



# PAGHUHUGPO: A PROPOSED REDEVELOPMENT PLAN OF NINYO AQUINO PARKS AND WILDLIFE CENTER



## Site Background

The Ninoy Aquino Parks and Wildlife Center (NAPWC) is one of the 94 legislated protected areas in the Philippines under the Expanded National Integrated Protected Areas System (ENIPAS) Act of 2018 or RA 11038. Also known as the "Nature Park in City's Heart", NAPWC serves as an oasis in a highly urbanized environment where various species of flora and fauna can be found.

## Design Rationale

To design an ecological park development of Ninoy Aquino Parks and Wildlife Center. The ecological landscape design is to support the ecotourism development plan of the site, the attunement to the affected institutions (PAMB, DENR, etc) and local communities, and other protection regime within Ninoy Aquino Parks and Wildlife Center.

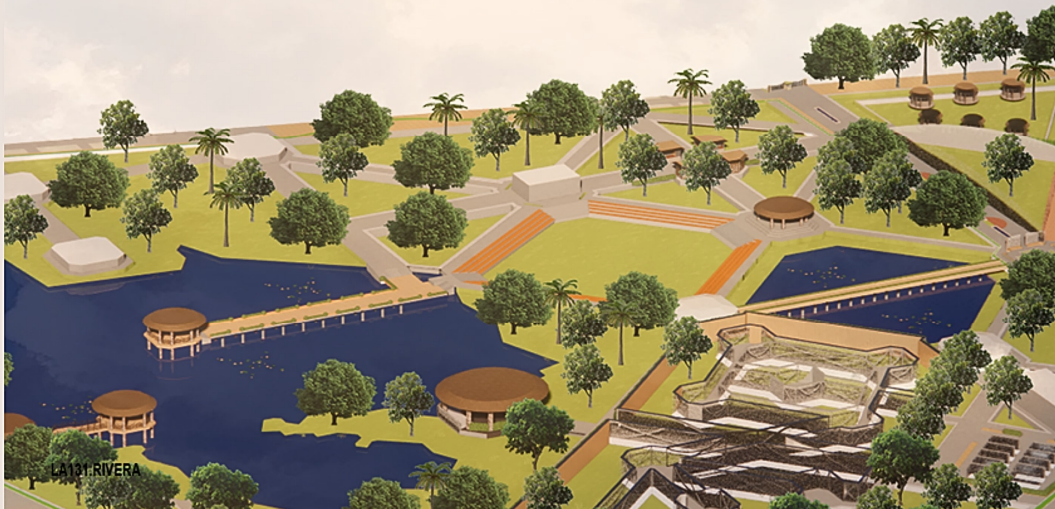


SITE ROADS

EXISTING STRUCTURES

EXISTING VEGETATION

SITE ANALYSIS



LA131.RIVERA



## PESTLE ANALYSIS

### POLITICAL

The issuance of Proclamation Nos. 481 and 616, certain parcels of land were allotted for the National Government site purposes and Philippine Science High School respectively.

NAPWC is co-chaired by the Assistant Secretary for Climate Change and concurrent BMB Director, and the DENR - NCR Regional Executive Director, with members composed of representatives from the Senate, Congress and LGUs having territorial jurisdiction over the area; Regional Directors of the following government agencies, namely: the Department of Agriculture, the National Economic and Development Authority, the Department of Science and Technology, the Philippine National Police and the Department of National Defense; and representatives from an NGO/PO, the Academe and the Private Sector.

### SOCIAL

The NAPWC is a facility that brings people closer to nature and aims to improve the quality of life for those living in and around natural areas.

NAPWC offers facilities that bear witness to a number of special and milestone events time and again e.g Amphitheater, Fishing Wiage, Tea House, and Picnic Shed.



### ECONOMIC

NAPWC Generated Income e.g Entrance Fees, Parking Fee, Facility Rental and Commercial Filming.

NAPWC Protected Area Retained Income Account (PARIA) Allotment.

REPUBLIC ACT NO. 9147 SECTION 11. Exportation and/or Importation of Wildlife. Wildlife species may be exported to or imported from another country as may be authorized by the Secretary or the designated representative, subject to strict compliance with the provisions of this Act and rules and regulations promulgated pursuant thereto: Provided, That the recipient of the wildlife is technically and financially capable to maintain it.

### TECHNOLOGICAL

The NAPWC has an artificial lagoon which measures 4 hectares, and its depth ranges from 3 to 15 feet. It is one of the attractions that draws visitors to visit the area.



### LEGAL

Expanded National Integrated Protected Areas System (ENIPAS) Act of 2018 or RA 11038

The Wildlife Act or RA 9147

Ministry of Natural Resources Administrative Order No. 4 series of 1986

### ENVIRONMENTAL

It boasts a total of more than 3,000 individual trees of 108 species, which may be attributed to tree planting activities conducted for the past years. Based on the 2016 survey by the University of the Philippines-College of Forestry and Natural Resources of Los Baños, 75 of these tree species are native while 33 are exotic. Thirteen tree species have also been found to be endemic to the country, including katmon, kamalig and niog-niog, among others.

It has been recorded that there are 6 species of amphibians; 1 species of reptiles; 2 species of mammals; and 29 species of birds that can be found in the park. Nine (9) species of fish can also be found in the lagoon which includes tilapia, carp, mudfish, gourami, sand goby fish (biya), catfish and silver theraponid.

### SWOT ANALYSIS

#### STRENGTH

Legal- Expanded National Integrated Protected Areas System (ENIPAS) Act of 2018 or RA 11038 and The Wildlife Act or RA 9147

Political- NAPWC Jurisdictions or Government, NGO, and private sectors partnership.

Economical- The income generated by NAPWