condition Lacking, 4 in good condition
Sta. Rosa	Disaster	28	(1) Ambulance (15) Uniforms (pants polo shirt, vest (8) 2 way radio (1) Brgy. Patrol/ 1 tricycle (1) melee clup (batuta) (28) Rain coat (1) Stretcher, (2) Chainsaw, (1) Fire extinguisher (1) Ladder	Needs repair/ replacement, Lacking, Lacking, needs repair (13) Needs repair/ In good condition Lacking In good condition In
	Auxiliary	28	(1) Ambulance (28) Uniforms (8) 2 way radio (1) Brgy. Patrol/ 1 tricycle (1) Melee clup (28) Rain coats (1) Stretcher (2) Chain saw (1) Fire extinguisher (1) Ladder	Needs repair/ replacement, Lacking, Lacking, needs repair (13) Needs repair/ In good condition Lacking In good condition In
San Roque	Traffic	10	Uniform, 2 way radio (10) Good Condition (4), Barangay Patrol, Flashlight, Rubber boots, Melee Clup	Need of brand new 2 way radio, others is in good condition

Barangay	Type of Services	Number of Volunteer/Staff	Facilities/Equipment	Physical Condition of Facilities/Equipment
			(batuta)	
	Peace and Order	15	Uniform, 2 way radio (10) Good Condition (4), Barangay Patrol, Flashlight, Rubber boots, Melee Clup(batuta), Fire extinguisher	Need of brand new 2 way radio, others is in good condition
	Disaster	24	2 way radio, Ambulance, Barangay patrol, Flashlight, Rubber boots, Rain coat, Melee clup (batuta), Fire extinguisher, Emergency response Equipment, Megaphone	Need of brand new 2 way radio, others is in good condition
	Traffic	17	Uniforms, 11 Units 2 way handheld radios, 1 unit base radio, Traffic barriers	Good
	Peace and Order	17	uniforms, 11 Units 2 way handheld radios, 1 unit base radio, 1 unit barangay patrol tricycle/1 unit multicab/1 unit rescue, flashlight, rain coats rain boots	Good Serviceable
San Benito	Disaster	17	Uniforms, 11 units 2 way handheld radios, 1 unit base radio, 1 unit barangay patrol tricycle/1 unit multicab/ 1 unit rescue, flashlight, rain coats rain boots, stretcher, 2 units power saw	Good Serviceable
	Auxiliary Services	17	Uniform, 11 units 2 way handheld radio, 1 unit base radio, 1 unit rescue vehicle, Barangay patrol, tricycle, Flashlight, rain coats, rain boots, stretcher, 2 units power saw	Good Serviceable
	Traffic	13	Uniform, 15 unit of 2-way radio, whistle	All Equipment are in good condition excepting 9 units of 2-way radio needs

Barangay	Type of Services	Number of Volunteer/Staff	Facilities/Equipment	Physical Condition of Facilities/Equipment	
				repairs	
San Miguel	Peace and order	17	Barangay Patrol, CCTV Cameras(12 Cameras in different location in the vicinity of barangay, 15 unit of 2-way radio, uniform, flashlight, melee club(batuta)	all equipment are in good condition 9 units of 2-way radio needs repairs	
	Disaster	30	public Address (4), ambulance, Barangay Patrol, Emergency response equipment (stretcher, first aid kit), 15 unit of 2 way radio, Flashlight, Raincoat & Rubber boots, Mini-power saw, rope, Ladder	All Equipment are in good condition excepting 9 units of 2-way radio needs repairs	
	Traffic	19	2-way radio, uniform, whistle, vest, melee clup (batuta)	Lacking needs replacement	
Palma	Peace and order	19	Flashlight, uniform,2- way radio, caps, Melee clup(batuta), raincoats, service vehicle	Lacking, absent in some barangay	
	Disaster	19	uniform, raincoat. Rubber boots, fire, extinguisher, 2-way radio, flashlight, mini- power saw, service vehicle, tools & Equipment for emergency response (first aid kit, spine board, Gauge and blood Pressure kit, tank of oxygen)	Lacking, maintenance, brand new absent in some barangay	
	Auxiliary	19	2-way radio, uniform, Vest, Melee Clup(Batuta)	Lacking, needs in barangay	

Source: MPDO, 2018

Barangay Security Force and Volunteers by Type of Service

All barangays of Alaminos have its own barangay hall which serves as office for barangay tanods and where residents could file complaints and assistance for peace and order. Table 76 shows the physical conditions and building areas of barangay halls in Alaminos.

Table 76. Lot Area, Building Area, and Physical Condition of Barangay Halls

Barangay	Lot Area (m²)	Building Area (m²)	Physical Condition		
Palma	56.00	46.00	Fair		
Del Carmen	80.00	25.00	Fair		
Poblacion 1	78.40	119.80	Fair		
Poblacion 2	399.00	13.00	Fair		
Poblacion 3	130.00	96.30	Fair		
Poblacion 4	81.00	63.36	Fair		
San Andres	49.00	147.00	Fair		
San Agustin	117.00	110.00	Fair		
San Benito	108.00	75.00	Fair		
San Ildefonso	100.00	49.00	Fair		
San Juan	150.00	340.00	Fair		
San Gregorio	74.00	100.00	Fair		
San Miguel	338.20	146.00	Fair		
San Roque	151.00	83.60	Fair		
Sta. Rosa	212.160	198.00	Fair		

Source: MPDO and GIS Computed, 2012

Fire Incidence

There are 12 fire incidences and (5) five of which happened in barangay San Benito. The cause of the fire incidence in barangays Poblacion 3 and San Agustin is electrical combustions while other incidences have no record regarding the cause.

Table 77 shows the summary of the fire incidences that happened in the municipality in the past five years.

Table 77. Fire Incidence in the Last Five Years

Barangay	Causes/Origin	2013	2014	2015	2016	2017
Poblacion 1	-	-	ı	ı	ı	1
Poblacion 2	-	-	ı	ı	1	ı
Poblacion 3	Electrical Combustion	1	ı	1	ı	ı
San Agustin	Electrical Combustion	-	1	1	1	1
San Andres	-	-	-	ı	-	1
San Benito	-	-	1	1	ı	3
San Gregorio	-	-	-	1	-	-
Total Number of Responses for each year			2	3	1	5

Source: BFP Alaminos, 2017

Crime Incidence by Type of Crime and Frequency of Occurrence

A crime is defined as an act committed or omitted in violation of a law forbidding or commanding it and for which a punishment is imposed upon conviction. Index crimes, as defined by the Philippine National Police (PNP), involve crimes against persons such as murder, homicide, physical injury and rape, and crimes against property such as robbery, theft, carnapping/carjacking and cattle rustling. Non-index crimes, on the other hand, are violations of special laws such as illegal logging or local ordinances.

Among the crimes that happened in the municipality, it can be noted that the most frequent crime was under traffic incidents, specifically under reckless imprudence resulting (RIR) to damage to property with 144 cases in 2016 and 101 cases in 2017, with only 11 cases, which

were solved. It can be observed that, in both years, there is a low number of cases solved as compared to the reported cases except for direct assault and crimes under the Comprehensive Dangerous Drug Act which shows that all reported cases were solved.

Table 78 shows the crimes that are committed in the municipality of Alaminos and its frequency in the last two years.

Table 78. Crime Incidence by Type of Crime and Frequency of Occurrence

	78. Crime Incidence by Type of Crime and Frequency of Occurrence 2016 2017					
Type of Crime	Total	Cases Solved	Total	Cases Solved		
Against Persons	23	10	23	8		
Murder	5	2	10	2		
Parricide	0	0	0	0		
Infanticide	0	0	0	0		
Murder (Plain)	5	2	10	2		
Homicide	4	1	1	0		
Physical Injury	12	6	5	3		
Frustrated/Attempted Murder	1	1	2	1		
Frustrated/Attempted Homicide	2	0	1	1		
Physical Injury (Plain)	9	5	2	1		
Rape	2	1	7	3		
Against Property	13	4	6	4		
Robbery	3	1	0	0		
Theft	6	3	4	3		
Carnapping MV	0	0	1	1		
Carnapping MC	4	0	1	0		
Cattle Rusting	0	0	0	0		
Non-Index Crime	13	3	5	3		
Acts Of Lasciviousness	1	0	2	0		
Direct Assault	1	1	2	2		
Estafa	3	0	0	0		
Grave Threats	3	1	0	0		
Malicious Mischief	3	1	0	0		
Other Form of Trespass	1	0	1	1		
Slander (Oral Defamation)	1	0	0	0		
Traffic Incidents	197	1	137	16		
RIR Homicide	3	0	6	2		
RIR Physical Injury	50	1	30	3		
RIR Damage To Property	144	0	101	11		
Special Laws	49	49	43	38		
Comprehensive Dangerous Drug						
Act Of 2002 (R.A. 9165)	45	45	19	19		
Comprehensive Law on Firearms	-	-	-	-		
And Ammunition (R.A. 10591)	3	3	8	7		
Violation Of R.A. 9287	1	1	10	10		
Anti-Violence Against Women &			-	-		
Children (9262)	nd	nd	3	0		
Child Abuse Act (7610)	nd	nd	1	0		
Violation of RA 4136 (Land						
Transportation and Traffic Code)	nd	nd	2	2		

	20	16	2017	
Type of Crime	Total	Cases Solved	Total	Cases Solved
Total	295	67	214	69

Source: PNP Alaminos, 2017

Current and Projected Requirement for Protective Personnel

The standard ratio for police force to population is 1:1300. Currently, Alaminos current have 37 policemen, this shows that the police to population is 1:1369. The police force needs to add two (2) more policemen in order to comply to the minimum standard and by 2027, the municipality needs to reach at least 46 police personnel in order to ensure a safer and more peaceful municipality.

The police station of Alaminos, which is located in barangay Poblacion 3, has a lot area of 246.5 square meters. The municipal jail should at least be able to accommodate 250 inmates and below.

As for the fire force, the municipality currently have 13 personnel making the fire force ratio 1:3897. This is below the minimum standard set in the HLURB guidelines fire force to population ratio of 1:2000 which means that there should be an additional of at least an additional of 12 more fire personnel in the municipality to comply with HLURB's standard in 2018 and by 2027, a total of 30 fire personnel are needed.

Table 79. Current and Projected Requirement for Protective Personnel and Facilities

Туре	Existing	Projected Population and Required No. Of Personne						
V 2	No.	2017	2018	2019	2020	2021	2027	
Population	-	49,714	50,664	51,633	52,620	53,626	60,080	
Police Force	37	38	39	40	41	41	46	
Police Station		0.04 he	0.04 hectare (additional space requirement to existing station)					
Fire Force	13	25	25	26	26	27	30	
Jail Personnel	2	-						
Jail/Prison	0			0.5 h	ectare			

Source: Philippines Statistics Authority, 2015; PNP Alaminos and BFP Alaminos 2018

Sports and Recreation

Existing Sports and Recreational Facilities

Sports and recreation develop the psychosocial and physical aspect of an individual. Alaminos has very limited sports and recreational facility. As basketball is the most popular type of sports, the multipurpose covered courts in the municipality are designed to cater this sport. All barangays in the municipality have their own multipurpose covered courts, which are frequently used, as a venue for barangay events and activities.

Table 80. Sports and Recreational Facility and Condition

Barangay	Type of Facility	Physical Condition	Used as Evacuation
		of Facility	Center

Poblacion 1	Multipurpose Covered Court	Good	No
Poblacion 2	Multipurpose Covered Court, Tennis Court	Good	No
Poblacion 3	Multipurpose Covered Court	Good	No
Poblacion 4	Multipurpose Covered Court	Good	No
Del Carmen	Multipurpose Covered Court	Good	No
Palma	Multipurpose Covered Court	Good	No
San Agustin	Multipurpose Covered Court	Good	No
San Andres	Multipurpose Covered Court	Good	No
San Benito	Multipurpose Covered Court	Good	Yes
San Gregorio	Multipurpose Covered Court	Good	No
San Ildefonso	Multipurpose Covered Court	Good	No
San Juan	Multipurpose Covered Court	Good	No
San Miguel	Multipurpose Covered Court	Good	No
San Roque	Multipurpose Covered Court	Good	No
Sta. Rosa	Multipurpose Covered Court	Good	No

Source: MEO, 2018

C. Population and Social Sector Problem Solution Matrix

The table below shows the the problem solution matrix for the social sector of the municipality of Alaminos. Map 27 shows the location of basic service and critical facilities of Alaminos.

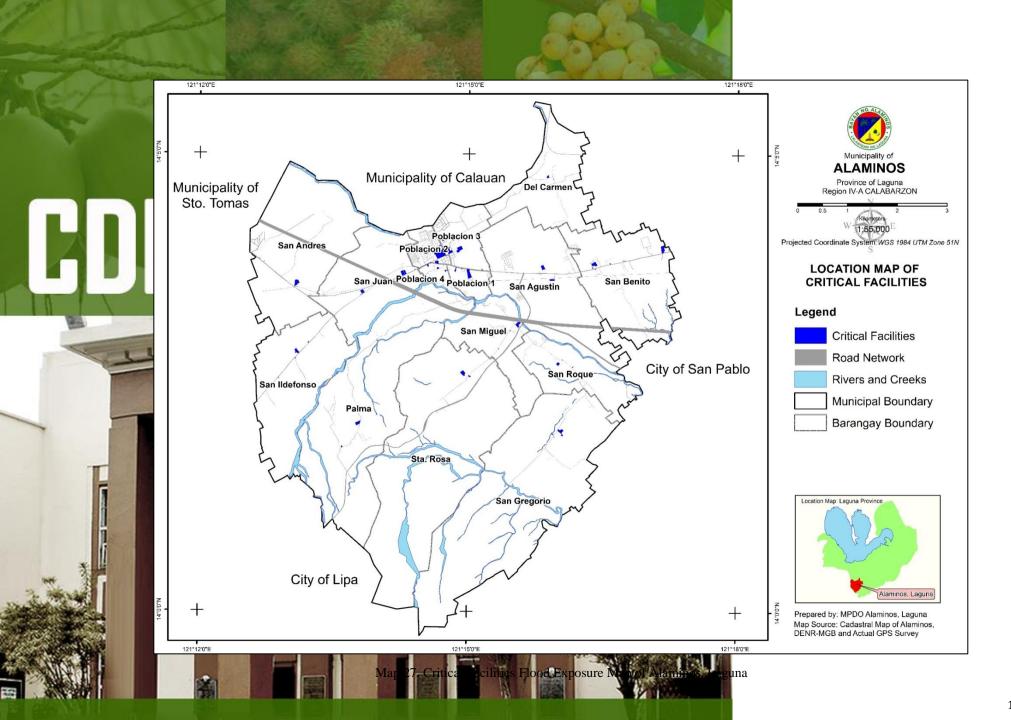
Table 81. Population and Social Sector Problem-Solution Matrix of Alaminos, Laguna

Issues	Explanation	Implications when unresolved	Policy Options/ Intervention
Education		unicsorveu	inter vention
Insufficient classroom facilities	Some schools hold classes in the school's covered court to compensate for the inadequate number of classrooms	Conducting classes outside a classroom may cause students to become distracted due to noise/excessive noise, affecting their performance and learning, overcrowded classroom decreases student's engagement and learning	Provision of additional buildings and classrooms
Student-teacher and student- classroom ratio is below the standard set	The growing number of students will most likely lead to insufficient classrooms and teachers in the future if problem is not addressed	Overcrowded classrooms decrease student's engagement and learning, exhausting for teachers	Provide additional classrooms and employ additional teachers
Lack of health facilities in schools	Most public schools does not have an existing school clinic	Decreases access of students to basic health care and support especially for families who cannot afford	Coordinate with schools; requirement of a clinic in schools
Poor conditions of school buildings	Some public school buildings needs to be	May negatively affect students' performance	Annual inspection of buildings especially

Issues	Explanation	Implications when unresolved	Policy Options/ Intervention
	demolished or to have major/minor repairs	and learning, increases vulnerability during disaster (e.g. ground shaking)	those in need to be repaired or demolished
Increase in high school enrolees	Data shows that there is an increase in the total number of high school enrolees especially in public high schools	Lack of classrooms that will accommodate the additional enrolees	Provide additional classrooms and employ additional teachers for public high schools
Health and sanitati			
Increasing prevalence of acute upper respiratory infection	There is a consistent increase of reported cases of acute upper respiratory infection	Affects the development of human capital in the municipality	- Coordinate with Municipal Health Center to identify causes of AURI and how it can be reduced - Provision of health equipment and facilities
Prevalence of second-degree malnourished children	Some children are either too heavy or too light for their age	Affects the development of human capital in the municipality, affects the children's performance, learning and health	 - Provision of affordable health care to marginalized locals - Programs to combat malnutrition
Some health units are not functional	There is a lack of health personnel in some barangay health units	Additional cost for families who need to go to another health unit, decreases access to basic health care	Employ health workers and barangay nutrition scholars who can operate said barangay health units
Cemetery easements are not implemented	Cemeteries are near to residential areas	Poses threat to health-related issues	Monitor existing cemeteries and implement proper easements for cemeteries to avoid health risks
Flooded cemetery	Some areas in Roloma Memorial Garden and Alaminos Memorial Garden are flooded when there is a heavy rain which may be due to improper drainage system	Delays burials, poses threat to health-related issues (unsanitary), damages properties (coffins)	Improve drainage system in cemeteries
Protective Services	TEL	Y 4.4	D 11
Slow response of protective service providers	There is an insufficient number of fire fighters and police and this adversely affects the	Increases casualties and damage of properties	Provide more training to personnelAcquisition of new equipment needed

Issues	Explanation	Implications when unresolved	Policy Options/ Intervention
	delivery of their services		
Fire fighters to population ratio and police to population ratio are below the standard set	The standard for police to pop'n is 1:1300 while fire fighters to pop'n 1:200, there is a need of 1 additional police and 11 more of the fire fighters	Slow response	Employ additional fire fighters and police
Poor implementation of local anticriminality plan	High incidence of certain crimes such as reckless imprudence resulting to damage to property	Decreases safety and security of community	Review and enforce the strategies of the local anti-criminality plan
Lack of fire hydrants	There are certain areas in Poblacion that needs fire hydrants but due to	No additional support to aide fire fighters	- Identify areas which needs fire hydrants - Acquisition of new
C			equipment needed
Social Welfare Inadequate social	Most stanistimes and not	Limited accessibility	Identify and mayide
welfare facilities	Most structures are not DAP-friendly or senior citizen friendly which reduces the accessibility of DAPs and senior citizens to avail social services	of services	Identify and provide social welfare facilities that are urgently needed
Poverty Incidence	The province of Laguna has an estimated 0.8% poverty incidence rate in 2015	Compromised living condition of locals	- Provision of indigent support fund - Participate in DSWD program - Conditional Cash Transfer (CCT)
Sports and Recreate			
Absence of parks and open spaces	No available land to create parks and open spaces	Do not promote healthy lifestyle and wellbeing, negatively affects health, population are not encouraged to have more physical activities and more social interactions	Allocate areas that could be a park or a playground
Housing			
Presence of informal settlements	Some in-migrants settle illegally because they could not afford to rent or the socialized housing	Limited access to social services, increases vulnerability specially during disasters	Socialized housing
Presence of houses made of	Some residents especially the informal	Light materials are easily burned	Provision of financial assistance for home

Issues	Explanation	Implications when unresolved	Policy Options/ Intervention
light materials	settlers cannot afford to buy house building materials that are sturdy	therefore, fire is spread faster	improvement
No shelter plan and absence of local housing policy and housing board in Alaminos	Absence of local housing policy and housing board in Alaminos	Difficulty in implementing systematic programs, standards and other laws related to housing	Formulate a committee to create a Local Shelter Plan to identify housing needs of the municipality
Data Management			
Lack of data management system	There is no centralized data base which causes data loss/unavailability	Lack of data management system affects the productivity and efficiency of employees, accuracy and credibility of data, and difficulty in analysing and interpreting conditions for planners, investors and decision makers	Allocate an office or designate a person to manage and store data and information in the municipal hall; require all personnel to have a backup data



ONOM

ultural Crops

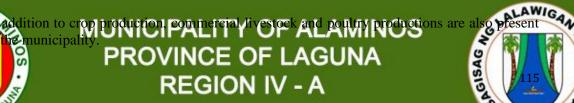
The agriculture sector of Alaminos mainly focuses on fruit bearing trees. Fruit bearing trees are trees that bear fruits in season. Fruiting season varies into months, length of day time and amount of sunlight absorbed. Fruit bearing trees in the municipality include mango, avocado, lanzones and rambutan, which are only available on a certain month in a year. Its dominant crops are mainly lanzones, rambutan, papaya, banana, pineapple and coconut. Rambutan is available from July to September while lanzones is available from September to October. Pineapple is present from April to May and December to January. In addition, coconut and banana are present throughout the year.

Listed in the Table 82 are the major agricultural crops per barangay and the area occupied. Durian, avocado and sampl trees are also present in the municipality. It can be noted that the total agricultural land and the total area in the not similar, this is because lapped with each crop diver crops or other.

Table 52. Alea o	i misting ivi	Area (Ha)							
Barangay	Lanzones	Rambutan	Papaya	Banana	Pineapple	Coconut			
Poblacion 1	12.8	1.5	1	5	0.5	20			
Poblacion 2	6.5	0.0	0.5	~ 6 ·	0.1	0			
Poblacion 3	11	15.9	0	8.6	0.5	1566			
Poblacion 4	5	1 1	0 -	1-2	15	0.0			
Del Carmen	37.25	8.2	0.5	6/2	24	257			
Palma	56.5	2.6	3.5	85	18/	500			
San Agustin	59.75	7.9	1.4	12	0	4700			
San Andres	41	21.7	0.57	8.2	0	165			
San Benito	40.8	7.95	2.3	11	0	526			
San Gregorio	62.31	3.8	0.4	9.2	0	840.6			
San Ildefonso	57.7	30.5	1.17	10.5	0	350			
San Miguel	14.2	5.55	3.7	6.8	0	185			
San Juan	22.6	10.57	4.39	7.2_	0	86			
San Roque	30.52	6.5	0.5	7.6	A 0	229			
Sta. Rosa	7.1	9.87	0.3	7.9		589			
Total	465.03	133.54	20.23	193.20	64.10	4,232.60			

Source: MAO, 2018

In terms of area per crop, barangay San Gregorio has the highest land area for lanzones and coconut production. Barangay Ildefonso is the leading rambutan producer while San Juan, Palma, and Del Carmen lead the production i , banana and pineapple.





Poultry

There are 21 existing poultry farms in the municipality of Alaminos. Five (5) poultry farms located mostly in barangay Palma. Other poultry farms are located in barangays Poblacion 2, San Roque, Sta. Rosa, San Andres, Poblacion 3, Del Carmen and San Agustin. Most of these poultry farms are growing broiler chickens for meat production. Poultry products are being exported outside Alaminos and being delivered in the neighboring provinces. Other poultry farms are raising layer chickens that are for chick production.

Livestock

There are two (2) piggery farms located in barangays Palma and Sta. Rosa. The produce of these farms are marketed to San Pablo City and to the towns of Batangas. There is also an existing piggery farm raising breeder and fattener swine. Goat farm is also present in the municipality, located in barangay Poblacion 2 which is mainly for milk production.

Table 83. Existing Livestock and Poultry Farms of Alaminos, Laguna

Owner's Name	Name of Farm	Barangay	Type
Livestock production			• • • • • • • • • • • • • • • • • • • •
Artemus C. Almeda	Alaminos Goat Farm	San Juan	Dairy Farm
RollenGallivo		Sta. Rosa	Piggery
Poultry Farm			
Bernard	Damand Duldrana Farm	Dolmo	Daviltura Faura
DykhengFaylona	Bernard Dykheng Farm	Palma	Poultry Farm
Maricel Silva		Palma	Poultry Farm
Gerry Faylona		Palma	Poultry Farm
Erwin Bonifacio B.	E. Agra Poultry Farms	Palma	Poultry Farm
Agra	E. Agra Founty Famils	Faiilla	Poultry Failii
Virgilio F. Monzones	Marshall Farm	San Roque	Poultry Farm
Natividad A. Gallivo	Acel and Joy Farm	San Roque	Poultry Farm
Natividad A.Gallivo	Poultry Farm	San Miguel	Poultry Farm
Ana Gerlie B. Belen	Joshua & Jhayden Poultry	San Miguel	Poultry Farm
A d D M	Supply		
Arthur P. Magno	APM Poultry Farms	San Miguel	Poultry Farm
Moises Belen, Jr.	Justin &Jhayden Poultry Farm	San Miguel	Poultry Farm
Joselito Cubillejo	Lito Poultry Farm	Sta. Rosa	Poultry Farm
Meynardo F. Monzones	M.F.M. Poultry Farm	San Andres	Poultry Farm
Ramon C. Sarmiento	Monsa Poultry Farm	San Andres	Poultry Farm
Virgilio F. Monzones	Virm Poultry Farm	San Andres	Poultry Farm
Conrado Masa		San Andres	Poultry Farm
Nelson Faylona	Rizal Poultry Farm	Poblacion 1	Poultry Farm
Ricardo B.Talento	Bettina Farms, Inc.	San Agustin	Poultry Farm/ Hatchery
Neil S. Macasaet	Macasaet Poultry Farm	San Gregorio	Poultry Farm
Marco D. Bondad	Marco Bondad Farm	Del Carmen	Poultry Farm
Wilfredo Monzones		San Juan	Poultry Farm
Poultry and Livestock F	Farm		
Mirazon K. Maranan	MNAD Farm	Palma	Poultry Farm
IVIII azon K. Iviai anan	WINAD FAIII	r aiilla	Piggery Farm

Source: MAO & BLPO 2018

In terms of major producers of livestock and poultry products, barangay Sta. Rosa has the highest production area for livestock with 45,000 square meters while barangay San Juan has the highest land area of poultry production having 30,000 square meters, followed by barangay San Roque with 23,000 square meters. Table 84 shows the major livestock and poultry producers in the municipality.

Among the urban barangays, barangay Poblacion 1 is the only with a farm, totaling to 6,000 square meters for poultry production.

Table 84. Major Livestock and Poultry Producers in Alaminos, Laguna

Table 64. Major	Livestock and	1 Outury 1	r ioduceis i	n Alaminos, Lagui	iia		
Owner's Name	Barangay	ngov Tyno	Area (m²) Classificatio	Classification	Volume of Production (MT)		Valu e
	Darangay	Type		Classification	Swine	Poultry	(M)
Livestock Produ	ucers						
Art Almeda	San Juan	G	40,000	Dairy	nd	nd	nd
RollenGallivo	Sta. Rosa	Pi	45,000	Breeder/ Fattener	nd	18	1.76
MirazonMara nan	Palma	Pi	20,000	Fattener	nd	60	6, 900
Poultry Producers							
Nelson Faylona	Pob. 1	Po	6,000	Broiler	nd	24	2.4
Maricel Silva	Palma	Po	5,000	Broiler	nd	90	9
Gerry Faylona	Palma	Po	12,000	Broiler	nd	360	36
Sergio Agra	Palma	Po	8,000	Broiler	nd	120	12
Virgilio Monzones	San Roque	Po	23,000	Breeder	nd	40	nd
Marco Bondad	Del Carmen	Po	1,500	Broiler	nd	90	9
Niel Macasaet	San Gregorio	Po	5,000	Layer	nd	3,280	13.12
Tony Gallivo	San Roque	Po	nd	Broiler	nd	24	24
Wilfredo Monzones	San Juan	Po	38,000	Broiler	nd	90	9
Virgilio Monzones	San Andres	Po	17,000	Pullets	nd	60	6
Maynard Monzones	San Andres	Po	30,000	nd	nd	nd	6
Ramon Sarmiento	San Andres	Po	20,000	Breeder	nd	nd	10
Conrado Masa	San Andres	Po	25,000	Broiler	nd	90	9
LitoCabillejo	Sta. Rosa	Po	15,000	Layer	nd	10.9	2.19

Source: MAO, 2018

Legend: G – Goat, Pi – Piggery, Po -Poultry

Farm Animal Population

Alaminos has a total number of 8,190 animal farm population. Fifty-nine percent of the total population is comprised by gamefowls, which are roosters reared for fighting. Others include horses, carabaos, cattle, goats, boars, sows and fatteners. Carabaos in the municipality are commonly and usually used as draft animals. Draft animals are any domesticated animals used in the farm for works such as plowing and harrowing the soil and in pulling heavy like transporting agricultural goods or harvests. Table 85 shows animal farm population in Alaminos in 2018.

Table 85. Animal Population of Alaminos, Laguna

Barangay	Horse	Carabao	Cattle	Goat	Boar	Sow	Fattener	Gamefowl
Poblacion 1	1	3	19	23	0	0	15	410
Poblacion 2	3	2	24	48	0	6	45	440
Poblacion 3	2	2	36	41	0	2	60	380
Poblacion 4	0	0	2	15	0	1	15	320
Del Carmen	1	7	19	23	0	0	15	410
Palma	72	7	145	96	1	90	140	620
San Agustin	28	9	101	60	0	6	42	139
San Andres	51	28	304	25	16	9	4	550
San Benito	30	27	124	61	0	3	24	84
San Gregorio	56	12	81	57	0	0	39	64
San Ildefonso	24	37	177	31	9	17	74	450
San Juan	2	1	53	5	0	13	19	480
San Miguel	18	5	68	21	0	28	66	151
San Roque	35	3	99	65	0	3	42	0
Sta. Rosa	37	18	126	30	2	4	45	337
Total	360	161	1378	601	28	182	645	4835
Grand Total	8,190		•					

Source: MAO, 2018

Existing Fishing Grounds and Aquaculture Production

There are three (3) existing fishing grounds in Alaminos located in barangay San Benito. These fish ponds that are not for commercial use. The fishes that are caught are naturally present in the ponds.

Existing Agricultural Support and Equipment

There are existing agricultural support facilities given by the local government. These include power sprayers, hand tractor, and shredder machines. All equipmentare operational. Power sprayer is used in applying insecticides, pesticides and fertilizer to agricultural crops. On the other hand, hand tractor is used in preparing the land for planting specifically for plowing; it breaks the soil into clods making it easier in transplanting or sowing seed in the soil. Shredder machine is used in shredding agricultural waste or by products into smaller pieces, through this, agricultural waste will be decomposed easily at be used as fertilizer and into other uses.

Table 86. Existing Agricultural Support and Equipment of Alaminos, Laguna

Equipment	Location	Number	Type	Remarks
Power Sprayer	Poblacion 1, Poblacion 2, Poblacion 3, Poblacion 4, Palma, San Juan, San Andres, Sta. Rosa, San Miguel, San Ildefonso	11	nd	Operational
Hand Tractor	Poblacion 1, Palma, San	8	Mini	Operational

Equipment	Location	Number	Type	Remarks
	Juan, San Miguel, San		Tiller,	
	Ildefonso, San Benito,		Hand	
	San Agustin, San Roque		Tractor	
			Viking,	
			Minifarm	
			Tractor	
Shredder Machine	Poblacion 2, Poblacion 3, Palma, San Juan, San Andres, Sta. Rosa, San Miguel, San Ildefonso, San Roque, Del Carmen	10	nd	Operational

Source: MAO, 2018

Agricultural Occupations/Groups in Urban and Rural Areas

There are 714 farmers/agriculture-related workers in the municipality. Almost 50 percent (49.58%) of these workers are working in livestock industries, followed by lanzones farmers with 28.85 percent. The least agricultural occupation group are poultry farmers with only 10 workers (refer to Table 87).

Table 87. Agricultural Occupations/Groups of Alaminos, Laguna

Major and Minor Occupation Groups	Total
Vegetable farmers	53
Farmworkers	91
Lanzones farmer	206
Livestock producers/workers	354
Poultry farmers	10
Total	714

Source: MAO, 2018

Strategic Agriculture and Fisheries Development Zones

The strategic agriculture and fisheries development zones (SAFDZs) refer to the areas within the network of areas for agricultural and agri-industrial development (NPAAAD) identified for production, agri-processing, marketing activities to help develop and modernize, either the support of government, the agriculture and fisheries sectors in an environmentally and sociocultural sound manner (refer to Map 28).

The largest portion based on the SAFDZ classification is agri-industrial lands with 64.66 percent of the total land area of the municipality. This implies that 3,456.46 hectares of land is suitable for agri-industrial use. While 35.44 percent is not intended for agricultural use.

Table 88 shows the SAFDZ categories and area in hectares of the municipality, however, the data used for this analysis needs to be updated.

Table 88. Strategic Agriculture and Fisheries Development Zones of Alaminos, Laguna

SAFDZ Category	Description	Area	Percentage to total land area
Alluvial Lands	Land formerly deposited by streams and subject to frequent flooding	2.51	0.05
Gently Sloping Lands	Land with 3-8 percent slope	0.65	0.10
Erodible Lands	Land susceptible to erosion	782.25	14.65

Non-Agricultural Use	Land not intended for agricultural use	1,103.37	20.64
Agri-Industrial Lands	Land suitable for agri-industrial use	3,456.46	64.66

Source: MPDO GIS Computation 2017

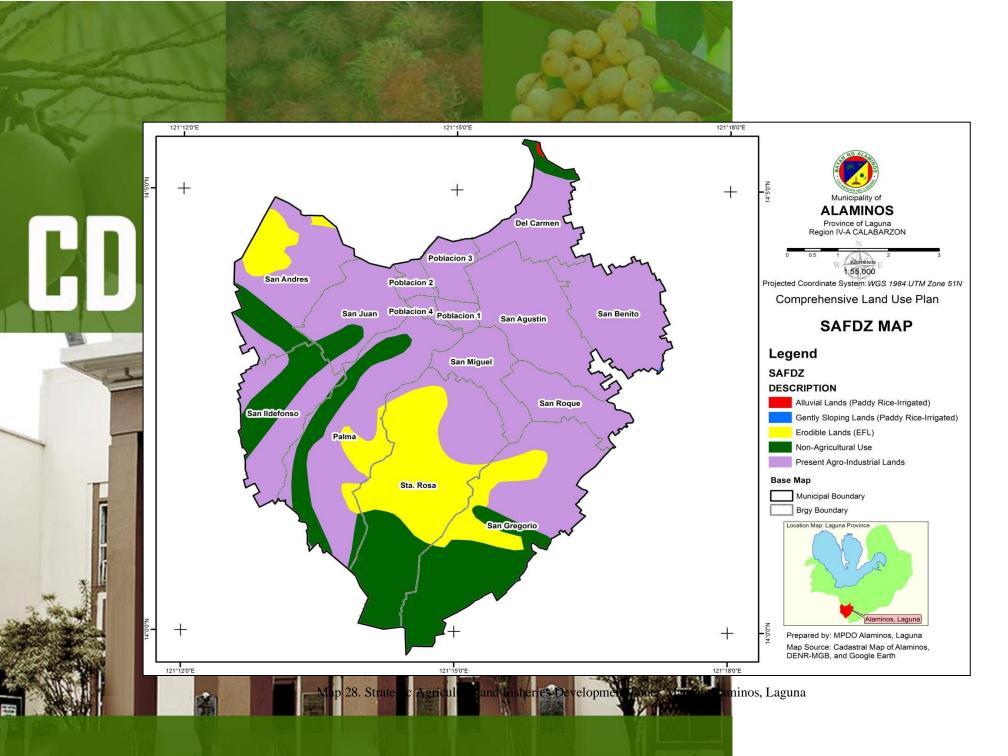
Agriculture Related Projects

Presented in the Table 89 are the existing projects of the municipality for the agriculture sector. More projects should include farm to market roads, hazard (flood) resistant crop use, improved equipment and establishment of training facilities and centers to improve the farmers' skills and, ultimately their production.

Table 89. Agriculture Related Projects of Alaminos, Laguna

Project	Location	
Promotions of improved quality crops		
Distribution of quality vegetable seeds	Municipal wide	
Purchase of fruit trees	Municipal wide	
Distribution of farm implements	Municipal wide	
Training of farmers and personnel	Municipal wide	
Promotion of organic agriculture		
Farmer's field school	Municipal wide	
Organic fertilizer production	Municipal wide	
Promotion and Dissemination of improved technology is	n animal health	
Anti-rabies vaccination	Municipal wide	
Anti-hog cholera vaccination	Municipal wide	
Deworming	Municipal wide	
Production support services		

Source: MAO, 2018



Forestlands in Alaminos are located in barangays Palma, Sta. Rosa, and San Gregorio. The forest area in Alaminos has a total area of 894.38 hectares comprising 16.71 percent of the total land area. This area is not used for forest production (timber), rather, the area is a locally proclaimed protection area based on the previous comprehensive land use plan and zoning ordinance of the municipality

There is no documented volume of production by forest concessionaries however there are observed illegal logging and charcoal making activities in some parts of barangay San Gregorio.

BAYAN AANG BA

There a ity. Comm in Alamii concentrated in the u n areas. here 1 nts are lo gay Poblacion 3. Meanwhile, barang: an Gregorio ha nine business establishments establish y economic acti lishments y, mostly on manufacturing, are prii Annex BY mmercial establishment nd 37 rtiary in na

These includes wholesale and retail trade, repair of mot storage and communication, financial intermediation, real administration, education, health and social work, other c ervice activities and private household with employed per

Table 90 s<mark>ummarizes the number o</mark>f business establishments per

Inventory of Commercial Are as of Alami

Barangay	Business
Poblacion 1	47
Poblacion 2	85
Poblacion 3	117
Poblacion 4	32
Del Carmen	22
Palma	
San Agustin	41
San Andres	
San Benito	51
San Gregorio	1
San Ildefonso	8
San Juan	52
San Miguel	6
San Roque	
Sta. Rosa	4
5 m . 1	170

: BLPO, MUNICIPALITY OF ALAMINOS PROVINCE OF LAGUNA **REGION IV - A**



Historical Data on Commercial Areas

There is no data available to trace back the history for commercial areas, however, the concentration of commercial establishment is located in barangay Poblacion 3. Most institutions such as municipal buildings, central school, and public markets are located in this barangay. These institutions create opportunities for the emergence of most of the businesses in Alaminos, thus, majority of commercial establishments surrounds the barangay.

Business Permits Granted

In 2017, there were 470 business permits granted, 390 permits were renewed while 80 are new permits. There are cases that some business establishments fail to renew their business permits due to failure to comply with the requirements of the renewal process. Table 91 shows the number of employees per barangay in the municipality. Three hundred seventy-three (79%) of business establishments are concentrated in the urban barangays – Poblacions 1 to 4, San Benito and San Agustin, with barangay Poblacion 3 having the most number of establishments, and barangay San Benito in terms of number of employees.

Table 91. Inventory of Commercial Establishment by Employment in Alaminos, Laguna

Barangay	No. of Establishment	No. of Employees
Poblacion 1	47	184
Poblacion 2	85	162
Poblacion 3	117	202
Poblacion 4	32	54
Del Carmen	2	0
Palma	4	30
San Agustin	41	106
San Andres	18	106
San Benito	51	527
San Gregorio	1	5
San Ildefonso	8	7
San Juan	52	154
San Miguel	6	16
San Roque	2	13
Sta. Rosa	4	16
Total	470	1,582

Source: BLPO, 2017

D. Industry

Historical Data on Industrial Areas

Most of the industries are located in barangays San Agustin, Poblacion 2 and Poblacion 3. These industries are considered light to heavy in nature and pollutive and hazardous. Light industries are non pollutive and non-hazardous in nature. Examples of this are industries are drying fish, biscuit factory, other bakery products, printing, publishing and allied industries and manufacture of products that do no emit any chemical that may harm the environment. On the other hand, medium industries are those that are pollutive and hazardous, there is danger in health and in fire occurrence. Industries classified as medium in the level of intensity are flour milling, production of prepared feeds for animals, garment and undergarments, manufacture of charcoal, candles, inks rubber shoes, plastic furniture and

footwear, and sign and billboard shop. Meanwhile, heavy industries are those, highly pollutive, highly hazardous and extremely hazardous.

Inventory of Existing Industrial Establishments by Intensity, Capitalization, and Employment

There are 13 industrial establishments in Alaminos. Four (4) establishments are classified as light industries, four (4) establishments are medium industries and the remaining six (6) establishments are heavy industries (refer to Table 92).

Pollutive industries discharge large amounts of air, water, and solid pollutants. Non-pollutive industries on the other hand emit little or negligible amounts of these pollutants. These two types of industry both exist in Alaminos. It varies in the intensity where there are light, medium and heavy industries.

Table 92. Inventory of Existing Industrial Establishments by Intensity, Capitalization, and

Employment in Alaminos, Laguna

Barangay	Industrial Establishment	Employment
Light Industry		
Poblacion 3	Jacksonville Creative Concept	nd
Poblacion 2	Charise Sash Factory And Furniture	nd
San Agustin	Carl Lou Furniture	2
San Juan	Trichique Wood Creations	1
Medium Industry		
Poblacion 1	Kayumanggi (KTF) Tropical Food	2
San Miguel	Larcen Metal Works	3
San Benito	Texin Inc.	22
San Juan	Joe-Vick's Buko Pie	nd
Heavy Industry		
Poblacion 2	Trinidy Steel Works	nd
Poblacion 3	Reyes Nata De Coco	2
San Roque	Pyro Buster Enterprise	11
San Juan	Rastech Chemicals Manufacturing	1
San Agustin	Mega Southern Asphalt Mix Corp.	22
San Agustin	Meridian Nature-Tek Corp.	1

Local Revenue and Industrial Establishment

The local revenue of Alaminos in 2015 reached P7,759,207.62, which is comprised of tax revenue and non-tax revenue. Tax revenue are those tax on income and profits, social security contributions, real property tax, and business tax while non-tax revenue are collected from regulatory fees, service income, business income and other income (dividend, interest and miscellaneous income). The revenue increased in 2016 by P1,141,008.62 and P1,400,411.61 in 2017. The increase in the local revenue is attributed toimprove tax collection management of the Business Permits and Licensing Office.

Although there is an increase in revenue per year, the amount cannot suffice all the monetary needs of the municipality, thus, making the municipality highlyinternal revenue allotment (IRA) dependent. Similar to the province which is also IRA dependent with 86 percent in 2015 and 85 percent in 2016. Alaminos is 76.18 percent IRA dependent in 2015 and _75.67 percent in 2016. Table 93 shows the local revenue generated from industries from 2015 to 2016.

Table 93. Local Revenue of Alaminos, Laguna

Year	Revenue from industries	Total Revenue	Increase/ Decrease
2015	7,759,207.62	106,552,716.07	-
2016	8,900,216.24	118,274,563.08	1,141,008.62

Source: Treasurer's Office, 2017

Inventory of Local Policies relating to Industrial Development

Resolution No. 01 Series of 2008 – A resolution enacting investment incentive ordinance for prospective investors in the municipality of Alaminos, Laguna and for any other purposes relative thereof.

Fuel and Chemical Depot

Gasoline products are abundant and readily available in Alaminos. Gasoline stations are concentrated in barangay San Juan. There are seven (7) fuel depot in the barangay. Vehicles passing thru Alaminos benefit most from these depots as well as the municipality in which they pay for the tax. The existence of the by-pass road going to Lipa City is the primary reason for the concentration of these fuel depots.

Table 94. Fuel and Chemical Depot Company/Owner, Type, and Location

Company/ Owner	Туре	Location
Suncrest Gas CorpRetail Outlet (RegasoBrand)	-	San Juan
Teresita F. Esguerra	EFG Marketing	San Juan
Richard M. Tan	Pryce Gases, Inc.	San Juan
Jose Melchor J.Enriquez	Optimum Gas Energy, Inc.	San Juan
	Shell Gas Station	San Juan
Total Elite Gasoline Station, Inc.	Total Gasoline Station	San Juan
Edwin M. Mojica	Edchel Marketing	Poblacion1
Robert Niño M. Bernardo	Robert Niño Bernardo Gas Station	San Agustin
Petron Corporation	Petron Gasoline Station	San Juan, San Agustin
	Caltex Gas Station	Poblacion 2

Source: BPLO, 2017

E. Tourism

Inventory of Existing Tourist Destinations

Currently, Alaminos has five (5) existing tourist destinations located in the urban area. Table 95 shows the existing tourism destinations in the municipality.

Table 95. Existing Tourist Destinations in Alaminos, Laguna

Name	Barangay
Villa Luisa	Poblacion 3
Ricardo's Forest Hill	San Benito
Cipra Museum	San Agustin
Royal Palm Paradise Resort & Spa	San Agustin
Alaminos Goat Farm	Poblacion 2

Nuestra Senora Del Pilar Church	Poblacion 3
Al-iman Mosque	Poblacion 3
Mapecon	Poblacion 3

Source: MPDO, 2017

Cultural and Tourism Activities/Festivals

CORAMBLAN festival was created to promote tourism in Alaminos. CORAMBLAN stands for coconut (CO), rambutan (RAMB), and lanzones (LAN) which the trees are abundant in Alaminos. It is celebrated every 12th day of October as a tribute to the religious Patron of the town, Nuestra Senora Del Pilar. Other barangays in the municipality celebrate their own fiesta as tribute to their patron saints as shown in Table 96 below.

Table 96. Barangay Patron Saints and Date of Festivities in Alaminos, Laguna

Barangay	Patron Saint	Date of Festivity
Poblacion 4		
Del Carmen	Del Carmen	July 16
Palma 1		
Palma 2	San Isidro Labrador	May 15
San Agustin	San Agustin	August 28
San Andres	San Andres	November 30
San Benito	San Benito	July 11
San Gregorio	San Gregorio	March 12
San Ildefonso	San Ildefonso	January 23
San Juan	San Juan	December 27
San Miguel	San Miguel	May 8
San Roque	San Roque	August 16
Sta. Rosa	Sta. Rosa	August 30

Source: MPDO, 201

Potential Tourist Attractions in the Locality

The municipality has several tourist destinations that remain untapped and undeveloped. Listed below are potential tourist attractions in Alaminos.

Table 97. Potential Tourist Attractions in Alaminos, Laguna

Potential Tourist Attractions

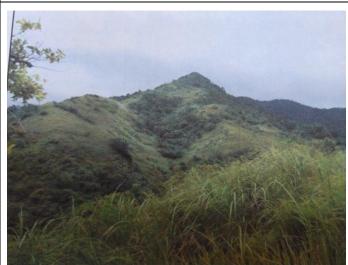
Description
Fule Ancestral Houses,
Poblacion III

Fule Mansion is one of the ancestral houses in Alaminos, Laguna and is owned by Fule Family. One of the mansions is the old rural bank. Both are following Hispanic structure design.



Nahiren Falls, Palma

This falls is located at Brgy. Sta Rosa. Its name was derived from the big stone that was stocked in the opening of the falls and termed as "Nahirinan or nakahiren" meaning the big stone chokes the falls, which also gives name of the falls "Nahiren".



Mt. Pataguin, Palma

This mountain requires of about three hours of trekking prior to reach the overlooking view of Lipa City. Visitors come during holy week from Tanauan Batangas and other places.

Source: MPDC, 2018

F. Economic Sector Problem Solution Matrix

The table below shows the the problem solution matrix for the economic sector of the municipality of Alaminos.

Table 98. Economic Sector Problem Solution Matrix in of Alaminos, Laguna

Issues/observations	Explanation	Implications when unresolved	Policy options
Labor and employment			
Lack of local job opportunities	Previous livelihood projects were unsustainable whereas monitoring is also insufficient	People will continue to seek employment elsewhere, and may increase out migration	Provision of long term and sustainable and competitive livelihood
High unemployment and underemployment rates	Most of the working population were working outside the municipality	People will continue to seek employment elsewhere, and may increase out migration	Local government -private sector cooperation to provide employment with

Issues/observations	Explanation	Implications when unresolved	Policy options
	wherein wages do not suffice with their job.		the locale
Large number of working population are employed outside of the LGU	Less job opportunities in the municipality. Industries in the area were not in need of much man power.	May affect the local revenue source; increase out migration	Local government -private sector cooperation to provide employment with the locale
Agriculture	1	I	
Large agriculture areas are underutilized	Irrigation system is not adequate to serve planting areas for annual crops. Plantation areas were mostly occupied by perennials such as fruit bearing trees	Prevalence of idle lands increases local revenue from idle land taxation, negatively affect food security, inefficient land use	Promotion of crop diversification Intensification of crop, and livestock production
Agricultural lands are converted to industrial use	Some agricultural declared lands were converted into industrial land resulting to lesser lands used for agricultural production	Affects the food security, land converted but not reclassified for industrial use have smaller tax receipts	Updating and enforcement of the land use plan Protocol on land conversion within the limit
Lack of modern agricultural technology	Modern technology was not fully used as to farming resulting to unmaximized yield	The potential of the agriculture sector remains untapped and undeveloped	Enhancement of extension support, education and training
Farmers' organizations are not well organized	Farmers' association were not legally registered (ex. SEC)	No partnership and collaboration with local government decision making, the farmers' needs are not voiced out, less support received from the LGU; potentials remained untapped and undeveloped; less chance to participate in activities that provide training, workshops, seminars and practical expertise	Strengthening of farmers and cooperatives

Issues/observations	Explanation	Implications when unresolved	Policy options
Insufficient projects/training for farmers	Farmers were not exposed to different trainings where they can be empowered	Reduces chance to learn new techniques and methods, and marketing skills	Provision of production support programs Enhancement of extension, education and training
High reliance on importation from other provinces	Most of the agricultural commodities being sold in the market were being imported from the nearby provinces.	Local sources/business/ industries remain undeveloped, prices of goods and produce are higher compared when it's sourced locally	Promotion of crop diversification Intensification of crop, and livestock production
Agriculture production is exported to other areas	Harvests such as poultry products were delivered and sold outside the municipality	Affects food security of the municipality especially during emergency, there will be no stored goods/produce to sustain the population especially during emergency	Provision of production support programs Promotion of crop diversification Intensification of crop, and livestock production
Livestock and poultry wastes contributes to pollution and other health related risks	Foul odor were present near the farm area	Increases incidence of water and air borne diseases	Protocol on waste management of agri-industries Monitoring of existing agri industries on waste production and management
Tourism No tourism officer	Tourism office in	No tourism	Designation of
Tro tourism officer	not yet established in the LGU due to that no personnel to be appointed	development	tourism officer
No tourism master plan	No tourism office and designated tourism officer	Tourism sector will remain undeveloped, no direction set for the industry, no potential/additional local revenue	Provision of tourism plans and programs thru the tourism officer
Potential tourism sites are undeveloped	No officer is designated for eco-tourism sites development	No potential/additional local revenue	Formulation of projects and programs prior for development and advertisement of potential tourism sites

Issues/observations	Explanation	Implications when unresolved	Policy options
Commerce, trade and indi			
Business establishment are not renewing their permits	Some of the business establishments fail to renew their permits resulting to tax mapping	Closure of business establishment, increase fines	Close monitoring on the businesses operating in the local Enforcement of regulations to noncomplying business establishments
Livelihood programs and other local initiatives are not sustained, maintained and monitored	Beneficiaries of programs and projects do not continue the livelihood given to them	Waste of resources, population will seek opportunities elsewhere, affect economic development	Provision of sustainable projects, programs at other initiatives Monitoring and evaluation of project and programs implemented
Presence of highly pollutive and hazardous industries	There are hazardous and pollutive industries operating in the municipality	Increase incidence of water and air borne diseases	Protocol on industry application to operation monitoring
Data management	T	T	
Lack of data management system	Data of the municipality are consolidated and updated. Some data for the previous years is missing.	Lack of data management system affects the productivity and efficiency of employees, accuracy and credibility of data, and contributes to difficulty in analysing and interpreting conditions for planners, investors and decision makers	Establishment of MIS and staff assigned on data management

V. Infrastructure Sector

This section presents the development, conditions, and concerns of the infrastructure and utilities in the Municipality of Alaminos. Included in this section are transportation, communication, water resources, power/energy, social service support, economic support, and administrative support facilities.

A. Transport

Similar to the province of Laguna, Alaminos is only accessible by land transportation. The transportation network in Alaminos is composed of roads, railways and footpaths.

System Classification and Type of Pavemen

There is a total of 64.85 kilometers of road networks, which is mostly made of concrete or asphalt. Table 99 summarizes the national, provincial, municipal, barangay, and private roads in Alaminos, Laguna (refer to Map 29).

able 99 Road Networks and Length of Alaming

	Table 99.	Road Net	works and Length of Ala	minos Laguna		
			Road Classification		Length (Km)	
	Nationa	Roads	The second second		16.64	
	Provinci	l Roads			9.94	
I	Municip	al Roads			6.89	
	Baranga	Roads			27.60	
	Private I	oads			3.78	
	Total				64.85	
	Source: N	PDO GIS	Computed, 2018			

National Roads

There are two (2) national roads in Alartinos – Maharlika highway and Alaminos Ltpa Road. Maharlika Highway, which is 9.32 kilometers in length, is the main network of the nunicipality connected to the City of San Pablo and Sto. Tomas, Batangss Maharlika highway is currently being widened to accompodate road needs and alleviate visition tongestions along major the gaffares. The Alartinos-Lippe bad to 7.32 kilometers on the control of Lipa. In terms of san ace type, Maharlika high by

has an asphalt surface while Alaminos –Lipa road is concrete. Both national roads are in fair and good conditions. Table IF 2 below shows the national roads, surface types, conditions and length.

The national government has a program for widening national roads and this includes the Maharlika highway which, after the road widening, has a width of 20 meters.

Table 100. National Roads with Surface Type, Condition, and Length of Alaminos, Laguna

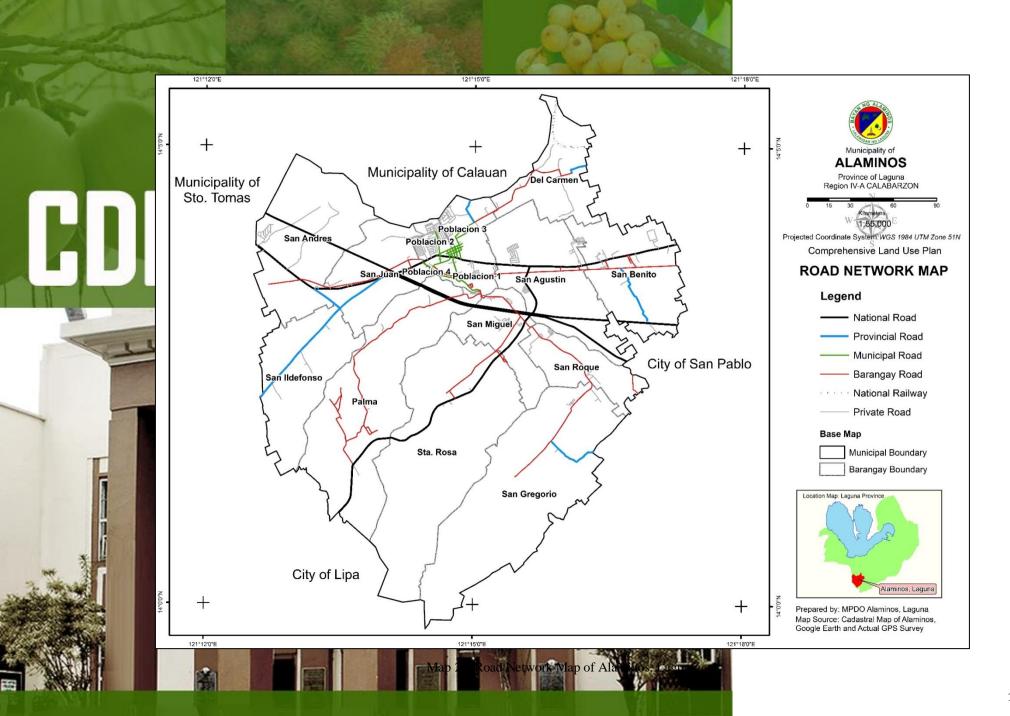
Road Name	Surface Type	Condition	Length (Km)
Maharlika Highway	Asphalt	Fair	9.32
Alaminos - Lipa City Road	Concrete	Good	7.32
Total			16.64

Source: MPDO GIS Computed, 2018



MUNICIPALITY OF ALAMINOS PROVINCE OF LAGUNA REGION IV - A





Provincial Roads The provincial roads make up a total of 9.94 kilometers of the total road network of Alaminos. This type of road connects cities and municipalities without traversing national roads, national roads to barangays through rural areas and major provincial government infrastructure. Provincial roads made up of either asphalt (41.85%) or concrete (58.15%). In terms of its condition, 46.08 percent is generally fair and good. Table 101 shows that the San Benito-Sta. Veronica road, San Gregorio-Santiago 1 road, and Del Carmen-San Crispin road are in poor condition and need of an improvement. Table 101, Provincial Roads with Surface Type Condition and I Length in Alaminos, Laguna Length (Km) Road Name **Surface Type** Condition Sto. Tomas - Alaminos Road Asphalt Fair 3.61 Sta. Veronica Road, SPC oncrete Fair 0.41 Concrete San Benito - Sta. Veronica Road M 1.63 Poor San Gregorio - Santiago 1 Roa Concrete Poor 1.10 Barangay 3 - Limao Road IIIUS 0.55 Good Asphalt Del Ca rispir Poor 2.63 9.94 Source PDOCompMunicipal Roads provincial and national roads roads are roads within Poblation area that le inter-barangay connections to major municipal infrastructure without traversing ial roads. The total length of the municipal roads in Altuninos is 6.89 kilometers, rovincial roads, the type of su face of the municipal roads is either asphalt (67.92%) e (32.08%) with conditions varying from poor (23.51%), fair (36.57%), or good Roads that have a poor condition are in need of an immediate repair or o provincial roads. The total length of the municipal road improvement, roads classified as fair mean it is acceptable or serviceable but ca while roads that are good in condition provide good serv improved. people Municipal Roads Road Name Surface Type Condition Length (Km) Faylona Street Fair 0.29 Asphalt Good 0.35 Barangay 3 Road **Asphalt** Schultz Street 0.50 **Asphalt** Good 0.97 Francisco Fule Stree Concrete Poor Fair Jose Fule 0.48 **Asphalt** 0.94 Marcelino Fule Dive Good sphalt Medina Street 0.28 Gen. Malvar Street 0.20 Asphalt Fair KalvePutol Concrete 0.15 Poor Lt. de Villa **Asphalt** Fair 0.15 0.59 Rizal Street Good Daniel Fandiño Street Fair 0.67 Apolinario Mabini Stree **Asphalt** Fair 0.17 Juan Luna Street **Asphalt** Good 0.37

PROVINCE OF LAGUNA

REGION IV - A

Concrete

Poor

NG A Villanueva

Source: MPDO GIS Computed, 2018

Barangay Roads

Barangay roads function as other public roads within the barangay and do not meet the other criteria previously mentioned in the other road classifications.

Among the 20 barangay roads, three (3) roads are already considered poor (46.20%) and in need of repair, these are: San Gregorio barangay road, PNR road, and Del Carmen road. The rest of the barangay roads are considered in a fair condition (53.80%).

Table 103. Barangay Roads with Surface Type, Condition, and Length of Alaminos, Laguna

Road Name	Surface Type	Condition	Length (Km)
San Gregorio Barangay Road	Concrete	Poor	2.33
Sta. Rosa Barangay Road	Concrete	Fair	0.89
San Juan Barangay Road	Concrete	Fair	0.67
San Miguel Barangay Road	Concrete	Fair	0.20
San Miguel Barangay Road	Concrete	Fair	1.23
San Juan Barangay Road	Concrete	Fair	0.18
San Agustin Barangay Road	Concrete	Fair	0.09
San Benito Barangay Road	Concrete	Fair	0.21
San Benito Barangay Road	Concrete	Fair	0.30
San Miguel Barangay Road	Concrete	Fair	0.24
San Juan Barangay Road	Concrete	Fair	0.05
San Agustin Barangay Road	Concrete	Fair	0.09
PNR Road	Concrete	Poor	7.79
Palma Barangay Road	Concrete	Fair	7.08
Alaminos Bypass Road	Concrete	Fair	1.28
Del Carmen Barangay Road	Concrete	Poor	2.63
San Benito Barangay Road	Concrete	Fair	0.19
San Roque Barangay Road	Concrete	Fair	1.91
San Benito Barangay Road	Concrete	Fair	0.04
Sta. Rosa Barangay Road	Concrete	Fair	0.20
To	tal		27.60

Source: MPDO GIS Computed, 2018

Private Roads

Private roads have a total length of 3.78 kilometers. It is mostly composed of subdivision roads made of concrete and are in fair condition. It is mostly composed of subdivision roads made of concrete and are in fair condition.

Table 104. Private Roads with Surface Type, Condition, and Length of Alaminos, Laguna

Road Name	Classification	Surface Type	Condition	Length (Km)
Private Roads	Private	Concrete	Fair	3.78
Total				3.78

Source: MPDO GIS Computed, 2018

Inventory of Bridges by Location, Type, Capacity, and Condition

Bridges serve as an important link for the road networks. It connects roads and enable vehicles to cross rivers or cliffs. Currently, Alaminos has seven (7) bridges, all made of concrete.

Table 105. Inventory of Bridges by Location, Type, Capacity, and Condition in Alaminos,

Laguna

Bridge name	Barangay	Length	Width	Type
Mayor Eronaisaa Danata Bridga	Doblosion I	45.60 m	10 m	Concrete
Mayor Francisco Donato Bridge	Poblacion I	44.70 m	10 m	Concrete
		16.3 m	8.8 m	Concrete
	San Andres	16.3 m	4.5 m	Concrete
		8.2 m	8.0 m	Concrete
	San Miguel Bridge	63.3 m	10.5 m	Concrete
	San Roque	10.8 m	4 m	Concrete

Source: MEO, 2018

Inventory of Railways, Railway Facilities and Services

The Philippine National Railway traverses in Alaminos, specifically in barangays San Andres, San Juan, Poblacion IV, Poblacion I, San Agustin, San Benito. However, these railways are no longer being used as a form of transportation since residents of Alaminos and the neighboring municipalities/cities use private vehicles, jeeps, tricycles, and buses as their main modes of transportation.

Also, the railway is no longer functional since the track is already paved and there are no facilities or services provided.

Modes of Transportation and Transportation Terminals

The modes of transportation in the municipality include jeepneys, tricycle, buses, and use of private vehicles. Tricycles and jeepneys are the main transportation modes in the municipality. Tricycle terminal is located in the public market in barangay Poblacion 3. The municipality ten (10) tricycle operators and drivers associations (TODAs), eight (8) of which are registered and operating in the municipality, while two (2) are registered in Calauan.

The tricycles allow the locals of Alaminos to travel narrow roads in barangays, and areas that jeepneys cannot reach. Though the Alaminos does not have its own jeepney terminal, it is accessible by jeepneys that pass by the Maharlika highway going to either Tanauan City, Batangas or San Pablo City, Laguna.

Table 106. Existing Tricycle Operators and Drivers' Association Location of Service in

Alaminos, Laguna

TODA Name	Location
APODA 1	Poblacion 1
ATODA II	Poblacion 2
ATODA III	Poblacion 3
APODA IV	Poblacion 4
AITODA	Ibayiw
SALTODA	San Agustin
AJIFTODA	San Ildefonso
PATODA	Palma
ALITODA	Limao, Calauan
ATTODA	Tamlong, Calauan
SBTODA	San Benito

Source: Treasurer's Office, 2018

Traffic Conditions

The annual average daily traffic (AADT) and volume capacity ratio (VCR) in two (2) national roads is summarized in Table 107 below. The AADT or the average volume of traffic of a road per day in the municipality of Alaminos has reached its peak at 24,342. A high AADT signifies severe 24-hour congestion at a given section of a highway or road. The highest AADT are experienced in major thoroughfares near Calamba City and San Pablo City and cities in Batangas.

The VCR is the ratio of vehicles passing a point in one hour with the maximum number of vehicles that can pass a certain point at the reasonable traffic condition. It is used to assess traffic status in a particular area. Roads with VCR greater than 1.50 is considered beyond capacity, 1.0 to 1.50 VCR is at and above capacity, 0.75 to 1.0 VCR is reaching capacity, and less than 0.75 VCR us below capacity. The Maharlika highway traversing Alaminos is considered as beyond capacity with saturated traffic volumes, stop and go situations. This means that drivers do not have freedom to elect their speed.

With the ongoing project of DPWH, the bypass road and TR4, the traffic along Maharlika highway is expected to significantly decrease.

Table 107. Annual Average Daily Traffic (AADT) and volume capacity ratio (VCR)

National road	AADT	VCR
Maharlika Highway	24,342	1.20
Alaminos - Lipa City Road	2,110	0.07

Source: DPWH, 2018

Road Crashes by location, Nature, and Frequency

Table 108 shows the frequency of road accidents in the municipality for the past two years. Among the three (3) types of road crashes, reckless imprudence resulting to damage to propertyis the most frequent type of accident in the municipality with 144 accidents cases in 2016, and 101 cases recorded in 2017.

Table 108. Road Crashes by Type and Frequency in Alaminos, Laguna

Nature	Location	2016	2017
Reckless imprudence resulting to	Palma, San Juan, San Benito, San		
damage to property	Andres, San Agustin, Sta. Rosa,	144	101
	Poblacion 1, Poblacion 2,	144	101
	Poblacion 3, Poblacion 4		
Reckless imprudence resulting to	Palma. San Juan, San Benito, San		
physical injury	Andres, San Agustin, Sta. Rosa,	50	30
	San Miguel, Poblacion 2		
Reckless imprudence resulting to	San Benito	3	6
homicide		3	6

Source: Philippine National Police Alaminos, 2017

Transport Related Projects

Transport related projects are projects that are expected to ease the transport of goods and services, as well as, to provide safe and fast travel of the road users. On-going transport-related projects in the municipality include: additional street lights, farm to market roads (FMR), perimeter fences, concrete box culvert bridges, bypass road, and the TR4.

Table 109. Transport Related Projects in Alaminos, Laguna as of 2018

Name	Location	Contractor	Estimated Start Date
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Name	Location	Contractor	Estimated Start Date
Supply and Installation of 20 LED Solar Streetlights	CALABARZON Road, San Agustin	Equator	5/21/2018
Farm to Market Road (ADM)	San Juan	WMLC	6/3/2018
Supply and Installation of Streetlights	Poblacion 4	Lake City Builders	6/6/2018
Farm to Market Road (20% Development)	San Juan	Lake City Builders	6/6/2018
Construction of Perimeter Fence at San Ildefonso Elementary School	San Ildefonso	Lake City Builders	7/8/2018
Construction of Reinforced Concrete Box Culvert	Poblacion 2	Lake City Builders	7/8/2018
Bypass Road	San Juan, Palma, San Miguel, San Agustin	DPWH	On-going
South Luzon Expressway Toll Road 4 (SLEX-TR4).	San Andres, San Juan, Palma, San Miguel, San Agustin, San Benito	DPWH	On-going

Source: MEO, 2018

B. Power

Households Served with Electricity

The main electricity provider in the municipality is the Manila Electric Company (MERALCO). Table 110 shows that in 2015, 10,475 households have already provided with electricity by MERALCO. This means that there is only (number of households) or 2.98 percent of total households that is still in need of electricity. However, there is an increase in the number of households in 2016 and 2017. The percentage of electrified households dropped to 94.69% in 2017 because of this. The local government of Alaminos is keen on granting permits to households that are requesting for electricity. Households that still do not have electricity may be the ones which are identified as informal settlements which comprise of 249 households.

Table 110. Household Electrification Statistics in Alaminos, Laguna

Year/Barangay	Total Household	Estimated Electrified Household	Estimated % Household Electrification
2015	10,687	10,475	98.02%
2016	11,368	10,765	94.70%
2017	11,367	10,763	94.69%
Poblacion 1	832	788	94.71%
Poblacion 2	629	596	94.75%
Poblacion 3	617	584	94.65%
Poblacion4	789	747	94.68%
Del Carmen	639	605	94.68%
Palma	536	507	94.59%
San Agustin	1,273	1,206	94.74%
San Andres	671	635	94.63%
San Benito	1,446	1,369	94.67%
San Gregorio	905	857	94.70%

San Ildefonso	640	606	94.69%
San Juan	701	664	94.72%
San Miguel	436	413	94.72%
San Roque	464	439	94.61%
Santa Rosa	789	747	94.68%

Source: MERALCO, 2018

Number of Connections by Type of Users and Average Consumption

MERALCO serves four (4) types of clientele in the municipality. The table below shows that in 2017, MERALCO served a total of 9,097 clients where 8,524 are residential, 555 are commercial establishments, 13 are industries, and six (6) are street lights. It is projected that in 2027, the total of clients that needs to be provided with electricity will be at 13,534.

Table 111. Number of Clientele Provided with Electricity in Alaminos, Laguna

	Clientele				
Year	Residential	Commercial	Industrial	Street Light	Total
2013	7,584	519	12	5	7,768
2014	7,584	533	13	4	8,134
2015	7,748	528	13	5	8,294
2016	8,182	541	13	6	8,742
2017	8,524	555	13	6	9,097
2027	12,854	655	16	9	13,534

Source: MERALCO, 2018

The table below shows that, generally, the bulk of electricity provided goes to residential clients. Their annual consumption is 12,877 megawatt hour (mwh), only half of commercial consumption which is 6,554 mwh, annually. The total electricity consumption of all the clientele in 2017 is 23,702 mwh and is expected to be more than doubled in 2027, with 48,513 mwh as a total consumption.

Table 112. Annual Electricity Consumption per Clientele in Alaminos, Laguna

	Electricity Consumption (Mwh)*				
Year	Residential	Commercial	Industrial	Street Light	Total
2013	9,809	4,770	1,107	201	15,887
2014	9,945	5,108	2,529	180	17,762
2015	10,723	5,785	3,522	179	20,209
2016	12,094	6,469	3,315	201	22,079
2017	12,877	6,554	4,069	202	23,702
2027	25,428	14,503	8,376	206	48,513

Source: MERALCO, 2018

Power Transmission/Distribution Line

A transmission line and a distribution line both carries electricity from one place to another. The difference lies on the where the electricity is from and the voltage level it carries. Transmission lines carry electricity from power plants and deliver it to substations with a voltage level of 11,000, on the other hand, distribution lines carry electricity with a low voltage of 220 to a power substation and delivers it to consumers.

The municipality has 39 transmission towers, which can be found in four (4) barangays, namely – San Andres, San Ildefonso, San Gregorio, and Palma.

Table 113. Transmission towers in Alaminos, Laguna

Barangay	Number of Transmission towers
San Andres	10
San Ildefonso	9
San Gregorio	8
Palma	12

Source: Office of the Municipal Engineer, 2018

Power Substations

Power substations transforms voltage into low to high or reverse which will then be transmitted or distributed. In the case of Alaminos, there is no existing power substation.

Power Plants

A power plant is a facility where electricity is generated from difference energy sources and converted into electrical power. Currently, Alaminos has no existing power plant in the municipality.

C. Water

Philippines has three (3) levels of classification of water system, these are 1) Level 1—Standalone water points, including shallow wells, hand pumps, or rainwater collectors; 2) Level 2—piped water supply with a communal water point, such as spring system or bore well; and 3.) Level 3—Piped water supply with a private water point, such as a house connection. All three levels of classification of water system are present in Alaminos, Laguna and will be discussed each below.

Level I Water Supply System by Type and Number of Households Served

Table 114 shows that three (3) barangays in Alaminos is dependent on a hand pump which is considered as a Level I water supply. These barangays include Poblacion I, San Agustin, and Sta. Rosa with 148 households relying on hand pumps as their main source of water.

Table 114. Number of Households Served with Level I Water Supply in Alaminos, Laguna

Barangay	Number of households
Poblacion 1	74
Poblacion 2	0
Poblacion 3	0
Poblacion 4	0
Del Carmen	0
Palma	0
San Agustin	63
San Andres	0
San Benito	0
San Gregorio	0
San Ildefonso	0
San Juan	0
San Miguel	0
San Roque	0

Sta. Rosa	11	
Total	148	

Source: PSA, 2015

Water Sources of Level II Water Supply System

Households from barangays Palma, San Gregorio, San Ildefonso, San Miguel, San Roque, and Sta. Rosa have 3,892 households relying on a communal water source for their water supply.

Table 115. Number of Households Served with Level II Water Supply in Alaminos, Laguna

Barangay	Number of households
Poblacion 1	0
Poblacion 2	0
Poblacion 3	0
Poblacion 4	0
Del Carmen	0
Palma	592
San Agustin	0
San Andres	0
San Benito	0
San Gregorio	821
San Ildefonso	680
San Juan	0
San Miguel	415
San Roque	414
Sta. Rosa	970
Total	3892

Source: PSA, 2015

Level III Local Waterworks System Number of Households Served

Majority of the households in Alaminos use a Level II water supply for their daily needs. Alaminos Water District provides service for water supply in barangay Poblacion 1, Poblacion 2, Poblacion 3, Poblacion 4, Del Carmen, San Agustin, San Andres, San Benito, and San Juan.

Table 116. Number of Households Served with Level III Water Supply in Alaminos, Laguna

Barangay	Number of households	
Darangay	Number of mouseholds	
Poblacion 1	519	
Poblacion 2	409	
Poblacion 3	465	
Poblacion 4	496	
Del Carmen	250	
Palma	0	
San Agustin	774	
San Andres	851	
San Benito	1322	
San Gregorio	0	
San Ildefonso	0	

San Juan	615
San Miguel	0
San Roque	0
Sta. Rosa	0
Total	5701

Source: PSA, 2015

D. Information and Communications Technology

Communication Services Facilities

Table 117 shows the types of communication available in the municipality, this includes postal services, freight services, internet providers, telephone service, cellular sites, and cable providers.

The postal office operates in the municipal hall and its services include mailing and freight forwarding and delivery. Aside from the post office, there are also eight (8) freight services offered in the municipality listed below which are all privately owned.

Internet is available in the municipality but with relatively slow connection, depending on the location and the service provider. There are three (3) internet providers present in the municipality which includes PLDT-Smart, Digitel, and Globe. PLDT and Digitel offers telephone services which is usually bundled with the internet connection.

For cellular network, both Globe Telecommunication and Smart Communications are available and widely used in the municipality for calling and messaging. Strength of connections varies from place to place, while even some areas have dead spots—areas with no signal receptions.

Cable television is a technology where television programming is delivered via a co-axial or a fiber-optic cable. In Alaminos, there are two (2) cable television service provider: 1) Rustic Clear Cable Corporation and; 2) Telmarc Corporation, which are both are located in barangay San Benito.

Table 117. Communication Service Facilities in Alaminos, Laguna

Type	Service Provider/ Company	Barangay Served	Ownership
Postal services	Postal Office	All Barangays	Public
	Montelena Prime Movers	San Ildefonso	Private
	ML KargoPadala Inc.	nd	Private
	Trirex Logistics Inc.	Poblacion I	Private
Freight Services	4BIS Joe's Mac Express Services	San Agustin	Private
	Castlerey Enterprises	San Agustin	Private
	Pailo Forwarder	San Ildefonso	Private
	Fastcargo Logistic Corp	San Benito	Private
	Jul's Transport	San Ildefonso	Private
Internet providers	PLDT-Smart	All Barangays	Private
Internet providers	Digitel	All Barangays	Private

Type	Service Provider/ Company	Barangay Served	Ownership
	Globe Telecom, Inc.	All Barangays	Private
Telephone service	PLDT	All Barangays	Private
provider	Digitel	All Barangays	Private
Cellular sites network	Smart Communications	All Barangays	Private
	Globe Telecom, Inc.	All Barangays	Private
Cable Television	Rustic Clear Cable Corporation	San Benito	Private
	Telmarc Corporation	San Benito	Private

Source: BPLO, 2018

Type of Print Media Available

There is only one print media available in the municipality which is handled by Kaboom Media Advertising and is located in barangay San Juan.

Cell Site Network

A cell site or tower is a support infrastructure which houses equipment used to transmit radio signal for cellular voice and data. Area coverage of a cell site, whether strong or weak coverage, depends on the equipment attached to it, the location, height, and other significant technology therein.

Globe Telecom, Inc. and Smart Communications, Inc., two of three country's leading networks, are offered in the municipality. In fact, there are twelve (12) cell sites present, five (5) belongs to Globe Telecom, Inc., while seven (7) belongs to Smart Communications, Inc..

Table 118. Cell Site Location in Alaminos, Laguna

Owner	Location
Globe Telecom, Inc.	San Miguel
Globe Telecom, Inc.	San Andres
Globe Telecom, Inc.	San Benito 1
Globe Telecom, Inc.	San Gregorio
Globe Telecom, Inc.	San Benito 2
Smart Communication, Inc.	Poblacion I
Digitel Mobile Philippines/ Smart Communication, Inc.	Poblacion I
Smart Communication, Inc.	San Benito
Smart Communication, Inc.	San Gregorio
Smart Communication, Inc.	San Ildefonso
Smart Communication, Inc.	San Juan
Smart Communication, Inc.	Sta. Rosa

Source: MEO. 2018

E. Infrastructure Sector Problem-Solution Matrix

Table 119 presents the problem solution matrix for the infrastructure sector of Alaminos.

Table 119. Infrastructure Sector Problem Solution Matrix of Alaminos, Laguna

Issues/observations	Explanation	Implications when unresolved	Policy Options/ Interventions
Transportation			

Issues/observations	Explanation	Implications when unresolved	Policy Options/ Interventions
Presence of narrow roads	Some roads are in need to be widened to accommodate large volume of vehicles	May contribute to difficulty or delays in transporting goods to and from Alaminos and difficulty in mobility and accessibility during emergency situations, narrow roads along urban areas may contribute to road crashes among pedestrians	Road widening projects
Traffic congestion along national road	Large volume of vehicles use the national road of Alaminos going to and coming from the municipality of San Pablo, Laguna	May contribute to delays in transporting goods and services	(There is an ongoing project— TR4 and Bypass road—that would reduce the traffic congestion along Maharlika highway)
Proliferation of illegal parking	Some residents doesn't have their own	Contributes to congestion in urban areas and delay in the delivery of goods and services	Implementation of Article 5 Sec. 52 of R.A. 4136 or the Land Transportation and Traffic Code
No policy regulating speed limits in shared roads	Absence of traffic management program	Increases likelihood occurrence of road crashes among vehicles and pedestrians	- Craft an ordinance for speed limit in shared roads - Street signs as cautionary guide for drivers
High incidence of reckless impudence resulting to damage to properties		Road safety is compromised	 Monitor speed of vehicles Designation of traffic enforcers in accident prone areas
Lack of differently abled person (DAP) friendly infrastructure support facilities	Differently abled persons will have difficulty with mobility and access to services	Increases vulnerability among DAPS specially during disaster, do not encourage participation, not empowering	Implementation of Batas Pambansa 344 (An act to enhance the mobility of Differently Abled Persons)
Weak enforcement of traffic management program	Traffic violations are more likely to be committed	Causes transport related issues such as traffic congestion, proliferation of illegal parking, lack	Establish a traffic management office

Issues/observations	Explanation	Implications when unresolved	Policy Options/ Interventions
		of traffic facilities investment, poor enforcement and implementation of rules and regulations	
Insufficient farm to market roads	Often times, lands near farms are often privately owned and therefore, the municipal government cannot build FMR	Increases cost of transporting goods	Coordinate with private land owners near the farms for allocation of land for FMR
Slow progress of road widening programs		Causes traffic congestion, contributes to delays in the delivery of goods and services, and may cause road crashes	Coordination with contractor; stick with the project schedule to avoid delaying the completion of the project
Lack of transportation support facilities – street lights and CCTV	CCTVs and street lights are ancillary facilities that can help reduce crime incidences	Reduces safety especially at night	Investment to transport facilities such as CCTVs
Insufficient basic social services infrastructure facilities	Social services such as barangay health station	Causes increase out migration	
Lack of data management system	There is no centralized data base which causes data loss/unavailability	Lack of data management system affects the productivity and efficiency of employees, accuracy and credibility of data, and difficulty in analysing and interpreting conditions for planners, investors and decision makers	Allocate an office or designate a person to manage and store data and information in the municipal hall; require all personnel to have a backup data
Power	X C 11	Y11 1 .*	D 6
Prevalence of illegal electricity connections	Informal settlers often illegally tap on electricity connections since they can't be	Illegal connections, may lead to electrical accidents and fire incidence, may cause	Enforce strict implementation of R.A 7832 or the Anti-electricity and Electric
	provided with permit to have their own connection	overloaded power lines and transformers due to	Transmission Lines/Materials Pilferage Act of

Issues/observations	Explanation	Implications when unresolved	Policy Options/ Interventions
		unregistered consumption may also contribute to accidents and brownouts that affect the community	1994
Water	T =	T =	
Limited water supply	Low level of ground water supply	Continuous water shortage affects households, and other sectors and subsectors	- Invest in water treatment facility
High frequency of water interruptions	Due to limited water supply, there are water interruptions in the morning in some parts of the municipality	Continuous water shortage affects households, and other sectors and subsectors	- Invest in water treatment facility - Promotion of rainwater harvesting
Water pollution		Water-borne diseases	Strong implementation of RA 9275 or the Clean Water Act of 2004
Information and Comm	unication		
Some areas have limited/low signal for communication	Some areas have limited/low signal coverage depending on the service provider	Delay in transmitting and receiving communications especially during emergency situations, may affect social services such as education, poor mobile networks affect the business processes and the speed of output production.	Improvement/ upgrade of existing cellular sites for a wider coverage
Poor management of CCTV facilities	Some areas still does not have CCTV and CCTV facilities	Reduces safety/security in the area	Designation of a personnel to specifically monitor CCTV facilities

VI. INSTITUTIONAL SECTOR

This chapter presents five subsectors – local government structure of the Municipality of Alaminos, public finance and fiscal management, local legislations, institutional linkages and the general assessment of the institutional sector. The first part discusses the Local Government Structure of the Municipality with its composition, planning capability, and development management capability. The second part contains the public finances and fiscal management, this subsection provides historical information with regards to the LGU's revenues, budget allocation, expenses and projections. The third part of this chapter provides information on local legislations of the Municipality. The fourth part contains the institutional linkages – national, regional, provincial linkages of the LGU. The final subsection refers to the general assessment of Alaminos.

A. Local Government Structure

Planning capability and Development Management Capability

Alaminos' organizational structure for participatory planning and governance is guided by the Local Government Code where the transfer of substantial powers and responsibilities to LGUs requires the establishment of local government structures that shall be responsive to the needs of their constituents as well as be accountable for it. LGUs should have elective and appointive officials and special local bodies as per the Local Government Code in which the elective officials are the Mayor, Vice Mayor, Councilors, Barangay Chairman and Barangay Sanggunian members and the Sanggunian Barangay Chairman. The mandatory and optional local officials are the appointive local officials.

Local Chief Executive

The Local Chief Executive (LCE) or the Office of the Mayor is the focal point of the local government unit where the duties and responsibilities in aspects of local governance and administration take place. The Municipal Government is headed by the Municipal Mayor, which is mandated to lead the planning and development management. The Local Chief Executive have executive officials that supports the implementation of formulated plans for the Municipality. The mandated officials within the LGU are: (1) the secretary to the Sanggunian, (2) the administrator which is coterminous with the appointing authority and optional for municipalities, (3) the treasurer, (4) the assessor, (5) the budget officer, (6) the accountant, (7), the planning and development coordinator, (8) the engineer, (9) the health officer, (10) the social welfare and development officer which is mandatory for cities but optional for municipalities, (11) and the civil registrar.

Based on the mandate of Republic Act 7160, Sec. 444 (b) (ii), the Local Chief Executive shall "direct the formulation of the municipal development plan with the assistance of the municipal development council and upon the approval thereof by the Sangguniang Bayan to implement the same" which also mandates each LGU to have a comprehensive multi- sectoral plan. This plan shall be initiated by the Municipal Development Council (MDC) upon the approval of the Sangguniang Bayan (R.A. 7160, Sec. 106).

Hon. Eladio Masa Magampon, M.D. leads the municipality of Alaminos as the municipal mayor. The Local Government Unit is composed of the Sangguniang Bayan headed by the municipal vice mayor, municipal councilors, ABC President and Sangguniang Kabataan President. Moreover, there are 11 department heads in charge in their offices respectively.

Duties and Functions of Personnel

Municipal mayor is the one who exercise general supervision and control over all programs, projects, services and activities of the municipality, enforces all laws and ordinance, initiates and maximizes the generation of the resources and revenues, ensure the delivery of basic services and the provision of adequate facilities and exercise all the powers to the performance of an effective governance.

On the other hand, the Sangguniang Bayan functions as local legislative department in local governance which is concerned in rule-making on the socio-cultural, economic and political development needs and aspirations of the people within the territorial jurisdiction of the Municipality of Alaminos, Laguna.

The Secretariat of the Sangguniang Bayan plays a vital role to the legislative body in effecting its function of coming up with a propriety and quality of legislative enactments of resolution and ordinance in the pursuance of the executive legislative agenda for the general welfare of the constituents.

The role of the municipal administrator is the provision of services and general supervision in coordinating various thrust and programs of the Municipal departments/ offices and supports the activities of the Office of the Municipal Mayor in the dissemination and implementation of the governing policies, rules, laws and regulations.

Municipal treasurer is the personnel tasked to take custody and exercise proper management of the funds of the Local Government Unit concerned as well as other matters relative to the public finance.

The municipal planning and development office serves as the core in the development and planning of all the sectors/concerns of the entire Local Government.

Municipal accountant takes charge of the accounting and internal audit services of the municipality and keeps all accounts and financial records of the Local Government Unit.

The purpose of having municipal budget officer is to review and consolidate budget proposals of different offices and department of the local Government Unit and provide technical assistance to the Local Chief Executive and Sangguniang Bayan on Budgetary and appropriation matters.

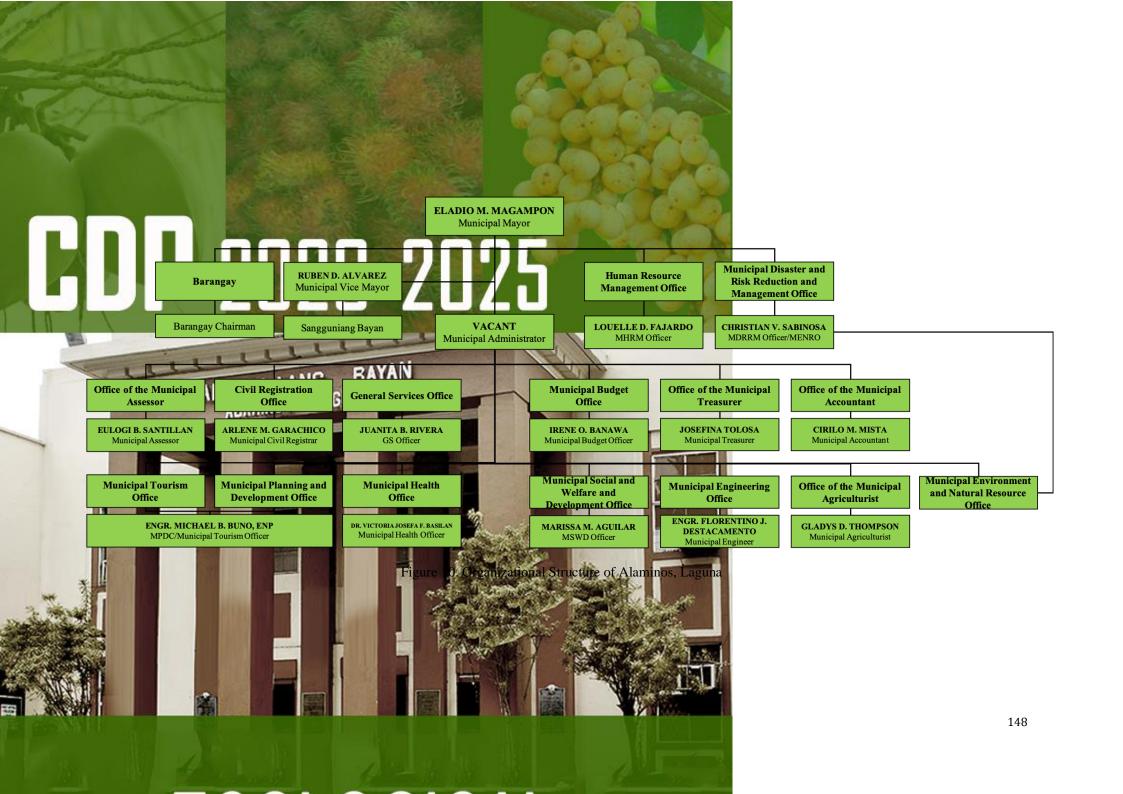
The prime function of the general services officer is to provide services in terms of procurement, care utilization and disposal of all supplies and properties, maintenance in the cleanliness of public places and ensure the protection of the public health and environment.

The municipal assessor is tasked to heighten the realty tax collections and maintain effective recording of assessment rolls, preparing notice assessment and Tax Bills of 15 barangays and discovery of new or additional improvement of perennial plants/ trees, buildings and machineries.

Responsibility for the promotion of optimum health of the populace through various health programs is accounted as function of the municipal health officer.

Preparation of projects and programs for the indigent sector is the main duty of the municipal social welfare and development officer.

The municipal agricultural officer is assigned to facilitates community development thru: agri-livestock and fishery extension services; Institution building; enterprise development; resource management and environmental protection; agri support facilities; agri-livestock and fishery law enforcement; external technical and financial assistance and special projects.



Administration and implementation of the Local Civil Registration Program is the duty assigned to the municipal registrar.

The municipal engineer is entrusted to initiate, review and recommend changes in policies and objectives, plan and program, techniques and produce public works in general of the Local Government Unit concerned. The figure below shows the organizational structure of Alaminos in 2018.

The Local Government Unit of Alaminos has 225 working personnel. Some positions are still vacant.

Table 120. Plantilla and Other Positions in Alaminos, Laguna

	Office of Municipal Mayor		
	Municipal Mayor	Eladio M. Magampon, M.D.	
	Executive Assistant IVo RAYAN	Corseni R. Salcedo	
	p Private Secretary IN	Jomvits C. Aranguren	
	Human Resource Management Officer II	Louella D Fajardo	
	Security Officer II	Sonny P Basan	-
	Drive	an Robert astillo	
	Electrician II	Carlos H. Lagno	- 1
	tility Foreman	Russel G Reyes	1
I	Utility Worker II	Teodulo M. Oseña	
į	Utility Work	Florencio M. Cailao	
	Utility Work	Wilfredo F. Arcega	
	Utility Worker II	alvador C. del Mundo	
	Utility Worker H	Arnel P. Lina	-
	Utility Worker I	Lea G. Cristobal	
	Cemetery Caretaker	Joselyn C. Mitra	
	Utility Worker II	Joel C. Latayan	30%
	Utility Worker I	Vilson D. Hernandez	
Ť	Driver I	Enrique N. Fandiño	
9	Utility Worker II	Dario O. Hatulan	28.3
Ó	MDDRRMO II	Christian V. Sabinosa	
É	MDDRMO ASSISTANT	Irwin Rommel Cosme F. Donag	
1	MDDRMO ASSISTANT	ette Rudly M. Reyes	
	MDDRMO ASSISTANT	Joan M. Agana	XA.

Office of the Vice Mayor Municipal Vice Mayor Ruben D. Alvarez Office of the Sangguniang Bayan Municipal Vice Mayor/ Presiding Officer Ruben D. Alvarez Sangguniang Bayan Member Bernadeth V 7. Alvarez rtemio M. Mamiit Jr. Sangguniang Bayan Member Sangguniang Bayan Member win C. Tolentino Sangguniang Bayan Member Rammel E. Banzuela Sangguniang Bayan Member Sangguniang Bayan Member Gorgonio M. Abrido Sangguniang Bayan Member Candelaria V. Calabia Gorgonio M. Abrigo Sangguniang Bayan Member Sangguniang Bayan Member (ABC President) Lorenzo B. Zuñiga Jr. Nenita D. Flores Bookbinder III Utility Worker I Bella I. Torres Sangguniang Bayan Secretary Nemia N. Monzones

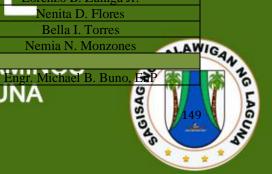
Municipal Planning and Development Office

Municipal Planning and Development Coording

Machine Planning and Development Office

Machine Planning And De

PROVINCE OF LAGUNA REGION IV - A



Clerk II	Karen D. Bicomong
Municipal Treasurer's Office	Taren B. Bromong
Acting Municipal Treasurer	Josefina A. Tolosa
Asst.Mun. Treasurer	Elsa M. Manalo
Local Treasury Operation Officer III	Rowena C. Landicho
Local Treasury Operation Officer II	Amalia R. Belen
Revenue Collection Clerk I	Michael U. Cumpio
Revenue Collection Clerk I	Luwalhati F. Enriquez
Revenue Collection Clerk I	Christopher V. Oseña
Municipal Accounting Office	Christopher V. Oscha
Municipal Accountant	Cirilo M. Mista
Accounting Clerk III	Jose L. Limbo Jr.
Accounting Clerk III	Vermont V. Fandialan
Accounting Clerk II	Andrea Blanca L. Castro
Accounting Clerk II Accounting Clerk II	Ruby M. Roberto
Municipal Assessor's Office	Ruby W. Roberto
Municipal Assessor Municipal Assessor	Eulogio B. Santillan
Assessment Clerk III	Florante A. Gonzales
Assessment Clerk III	Malyne M. Mista
Municipal Budget Office	Marylle IVI. IVIISta
Municipal Budget Officer	Irene O. Banawa
Utility Worker I	Perla L. Castro
Municipal Civil Registrar's Office	
Municipal Civil Registrar	Arlene M. Garachico
Municipal Social Welfare & Development Office	
Municipal Social Welfare & Development Officer	Marissa M. Aguilar
Social Welfare Officer I	Noriddi A. Carreon
Day Care Worker I	Violeta T. Bilo
Day Care Worker I	Marissa M. Escueta
Day Care Worker I	Warrenilda O. Malabanan
Day Care Worker II	Evelyn D. Flores
Day Care Worker II	Alani M. Flores
Social Welfare Aide	Josephine T. Jordan
Rural Health Office	
Municipal Health Officer	Victoria Josefa F. Basilan, M.D.
Public Health Nurse	Lelita D. Flores
Midwife III	Nicon D. Castillo
Midwife II	Nellie A. Manalo
Midwife II	Erlinda G. Sanchez
Midwife II	Maricel C. Maglalang
Medical Technologist I	Iralyn M. Robles
Municipal Agriculture's Office	
Municipal Agriculturist	Gladys D. Thompson
Utility Worker I	Godofredo D. Calalo
Municipal Engineer's Office	
Municipal Engineer	Engr. Florentino J. Destacamento
General Services Officer	
Mun. Government Department Head I GSO	Juanita B. Rivera

Source: HRMO, 2019

As of 2019, there are 225 personnel in the Municipality of Alaminos of which 77 or 34% are permanent positions, 35 or 16% are casual, 113 or 50% are temporary or under Contract of Service (COS) and five (5) for vacant positions. The Office of the Mayor has the biggest number of personnel comprising of 93 employees or 41%, followed by the Sangguniang Bayan with 28 employees or 12%, and third is the Municipal Social Welfare and Development Office with 19 employees or 8%. The Office of the Mayor has the highest of

temporary positions or COS. The Department/s with the lowest number of employees is the Municipal Budget office with one (1) permanent employee and two (2) temporary positions.

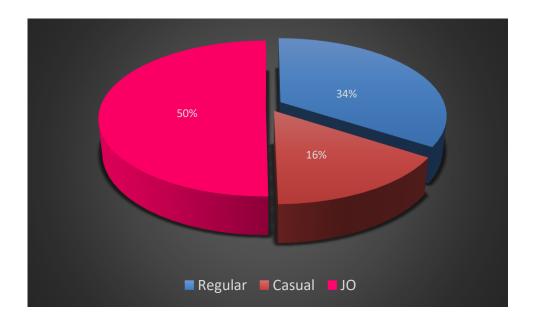


Figure 11. Employment Status of Alaminos' Staff and Personnel

Local Government Councils, Committees and Boards

Local Development Council

The development planners of the municipality make up the deliberative body which is the Local Development Council (LDC) and the ultimate policy making body which is the Sangguniang Bayan (SB). These two bodies are composed of the local politicians being provided with technical support by the Municipal Planning and Development Office (MPDC). The MPDC serves as the Secretariat to the Local Development Council and acts as a coordinator for the activities of the different sectoral or functional committees as well as the Barangay Development Councils. In accordance to the mandate of the Local Government Code Sec. 109, the LDC is supposed to form create sectorial and functional committees as well as the Barangay Development Councils which assist them to perform their functions.

Section 109 of the Local Government Code on the Local Development Councils mandates provincial, city, and municipal development councils with the following functions: (1) Formulate long-term, medium-term, and socio-economic development plans and policies; (2) Formulate the medium-term and annual public investment programs; (3) Appraise and prioritize socio-economic development programs and projects; (4) Formulate local investment incentives to promote the inflow and direction of private investment capital; (5) Coordinate, monitor, and evaluate the implementation of development programs and projects; and (6) Perform such other functions as may be provided by law or component authority. The composition of the Local Development Council of Alaminos is presented below.

Table 121. Composition of Local Development Council of Alaminos, Laguna

Council Composition		
Eladio M. Magampon, M.D.	Municipal Mayor	
Hon. Bernadeth V. Alvarez	SB Member Committee on Appripriations	
Hon. Mexico A. Villanueva	Brgy. Chairman – Poblacion I	
Hon. Angelo S. Oba	Brgy. Chairman –Poblacion II	
Hon. Romeo Anuran	Brgy. Chairman – Poblacion III	
Hon. Billy M. Bautista	Brgy. Chairman – Poblacion IV	
Hon. Gregorio L Berto	Brgy. Chairman – San Agustin	
Hon. Isagani M. Estinor	Brgy. Chairman –San Andres	
Hon. Cesar S. Villanueva	Brgy. Chairman – San Benito	
Hon. Eduardo R. Briz	Brgy. Chairman – Del Carmen	
Hon. Urbano M. Balog	Brgy. Chairman – San Gregorio	
Hon. Lorenzo B. Zuniga	Brgy. Chairman – San Ildefonso	
Hon, Rony H. Pujares	Brgy. Chairman – San Juan	
Hon. Mars V. Libang	Brgy. Chairman – San Miguel	
Hon. Eustaquio A. Abril	Brgy. Chairman – San Roque	
Hon. Victor L. Mitra	Brgy. Chairman – Palma	
Hon. Gregoria M. Catipon	Brgy. Chairman – Sta. Rosa	
Mr. Amado Basil	Representative of the Congresswoman	
CSO Representatives		
Ms. Norridi Carreon	AGE-MPC	
Mr. Rocel Macasaet	SNEAKY COMM Phil	
Mr. Marvin Villanueva	ACSJ (TODA)	
Mr. Ricky S. Oba	SIKLAB	
Mr. Jessie G. Lorilla	ALAMINOS BIKERS CLUB INC.	
Ptr. Rudy Manzano	SOFFT	
Mr. Daryl Villanueva	PARISH YOUTH MOVEMENT	
Mr. Audie Avecilla	MAFC, President	

Source: MPDO, 2019

The formation Executive Committee is optional pursuant to Executive Order 319. However, the LGC mandates each MDC to form an executive committee which shall function as the highest government body when the council is not in session. The executive committee shall follow the composition as per the LGC and will have powers and functions which serves, basically as the implementing arm of the LDC.

The LDC is required by both the LGC and E.O. 319 to have a secretariat which provides the technical support, to document proceedings and to prepare reports for the council. According to Section 113, the MDC may avail the services of NGOs/educational or research institutions. The secretariat, under the Code, headed by the Municipal Planning and Development Coordinator, shall provide such assistance as per the requirement of the council to perform its functions.

Barangay Development Council

Under Sec. 109, as previously highlighted, of the Local Government Code (R.A. 7160), the Barangay Development Council's role is also outlined: (1) Mobilize people's participation in local development efforts; (2) Prepare barangay development plans based on local requirements; (3) Monitor and evaluate the implementation of national or local programs and projects; and (4) Perform such other functions as may be provided by law or competent authority.

The Sangguniang Barangay (Barangay Development Council) is the legislative body of the barangay composed of the punong barangay as the presiding officer, the seven (7) Sangguniang Barangay members elected at large, and the Sangguniang Kabataan Chairman.

The Sangguniang Barangay is mandated to have 24 powers, duties and functions as per Section 391 of the Code.

There are 15 barangays in the Alaminos, namely: Poblacion 1, Poblacion 2, Poblacion 3, Poblacion 4, Del Carmen, Palma, San Agustin, San Andres, San Benito, San Gregorio, San Ildefonso, San Juan, San Miguel, San Roque and Sta. Rosa.

Local Special Bodies and Local Committees

The LGU also have local special bodies which supports the mandated duties and responsibilities and these local special bodies are semi-autonomous composed of NGOs and concerned sectors within the community. The local special bodies, generally, are given the task to formulate policy recommendations for the guidance of the Sangguniang Bayan. Within the municipal government, there is also the local committees which are all considered as local special bodies within Alaminos.

The following councils are the local special bodies created in Alaminos Laguna as composed of representatives from sectors including private and public organizations.

Local School Board

Section 98 of Local Government Code (R.A. 7160) mandates there shall be established in municipality a municipal school board who shall (1) determine, in accordance with the criteria set by the Department of Education, Culture and Sports, the annual supplementary budgetary needs for the operation and maintenance of public schools municipality, and the supplementary local cost of meeting such needs, which shall be reflected in the form of an annual school board budget corresponding to its share in the proceeds of the special levy on real property constituting the Special Education fund and such other sources of revenue as RA 7160 and other laws or ordinances may provide; (2) authorize the municipal treasurer to disburse funds from the Special Education fund pursuant to the budget prepared and in accordance with existing rules and regulations; (3) serve as an advisory committee to the Sanggunian concerned on educational matters such as, but not limited to, the necessity for and the uses of local appropriations for educational purposes; and (4) recommend changes in the names of public schools within the territorial jurisdiction of the local government unit for enactment by the Sanggunian concerned.

Table 122. Composition of the Local School Board in the Municipality of Alaminos, Laguna

Civil Society Organizations	
Hon. Eladio M. Magampon M.D, Municipal Mayor	Chairperson
Ms. Editha V. Rana, DEPED-District Supervisor	Co-Chairperson
Hon. Gorgonio M. Abrigo, SB Chairman on Committee on Education	Member
Ms. Jacklyn Villanueva, President, SK Federation	Member
Dr. Santiago F. Failago, JR.MED. D., Principal III, Alaminos integrated National	Member
High School	
Ms. Glenda Castro, President, Municipal Federation of Parent-Teacher Associations	Member
Ms. Janine Monterola, President, Alaminos District Teachers Association (ADTA)	Member
Ms. Mary Jane Miciano, Reresentative, Non-Teaching Personnel	Member
Ms. Annaliza Lorenzana, SECRETARY	Member
PERMANENT OBSERVERS:	
Engr. Michael B. Buno, Enp.	MPDC
Engr. Florentino J. Destacamento	Municipal
	Engineer
Ms. Irene O. Banawa	Municipal
	Budget officer
Mr. Cirilo M. Mista	Municipal

Accountant

Source: MPDO, 2019

Local Health Board

Under Section 102 of the Local Government Code (RA 7160), every municipality shall establish a Local Health Board with the following functions: (1) To propose to the Sanggunian concerned, in accordance with standards and criteria set by the Department of Health, annual budgetary allocations for the operation and maintenance of health facilities and services within the municipality; (2) To serve as an advisory committee to the Sanggunian concerned on health matters such as, but not limited to, the necessity for, and application of, local appropriations for public health purposes; and (3) Consistent with the technical and administrative standards of the Department of Health, create committees which shall advise local health agencies on matters such as, but not limited to, personnel selection and promotion, bids and awards, grievances and complaints, personnel discipline, budget review, operations review and similar functions.

Table 123. Local Health Board in the Municipality of Alaminos, Laguna

Civil Society Organizations	
Hon. Eladio M. Magampon M.D, Municipal Mayor	Chairperson
Dra. Victoria Josefa F. Basilan, MHO	Vice
	Chairperson
Hon. Morris Matibag, SB Chairman on Committee on Health and Sanitation	Member
Dr. Divina Antonio, Department of Health Representative	Member
Ms. Anabel Maghirang, Brgy. Health Worker President	Member

Source: MPDO, 2019

Local Peace and Order Council

Executive Order No. 739, Series of 2008 by the President of the Philippines orders the reorganization of the Municipal Peace and Order Council (MPOC) with the Mayor as Chairman and the Vice Mayor as Vice Chairman. In addition, there shall be one representative or Sangguniang Bayan to be chosen by the said Sanggunian from among its members. The Chairman of the MPOC shall appoint the three (3) representatives from the private sector, upon consultation with the members of the Council and with the approval of the Brigade Commander and the Regional Director of the Philippine National Police. MPOC shall have the following duties and functions: (1) Provide a forum for dialogue and deliberation of major issues and problems affecting peace and order, including insurgency; (2) Recommend measures which will improve or enhance peace and order and public safety in their respective areas of responsibility, including anti-insurgency measures; (3) Initiate and/or oversee the convergence and the orchestration of internal security operations efforts of civil authorities and agencies, military and police; (4) Apply moral suasion to and/or recommend sanctions against local chief executives who are giving material and political support to the Communist rebels; (5) Monitor the provision of livelihood and infrastructure development programs and projects in the remote rural and indigenous population areas adopted to isolate them from the Communist rebels' "Agitate/Arouse, Organize and Mobilize" and ideological, political and organization works; and (6) Perform all other functions assigned by law, the President or the National Peace and Order Council.

Table 124. Composition of The Municipal Peace & Order Council (MPOC)

Civil Society Organizations	Year
	Accredited
Hon. Eladio M. Magampon M.D, Municipal Mayor	Chairperson
PCPT. Serafin T. Gapunuan, Municipal Chief of Police	Vice Chairman
F/S Insp. Joel A. Elefante, Municipal Fire Marshal	Member
Hon.Darwin C. Tolentino, SB Committee Chairman on Peace and Order	Member
Ms. Josefina A. Tolosa, Acting Municipal Treasurer	Member
Dra. Victoria Josefa F. Basilan, MHO	Member
Mr. Christian V. Sabinosa, MDDRMO MENRO Designate	Member
Ms. Marissa M. Aguilar, MSWD	Member
Ms. Irene O. Banawa, Municipal Budget Officer	Member
Ms. Gladys D. Thompson, Municipal Agriculturist	Member
Hon. Lorenzo B. Zuñiga, Liga ng mga Barangay President	Member
Ms. Editha V. Rana, DEPED-District Supervisor	Member
Mr. Rocel Macasaet, SNEAKY	Member
Mr. Rony Pujanes, KABALIKAT	Member
Ptr. Rodrigo P. Manzano, SOFFT, Inc.	Member

Source: MPDO, 2019

People's Law Enforcement Board (PLEB)

Pursuant to the R.A. 6975 of 1990, there shall be PLEB established by the sangguniang panlungsod/bayan in every city and municipality. Thus, PLEB shall have jurisdiction to hear and decide citizen's complaints or cases filed before it against erring officers and members of the PNP. Members of the PLEB are (1) any member of the sangguinang panlungsod/bayan chosen by his respective sanggunian, (2) any barangay captain of the city or municipality concerned by the association of barangay captain and (3) three other members who shall be chosen by the peace and order council from among respected members of the community known for their probity and integrity, and one (1) of whom must be a member of the Bar or, in the absence thereof, a college graduate, or the principal of the central elementary school in the locality.

Table 125. People's Law Enforcement Board Composition

Board Composition	
LLB/MPA. William Duldulao, Member of the Community	Chairman
Hon. Darwin Tolentino, Member, Sangguniang Bayan	
Hon. Gorgonio L. Berto, Member, Liga ng mga Barangay	Members
Bonifacia M. Cachero, Women's Sector	
Ptr. RodrigoP. Manzano, Professional/Religious Sector	
Ms. Marlene J. Latayan Secretariat	

Source: MPDO, 2019

Local Finance Committee / Local Public Financial Management Team

Unlike Local Special Bodies (LSB) where NGOs are represented, the Local Finance Committee (LFC) is purely composed of local government executives. Under Section 316 of the Local Government Code, the mandate of the LFC is composed of the local planning and development coordinator, the local budget officer, and the local treasurer. The LFC assists the

Local Chief Executive who is also considered as the Chief Fiscal Planner in the budget preparation.

The functions of the LFC are as follows:

- 1. Determines the income reasonably projected as collectible for the ensuing year;
- 2. Recommends the appropriate tax and other revenue measures or borrowings which may be appropriated to support the budget;
- 3. Recommends to the local chief executive concerned level of the annual expenditures and the ceilings of spending for economic, social and general services based on the approved local development plans; Recommends to the local chief executive concerned the proper allocation of expenditures for each development activity between current operating expenditures for each development activity between current operating expenditures and capital outlay;
- 4. Recommends to the local chief executive concerned the amount to be allocated for capital outlay under each development activity or infrastructure project;
- 5. Assists the Local Sanggunian in the review and evaluation of the budget of component cities and municipalities, in the case of city or municipal finance committee, and recommends the appropriate action thereon;
- 6. Assists the Local Sanggunian concerned in the analysis and review of annual regular and supplemental budgets of the respective local government units to determine compliance with statutory and administrative requirements; and
- 7. Conducts semi-annual review and general examination of costs and accomplishments against performance standards applied in undertaking development projects.

The LFC was expanded to include the following: Mayor, Sangguniang Bayan, Planning Coordinator, Municipal Treasurer, Budget Officer, Accountant, and Assessor. The expanded LFC includes the Assessor due to its key role in the improvement of the real property tax collection. The Municipal Government recognizes the need to create an appropriate fiscal structure for its current status through the installation of a system of internal auditing to achieve financial soundness.



Figure 12. Local Finance Committee / Local Public Financial Management Team Organizational Structure

Bids and Awards Committee

In all stages of the procurement process (as per Section 13, R.A. 9184), the Municipal Bids and Awards Committee (MBAC) with the representative from the Commission on Audit (COA), and at least two (2) observers [two observers include: 1 from a duly recognized private group from a relevant discipline or sector to the procurement process and another from a non-government organization (NGO)] were invited by the MBAC to the proceeding.

Table 126. Bids and Awards Committee Composition

Composition	
Arlene M. Garachico	Chairperson
Corseni R. Salcedo	Vice Chairperson
Irene O. Banawa	Regular Member

Engr. Florentino J. Destacamento	Regular Member
Engr. Michael B. Buno	Regular Member
Gladys D. Thompson	Regular Member

Source: Office of the Municipal Mayor, 2019

Municipal Disaster Risk Reduction Management Committee

Persuant to the local E.O. No. 21 of 2017, "Reorganization of Municipal Disaster Risk Reduction and Management Council (MDRRMC)" reconstructing members of the said council. This committee take charge during a disaster or calamity hit the municipality or in areas that will at risk of damage.

Table 127. Composition of the Municipal Disaster Risk Reduction and Management Council

of Alaminos, Laguna

Committee Composition		
Eladio M. Magampon, M.D.	Chairman/ Municipal Mayor	
Mr. Christian V. Sabinosa	MDRRMO II	
Dra. Victoria F. Basilan	Municipal Health Officer	
Mrs. Gladys D, Thompson	Municipal Agriculturist/ Veterenary Officer	
Engr. Florentino J, Destacamento	Municipal Engineer	
Mrs. Irene O. Banawa	Municipal Budget Officer	
Ms. Editha V. Rana	DepEd District Supervisor	
Ms. Eden C. Gesmundo	MGLOO/DILG	
PCPT. Glenn DR Cuevas	Municipal Chief of Police	
FSINSP. Joel A. Elefante	Municipal Fire Marshall- OIC	
Hon. Lorenzo B. Zuniga Jr.	Liga ng mga Barangay	
NGO Representative		
Sammy Buiser	Police HotLine	
Arwin Belen	SNEAKY	
Allan Armando	KABALIKAT CIVICOM	
Gaspar Agbalate (oic President)	Redcross Alaminos Chapter	
Abegail Maghirang (Relationship Manager)	MERALCO	

Source: Office of the Municipal Mayor, 2019

Other Local Councils / Committees

Municipal Water and Sanitation Council

The national government has SALINTUBIG Program which aims to contribute to the attainment of the goals stated in the Philippines Development Plan 2011 – 2016, the Millennium Development Goals (MDG), and the Philippines Water Supply Sector Roadmap (PWSSR) and the Philippine Sustainable Sanitation Roadmap (PSSR) whereas grant financing and capacity development programs, under the program aim to increase access to water and sanitation services in target areas and improve capacities of the LGUs and water service providers in planning, implementation, and operation and management of water supply facilities in a sustainable manner. Moreover, there is a need to provide proper policies for the smooth operation and management of the water system project.

Table 128. Composition of Municipal Water and Sanitation Council in Alaminos, Laguna

Council Composition	
Eladio M. Magampon, M.D., Municipal Mayor	Chairman
Lorelei M. Pampolina, SB Member/ Chairman, Appropriations Committee	Member
Engr. Florentino J. Destacamento, Municipal Engineer	Member
Engr. Michael B. Buno, EnP, MPDO	Member
Cirilo M. Mista, Municipal Accountant	Member
Josefina A. Tolosa, Municipal Treasurer	Member

Irene O. Banawa, Municipal Budget Officer	Member
Leandro S. Dancil, DILG-MLGOO	Member

Source: MPDO, 2019

Local Poverty Reduction Action Team (LPRAT)

Pursuing the of the Millennium Development Goal which is reducing poverty, the national government conducts Grassroots Participatory Budgeting Process (GPBP) which is an strategic action making planning and budgeting more participatory through the genuine involvement of the grassroots/civil society organizations. The GPBP entails the preparation of the Local Poverty Reduction Action Plan (LPRAP) containing programs, and projects collectively drawn through a participatory process by the LGU and civil society organizations, and which will directly address the needs of the constituencies.

Table 129. Composition of the Local Poverty Reduction Action Team (LPRAT)

Team Composition	
Eladio M. Magampon, M.D., Municipal Mayor	Chairperson
Olver Fandiño, CSO Representative	Co-Chairperson
Melissa Sabud, 4Ps	
Hon.Bernadeth V. Alvarez, SB Comm. Finance, Budget and Appropriation	
Engr. Michael B. Buno, EnP, MPDO	
Gladys Thompsom, Municipal Agriculturist	
Ms. Marissa M. Aguilar, MSWDO/PESO	
Engr. Florentino Destacamento, Municipal Engineer	
Irene O. Banawa, Municipal Budget Officer	
Cirilo M, Mista, Municipal Accountant	
Dra. Victoria Josefa F. Basilan, MHO	
Ms. Josefina A. Tolosa, Municipal Treasurer	
Ms. Eden C. Gesmundo, MLGOO/ DILG	
Mr. Corseni R. Salcedo, Municipal Administrator	
Ms. Arlene Garachico, MCR	Members
Mr. Ariston Biñas, Representative- SAMAL	Members
Mr. Frederick Belen, Representative- TRISKELION	
Mr. Rudy Manzano, Representative- SOFFT	
Mr. Samuel Bueser, Representative- PHMI	
Ms. Rhodora Agoncillo, Representative- KARESMA	
Ms. Erlinda Larioque, Representative- HOA	
Ms. Emma Abrigo, Representative- LCW	
Ms. Eddie Baldeo, Representative- PWD	
Ms. Virgilio Mendoza, Representative- PGDI	
Mr. Melvin Pujanes, Representative-KABALIKAT	
Ptr. Jimmy Praga, Representative-UAPC	
Reynaldo Alzaga, Representative-AITODA	
Thomas Flores, Representative- ALACCO	

Source: MPDO, 2019

Municipal Committee on Anti-Trafficking and Violence against Women and their Children (MCAT-VAWC)

In order to establish and strengthen local structure that will collaboratively address the problem of trafficking and violence against women and the children, MCAT –VAWC is created. This committee pursues to establish functional parallel structure and system at the

local level which will monitor and oversee implementation of the provision of RAs 9208 and 9262 and other women/VAW related laws and policies. Moreover, the committee aims to increase the capacity of the local partners in developing and implementing culturally appropriate and gender responsive policies.

Table 130. Composition of the Municipal Committee on Anti-Trafficking and Violence

against Women and their Children

Committee	e Composition
Eladio M. Magampon, M.D.	Chairperson
Ms. Marissa M. Aguilar	MSWDO/PESO
Enp. Michael B. Buno	MPDC
Dra. Victoria Josefa F. Basilan	MHO/RHU
Hon.Bernadeth V. Alvarez	SB, Committee on Woman & Family, Social
	Welfare and Development
PCPT. Serafin T. Gapunuan	OIC-PNP
Atty. Gemma T. Gerona	Municipal Judge
NGO Representative :	
PTR. Rodrigo Manzano	SOFFT. INC.
Ms. Rhodora Agoncillo	CSO, President
PTR. Jimmy Praga	UAPC

Source: MPDO, 2019

Municipal Project Monitoring Committee

Executive Order No. 376, series of 1989, mandates the establishment of the Regional Project Monitoring and Evaluation System (RPMES) and setting thereto its objectives, scope and coverage and the formulation of manual of operation in order to facilitate project implementation, problems solving, monitoring and evaluation of foreign, national and locally funded projects at sub-national levels.

Table 131. Composition of the Municipal Project Monitoring Committee

Eladio M. Magampon, M.D., Municipal Mayor	Chairperson
EnP.Michael Buno, MPDC	Secretariat
Ms. Eden C. Gesmundo	
Hon.Bernadeth V. Alvarez, SB Chairman ,Committee on Finance	
Ms. Josefina A. Tolosa, Municipal Treasurer	Members
Engr. Florentino J. Destacamento, Municipal Engineer	
Ms. Irene O. Banawa, Municipal Budget Officer	
Mr. Cirilo M. Mista, Municipal Accountant	
Ms. Gladys D. Thomson, Municipal Agriculturist	
Ptr. Rodrigo P. Manzano, NGO Representative SOFFT	
Hon. Eustaquio A. Abril, MDC Representative Brgy. Chairman San Roque	
Hon. Urbano M. Balog, MDC Representative Brgy. Chairman San Gregorio	
Hon. Romeo B. Anuran, MDC Representative Brgy. Chairman, Brgy.III	
Hon. Cesar S. Villanueva, MDC Representative Brgy. Chairman, San Benito	

Source: MPDO, 2019

Local Inter-Agency Council (LIAC) for Informal Settlers

Republic Act 7279 also known as "Urban Development and Housing Act of 1992" declares that the state shall undertake, in cooperation with the private sector, a comprehensive and continuing Urban Development and Housing program and that Local Government Units shall be in charge of the implementation of the said program by providing the relocation and

settlement sites. Moreover, it provides for the preparation and implementation by the Local Government Units (LGUs) of the Comprehensive Land Use Plans (CLUPs) pursuant to the Local Government Code of 1991.

Table 132. Composition of the Local Inter-Agency Council (LIAC) for Informal Settlers

Council Compos	sition
Hon. Eladio M. Magampon, M.D (Municipal Mayor)	Chairman
Hon. Gorgonio M. Abrigo	SB Committee on Land Use/ Housing and Land Utilization
Hon.Bernadeth V. Alvarez	SB Committee on Social Welfare and ommunity Development
Mrs. Marissa M. Aguilar	MSWDO
Mr. Corseni R. Salcedo	Municipal Administrator
EnP. Michael B. Buno	MPDC
Mr. Christian V. Sabinosa	MENRO
Ms. Eden C. Gesmundo	MLGOO
Ms. Melissa Sabud	CSO/ President 4 P's

Source: MPDO, 2019

Social Protection Team

Chapter 8 of the Philippine Development Plan (PDP) 2011-2016, Social Development consider social protection as one of the strategies to achieve the goal of reducing poverty and promoting inclusive growth and equitable access to quality basic social services, especially by the poor and vulnerable. Thus, Section 7 of the Executive Order No, 43 Series of 2012 provides that Human Development and Poverty Reducing Cluster as a part of the organized cabinet clusters shall pursue the goal of increasing social and engaging communities in their own development.

Table 133. Social Protection Team Composition in Alaminos, Laguna

Composition	and Clusters
Eladio M. Magampon, M.D., Municipal Mayor	Chairman
Hon. Ruben D. Alvarez, Municipal Vice Mayor	Vice Chairman
Marissa M. Aguilar, MSWDO	Member
Engr. Michael B. Buno, EnP	Member
Individual Life Cycle Cluster	
Dra. Victoria Josefa F. Basilan	Cluster Head
Editha V. Rana	Co-Cluster Head
Marissa M. Aguilar	Member
Economic Team Cluster	
Gladys D. Thompson	Cluster Head
Engr. Michael B. Buno, EnP	Co-Cluster Head
Marissa M.Aguilar	Member
Environment and Disaster Cluster	
Marissa M. Aguilar	Cluster Head
Necitas B. Sarmiento	Co-Cluster Head
Gladys D. Thompson	Member
Social and Governance Cluster	
Leandro S. Dancil	Cluster Head

Source: MPDO, 2019

Alaminos Manila Bay Team

The Supreme Court dated 18 December 2008 and Supreme Court En Banc Resolution dated February 15, 2011 in GR Nos. 171947-48 re: manila Bay Clean Up, Rehabilitation and Preservation ordered the Department of the Interior and Local Government (DILG), among

other national government agencies, to spearhead the clean-up, rehabilitation and preservation of the Manila Bay.

The decision directed the DILG to order all the Mayors in the Laguna Province, among others, the inspection of all factories, commercial establishments and private homes along the banks of major river systems and other minor rivers and waterways that eventually discharge water in Manila Bay and the land abutting it to determine whether they have waste water treatment facilities or hygienic septic tanks as prescribed by existing laws, ordinances, rules and regulations. And for a systematic way of carrying out inventory, inspection and monitoring activities, all concerned local government authorities are advised to organize a Local Government Unit Manila Bay Team.

Table 134. Alaminos Manila Bay Team Composition

Team Compositio	n
Eladio M. Magampon, M.D., Municipal Mayor	Chairman
Hon. Gorgonio M. Abrigo	SB Chairman, Committee on
	Environment
Mr. Christian V. Sabinosa	Manila Bay LGU Focal Person
	MDRRMO, MENRO-
	Designated
Mr. Corseni R. Salcedo	Municipal Administrator-
	Designated
EnP. Michael B. Buno	MPDC
Ms. Gladys D. Thompson	Municipal Agriculturist
Engr. Florentino J. Destacamento	Municipal Engineer
Dra. Victoria Josefa F. Basilan	Municipal Health Officer
Marissa M. Aguilar	Municipal Social Welfare and
	Development Officere
Ms. Juanita B. Rivera	GSO
Ms. Rowena C. Landicho	LTOO III
Ms. Leisurely A. Banzuela	Sanitary Inspector
Engr. Emiliano Castillo	General Manager
Hon. Lorenzo b. Zuñiga	Liga ng mga Barangay
Hon. Jacklyn Villanueva	Representative, Youth Sector
	SK Federation President
Ms. Joan D. Gapiangao	Data Encoder- MENRO Staff

Source: MPDO, 2019

Local Housing Board

Republic Act 7279, also known as the Urban Development & Housing Act (UDHA) of 1992 mandates as a state policy on the improvement of the conditions of the underprivileged and homeless citizens in the urban areas and in resettlement areas by making available to them decent and affordable housing, basic services and employment opportunities. In addition, considering the vastness of the problems and needs of the informal settlements for housing in the municipality there is a need to expand powers and function of Alaminos Local Housing Board.

Table 135. Local Housing Board Composition in Alaminos, Laguna

Tubic 155. Local Housing Board Composition in Thammos, Laguna	
Board Composition	
Eladio M. Magampon, M.D., Municipal Mayor	Chairperson
Hon.Gorgonio M. Abrigo, SB Chairman on Committee on Housing and Land	
Utilization	Members
Hon. Bernadeth V. Alvarez, SB Chaiman on Committee on Social Welfare and	Members
Development Officer	

Ms. Marissa M. Aguilar, Municipal Social Welfare and Development Officer	
Eulogio B. Santillan, Municipal Assessor	
Engr. Florentino J. Destacamento, Municipal Engineer	
Engr. Michael B. Buno, EnP, Municipal Planning and Development Coordinator	
Mrs. Gladys D. Thompson, Municipal Environmental and Natural Resources	
Officer	
Ms. Arlene M. Garachico, Municipal Civil Registrar,	
Mr. Eduardo Del Rosario, Secretary	
Housing and Urban Development Coordinating Council (HUDCC)	
Elizabeth Rustila, LINGAP Alaminos HOA, NGO Representative	

Source: MPDO, 2019

Internal Audit System

The Local Government Code Section 3 states the "There shall be established in every local government unit an accountable, efficient, and dynamic organizational structure, and operating mechanisms that will meet the priority needs and service requirements of the communities." Likewise, pursuant to the Administrative Order (AO) 70, dated 14 April 2003 which directs all Heads of Department and Agencies of Executive branch, including GOCCs/GFIs, SUCs and LGUs to strengthen their respective internal control systems (ICS) and establish an Internal Audit Service/Unit (IAS/IAU) in the offices concerned.

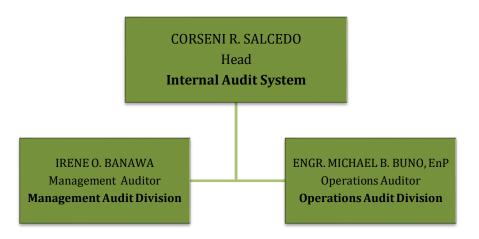


Figure 13. Internal Audit System Organizational Structure

Gender and Development (GAD) Focal Point System (GFPS)

Section 36 (b) of the Republic Act 9710 or also known as Magna Carta of Women, mandates the creation and/or strengthening of the Gender and Development (GAD) Focal Point System or similar GAD mechanism in all departments, including their attached agencies, bureaus, states, universities and colleges, government-owned and controlled corporation, local government units, and other government instrumentalities to catalyse and accelerate gender mainstreaming within agency or local government unit.

Table 136. Gender and Development (GAD) Focal Point System (GFPS) Team Composition

Executive Committee	
Eladio M. Magampon, M.D., Municipal Mayor	Honorary Chairperson
Hon. Candelaria V. Calabia, GAD Focal Person/ SB,	Chairperson
Committee on Privileges and Ordinances	
Ms. Marissa M. Aguilar, MSWDO	
Hon. Morris Albert S. Matibag, SB Chairman, Committee on	
Health & Sanitaion	
Hon. Bernadeth V. Alvarez, SB Chaiman on Committee on	

Social Welfare and Development Officer		
EnP. Michael B. Buno, MPDC	Member	
Dra. Victoria Josefa F. Basilan, MHO	TVICINIOCI	
Ms. Irene O. Banawa, Municipal Budget Officer		
Ms. Josefina A, Tolosa, Municipal Treasurer		
Mr. Cirilo M. Mista, Municipal Accountant		
Ms. Nemia B. Monzones SB Secretary		
Mrs. Gladys D. Thompson, Municipal Environmental and		
Natural Resources Officer		
Ms. Arlene M. Garachico, Municipal Civil Registrar,		
Engr. Florentino J. Destacamento, Municipal Engineer		
Mr. Eulogio B. Santillan, Municipal Assessor		
Ms. Juanita B. Rivera, General Services Officer		
Ms. Eden C. Gesmundo, MLGOO		
Ms. Eden C. Gesmundo, MLGOO SPO3 Jean Ebron, PNP-Women's Desk Officer		
·		
·		
SPO3 Jean Ebron, PNP-Women's Desk Officer	Chairperson	
SPO3 Jean Ebron, PNP-Women's Desk Officer Technical Working Group		
SPO3 Jean Ebron, PNP-Women's Desk Officer Technical Working Group Hon. Candelaria V. Calabia, GAD Focal Person/ SB, Committee on Privileges and Ordinances Ms. Marissa M. Aguilar, MSWDO	Chairperson Members	
SPO3 Jean Ebron, PNP-Women's Desk Officer Technical Working Group Hon. Candelaria V. Calabia, GAD Focal Person/ SB, Committee on Privileges and Ordinances Ms. Marissa M. Aguilar, MSWDO Hon. Bernadeth V. Alvarez, SB Chaiman on Committee on		
SPO3 Jean Ebron, PNP-Women's Desk Officer Technical Working Group Hon. Candelaria V. Calabia, GAD Focal Person/ SB, Committee on Privileges and Ordinances Ms. Marissa M. Aguilar, MSWDO Hon. Bernadeth V. Alvarez, SB Chaiman on Committee on Social Welfare and Development Officer		
SPO3 Jean Ebron, PNP-Women's Desk Officer Technical Working Group Hon. Candelaria V. Calabia, GAD Focal Person/ SB, Committee on Privileges and Ordinances Ms. Marissa M. Aguilar, MSWDO Hon. Bernadeth V. Alvarez, SB Chaiman on Committee on Social Welfare and Development Officer Hon. Morris Albert S. Matibag, SB Chairman, Committee on		
SPO3 Jean Ebron, PNP-Women's Desk Officer Technical Working Group Hon. Candelaria V. Calabia, GAD Focal Person/ SB, Committee on Privileges and Ordinances Ms. Marissa M. Aguilar, MSWDO Hon. Bernadeth V. Alvarez, SB Chaiman on Committee on Social Welfare and Development Officer Hon. Morris Albert S. Matibag, SB Chairman, Committee on Health & Sanitaion		
SPO3 Jean Ebron, PNP-Women's Desk Officer Technical Working Group Hon. Candelaria V. Calabia, GAD Focal Person/ SB, Committee on Privileges and Ordinances Ms. Marissa M. Aguilar, MSWDO Hon. Bernadeth V. Alvarez, SB Chaiman on Committee on Social Welfare and Development Officer Hon. Morris Albert S. Matibag, SB Chairman, Committee on Health & Sanitaion EnP. Michael B. Buno, MPDC		
SPO3 Jean Ebron, PNP-Women's Desk Officer Technical Working Group Hon. Candelaria V. Calabia, GAD Focal Person/ SB, Committee on Privileges and Ordinances Ms. Marissa M. Aguilar, MSWDO Hon. Bernadeth V. Alvarez, SB Chaiman on Committee on Social Welfare and Development Officer Hon. Morris Albert S. Matibag, SB Chairman, Committee on Health & Sanitaion EnP. Michael B. Buno, MPDC Dra. Victoria Josefa F. Basilan, MHO		
SPO3 Jean Ebron, PNP-Women's Desk Officer Technical Working Group Hon. Candelaria V. Calabia, GAD Focal Person/ SB, Committee on Privileges and Ordinances Ms. Marissa M. Aguilar, MSWDO Hon. Bernadeth V. Alvarez, SB Chaiman on Committee on Social Welfare and Development Officer Hon. Morris Albert S. Matibag, SB Chairman, Committee on Health & Sanitaion EnP. Michael B. Buno, MPDC Dra. Victoria Josefa F. Basilan, MHO Ms. Irene O. Banawa, Municipal Budget Officer		
SPO3 Jean Ebron, PNP-Women's Desk Officer Technical Working Group Hon. Candelaria V. Calabia, GAD Focal Person/ SB, Committee on Privileges and Ordinances Ms. Marissa M. Aguilar, MSWDO Hon. Bernadeth V. Alvarez, SB Chaiman on Committee on Social Welfare and Development Officer Hon. Morris Albert S. Matibag, SB Chairman, Committee on Health & Sanitaion EnP. Michael B. Buno, MPDC Dra. Victoria Josefa F. Basilan, MHO Ms. Irene O. Banawa, Municipal Budget Officer Mrs. Gladys D. Thompson, Municipal Environmental and		
SPO3 Jean Ebron, PNP-Women's Desk Officer Technical Working Group Hon. Candelaria V. Calabia, GAD Focal Person/ SB, Committee on Privileges and Ordinances Ms. Marissa M. Aguilar, MSWDO Hon. Bernadeth V. Alvarez, SB Chaiman on Committee on Social Welfare and Development Officer Hon. Morris Albert S. Matibag, SB Chairman, Committee on Health & Sanitaion EnP. Michael B. Buno, MPDC Dra. Victoria Josefa F. Basilan, MHO Ms. Irene O. Banawa, Municipal Budget Officer Mrs. Gladys D. Thompson, Municipal Environmental and Natural Resources Officer		
SPO3 Jean Ebron, PNP-Women's Desk Officer Technical Working Group Hon. Candelaria V. Calabia, GAD Focal Person/ SB, Committee on Privileges and Ordinances Ms. Marissa M. Aguilar, MSWDO Hon. Bernadeth V. Alvarez, SB Chaiman on Committee on Social Welfare and Development Officer Hon. Morris Albert S. Matibag, SB Chairman, Committee on Health & Sanitaion EnP. Michael B. Buno, MPDC Dra. Victoria Josefa F. Basilan, MHO Ms. Irene O. Banawa, Municipal Budget Officer Mrs. Gladys D. Thompson, Municipal Environmental and		

3(2) of the 1987 Philippine Constitution mandates that the State shall defend the right of the children to assistance, including proper care and nutrition, a special protection from all forms of neglect, cruelty, exploitation and other conditions prejudicial to their development. Furthermore, Article 359 of the New Civil Code provides that the government will establish whenever possible Councils for the Protection of Children.

Table 137. Composition of the Council for the Protection of Children

Council Composition	
Eladio M. Magampon, M.D., Municipal Mayor	Chairman
Hon. Ruben D. Alvarez, Municipal Vice Mayor	
Hon. Bernadeth V. Alvarez, SB Chairman on Committee on Social	
Welfare and Community Development	
Hon. Gorgonio M. Abrigo, SB Chairman on Committee on Education	
Marissa M. Aguilar, MSWDO/PESO/MNAO	l
Engr. Michael B. Buno, EnP, MPDO	
Irene O. Banawa, Municipal Budget Officer	Members
Josefina A, Tolosa, Municipal Treasurer	l
Hon. Lorenzo B. Zuñiga Jr.	
Dr. Victoria Josefa F. Basilan, MHO	
Editha V. Rana, DepEd District Supervisor	
Ms. Eden C. Gesmundo MLGOO-DILG	
PCPT. Serafin T. Gapunuan CHIEF OF POLICE-PNP Alaminos	

Ms. Jacklyn A. Villanueva SB member/ SK President	
Mr. Teodulo O. Buiser PTA President	
Violeta T. Bilo, CAPIN Coordinator/DCW	
Pastor Rodrigo Manzano, SOFFT/ERPAT President	
Mr. Rocel Macasaet SNEAKY COMM.	
Mr. Marvin Abu, Sexual Orientation and Gender Identity or Expression	
(SOGIE) Representative	

Source: MPDO, 2019

Municipal Solid Waste Management Board (MSWMB)

Pursuant to the provisions of Section 59 of the R.A No. 9003, and the virtue of the Executive Order No. 192, Series of 1987, the Department of Environment and Natural Resource hereby adopts and promulgates the implementing rules and regulations in the management of the solid and liquid wastes. Thus, Local Government Code of the Philippines (1991) enjoins LGU to enforce sanitation laws, prepare a solid waste management program, and other environmental functions.

Table 138. Municipal Solid Waste Management Board Composition in Alaminos, Laguna

Table 138. Mullicipal Solid waste Management Board Composition in Alaminos, Laguna				
Board Composition				
Eladio M. Magampon, M.D., Municipal Mayor	Chairman			
Hon. Gorgonio Abrigo, SB Chairman Committee on				
Environment				
Gladys D. Thompson, MAO/MENRO-Designate				
Marissa M. Aguilar, MSWDO				
Dra. Ma. Victoria F. Basilan, MHO				
Ms. Eden C. Gesmundo, DILG-MLGOO				
EnP. Michael B. Buno, MPDC				
Mr. Christian V. Sabinosa, MDRRMO/ MENRO DESIGNATE				
Juanita B. Rivera, GSO	Members			
Engr. Florentino J. Destacamento, Municipal Engineer				
Hon.Lorenzo B. Zuñiga, Liga ng mga Barangay President				
Hon. Jacklyn Villlanueva, SK Federation President				
Eleazar Lacson, DepEd				
PCPT. Serafin T. Gapunuan, PNP Chief				
Thomas Mariano Flores, Processing Industry (Food Preserves)				
Mars Catan, Processing Industry (Organic Fertilizer)				
Dennis Laurio, Junk Shop/Recycling Sector Representative				

Source: MPDO, 2019

Barangay Officials

The basic political unit in the country are the barangays which serve as the primary planning and implementing unit of the government as per Section 384 of R.A. 7160. The barangays are mandated to plan and implement policies, programs, plans, activities and different projects in the community and also conduct a forum where the collective views of the citizens may be expressed, considered, and validated as well as where disputes may even be settled amicably.

The Punong Barangay is the chief executive of the barangay level government, which entails the exercise of power and performance of duties and functions as mandated by the Local Government Code and other laws. According to Section 16 of the LGC, the Punong Barangay performs 15 functions and one of it is ensuring the general welfare of the barangay and its inhabitants for efficient, effective and economical governance. Another function of the Punong Barangays is to serve as the representative of their jurisdiction in the Local

Development Council (LDC). The role of the Punong Barangay or Barangay Chairman is to coordinate with the Barangay Development Council to prepare the annual and supplemental budgets for the barangay as per Section 289 of R.A. 7160.

Table 139. Barangay Chairpersons of Alaminos, Laguna

Barangay	Barangay Chairman
Poblacion 1	Mexico A. Villanueva
Poblacion 2	Angelo S. Oba
Poblacion 3	Romeo B. Anuran
Poblacion 4	Billy M. Bautista
San Benito	Cesar S. Villanueva
San Agustin	Gregorio L. Berto
Del Carmen	Eduardo R. Briz
San Juan	Rony H. Pujanes
Sta. Rosa	Gregoria M. Catipon
San Gregorio	Urbano M. Balog
San Ildefonso	Lorenzo B. Zuñiga Jr
Palma	Victor L. Mitra
San Andres	Isagani M. Estinor
San Miguel	Mars V. Libang
San Roque	Eustaquio Abril

Source: MPDO, 2019

National Government Agency Representatives

Support from national government is essential for better function of the municipality. Listed below are the agencies working together with the other local offices. These offices cater additional services. Refer to Table 140 for the list of national agencies and the respective officers.

Table 141. National Government Agencies working in the Alaminos, Laguna

Agency	Officer
Department of Local and Interior Government	Eden S. Gesmundo
Philippine National Police	Serafin T Gapunuan
Department of Trade and Industry Negosyo Center	Adrimar A. Adriano – Business Counsellor
Bureau of Fire Protection	Melvin R Buenaventura
Commission on Election	Danilo P. Cartagena – Election Officer III
Commission on Audit	Jocelyn P. Sulivas

Source: MPDO, 2019

B. Local Finance Administration

Income

The Municipality of Alaminos from 2015 to 2018 posted a respectable growth rates, 2015 to 2016: 11.21 percent, 2016 to 2017: 17 percent, and 2017 to 2018: 10 percent, in the LGUs' total income.

The internal revenue contributes the highest share in the total income of the municipality ranging from 71 to 74 percent, followed by business taxes, real property taxes, and permit taxes. In terms of its overall revenue collected, the municipality showed an increase from 2015 to 2018, this increase is attributed to a more efficient business taxes, real property taxes, and permit taxes collection system, and the development of the area. Refer to Table 143 for a more detailed information on the municipality's income profile.

Table 142. Income profile of Alaminos, Laguna from 2015 to 2018

Particulars				
	2015	2016	2017	2018
Income				
General Income				
Dividend Income				
Interest Income	710,869.46	667,090.73	933,298.06	703,692.90
Share from PAGCOR	969,532.13	1,028,789.33	1,389,081.31	1,169,699.87
Total General Income	1,680,401.59	1,695,880.06	2,322,379.37	1,873,392.77
Tax Revenue			, ,	,
Real Property tax				
Real Property Tax-CY	4,500,725.74	4,516,061.09	5,134,712.85	5,312,957.89
Real Property Tax-Prev Year	436,357.86	731,239.61	2,516,784.86	1,350,182.66
Real Property Tax-Penalties	284,447.37	726,890.19	679,977.01	495,998.20
Taxes in Goods and Services				
Business Taxes	10,136,438.01	11,553,597.87	14,974,116.05	17,577,972.41
Franchising and Licensing	29,500.00	22,500.00	84,950.00	158,437.50
Fee				
Other Taxes				
Community Taxes	846,134.84	904,514.83	1,004,468.92	1,090,086.83
Internal Revenue Shares	81,176,971.00	89,501,119.00	102,375,954.00	109,863,370.00
Misc. Others	860,828.06	1,210,561.33	793,479.94	5,797,893.51
Amusement Tax	442,901.50	412,134.92	417,420.00	533,420.86
Weights and Measures	31,190.00	33,380.00	98,030.00	26,970.00
Total Tax Revenue	98,745,494.38	109,611,998.84	128,079,893.63	142,207,289.86
Other Specific Income				
Garbage Fees	294,642.25	427,990.00	512,205.50	571,626.00
Registration Fees	305,556.00	321,908.80	513,336.00	584,049.00
Permit Fees	1,800,630.87	2,581,583.89	3,275,125.01	3,970,724.50
Clearance\Certification Fees	771,258.99	605,531.09	869,395.00	1,141,006.50
Fines and Penalties	191,620.57	449,147.05	269,774.62	208,908.18
Total Other Specific Income	3,363,708.68	4,386,160.83	5,439,836.13	6,476,314.18
Total Receipts General Fund Proper	103,789,604.65	115,694,039.73	135,842,109.13	150,556,996.81
Receipts from Public Utilities				
Market	2,229,345.95	2,271,373.35	2,532,867.05	2,168,082.85
Cemeteries	329,150.00	309,150.00	383,100.00	415,068.80
Total receipts from public utilities	2,558,495.95	2,580,523.35	2,915,967.05	2,583,151.65
Total Income	106,348,100.60	118,274,563.08	138,758,076.18	153,140,148.46

Source: Office of the Municipal Treasurer, 2018

Internal Revenue Allotment (IRA) Dependency

The municipality of Alaminos is at least 70 percent IRA dependent from 2015 to 2018. IRA dependency is computed as IRA Current Year/Annual Regular Income (ARI). The table below shows that the municipality is still dependent to the national government's revenue allocation. In addition, it is projected that from 2019 to 2025, the IRA dependency is at 79 percent, 5 percent higher the previous years (2017 and 2018), retaining the 10 percent increase average. This implies that if there will be no other increase in tax collection from different sources, Alaminos will be more depedent on IRA.

Table 143. Internal Revenue Allotment Dependency of Alaminos, Laguna

Awaa	IRA Dependency (%)						
Area	2015	2015 2016 2017 2018 2019 2020					2025
Alaminos	76	76	74	74	79	79	79

Source: Office of the Municipal Treasurer, 2018

Barangay Income

The table below shows the comparative income of barangays in Alaminos, Laguna. Barangay San Benito remained consistent in ranking having the highest income in all 15 barangays.

Barangays San Agustin and San Andres follow in second and third place, respectively. On the the hand barangay Del Carmen share is considered the least (refer to Figure 14).

Table 144. Total Comparative Income per Barangay in Alaminos, Laguna from 2015 to 2018

	Year				
Barangay	2015	2016	2017	2018	
Poblacion 1	2,225,425.78	2,489,985.02	3,029,457.69	3,131,622.96	
Poblacion 2	2,125,432.21	2,392,981.88	2,449,014.22	2,933,825.43	
Poblacion 3	2,042,972.00	2,250,476.00	2,178,506.00	2,663,734.92	
Poblacion 4	2,323,844.00	2,527,743.00	2,866,935.00	2,674,294.41	
San Benito	4,086,175.23	4,449,389.04	5,272,435.00	6,054,836.82	
San Agustin	3,234,791.48	3,585,718.66	4,506,947.00	4,343,245.63	
Del Carmen	1,419,259.36	1,455,914.00	1,774,601.73	1,808,865.33	
San Juan	2,331,173.45	2,573,378.73	3,038,573.40	3,411,527.97	
Sta. Rosa	2,721,156.99	2,947,610.96	2,926,973.08	3,421,758.98	
San Gregorio	2,466,471.09	2,609,223.00	3,088,368.37	3,219,492.63	
San Isidro	2,091,987.34	2,296,452.61	2,676,669.94	2,840,678.56	
Palma	2,134,369.74	2,187,783.34	2,498,672.00	2,822,746.31	
San Andres	3,226,620.00	4,083,035.69	4,394,592.54	No data	
San Miguel	1,963,628.55	1,883,500.00	2,260,385.16	2,433,519.35	
San Roque	1,576,065.59	1,756,683.23	2,304,753.77	2,565,602.00	

Source: Office of the Municipal Treasurer, 2018



Figure 14. Total Comparative Income per Barangay in Alaminos from 2015 to 2018

Expenditure

In terms of the municipality's expenditures, the General Public Services has the biggest share of expenditure averaging to 61 percent from 2015 to 2018. This Service includes the municipality's personal services (Personnel salary). Economic services such as infrastructure development ranked second after general public services, followed by social welfare services. Health services has the least budget appropariatons in the last four 4 years.

Table 145. Appropriations of the Municipality of Alaminos from 2015 to 2018

Current Year	Appropriations				
Appropriations	2015	2016	2017	2018	

Current Year		Appropri	ations	
Appropriations	2015	2016	2017	2018
General Public Servi	ices			
PS	29,715,822.02	34,119,667.35	36,151,859.08	40,226,145.60
MOOE	26,847,623.53	29,426,981.26	33,818,395.37	38,824,473.35
CO	8,453,000.00	3,745,000.00	4,165,000.00	3,476,500.00
Total	65,016,445.55	67,291,648.61	74,135,254.45	82,527,118.95
Health Services	•	1	1	
PS	4,472,396.72	4,284,057.48	5,416,526.40	5,076,266.14
MOOE	4,255,262.00	4,593,902.00	5,378,127.00	5,225,532.00
CO	30,000.00	280,000.00	98,400.00	166,900.00
Total	8,757,658.72	9,157,959.48	10,893,053.40	10,468,698.14
Social Welfare Servi	ces	<u> </u>	<u> </u>	
PS	3,345,972.58	3,472,152.27	3,718,648.68	4,234,927.45
MOOE	14,059,536.52	14,789,802.88	15,202,877.88	14,910,570.70
CO	230,500.00	19,500.00	1,670,936.60	1,825,000.00
Total	17,636,009.10	18,281,455.15	20,592,463.16	20,970,498.15
Economic Services	•	1	1	
PS	2,804,729.28	3,305,369.20	3,447,287.60	3,887,870.44
MOOE	5,082,710.20	5,229,440.00	3,477,516.76	3,109,000.00
CO	19,279,050.00	20,117,000.00	22,843,000.00	25,287,674.00
Total	27,166,489.48	28,651,809.20	29,767,804.36	32,284,544.44
Total Current Year	Appropriations	<u> </u>	<u> </u>	
PS	40,338,920.60	45,181,246.30	48,734,321.76	53,425,209.63
MOOE	50,245,132.25	54,040,126.14	57,876,917.01	62,069,576.05
CO	27,992,550.00	24,161,500.00	28,777,336.60	30,756,074.00
Total	118,576,602.85	123,382,872.44	135,388,575.37	146,250,859.68

Source: Office of the Municipal Treasurer, 2018

Institutional Support

Municipality of Alaminos is not lacking in terms of institutional support. There is an existing municipal hall located at the municipal building in Poblacion 3. There are also barangay halls in each barangay that serves as venue for meeting, evacuation center and other purposes.

Facility for justice administration is located near the municipal building. Public safety and protection exist whereas there's a police station the serves 24 hours. Traffic enforcers are also present during the in major roads to assist pedestrians to ensure road safety. Public schools and barangay halls in each barangay serve as evacuation center when there are calamities in the municipality.

Table 146. Proportion of local budget allocated for disaster management and risk recovery activities

Program	Implementing Agency	Output	Budget/ Estimated Cost			
Disaster Mitigation &	Disaster Mitigation & Prevention					
Rehabilitation of open dumpsite	MPDC/Engineeri ng/MDRRMO/M ENRO	Rehabilitated dumpsite	1,500,000			
Disaster Preparedness						

N/ · · · 1	116 1	I.D	216,000
Municipal emergency	Mayor's Office/MDRRMO	Response team are	316,800
response mobilization	Office/MDRRMO	organized and available	
Continuous training to	Mayor's	in times of emergency Awareness for possible	250,000
all stakeholders	Office/MDRRMO	disaster	230,000
Aid to informal settlers	Mayor's	Informal settlers were	300,000
Aid to informal settlers	Office/MDRRMO	assisted	300,000
Monthly/Special	Mayor's	Program, projects and	100,000
CCA/DRRM Meetings	Office/MDRRMO	activities were updated	100,000
DRRM Equipment and	Mayor's	Additional DRRM	112,000
Supplies	Office/MDRRMO	equipment and supplies	112,000
Supplies	Office/Wibicitio	were provided	
Capacity Development	Mayor's	Well trained and	250,000
Program of DRRM	Office/MDRRMO	proactive personnel	230,000
Personnel, Emergency	Office/WiDkkWio	proactive personner	
Response Team, CSO			
Information	Mayor's	All constituents were	20,000
Dissemination	Office/MDRRMO	aware and prepared for	20,000
Campaign		possible disaster and	
Cumpuign		climate change impacts	
Early warning system	Mayor's	Constituents were warned	200,000
Early warming system	Office/MDRRMO	before and during	200,000
	Office, MDRRWO	calamities	
Maintenance of BFP	Mayor's	Well maintained vehicles	460,000
Firetruck, MDRRM	Office/MDRRMO	and equipment	100,000
vehicles and		and equipment	
equipment			
Support and	Mayor's	Constituents were aware	95,000
partnership partnership	Office/MDRRMO	on fire safety practices	, , , , , , , , , , , , , , , , , , ,
with BFP Fire	/BFP	on the surety practices	
Safety awareness	7.511		
campaign			
Support and	Mayor's	Rescue and medical	11,000
partnership partnership	Office/MDRRMO	assistance	,
with BFP rescue and	/BFP		
awareness campaign	,		
Mainstreaming climate	Mayor's	CCA and disaster risk	100,000
change adaptation and	Office/MDRRMO	reduction management	,
disaster risk reduction		were integrated in	
management in		development plans	
development planning			
Response			
Provision of food	Mayor's	Food and relief goods are	400,000
subsistence or relief	Office/MDRRMO	available in case of	.00,000
goods to disaster		calamity	
victims in case of			
calamity.			
Recovery/Rehabilitation	on		
Repair/rehabilitation	Mayor's	Disaster damage houses	500,000
of infrastructure	Office/MDRRMO	were rebuild	200,000
damaged by calamity			
Farm Inputs/	Mayor's	Assistance were	248,917.95
Livestock Assistance	Office/MDRRMO	distributed to farmers	210,717.73
Litebook 1 lobibidities		arsuroucou to rurinors	

		affected by disaster	
Quick Response	Mayor's	Funds were available in	2,084,450.55
	Office/MDRRMO	case of calamities	
TOTAL			6,948,168.50

Source: MPDO, 2018

C. Local Legislation

The local government of Alaminos passed resolutions and executive ordinances on local development affecting different sectors and some of these were highlighted in the list below:

Table 147. Index of Resolutions and Executive Ordinances Passed by the Sangguiniang

Bayan of Alaminos, Laguna from 2015 to 2018

Sector	Date	Resolution No.	Resolution Title
Social	January 23, 2017	07-Ordinance No. 1	Ordinansang nagtatakda hinggil sa maayos at ligtas na pagsalakay ng mga menor de edad sa mga pampubliko at pribadong sasakyan
Intitutional	March 24, 2017	30- Ordinance No. 1	Reclassification of Land (Firebird Holding Corporation) at Brgy II
Institutional	May 15, 2017	Municipal Ordinance No. 1	An Ordinance for Regulation, Operation, and Maintenance of Alaminos, Laguna Cemetery
Social	July 24, 2017	52-Ordinance No. 02	An ordinance prohibiting excessive unnecessary and unusually sound generated by videoke karaoke system or other similar equipment or device within private areas and along public places in Alaminos, Laguna
Social	October 2, 2017	68- Ordinance 04	An ordinance prohibiting motorcycles without muffler or that are defective or have modified which increase the sound emitted by motor vehicles penalizing owner and driver that contribute the noise pollution in the municipality of Alaminos, Laguna
Social	December 12, 2017	82-A Ordinance No. 06	An Ordinance establishing and adopting measures and systems ensure efficient implementation of the local TB Control program of the Municipality of Alaminos
Social	February 5, 2018	09-Ordinance No. 01	An Ordinance Prescribing Regulation on Certain Movement of Minor (17 yrs.of age and below) during the prescribed hrs. (10:00 p.m to 4:00 a.m) for the reason of public safety and providing penalties for violation there of (curfew)
Intitutional	April 2, 2018	27-Ordinance No. 01	An Ordinance approving the aplocation for the issuance of Development Permint of TDS Realty and Development Corportion (Mulberry Garden Memorial Park)
Economic	July 9, 2018	46-Ordinance No. 3	Resolution amending Resolution 64, series of 2016 reclassifying an agricultural land to commercial\industrial use owned by South tag properties Inc.at Brgy. San Agustin
Economic	July 9, 2018	47-Ordinance No. 4	Res. Amending Res 68,2016 reclassifying an agricultural land to commercial\industrial use owned by Serafio Reyes at San Agustin
Economic	July 16, 2018	48-Ordinance No. 05	Ordinance of Teravera Reclassification of land situated at Brgy.San Agustin, Alaminos Laguna (Batching Plant)
Economic	September 17,	66-Ordinance	Reclassification pf land at Brgy.San Agustin

	2018	No. 06	(Beauty Elements) Manufacturing Inc.
Environment	November 5,	88-Ordinance	An Ordinance Establishing a Septage
	2018	No. 07	Management System in the Municipality of
			Alaminos, Laguna and Prescribing Penalties
			for violation thereof.
Social	November 26,	97-Ordinance	Reclassification of Land at Brgy. Del Carmen
	2018	No. 08	

Source: MPDO, 2018

D. Institutional Linkages

LGU-NGO Linkages

The Local Government Code also mandates the LGU to establish inter-governmental relationship and relationships with other organizations such as people's and non-governmental organizations. As of April 2019, the municipality has accredited 33 NGOs/POs consisting of non-government organizations, people's organizations, and private sector organizations for membership in the Local Special Bodies of Alaminos.

Table 148. List of accredited CSOs in Alaminos, Laguna

Civil Society Organizations	Year Accredited
ALFA	-
Alaminos Riders Club	-
Guardians Philippines Inc	-
Sagip Ilog of Bay, Calauan, Alaminos Foundation Inc.	-
Del Carmen Multi-Purpose Coop	1998
Operation of Drivers Associagtion of Padyak Barangay II	1998
SCF-SGAL Cooperative	1998
PNPVFC Inc	1998
Alaminos Pedicab Operation Driver Association	1998
KARESSMA - KALIPI	1999
Alaminos Municipal Cooperative	2000
Police Hotline Network	2001
AGE-MPC	2001
Guardians Brotherhood Inc.	2001
AKAYAN	2002
San Ildefonso Tricyle Operator and Drivers (SITODA)	2002
Alaminos Gun Club Inc.	2006
Prime Movers for Peace and Progress Associations Inc.	2006
ATIKHA	2010
SMAK	2012
SNEAKY COM PHIL	2013
Alaminos Laguna Business Circle Inc	2013
KABALIKAT CIVICOM Inc	2013
Open Hearts Foundation Inc	2013
Laguna Guardians Brotherhood Inc.	2014
ALACCO	2014
Police Hotline Movement Inc	2014
Philippines Guardian's Democrats Inc	2015
Accreditation of OFW Barangay IV	2015
AITODA	2015
Guardian Magic Group Integrated (KALASAG)	2016
SIKLAB	2018
San Juan Puregold TODA	2019

Source: MPDO, 2019

Inter-Governmental Linkage

The governmental agencies from national to barangay level have horizontal and vertical linkages as shown in Figure 5 wherein, the President, who is the head of the national government plays the role of supervising the LGUs to make sure that the actions are within the limitations their prescribed powers and functions. It also includes the assurance that the national agencies or offices, with the function to implement projects and programs, will coordinate with one another and with the corresponding LGUs in the implementation of functions ensuring both the planning and implementation of national programs and projects, as per Section 25 of R.A. 7160. As per the LGC, the inter-governmental linkage follows the basic policy on the local autonomy which gives authority to the President who is mandated to supervise over the provinces, highly urbanized cities, and other independent component cities and municipalities. Also included were the barangays which were supervised through the respective cities and municipalities. Located in the region, province, or city/municipality are national agencies and offices which have the function to implement projects and coordinate with one another and with the concerned LGUs, together with the corresponding executive functions. The regional offices ensure the participation of the LGU in the planning and implementation of national projects.

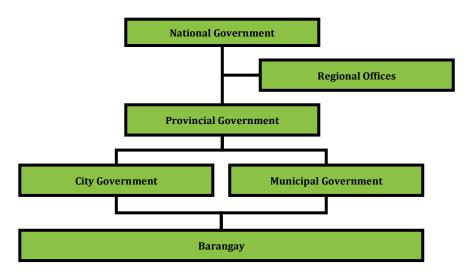


Figure 15. Inter-government linkages

The provincial relations with component cities and municipalities was outlined in Section 29 which dictates the assurance that every component city and municipality within its jurisdiction, acts within the scope of its prescribed powers and functions of the province, through the governor. Those composed of a cluster of municipalities, or municipalities and component cities, functioning as a political and corporate unit of government – "serves as a dynamic mechanism for developmental processes and effective governance of the LGUs within its territorial jurisdiction" as per Section 459 of the LGC. The Municipality of Alaminos, pursuant to Section 32 of the Code, through the LCE, exercises the general supervision of over 15 barangays "to ensure that said barangays act within the scope of their prescribed powers and functions" while Section 33 promotes the different LGU's cooperative undertakings. Particularly, the LGUs may group themselves, consolidate or coordinate their efforts, services and resources for the beneficial purposes to each part involved through the creation of appropriate ordinances.

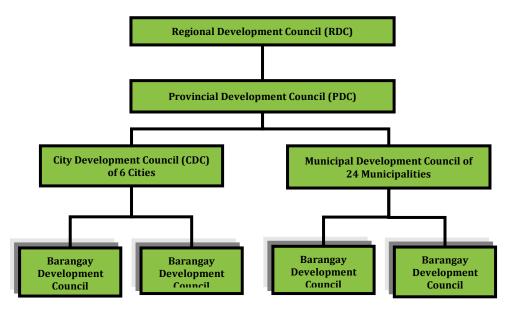


Figure 16. Inter-Governmental Relations

The relationship of Local Development Councils (either City Development Council or Municipal Development Council) to the Sanggunian, the Regional Development Council and Barangay Development Councils is shown in Figure 6. The LDC of Alaminos have proposed policies, programs and projects which is submitted to its Sangguniang Bayan for appropriate action. The Sanggunian also approves the local development plans namely the Comprehensive Land Use Plan (CLUP) and the Comprehensive Development Plan (CDP) and may be later on integrated to other development plans of the higher-level plans of the local development council as mandated by Section 114 of the LGC. This section in the LGC also requires that "the approved development plans of provinces, highly-urbanized cities, and independent component cities shall be submitted to the Regional Development Council, which shall be integrated into the regional development plan for submission to the National Economic and Development Authority (NEDA), in accordance with existing laws".

Institutional Linkage for National-Local Fiscal Administration

The fiscal relations between the national government and its agencies and the LGUs are one of the major aspects of the local fiscal administration and this may be referred as vertical financial relations. This relationship is illustrated in Figure 7.D.3 wherein the institutional framework for the local finance administration showing the relationship and linkages of the national government institutions with the LGUs.

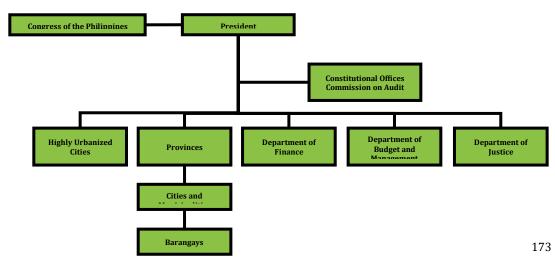


Figure 17. Institutional Linkages for Fiscal Administration

The President may direct the appropriate national agency to provide different forms of assistance (financial, technical and other forms) to the LGU upon their request, pursuant to Article 1c, Chapter 3 of the LGC. All appropriation, revenue or tariff bills, together with bills authorizing increase of the public debt, bills of local application, and even private bills, originate exclusively from the House of Representatives, but the Senate may propose or concur with the amendments, as Constitutionally mandated by Section 24 of 1987 Philippine Constitution. The power granted for the President to have general supervision over LGUs, provinces over component cities/municipalities, and of cities/municipalities over component barangays was mandated by Section 4 of the 1987 Constitution. The relationship between the three branches of government which are the three highest institutions for local finance, as per the Constitutional framework, is observed to be existing in the Municipality. This relationship is shown in Figure 7.D.3 where several national government agencies and institutions are coordinated and interacting with the LGUs.

Technical assistance and training on local finance is provided by the Department of Finance (DF) through its Bureau of Local Government Finance (BLGF), which also administers credit facilities such as the Municipal Development Fund. They also prepare the guidelines and standards on financial matters such as taxation, credit financing, and imposition of various fees and charges, exercise technical supervision on local assessment and treasury operations, and perform monitoring and evaluation on local finance performance

The Department of Budget and Management (DBM) reviews the municipal budget of the Local Government of Alaminos, through its regional offices. The Department also influences the local fiscal administration of the Municipality through its authority over compensation and position classification of the personnel of the city/municipal government. The information on allocation and the share of the Municipality from the utilization and development of national wealth regarding the Internal Revenue Allotment (IRA) is being disseminated primarily by the DBM. The share of IRA is released directly to the Municipality from the Department through its regional offices and the Budget and Finance Bureau.

The Commission on Audit (COA) was provided the power, authority, and duty, by Article IX, Section 2 of the 1987 Philippine Constitution, to examine, audit, and settle all accounts relating to the revenue and receipts of, and the expenditures or uses of funds and property, either owned or held in trust or relating to the Government or any of its subdivisions (including the LGUs), agencies, or instrumentalities. This includes the government-owned or controlled corporations with original charters given on a post-audit basis. The Municipality of Alaminos and its component barangays, guided by the existing laws and implementing rules and regulations, will manage and utilize its financial resources by recognizing the roles of other government entities mandated to perform its functions relating to fiscal administration. Also included are the: settlement of accounts and the resolution of the liability of accountable officers and in determining whether the fiscal responsibility have been properly and effectively discharged by the local chief executive. The Congress also influences the direction of the local autonomy, although not as active and direct as the DBM and DF, through legislation that would enhance, complement or extract the local government's generated resources.

The Department of Justice was given the authority by Section 187 by the Local Government Code, to rule on the constitutionality or legality of tax ordinances, as well as other revenue measures of the LGUs. However, the local fiscal administration's venues for tax appeals would occur in the Courts when the administrative remedies have been exhausted by the tax

payer upon the local government's exercise of its power to expropriate land and settle with the court for just compensation/payment to the land owner. Finally, the Supreme Court serves as the final arbiter on matters of interpretation and the substantiating the law and ultimately defines the limits of the taxing powers exercised by the local governments, in addition to the constitutionality and legality of actions affecting the administration of taxes.

Relations with the Philippine National Police

The Local Government Code, Article 2, Section 28 provides the limitations of the operational supervision and control of the Local Chief Executives over the protective services such as the police force, fire protection unit, and jail management personnel that are assigned in their respective jurisdictions. These shall be governed by the provisions of the Republic Act 6975 which is also known as the Department of the Interior and Local Government Act of 1990 with its implementing rules and regulations.

Electoral Statistics

As of 2019, there are 29,636 registered voters, of which 23,610 who actually voted comprising of 79.66% total registered voters.

Awards, Goals, and Achievements of Local Government of Alaminos

Alaminos has been a recipient of several awards from previous years. Table 150 shows the recognitions and awards of the municipality from 2000.

Table 149. Municipal Recognitions and Awards of Alaminos, Laguna

Recognitions and Awards	Year
Plake ng Pagkilalasapagpapatupad ng Barangay Management Information System (BMIS)	2000
Namumukod Tanging Magsasaka ,Mangingisda at Kabalikat ng Magsasaka	2007 - 2008
Best Faith Municipality	2008
Seal of Good Housekeeping	2011
Outstanding PabasasaNutrisyon Award	2015
Certificate of Recognition –TeamAlaminos	2015
Seal of Child Friendly Local Governance	2016 – 2017
Pantawid Pamilya Alaminos	2017
PabasasaNutrisyon Exemplary Award	2017
Public Employment Office of Alaminos (Career Guidance & Counselling, CIG)	2017
Public Employment Office of Alaminos (Local Recruitment Activity, LRA)	2017
Certificate of Recognition – Municipal Action Team	2018
PabasasaNutrisyon Hall of Fame Award	2018
DRRMO Municipality of Alaminos – Plaque of Recognition	2018

Source: MPDO, 2018

E. Institutional Sector Problem Solution Matrix

The table below shows the problem solution matrix for the institutional sector of the municipality of Alaminos.

Table 150. Institutional Sector Problem Solution Matrix of Alaminos, Laguna

Issues	Explanation	Implications when	Policy options
Issues	Laplanation	unresolved	I offey options

Issues	Explanation	Implications when unresolved	Policy options
Observed tardiness among employees	One of the identified issues during the workshop was the tardiness among government employees.	Tardiness affects productivity, professionalism and is a bad reflection of the Office to its constituents.	Strict implementation of Civil Service guidelines Reiteration of the Policy on Government Office Hours
Some positions are not filled up and Some department/offices are understaffed	The are positions that are not filled up such and one or two (1-2) persons or staff with two designations Based on the organizational structure and plantilla positions, some departments only have 1-2 permanent staff, and the remaining staff are either a job order or under a contract of service.	Lack of staff may affect productivity of employee and may potentially lead to stress, fatigue and other health related problems.	Fill up positions and promote staff capability development programs and activities
Outdated of tax mapping system	No updated tax map or land parcels/ownership data	Outdated tax mapping system affects the tax collection, actual size of the LGU, land parcels and ownership.	Upgrade tax mapping system
Weak implementation of local resolutions and ordinances	Evident in sectoral assessments such as issues and concerns on solid waste management, and transportation (parking, right of way), among others.	Problems on various sectors will continue and remain unresolved affecting the overall development of Alaminos	Improve implementation and enforcement of local resolutions and ordinances, by increasing penalties and fees related to violations.
High dependence on IRA or poor revenue collection	The LGU has an average of 75 percent IRA dependency from 2015 to 2018.	The higher IRA dependency, the less self-sufficient an LGU is. This may be attributed to limited sources of other revenues/income, inefficiency of tax collection, business permits are not being renewed.	Upgrade tax mapping system Improve tax collection system Identify other revenue sources Improve implementation and enforcement of local resolutions and ordinances, by increasing

Issues	Explanation	Implications when unresolved	Policy options			
			penalties and fees related to violations.			
Lack of data management system	There is no centralized data base which causes data loss/unavailability	Lack of data management system affects the productivity and efficiency of employees, accuracy and credibility of data, and difficulty in analyzing and interpreting conditions for planners, investors and decision makers	Allocate an office or designate a person to manage and store data and information in the municipal hall; require all personnel to have a backup data			

ANNEXES

Annex 1. Schedule of Waste Collection

	Mon		Tues		Wed T		Th	Thurs		Fri		Sat		Sun	
Barangay	В	R W	В	R W	В	R W	В	R W	В	R W	В	R W	В	RW	
Poblacion 1															
Poblacion 2															
Poblacion 3															
Poblacion 4															
San Benito															
San Agustin															
Del Carmen															
San Andres															
San Juan															
San Ildefonso															
Palma															
San Miguel															
Sta. Rosa															
San Roque															
San Gregorio															

Source: Solid Waste Management Plan B – Biodegradable, RW - Recyclable Annex 2. Name of Businesses, Owners, Address, and Number of Employees in Alaminos, Laguna

Annex 2. Name of Businesses, Owners, Address, and Number of Employees in Alaminos, Laguna			
Business Owner	Business Name	Address	No. of Empl oyees
Tour And Tra	vel Agencies		
Allen Aurelio V. Avenido	Dreamscapes Travel and Tours	93 Del Pilar St. Brgy. I Alaminos Lag.	2
Maria Aiza G. Villanueva	Flyolo Travel Services	Brgy III Alaminos Laguna(Extension Office)	0
Advertising			
Denneth M. Nacalaban	Kaboom Media Advertising	142 Brgy. San Juan, Alaminos, Laguna	4
Agricultural, A	Animal Husbandry Service		
Highridge Breeding Farms, Inc.		Palma II, Alaminos, Laguna	21
	shable bakery products		
Edgardo M. Belen	Agra Bakery	Del Pilar St. Brgy IV Alaminos, Laguna	4
Florida B. Mirano	FB Mirano Bakery	D. Fandiño St., Brgy. III- Alaminos, Lag.	0
Jocelyn T. Rojo	Jolan Bakery	Baylon St., Brgy. 111, Alaminos, Laguna	6
Eric L. Magturo	Ka PablengMalunggayPandesal	del Pilar St., Brgy. 11 - Alaminos, Laguna	4
Elsie O. Regis	Regis Cake Shop	Del Pilar St. Brgy. 4 - Alaminos, Lag.	1
Analyn N. Abila	BudongMalunggayPandesal	Brgy. II , Alaminos Laguna	1
Humbelina C. Enriquez	InayCrescenBroas Biscuit Products	San Agustin, Alaminos, Laguna	1
Joy R. Enriquez	N-Joy's Bakery	Baylon St., Brgy. 111, Alaminos, Lag.	0
Joy R. Enriquez	Joy's Sari-Sari Store	D. Fandino St. Brgy,3 Alaminos Lag.	1
Building of Co	nstructions or Parts, Civil Engin	eering	
Ramir R. Saspa, Sr.	RamirSaspa Construction Firm & Realty	San Benito, Alaminos, Laguna	14
MDC BuildPlus, Inc.		San Andres, Alaminos, Laguna	13
Camila S. Maligalig	AJSM Construction	San Andres, Alaminos, Laguna	3
Revere Construction & Supply Corporation		San Andres, Alaminos, Laguna	11
Pio R. Oplado	Marnelan Corporation	Brgy San Andres Alaminos Laguna	14

Business Owner	Business Name	Address	No. of Empl oyees
Stella Marie O. Tolentino	R2S Builders	San Andres, Alaminos, Laguna	2
Edison D. Prahinog	Edison Prahinog Construction Services	249 Purok 3, San Juan, Alaminos, Laguna	2
Jet Tech			
Energy and Construction		J. Luna St., Brgy. 111, Alaminos, Lag.	1
Group , Inc. Liezel D.	Sams Precision Engineering & Construction Services	Brgy. III, Alaminos, Laguna	2
Samson Ruying Solling		Physllings	
Domingo O.	g, Renting, Leasing, Operation of	Dwellings	
Matibag	Domingo Matibag Apartment Rental	Brgy. II, Alaminos, Laguna	0
Artrie N. Arambulo	Arambulo Property Leasing & Management	San Juan, Alaminos, Laguna	0
BellaVita Land Corp.		San Andres, Alaminos, Laguna	1
Merle T. Castro	Land Leasing	San Juan, Alaminos, Laguna	0
Editha M.Gallardo	HomeGreen Leasing Corporation	San Benito Alaminos Laguna	1
Dionides R. Belda	Edd& Carla Apartment & Office Rental	San Benito, Alaminos, Laguna	0
Ronaldo L. Miranda	Space Leasing	M.H.Del Pilar St. Brgy.1 Alam.Lag.	0
Rudy Prospero A. Ticzon	Rudy Prospero A. Ticzon Business Rental	del Pilar St., Brgy. 11, Alaminos, Laguna	0
Melanie M. Medina	Business Rental (Leasing)	del Pilar St., Brgy. 1V, Alaminos, Laguna	0
Manolito Jr. Alvarez	Business Rental	Nuestra Seniora Del Pilar Village Brgy II Alaminos Laguna	0
Rodelo A. Dimayuga	Business Rental	del Pilar St., Brgy. 4-Alaminos, Laguna	0
	er Production(Operation of Chick	ken Hatcheries)/Game Propagation	n,
Breeding		,	
Ricardo B.Talento	Bettina Farms, Inc.	San Agustin Alaminos Laguna	8
	rification, Distribution of water		
Gerard	,		
Renato		Rizal St. Brgy1 Alaminos	10
Stephen V.	Cool Filter Flow	Laguna	10
Faylona			
Fortunata E. Bicomong	Sabih Purified Drinking Water	F.Fule St. Brgy.1 Alaminos Lag.	1
Julieta E. Fernandez	Victorious Water Refilling Station	San Agustin, Alaminos, Laguna	2
Gemma C.Cordero	Beau Monte Pure Drinking Water	Jose Rizal St., Brgy.1- Alaminos, Lag.	8
			l

Business Owner	Business Name	Address	No. of Empl oyees
Sheila Marie A. De Guzman	Lovingwater Mineral & Alkaline Water Station	San Ildefonso, Alaminos, Laguna	1
Domingo R. Asprec	Aqua Oasis Water Refilling Station	San Juan Alaminos, Laguna	1
Buenafe F. Bueser	Buenz Ultra Water Station	San Benito Alaminos Laguna	1
Jerry G. Malolos	Macjewel Purified Drinking Water	Villanueva St., Brgy. 11- Alaminos Laguna	8
Neil S. Macasaet	Macneilxen co.	de Villa St., Brgy. 111, Alaminos, Laguna	2
Noriedette A. Hernandez	Heralz Alkaline Water	San Juan, Alaminos, Laguna	1
Alexander M. Duma	Leira& Carmen Natural Alkaline Water Station	Del Carmen Alaminos Laguna	0
Cesar R.	JR Adds Purified Drinking	190 San Benito, Alaminos,	6
Corn Milling /	Storage and Warehousing		
Benacorn Corporation (TMR)		San Andres, Alaminos, Laguna	27
Benacorn Corporation (PHF)		San Andres, Alaminos, Laguna	20
Custom Dress-	Making		
Antonio E.Villanueva	Clev Garments	Del Pilar St. Brgy.1 Alaminos Laguna	6
Dormitories/Bo	parding Houses		
Mercy F. Magampon	Business rental	San Juan Alaminos, Laguna	0
Ederlita L. Magampon	Mean & Sara Apartment	San Juan, Alaminos, Laguna	0
Electrical & M	echanical Work at Site of Const	ruction	
Florante T.Montoya	Kings Tower Power Supply & Construction Services Co.	San Agustin Alaminos Laguna	1
Expanded com	mercial banking		
Christian Wayne D. Dayo	BDO Unibank, Inc. Laguna - Alaminos	Del Pilar St. Brgy.2 Alaminos Lag.	8
Fabrication In	stallation		
Industrial Design & Equipment Expertise, Inc.		San Benito, Alaminos, Laguna	87
Foreign Exchange Dealing other Business Activities			
Rodolfo B. Galvez	Rodlen Money Changer	del Pilar St., Brgy. 1V, Alaminos, Laguna	1
Freight Forwa	rding Services		_

Business Owner	Business Name	Address	No. of Empl oyees
Lito A. Belena	Montelena Prime Movers	San Ildefonso, Alaminos, Laguna	0
Michel J. Lhuillier	ML KargoPadala Inc.	del Pilar St., Alaminos, Laguna	0
TRIREX LOGISTICS INC.		123 Medina St., Brgy. 1, Alaminos, Lag.	6
Janice C. Macapagal	4BIS Joe's Mac Express Services	LynvilleSubd., San Agustin, Alam., Lag.	4
Leila R. Castillo	Castlerey Enterprises	San Agustin, Alaminos, Laguna	8
Ofelia M. Belena	Pailo Forwarder	San Ildefonso, Alaminos, Laguna	0
William Joseph Chiongbian II	FastcargoLogisic Corp	San Benito, Alaminos, Laguna	11
Ely Julius M. Delima	Jul's Transport	San Ildefonso Alaminos Laguna	0
Funeral & Rela	ated Activities		
Dulce Patricia A.Lorilla	Dulce Patricia A.Lorilla Funeral Homes	M.H Del Pilar St. Brgy.1 Alam.Lag.	12
Melogen V. Villanueva	Ace Funeral Homes	San Juan, Alaminos Laguna	2
Goat Farming			
Artemus C. Almeda	Alaminos Goat Farm	Del Pilar St., Brgy. 2 - Alaminos Laguna	9
Grain Wareho	uses		
Inphilco, Inc.		San Benito, Alaminos, Laguna	3
Hairdressing a	nd Other Beauty Treatment		
Mary Ann M. Alvarez	Hair Rebonding& Straightening ByZaldy&Mhean	Mabini St., Brgy. 111, Alaminos, Laguna	0
Paz A. Mendoza	Rose Parlor	M.H.Del Pilar St. Brgy.3 Alam.Lag.	1
January C. Donato	Graciella Beauty Salon	Del Pilar St. Brgy1 Alaminos Laguna	6
Cesar F. Gorre	Cstar beauty salon	Brgy II Alaminos Laguna	2
Iron & Steel C	asting/Foundry		
Romel D. Perez	R.C. Perez Metal Fabrication and Trading	San Gregorio, Alaminos, Laguna	5
Junkshop			
Darwin A. Llames	Three D. Junkshop	San Juan Alaminos, Laguna	4
Roderic P. Oblepias	OblepiasScrapwood& Junk shop	San Juan, Alaminos, Laguna	3
Leisure, Gamin			
Larry S.	Fantastic Coliseum	San Benito, Alaminos, Laguna	0

Business Owner	Business Name	Address	No. of Empl oyees	
Amante				
Lending Invest	or Activities			
Taytay Sa Kauswagan, Inc.			0	
Cavite Apc Lending Co., Inc.		del Pilar St., Brgy. 2 - Alaminos, Laguna	4	
Maintenance &	Repair of Motor Vehicles			
Alaminos Autoworx and Accessories Corp.		San Benito Alaminos Laguna	13	
Maria Mylene R. Villamor	Bugo-Bugo Towing Services	Del Pilar St., Brgy. 11 - Alaminos, Laguna	0	
Manufacture o	f articles of concrete, cement, pla			
Mega Southern Asphalt Mix Corp.		San Agustin, Alaminos, Laguna	22	
Manufacture o Stores	f Fertilizers & Nitrogen Compo	unds/Other Retail Sale in Specializ	ed	
Nilda S. Lima	Meridian Nature-Tek Corp.	San Agustin, Alaminos, Laguna	1	
Manufacture o	f Hats, Gloves, Handkerchiefs, N	Neckware, Belts		
Gerardo U. Valbuena	Jacksonville Creative Concept	Alam. Hts., Subd., Brgy. 111 - Alam., Lag.	0	
Manufacture o	f Nata De Coco			
Faustino E. Reyes	Reyes Nata De Coco	D. Fandino St. Brgy,3 Alaminos Lag.	3	
	f Other Chemical Products		ı	
Jesus Marco G. Sari	Pyro Buster Enterprise	069 San Roque, Alaminos, Laguna	11	
Rey Apolinario S. Tolentino	Rastech Chemicals Manufacturing	San Juan, Alaminos, Laguna	1	
Manufacture of other fabricated metal products				
Larcen A. Libang	Larcen Metal Works	San Miguel Alaminos Laguna	3	
Glenn P. Flores	Texin Inc.	San Benito, Alaminos, Laguna	22	
Rodrigo M. Relucio	Trinidy Steel Works	Pob. II Alaminos Laguna	0	
Manufacture o	Manufacture of Other Food Products			
Nenita A.Mitra	Joe-Vick's Buko Pie	San Juan Alaminos Laguna	2	

Business Owner	Business Name	Address	No. of Empl	
John Francis L. Flores	Kayumanggi (KTF) Tropical Foods	Fandino St. Alaminos Laguna	oyees 4	
Manufacture o	of Other Wearing Apparel			
Gerardo U. Valbuena	Jacksonville Creative Concept Manufacturing, Inc.	Alam. Hts., Subd., Brgy. 111- Alam., Lag.	117	
Manufacture o	f Wood Carvings			
Lou Jojo I. Deles	Carl Lou Furniture	San Agustin, Alaminos, Laguna	2	
Salvacion Trinidad L. Gonzales	Trichique Wood Creations	San Juan, Alaminos, Laguna	1	
Charise R. Balaaldia	Charise Sash Factory And Furniture	#245Del Pilar St. Brgy. II Alaminos Laguna	0	
Memorial Parl	KS .			
Rolando B. Tolentino	Roloma Memorial Park Corporation	Villanueva St. Alaminos Laguna	3	
Jose Cesar Z.Insua	Alaminos Memorial Park, Inc.	D.Fandino St., Brgy.3 Alaminos Lag.	2	
Men's, Boy's G	arment Manufacturing			
Nelson C. De Villa	L.Villa Garments Corporation	Jose Fule St. Brgy.4 Alam. Lag	15	
	s, Retailing/Maintenance & Repa & Accessories Count	nir of Motor Vehicles/Sale of Moto	r	
Gorgonio M.Abrigo	GRRS Car Sales	San Agustin Alaminos Laguna	3	
San Pablo 4 Wheels Motor Corporation	Motor Vehicles Retailing	San Benito, Alaminos, Laguna	7	
Luzon Ramcycles, Inc.		M.H.Del Pilar St.Brgy.2 Alam.Lag.	2	
Dearborn Motors Co., Inc.	Ford Laguna	San Benito, Alaminos, Laguna	12	
Richard C. Tan	Toyota San Pablo Laguna, Inc.	San Benito Alaminos Laguna	136	
Oil Mill				
Frances and Sons Oil Mill Corp.		San Benito, Alaminos, Laguna	16	
On-line Gaming				
Larry S. Amante/Liazl e A. Avanzado	Fantastic Web Gaming Co.	Fantastic Coliseum, San Benito, Alam., Lag.	8	
Other Building	Other Building Completion			
Josefina M. Delos Reyes	AAM Universal Power Poles Trading Corp	San Agustin, Alaminos, Laguna	2	

Business Owner	Business Name	Address	No. of Empl oyees
Other Business	Service		
Rafael A. Tabora	T2 RAF Gaming Station	San Benito, Alaminos, Laguna	4
T2 RAF Electronic Gaming Station, Inc.		San Benito, Alaminos, Laguna	12
Fantastic Web Gaming Corp.		Maharlika Hi-way, San Benito, Alaminos, Laguna	20
Arnold M. Lopez	Nadine Emission Testing Center	San Benito, Alaminos, Laguna	4
Mapecon Green Charcoal Phils., Inc.		San Pedro St., Brgy. 111, Alaminos, Lag.	23
Nelia D. Tolentino	Nelia Dress Shop	Mabini St. Alaminos, Laguna	1
Emerito M. Montecillo	MER Business Center	Brgy San Agustin Alaminos, Laguna	2
Rosalina B. Fule	Pillars Payment Center	93 Del pilar St. Brgy. III alaminos, Laguna	2
Aguila Glass Co., Inc		San Benito, Alaminos, Laguna	3
Rizal Poultry & Livestock Association, Inc.		San Juan, Alaminos, Laguna	18
Isidro Z. Catipon	Eyie Trading & Coco Lumber Dealer	San Juan, Alaminos, Laguna	2
Onofre Jr. A. Mecinas	Mecinas Trading	San Benito Alaminos Laguna	0
BellaVita Alaminos HomeOwner's Association Inc.		Brgy. San Andres Alaminos Laguna	0
Guillermo C. Uy,Jo	Residenza De Alaminos HomeOwner's Association, Inc	Residenza de Alaminos, Brgy. Pob. II Alaminos, Laguna	0
Other Comput	er Related		
LevinieO.Dac les	ClevithanPhotomania Print @ Design Solutions	Cor. Mabini / Baylon St. Alam. Lag.	1
LevinieO.Dac les	ClevithanPhotomania Print @ Design Solutions	Del Pilar St. Brgy. IV Alaminos Laguna	0
Velmon Y. Austria	KuyaMondivash Internet Shop	Brgy. I, Alaminos, Laguna	0
Allan D. Fandiño	ARF Cyberzone Internet Café	Malvar St., Brgy. 111, Alaminos, Laguna	0
Rodelio v. Eugenio	ROJENZ PISONET	San Agustin, Alaminos, Laguna	1

Business Owner	Business Name	Address	No. of Empl oyees
Other Non-Sto	re Retail Sale, Other Service Act	ivities	
Gerardo M. Macalinga	Balisong Metals	San Andres, Alaminos, Laguna	0
Rodolfo E. Marquez	Retail Super &Step-in	34 Baylon St., Brgy. III - Alaminos, Lag.	0
Macaria B. Belda	Karfeu General Merchandise	San Benito, Alaminos, Laguna	3
Sesinando A. Enriquez, Jr.	S.A. Enriquez General Merchandise	Baylon St., Brgy. 111, Alaminos, Lag.	0
Carold A. Gullas	Govenne Enterprises	San Agustin, Alaminos, Laguna	0
Keith John F. Mantupar	KJM Meat and Seafoods	048 Villanueva St., Brgy. 11- Poblacion	1
Ruby B. Pelomeo	RBP Organic Products	Purok 111, San Benito, Alaminos, Laguna	2
Fernando C. Beredo	FermayLambanog	San Agustin, Alaminos, Laguna	2
Bounty Agro Ventures, Inc.		87 del Pilar St., Brgy. 1V, Alaminos, Laguna	1
Rosally Q. Gallajones	RosallyGalljones LPG Outlet	San Benito, Alaminos, Laguna	0
Beverlyn N. Peñera	Neilbert Enterprises	56 F. Fule St., Brgy. 1, Alaminos, Laguna	2
Gina B. Maglaque	Warner & Gina Iskultural	188 Purok 4, San Juan, Alaminos, Laguna	2
Other Publishi	ng		
Denneth M. Nacalaban	Kaboom Media Advertising	142 San Juan, Alaminos, Laguna	4
Other Real Est	tate Activities with Own or Lease	ed Property Count	
Ma. Victoria V. Faylona	MaviFay Ventures	121 FuleSt.,Brgy. 1, Alaminos, Laguna	0
Ernani Jose F.Cordero	Quimio& Cordero2 Leasing	Del Pilar St., Brgy.2 - Alaminos, Laguna	0
Juanito M. Masa	Dr. Juanito M. Masa Apartment Leasing	del Pilar St., Brgy. IV, Alaminos, Laguna	0
Lydia Navarro	Lydias Business Rental	Brgy III, Pob. Alaminos, Laguna	0
Amor R. Dilapdilap	Business Rental	San Juan, Alaminos, Laguna	0
Edgar P. Umali	Edlyn& Denver Space Rental	#31 Baylon St. Alaminos, Laguna	0
Minerva M. Fandino	3Y's Business Rental	003 Del Pilar St., Brgy. 1V- Alam., Lag.	0
Gail M. Tejado	Gail and Angelo Land Leasing	San Juan, Alaminos, Laguna	0
Teofila A.Matibag	Teofila A. Matibag Commercial Place	Del Pilar St. Brgy,4 Alaminos Lag.	0
Rubelyn C. Banzuela	Business Rental	D. Fandino St. Brgy,3 Alaminos Lag.	0

Business Owner	Business Name	Address	No. of Empl oyees
Necita D. Malabanan	Business Rental	Alam. Hts. Subd., Brgy. 111- Alam., Lag.	0
Grace T. Khu	Grace Khu Rental	San Pedro Brgy,3 Alaminos Lag.	1
Lazaro E. Reyes	Lazaro Reyes Rental	del Pilar St., Brgy. 1V, Alaminos, Laguna	0
Lourdes A. Macasaet	L. A. Masacaet Apartment	88 del Pilar St., Brgy. 1, Alaminos, Lag.	0
Erlinda G. Puzon	Erlinda G. Puzon Property Leasing	Cor. Mabini &Baylon St., Brgy. 111,Alam. Lag.	0
Santos S. Sarmiento	Sarmiento Commercial Building rental	De Villa St., Brgy. 111 - Alaminos Laguna	0
Veronica V. Alvarez	Veronica Alvarez space Rental	De Villa St., Brgy. 111- Alaminos, Laguna	0
Perciverancia F. Villanueva	Fule Property Leasing	Del Pilar St. Brgy.1 Alaminos Laguna	0
Victoria F. Basilan	Land Leasing	St. Joseph Homes Subd. Brgy I Alam. Lag	0
Larry S. Amante	Larry S. Amante Leasing	San Benito, Alaminos, Laguna	1
Other Recreati	ional Activities		
Allan D. Fandiño	Alaminos Fitness Gym	Malvar St., Brgy. 111, Alaminos, Laguna	1
Other Retail Sa	ale in Non-Specialized Stores:Fo	ood, Beverages,Tobacco	
Gemma B. Bautista	RaygemBinalot Sa Dahon	San Juan Alaminos Laguna	2
Rodolfo P. Cortes Jr.	Zen Kaleb Mini Store	San Benito Alaminos Laguna	2
Esther Gloria A. Lee	5AJ'S Congee Houre	M.H Del Pilar St.Brgy I Pob, Alam.Lag.	0
Edwin A. Mendoza	Miguel At Isabelle Food Trip	Rizal St. Cor. Fandino St. Brgy III Alam. Lag.	6
Other Retail S	ale in Specialized Stores		
Raquel A. Millares	Reinmar Cycle Parts	221 Malvar St., Brgy. 111, Alaminos, Lag.	1
Mariano Thomas M.Flores	Kayumanggi Tropical Foods, Inc.	San Juan Alaminos Laguna	2
Mariano Thomas M.Flores	Kayumanggi Tropical Foods, Inc.	Rizal St. Brgy.1 Alaminos Laguna	80
Florante B. Ramirez	Reba Mktg & Tire Supply	Del Pilar St. Alaminos Lag	1
Marites M. Marinduque	Rene & Tess Sari-Sari Store	Public Market, Alaminos, Laguna	2
Arvin M. Carandang	ATC Enterprises	Public Market Alaminos Laguna	2
Lea Marie J. Atienza	Yolie's Pasalubong Center	San Agustin, Alaminos, Laguna	0

Business Owner	Business Name	Address	No. of Empl oyees
Raquel N. Lacson	R.N. Lacson Cycle Trading	Baylon St., Brgy. 111, Alaminos, Laguna	1
Jennifer R. Laurencio	Laurencio Enterprises	Brgy IV Maharlika Hi-way Del Pilar St. Alaminos, Laguna	0
Jervy Melchor R. Alvarez	Noah and Andrei loading Station	9293 F. Fule St. Brgy. IV- Alam., Lag.	2
Randell P. Hermano	Drew & Wes Convenience Store	BrgyIII,Pob. Public Market Alaminos, Laguna	0
Ridel M. Haino	4RM Trading	Blk. 6 lt. 17 Lynville San Agustin Alam. Lag.	0
Marie Grace L. Cerilla	Tamaraw Trading	Brgy III, Alaminos, Laguna	2
Erlyn R. Saspa	Lyn's Aluminum Supply	Del Pilar St., Brgy. 1- Alaminos Laguna	8
SIDC Coopmart Alaminos		Sta. Rosa, Alaminos, Laguna	10
Analyn D. Villanueva	Elma-Lyn's Frozen Food	Alaminos Laguna	0
JonalynA.Mir anda	NJ Mira Variety Store	Medina St., Brgy.1 - Alaminos, Laguna	0
Rizalina V. Sulabo	Norriza General Merchandise	Baylon St., Bgry. 111- Alaminos, Laguna	1
Rizalina V. Sulabo	Codykyle's Enterprises	Baylon St., Brgy.3 - Alaminos, Laguna	1
Charina A. Alcantara	Charines Enterprise	Mabini St., Brgy.3 - Alaminos, Laguna	1
Ronnie G. Go	Mom's Babies Store	Del Pilar St., Brgy. 111- Alaminos Laguna	6
Lucilo C. Cayao	Cayao Meat Shop	Baylon St., Brgy. 111-Alaminos, Laguna	1
Lucilo C. Cayao	Vegetable Vendor	Baylon St., Brgy. 111-Alaminos, Laguna	0
Violeta M. Pareja	Italvill Auto Supply	San Juan Alaminos Laguna	2
Sofronio A. Abel	Planet-S Abel Store	Alaminos Public Market	1
Zenaida A. Belen	Sister Zen Sari-Sari Store & General Mdse.	292 San Agustin, Alaminos, Laguna	0
Rodolfo C. Baldo Jr.	R. Baldo Jr Enterprises	Mabini St., Brgy. 111, Alaminos, Laguna	2
Ma. Lovella V. Capuno	Dedeth&Zaki Enterprises	Mabini St. Brgy.3 Alaminos Laguna	2
Edeza A. Mendoza	Charles Clayton Enterprises	Del Pilar StPublic Market, Alam., Lag.	0
Other Retail Sale in Specialized Stores/Other Service			
Maximo B.Cato	Top Construction & Fabrication	San Agustin, Alaminos Laguna	10

Business Owner	Business Name	Address	No. of Empl oyees
Other Service	Activities		
Oscar A. Danta	Flying "D" Enterprises / Carwash	San Juan, Alaminos, Laguna	1
Norita C. Cuenca	Yenvy's Trading	130 J. Fule St., Brgy. 1V, Alam., Lag.	0
Marinelle D. Maloles	Anne Marie Travel & Tours	Poblacion, Alaminos, Laguna	2
Marivic E. Marabe	Mapo's Catering	Brgy. III, Alaminos, Laguna	2
Maria Nenita M. Santillan	Mareleths Touch Catering Services	45 Del Pilar St. Brgy I Alaminos Laguna	0
Ma Ana T.Manalo	Janique Junkshop	San Juan Alaminos Laguna	1
John Reymark C. Garcia	Metafit 101 Fitness Center	Del Pilar St. Brgy. IV, Alaminos, Laguna	0
Arwyn C Nayle	Nicosarden Watch Repair Shop	Brgy III, Alaminos, Laguna	0
Maria Riza F. Monzonez	Freshair Emission Testing Center	San Benito, Alaminos, Laguna	0
WenceslaoPet rasanta	Marwen's Function Hall	Brgy III Pob., Alaminos Laguna	0
Maria Mylene R. Villamor	Bugo-Bugo Auto Repair Shop	Del Pilar St., Brgy. 11 - Alaminos, Laguna	1
SionedaM.Pa banil	James' Junkshop	San Juan Alaminos Laguna	2
Richard B. Escueta	R.B. Escueta Enterprises	138 J. P. Rizal St., Brgy. 1- Alam., Lag.	2
Pauline T. Aquino	Tordillos-Aquino Money Transfer & Loading Station	40 Purok 7, San Juan, Alaminos, Laguna	0
Mariel B. Dino	Maja Thai Massage and Wellness Spa	2F Allysa's Arcade, San Benito, Alaminos, Lag.	6
Rosita L. Duncil	Okazyon Catering Services	San Benito, Alaminos, Laguna	6
Ronald L. Valino	Paleta Infinity Massage Spa	9651 San Agustin, Alaminos, Laguna	6
Other Services			
Manuel D.Masangkay	Heman Carwash	San Agustin, Alaminos, Laguna	1
Joel P. Andor	Barber Shop	39 Mabini St., Brgy. 111, Alam., Lag.	0
Ariston S. Basilan	AR-AR J General Merchadise	Mabini St., Brgy.3 - Alaminos, Laguna	0
Ruben G. Gagal	Ruben Barbershop	A. Mabini St., Brgy. 111- Alaminos, Lag.	0
Maria Elisa Gizelle N. Aquino	M.E.G Trucking Services	San Agustin Alaminos Laguna	2

Business Owner	Business Name	Address	No. of Empl oyees
Hector M. Bondad	I C 8 Electronics Repair Shop	81 del Pilar St., Brgy. 4, Alaminos, Laguna	1
Chester D. Jalgalado	Royal Advantage Co. Emission Testing Center	San Benito, Alaminos, Laguna	3
Dr. Donna Marie A. Marabe	Abrigo-Marabe Dental Clinic	del Pilar St., Brgy. 111, Alaminos, Lag.	2
Manuel C. Pujanes	Maxelez General Merchandise	San Juan, Alaminos, Laguna	9
Wannie F. Avenido	GMA Money Remittance Express	Sta. Rosa, Alaminos, Laguna	1
Lorna N. Villanueva	Navill trucking Services	Brgy. San Agustin Alaminos, Laguna	0
Nelda D. Arai	Arai Fashion	San Agustin, Alaminos, Laguna	4
Faustino G. Almendral	Faustino G. Almendral	San Benito Alaminos Laguna	0
Century Drilling & Energy Services (NZ) Limited Phil. Branch		San Benito, Alaminos, Laguna	3
Map General Services Corporation		San Benito Alaminos Laguna	3
Sunguard Security Service, Inc.		Del Pilar St. Pob. I Alam. Lag.	0
Jenet D. Malabuyoc	Bluebiz Payment Center	Public Market	0
Magie A. Terrones	M. Terones Vulcanizing Shop	Brgy. 11-Poblacion,	2
	GLMM Hermes & Motor Car Engine Services	San Juan, Alaminos, Laguna	2
Tessie D. Rosales	Perya and Cedera	Barangay 111-Poblacion, Alaminos, Laguna	9
Serapio E. Reyes	Serafel Property Ventures Inc	San Agustin, Alaminos, Laguna	0
Frederick M. Belen	Frexie's Handicraft	59 Brgy San Miguel Alaminos Laguna	1
Manolito M. Pilapil	ManolitoPilapil Fashion	Brgy.San Benito Alaminos Laguna	0
Glenn Armstrong C. Lim	VitalCare Medical Supplies and Equipment	San Agustin Alaminos Laguna	0
Other Wholesa	aling/ Other Service Activities		
	Tatay Aba Coconut & Copra Dealer	San Andres Alaminos Laguna	0
Heuclid T.	Abba's Best Commercial	San Benito, Alaminos, Laguna	8

Business Owner	Business Name	Address	No. of Empl oyees
Ong	Distributor, Inc.		
Lilia A. Aporo	Lilia Aporo Broom Enterprises	273 Bagong Silang St., Brgy. 1- Alam., Lag.	2
Randall Ray M. Dimayuga	RRJ Extreme Trading	22 San Ildefonso, Alaminos, Laguna	4
Mary Jane M. Lim	Ricci & Mencius Trading Enterprise	232 San Agustin Alaminos Laguna	0
Sharlene Kim D. Salanguste	Rhaijin& Lorenz Trading	San Benito, Alaminos, Laguna	1
Richard G. Feraldo	Richard's Rosemarie General Merchandise	Brgy 2 Alaminos Laguna	0
Leila R. Castillo	Castlerey Enterprises	Brgy. III, Alaminos, Laguna	3
Leila R. Castillo	Castlerey Enterprises	San Agustin, Alaminos, Laguna	1
Pawnshop Ope	erators		
HL Villarica Pawnshop, Inc.	Villarica Pawnshop	Brgy. IV, Alaminos, Laguna	4
Paragua Pawnshop & Financial Services, Inc.	Palawan Pawnshop & Palawan Express PeraPadala	Brgy. III, Alaminos, Laguna	1
Michel J. Lhuillier	Michel J. Lhuillier Financial Services (Pawnshop) Inc	Del Pilar St. Alaminos Laguna	6
Rosalina P. Garcia	Nuestra Señora del Pilar Pawnshop	del Pilar St., Brgy. 1V, Alaminos, Laguna	0
Raquel Pawnshop, Inc.		Del Pilar St. Brgy4 Alamnos Lag.	2
Poultry Farmin	ng		
Meynardo F. Monzones	M.F.M. Poultry Farm	Brgy.San Andres Alaminos Laguna	2
Romeo S.Faylon	IA Marketing	Del Pilar St. Brgy.1 Alaminos Laguna	2
Bernard DykhengFayl ona	Bernard Dykheng Farm	Palma 1 Alaminos Laguna	6
Natividad A. Gallivo	Acel and Joy Farm	319 Brgy. San Roque Alaminos Laguna	2
Natividad A.Gallivo	Poultry Farm	San Miguel Alaminos Laguna	2
Joselito Cubillejo	Lito Poultry Farm	Brgy.Sta. Rosa Alaminos Laguna	5
Ramon C. Sarmiento	Monsa Poultry Farm	San Andres Alaminos Laguna	5
Virgilio F.Monzones	VIRM POULTRY FARM	San Andres, Alaminos, Laguna	6

Business Owner	Business Name	Address	No. of Empl oyees
Neil S. Macasaet	Macasaet Poultry Farm	de Villa St., Brgy. 111, Alaminos, Laguna	3
Erwin Bonifacio B. Agra	E. Agra Poultry Farms	Palma 1, Alaminos Laguna	3
Ana Gerlie B. Belen	Joshua &Jhayden Poultry Supply	San Miguel, Alaminos, Laguna	0
Moises Belen, Jr.	Justin & Jhayden Poultry Farm	San Miguel, Alaminos, Laguna	0
Marco D. Bondad	Marco Bondad Farm	del Carmen, Alaminos, Laguna	16
Arthur P. Magno	APM Poultry Farms	2 San Miguel, Alaminos, Laguns	10
Mirazon K. Maranan	MNAD Farm	Palma I, Alaminos, Laguna	0
Private Genera	al Secondary Education		
Marcelino Fule Memorial College		Del Pilar St. Alaminos Laguna	16
Private Medica	al, Dental, Other Health Services		
Jonathan G. Soriano	Saint Odile Surgicenter	360 del Pilar St., Brgy. 1 - Alaminos, Laguna	2
Ceasar M. Maldia, Jr.	Blesces Clinical Laboratory	Del Pilar St. Brgy1 Alaminos Laguna	3
Dr. Clarinda S. Magampon	Clinic	F. Fule St., Brgy. 1V, Alaminos, Lag.	1
Pedro J.Castillo	St. Clement Medical Clinic	D.Fandino St., Brgy.3 - Alaminos, Laguna	16
Kevin William S. Oro	KW Oro Optical Clinic	del Pilar St., Brgy. 11-Alaminos, Laguna	0
Maria Dolores D. Monzones	DBD Clinical Laboratory	Del Pilar St. Alminos Laguna	2
Almario G. Sisante	St. Jude Dental Clinic	84 F. Fule St., Brgy. 1, Alaminos, Laguna	2
Private Pre-Scl	hool Education		
Andy E. Tan	Maranatha Christian Academy	Brgy. II, Alaminos, Laguna	2
Matilde M. Ticzon	Cresmat Learning Center	Del Pilar St. Alaminos Laguna	6
Private Pre-Scl	hool, Elementary, Secondary Ed	ucation	
Palm Valley Multiple Intelligence School, Inc.		AHS, Brgy. 111- Alaminos, Laguna	6
Imelda C. Matienzo	St. Paul Learning School of Alaminos, Laguna Inc	Alaminos Heights Subd. Alaminos Laguna 4001	0

Business Owner	Business Name	Address	No. of Empl oyees		
Real Estate Ac	Real Estate Activities on a Fee or Contract Basis				
Azucena C. Perez	Azucena Calaguaz Perez Building	Del Pilar St. Alaminos Laguna	0		
Citihomes Realty, Inc.		San Agustin, Alaminos, Laguna	4		
Arceli E. Guron	Business Rental	San Benito Alaminos Laguna	0		
Arceli E. Guron	Real Estate Property(EG Compound)	San Benito Alaminos Laguna	0		
Lynville Realty And Development Corporation		San Benito, Alaminos, Laguna	54		
Sr. Sto. Nino de Cebu Resources and Dev't. Corp.		San Benito, Alaminos, Laguna	5		
Lynville Properties & Landholdings Corporation		San Benito, Alaminos, Laguna	0		
, c	letal Waste, Scrap				
Dennis B. Belda	GDCJ Scrap Trading	San Benito, Alaminos, Laguna	0		
	tands, kiosks and counters				
Marlon L. Belen		del Pilar St., Brgy. 11, Alaminos, Laguna	0		
Rigor G. Cabael	C-FerriSiomai Haus	D. Fandino St. Brgy,3 Alaminos Lag.	2		
Regular Comm	nercial Banking				
Perla D. Templado	Luzon Development Bank	Public Market Alaminos Laguna	4		
Renting of Con	nputers & Computer Peripheral	Equipment			
Alvin S. Castillo	Castle Expert Computer Shop	Del Pilar St. Brgy. 1 Alaminos, Laguna	2		
Dante Jr. C. Castro	JDC Computer Shop	Brgy II Alaminos Laguna	0		
Maria Pilar A. Flores	Pilar Place & Computer Shop	del Pilar St., Brgy. 1, Alaminos, Laguna	0		
Benjie M. Ticson	Jaybok's Comp Shop	68 Del Pilar St. Alaminos Laguna	1		
Liezel D. Samson	Accruebytes Internet Shop	Rizal St. Brgy.3 Alaminos Laguna	0		
Restaurant, cafes, fast food centers,Bars, Canteens, Eating and Drinking Places					
Victoria A.Carandang	Vicky and GervieVedeoke Bar	San Juan Alaminos Laguna	0		
Philippine	7-11 Food Store	Del Pilar St.Brgy.4 Alaminos	6		

Business Owner	Business Name	Address	No. of Empl oyees
Seven Corp.		Lag.	
Reynaldo F. Latayan	RFL 371 Videoke Bar	San Juan, Alaminos, Laguna	0
Amado C. Reyes	Dadi'sVideoke Bar	San Juan, Alaminos, Laguna	0
Rio R. Enriquez	Pawid R2 Restobar	de Villa St., Brgy. 111, Alaminos, Laguna	1
Esperidiondel a Peña	Dubai Resto Bar	San Juan Alaminos Laguna	0
Jocelyn F. Espinosa	Joy-ArthVideoke Bar	San Juan Alaminos Laguna	0
Racel A. Montoya	Royal Palm Paradise Resort & Spa Co.	San Agustin, Alaminos, Laguna	3
Mary Liza Ponayo	Tapico De Coffee Shop	San Benito Alaminos Laguna	4
Mary Liza Ponayo	Satori Japanese Restaurant	San Benito Alaminos Laguna	5
Retail in Non-S	Specialized Store		
Alfredo M.Chavez	Maring&Dennis Sari-Sari Store	Public Market, Alaminos, Laguna	0
Zelda D. Marciano	Rozelle Sari-sari Store	Public Market, Alaminos Laguna	0
Lorelie S. Argote	Mini Sari-sari Store	San Andres Alaminos Laguna	0
Retail in Non-S	Specialized Stores (Department S	Stores)	
Redindo S. Donato	RS Donato Store	F.Fule St.Brgy,1 Alaminos Laguna	1
Raquel N. Lacson	JARB Merchandise	64 Baylon St., Brgy. 111, Alaminos, Lag.	4
Retail in Specia	alized Stores: Food, Beverages, T	Tobacoo	
MailaL.Malic ad	Aidan Mai Store 1	Baylon St., Brgy.3 - Alaminos Laguna	0
Maila L. Malicad	Aidan Mai Store 2	Baylon St., Brgy. 3 - Alaminos, Laguna	0
Eddie O. Averion	Lanie & Eddie Sari-Sari Store	del Pilar St., Brgy. 111, Alaminos, Lag.	2
Dulce G.Fandino	Jenny Joyce Pasalubong Store	San Andres Alaminos Laguna	0
Southpark Chicken Foodhaus Corp. (AndoksLitso n)		del Pilar St., Brgy. 1, Alaminos, Laguna	10
Retail of agricultural supplies			
Ma. Lovella V. Capuno	Dedeth&Zaki Enterprises	Mabini St. Brgy.3 Alaminos Laguna	1
Melecia C.	Quezon Farmers' Agricultural	Del Pilar St., Brgy. 1 Alaminos	4

Business Owner	Business Name	Address	No. of Empl oyees
Danta	Supply	Laguna	
Abegail B. Torres	Abraizel Trading	258 San Ildefonso, Alaminos, Laguna	1
Retail of Books	s, Office / School Supplies		
Normalyn I.	Mari-John General	23 Lt. de Villa St., Brgy 111,	0
Macasaet	Merchandise	Alam., Laguna	U
Retail of Lique	fied Petroleum Gas, Other Fuel	Products	
Suncrest Gas CorpRetail Outlet (RegasoBrand		San Juan, Alaminos, Laguna	2
Teresita F. Esguerra	EFG Marketing	Del pilar St., Alaminos Laguna	2
Richard M. Tan	Pryce Gases, Inc.	San Juan Alaminos Laguna	13
Jose Melchor J.Enriquez	Optimum Gas Energy, Inc.	San Juan Alaminos Laguna	11
Edwin M. Mojica	Edchel Marketing	del Pilar St., Brgy.1 - Alaminos, Laguna	1
Robert Niño M. Bernardo	Robert Niño Bernardo Gas Station	San Agustin, Alaminos, Laguna	8
Petron Corporation		San Juan, Alaminos, Laguna	1
Total Elite Gasoline Station, Inc.		San Juan, Alaminos, Laguna	2
Total Elite Gasoline Station, Inc.		San Juan, Alaminos, Laguna	17
	nal & household goods		
Florizel C. Magampon	Sari Sari Store	Brgy III - Poblacion, Alaminos, Laguna	0
Jonalyn H. Maranan	KARLKIRK RICE DEALER	E. De Villa St., Alaminos, Laguna	1
Belen E. Rabino	Sari Sari store	San Juan, Alaminos, Laguna	0
Humbelina C. Enriquez	Humbelina's Sari-Sari Store	San Agustin, Alaminos, Laguna	0
Ederlita L. Magampon	Mean & Kaela Store	San Juan, Alaminos, Laguna	2
Ruby V. Gucor	Christian's Baking Supply	Baylon St., Brgy. 111 - Alaminos, Laguna	0
Patricia B. Halili	Halili Store	San Juan, Alaminos, Laguna	0
Nicetas M. Galiito	Nicetas Store	San Ildefonso, Alaminos, Laguna	0
Don Loubert A. Hernandez	DCSH Enterprises	D. Fandino St. Brgy,3 Alaminos Lag.	2

Business Owner	Business Name	Address	No. of Empl oyees
Jose E. Reyes	Jose Reyes Sari-sari Store	Brgy III - Pob., Alaminos, Laguna	0
Retail of pharm	naceutical, medical, cosmetic, to	ilet articles	
Nemesio Jude III A. Villa	Generika Drugstore	Del Pilar St., Brgy. 4 - Alaminos, Laguna	8
Cynthia V. Cortez	VillecortMerchadise	F.Fule ST.Brgy.1 Alaminos Laguna	0
Madonna A. Maloles	FairMed Drugstore	31 del Pilar St., Brgy. 111, Alaminos, Laguna	1
Danilo T. Osmeña 111	PJD & O Laboratory Equipment Services/Sari-Sari Store	56 D. Fandiño St., Brgy. 111, Alaminos,Lag.	0
Henry M. Abrigo	Darmae Enterprises	109 San Agustin, Alaminos, Laguna	2
Maria Lilia E. Villabroza	The Generics Pharmacy	M.H.Del Pilar St. Brgy 4	2
Carlos Miguel A. Villena	Dermgenics Organic Beauty Products	Tierra Dal Alma Subd. Brgy. Sta Rosa Alaminos Laguna	0
Retail of Textil	es, Clothing, Footwear, Leather	Goods	
Ana Maria A. Matibag	Eijay's Merchandise	D. Fandino St., Brgy.III, Alaminos Lag.	0
Billy M. Villanueva	Eserb Dry Goods Store	Baylon St., Brgy.3 - Alaminos, Laguna	1
Retail Sale in N	Non-Specialized Store		
Norma D. Angeles	Angeles Sewing Machine Retail Center	231 San Juan, Alaminos, Laguna	0
Modesta M. Tiquis	Ding-Ric Chicken & Eggs Store	LynvilleSubd., San Agustin, Alam., Lag.	2
Romeo A. Temprosa	Bio Ray Enterprises	75 del Pilar St., Brgy. 1V - Alaminos, Laguna	2
Retail Sale of A	Automotive Fuel		
Exdel Supplies Corporation – Phoenix		San Juan, Alaminos, Laguna	10
Retail Sale of b	ook offices/school supplies		
Rowena L. Escueta	Tam Tori School Supplies	San Benito, Alaminos, Laguna	0
	ardware, paints and glasses		
Violeta M. Pareja	Italvill Hardware	San Juan Alaminos Laguna	2
Pia S. Ramos	AVS Hardware	Brgy. San Agustin Alaminos, Laguna	0
Alvin A. Villanueva	Alexian Trading	Alaminos Public Market Alam., Lag.	1
Ronaldo L. Miranda	5A Alaminos Trading	M.H.Del Pilar St. Brgy.1 Alam.Lag.	16
Renante S.	Donato's Trading	F.Fule St. Brgy,1 Alaminos	15

Business Owner	Business Name	Address	No. of Empl oyees
Donato		Laguna	
Art Russel A. Montoya	Sunrise Rock Builders Construction & Electrical Supply	del Pilar St., alaminos, Laguna	2
Ester P. Espana	QWS Hardware	San Juan, Alaminos, Laguna	0
Retail Sale Via	Stalls & Markets		
Ruel L. Anquilo	Dry Fish	De Villa St., Brgy. 3 - Alaminos, Laguna	0
Ralph Kirby L. Mantupar	Thalit'z Fruits And Dry Fish	Public Market, Alaminos Laguna	2
Jessica B. Nayle	Alyzza Venice's Variety Store	Mabini St. ,Brgy. 111-Alaminos, Laguna	0
Rose Ann A. Montecillo	Totzky Souvenir Shop	Mabini St., Alaminos, Laguna	1
Ariston S. Basilan	ARAJ Store	San Pedro, St. Brgy.3 - Alaminos Laguna	0
Randy P.Banzuela	Gob's General .Mdse.	M.H Del Pilar St. Brgy. 3 - Alam., Lag.	4
Emelito M. Maliksi	Meat Vendor	Public Market, Alaminos, Laguna	0
Eduardo A. Asprec	Edy &Ofel Meat Stall	Lt. de Villa St., Brgy 111 - Alam., Laguna	0
Bayani O. Salazar	Nameless Sari-Sari Store	Brgy III - Poblacion, Alaminos, Laguna	0
Elda G. Zarate	KUNDU Trading	Public Market	2
Lodito L. Herrera	Chicken Meat Shop	Baylon St. Alaminos, Laguna	1
Mila A. Dy	Mila's Store	Public Market Alaminos Laguna	0
Arnold D. Bansil	Botnoy Sari-Sari Store	San Agustin, Alaminos, Laguna	0
Alex C. Nayle	Alyzza Jeal's Variety Store	Public Market Alaminos Laguna	0
Vince Germiland D. Apostol	Agrilivestock Supply	Public Market, Alaminos, Laguna	0
Marcela R. Alzona	M.R Alzona Enterprise	D. Fandiño St., Brgy. III- Alaminos, Lag.	0
Catherine R.Cortez	Seawest Sari Sari Store	San Benito Alaminos Laguna	0
Jasper C. Villegas	M310 Rice &Feeds Supply	Del Pilar St. Brgy. 3 Alaminos Lag.	2
Janice S. Ebarle	Janice Ebarle Food Stand	Brgy III Poblacion Alaminos Laguna	0
Louella P. Babia	RCL Store	Brgy. San Agustin Alaminos Laguna	0
Donato D.Brion	Ato& Nerie Rice & Feeds Supply	Public Market, Alaminos Laguna	2

Business Owner	Business Name	Address	No. of Empl oyees
Jocelyn F. Fandiño	NJFR Meat Stall	Public Market, Alaminos, Laguna	0
Lorna B.Napa	Lensley's Store	Public Market Alaminos Laguna	0
Edward A. Pajanonot	EnorLitsonManok	Del Pilar St. Brgy 3 Alam. Lag.	0
Loreta M. Maleon	Vegetable Store	E. De Villa St. Alaminos Public Market	0
Loreta M. Maleon	Vegetable Store	E. De Villa St. Alaminos Public Market	0
Julieta A. Marasigan	Marasigan Store	E. De Villa St. Alaminos Public Market	0
Cesar Z. Abrigo	Abrigo's Poultry Supply	De Villa St. Bgry,3 Alaminos Laguna	0
Glenda M. Castillo	GM Castillo's General Merchandise	35 Baylon St., Brgy. 111, Alaminos, Lag.	0
Precilla M. Carada	Chang's Mamian	Brgy. III, Alaminos, Laguna	0
Jessie P. Aguila	Jessie & Claris Store	Brgy. III Poblacion, Alaminos, Laguna	0
Shirley B. Valdivia	Ukay	Public Market, Alaminos, Laguna	0
Julio M. Garcia	Etay Store	Public Market Alaminos Laguna	0
Cherry C. Pineda	Kuya Jay & Ate Che Eatery	Mabini St. Brgy.3 Alaminos Laguna	3
Ann Margarette J. Tanzuaco	J316 Trading	Del Pilar St. Brgy,3 Alaminos Lag.	0
Nerissa A. Brion	Rice & Poultry Supply	Public Market Alaminos Laguna	0
Remile M. Quiatchon	Fish Vendor	Public Market Alaminos Laguna	0
Jesusa R. Onera	Vegetable Vendor	Public Market, Alaminos Laguna	0
Gladys D. Thompson	7G's Meatshop	Public Market, Alaminos Laguna	0
Jovelyn V. Martinez	Lucy Store	Public Market Alaminos Laguna	0
Rowena M. Sagario	Unyot&Whena Meat Vendor	de Villa St. Alaminos, Laguna	0
Edwin I. Rivera	EIR General Merchandise	Public Market	1
Edlyn V. Maliksi	Maliksi Store	Public Market Alaminos Laguna	0
Aljhon F. Manalo	Tony &Lilet Chicken Vendor	Public Market Alaminos Laguna	0
Moises C. Matibag	Sari Sari store	Brgy. IV, Alaminos, Laguna	0
Nena L.	Nena's Fish Stand	Public Market	0

Business Owner	Business Name	Address	No. of Empl oyees
Herrera			<i>J</i> :
Victoria R. Bondad	Meat Vendor	Public Market	0
Angelita B. Canon	Meat Vendor	Public Market	0
Merly Masa	Saw saw store	San Andres Alaminos Laguna	0
Analyn C Maliksi	Fish Vendor	Brgy III Pob., Alaminos Laguna	0
Juan B. Mueco	JGMB Store	Baylon St., Brgy. 111, Alaminos, Laguna	2
Eden A. Lizardo	Custom Plus Enterprises	Brgy. San Juan Alaminos Laguna	2
Mila A Lidan	Mila Fish Vendor	Brgy III Poblacion Alaminos Laguna	0
Rollen F. Gallivo	Rollen Feeds & Poultry Supply	Public Market	0
Rollen F. Gallivo	Rollen Grocery	Public Market	0
Jessie C.Flores	JissieKayuranNg Niyog	Public Market Alaminos Laguna	0
Jessie C.Flores	Jissie& Marivic Store	Public Market Alaminos Laguna	0
Wilma T Helera	Chicken Vendor	Alaminos Public market	0
Novien L. Averion	Meat Vendor	Public Market Alaminos Laguna	0
Teresita B. Zuniga	Dry Good Store	Public Market, Alaminos Laguna	0
Roderick D. Oracion	Malta's Cyber Café	36 Mabini St., Brgy. 111, Alaminos, Laguna	0
Veronica V. Alvarez	Meat Vendor	Public Market, Alaminos Laguna	0
Liza A. Digno	Liza's Sari Sari store	Brgy San Agustin Alaminos Laguna	0
Filipina DC. Herrera	Bheck Fish Vendor	Public Market Alaminos Laguna	0
Filipina DC. Herrera	Bheck vegetable Vendor	Public Market Alaminos Laguna	0
Nicolas T. Dayao	KuyaNicktoMeatshop	Public Market, Alaminos Laguna	0
Corazon P. Deocareza	Azon Store	Brgy San Benito, Alaminos Laguna	0
Rowena B. Hernandez	Rowena's Carideria	De Villa St. Alaminos, Laguna	0
Rosally S. Francisco	Soling Store	Public Market, Alaminos Laguna	0
Wilson G. Suarez	Wilson's Sari-Sari Store	Public Market, Alaminos, Laguna	0

Business Owner	Business Name	Address	No. of Empl oyees
Evelyn M. Saldua	Joyce & Joshua Eatery	Public Market, Alaminos, Laguna	4
Ria Ann M. Agnote	B31 Toys and Accesories	34 Baylon St., Brgy. III - Alaminos, Lag.	0
Madonna A. Latobe	Vegetable and ihawihaw	Brgy III - Poblacion, Alaminos, Laguna	0
Nelson P. Sulindom	Peanut Vendor	Alaminos, Laguna	0
Ma. Elena D.Bertol	Kcee at Angel Sari-Sari Store	Public Market	0
Nabil H Biston	Hanabel Footwear Store	Bailon St. Pob. III Alaminos, Lag.	1
Arlene B. Pascua	ABP88 General Merchandise	Public Market, Alaminos, Laguna	0
Rosalinda A. Aningalan	Vinnie's Home Furnishing &Gen.Merchadise	Del Pilar St Brgy.4 Alaminos Laguna	2
Gordon Yu Chua	Geordan Commercial	del Pilar St., Brgy. 11 - Alaminos, Lag.	1
Johnart V. Agustin	Jironicken Merchandising	Brgy III (pob), Alaminos, Laguna	0
Rina P. Fineza	Azriella&Wacky Store	Public Market, Alaminos, Laguna	1
Erlie E. Gonzales	Colleen, Matthew & Cello Store	Alaminos Public Market	4
Felomina C. Mondragon	Vegetable fEly Store	Public Market, Alaminos, Laguna	0
Nilda D Mantupar	Nilda's Puto	Public Market	0
Robert M. Baldivia	Rice Store (Kuya Bert Rice)	Brgy III Poblacion Alaminos Laguna	0
Flora S. Ramirez	Flor Ramirez Fish Vendor	Alaminos Public Market	1
Aileen M. Padilla	Romy & Aileen General Merchandize	Baylon St., Brgy. 111, Alaminos, Lag.	0
Mara Monica R. Rodillas	Mara Monica Yema Cake	del Pilar St., Alaminos, Laguna	1
Lourdes B. Enriquez	R & L Feeds and Rice Retailer	De Villa St. Alaminos, Laguna	1
Drug Stores			
Mercury Drug Corporation (Essential)		Del Pilar St. Brgy,3 Alaminos Lag.	17
Retail Sale Via	Stalls and Markets		
Morris Roderick U. Paredes	Lechon Manokni Sr. Pedro (RodjazFoods)	Del Pilar St. Alaminos Laguna	2
Retail of Liquefied Petroleum Gas, Other Fuel Products			
Gaz De Bay, Inc. (San Juan Alaminos Laguna	7

Business Owner	Business Name	Address	No. of Empl oyees
Alaminos			
Branch)			
Perry's Fuel Distribution	Fuel Distribution	Con Ivan Alaminas I aguna	0
Inc.	ruei Distribution	San Juan Alaminos Laguna	U
Rural Banking			
Rural Bank			
Of Dolores		D.Fandino St. Brgy.3 Alaminos	
(Quezon),		Lag.	6
Inc.		Lug.	
Arnel B.		Del Pilar St. ,Brgy.1 - Alaminos	
Palmones	Card Bank Inc. Alaminos Unit	Lag.	6
UCPB Saving		Del Pilar St. Brgy.1 Alaminos	
Bank, Inc.		Lag.	6
Quezon			
Capital Rural		Del Pilar St., Brgy 3 - Alam.	
Bank, Inc		Lag.	7
Alaminos		Lug.	
Branch			
	arts & Accessories		ī
Dennis A. Mendoza	Mendoza Auto Supply	M.H Del Pilar St. Brgy.4 Alam. Lag.	0
Ann			
Charmaine A.	Precious Ace Auto Supply	del Pilar St., Alaminos, Laguna	1
Montoya			
Social Work w	ithout Accommodation		
Asa			
Philippines		Del Pilar St. Brgy.1 Alaminos	5
Foundation,		Lag.	
Inc.			
Storage and W	arenousing		
Sta. Clara International		San Andres, Alaminos, Laguna	2
Corporation		San Andres, Ataminos, Lagulla	<u> </u>
Saveway		Fantastic Coliseum, San Benito,	_
Shoppers, Inc.		Alam., Lag.	28
Remelita M.	D 0 5	-	_
Guevarra	Remy Store/Bodega	Public Market Alaminos Laguna	0
Trucking Servi	ices		
Edgardo A			
.Paynor	Rustic Clear Cable Corporation	San Benito Alaminos Laguna	4
Edgardo A	Talmana Camaa di	Con Donite Alemain I	10
.Paynor	Telmarc Corporation	San Benito Alaminos Laguna	18
Telecommunications Count			
Rolly C.	D-11 W7 1 W	Malaini Ca Al	1
Baldo	Roll Wide Venture	Mabini St. Alaminos, Laguna	1
Veterinary Act	ivities		
Flori Ann M.	Annica's Pet Place	del Pilar St., Brgy. 1, Alaminos,	2

Business Owner	Business Name	Address	No. of Empl oyees
Buiser		Laguna	
Christy Paula L. Basilan	Bark Village Grooming and Veterinary Services	238 San Juan, Alaminos, Laguna	4
Wholesale of F	ood, Beverages &Tobacco(5122)	, Retail of Pharmaceutical'	
Rosemarie A. Abrigo	Rosestone Trading Company	San Agustin, Alaminos, Laguna	1
Wholesale of o	ther Intermidiate Products, Was	te, Scrap	
Denis J.Laurio	D.J. Laurio Junk Shop	San Benito, Alaminos Laguna	1
	Wholesale of Solid, Liq	uid,Gaseous Fuels	
Oro Oxygen Corporation		San Juan Alaminos Laguna	13
Wholesale on a	Fee or Contract Basis		
Elvira D. Sarmiento	CY &Rish Boutique	Brgy. III, Alaminos, Laguna	0
Merilyn C. Nayle	Jhaira's Boutique	Brgy. 111, Alaminos, Laguna	0
Ramon C. Flores	Pikesville Modular Cabinets & Office Furniture	LynvilleSubd., San Agustin, Alam., Lag.	2
Wholesale on a Fee or Contract Basis/Other Service Activities			
Henry M. Abrigo	Victory 77 Ventures	109 San Agustin, Alaminos, Laguna	1
Russel C. Arida	145A Distribution	145 San Ildefonso, Alaminos, Laguna	1

Source: BLPO, 2018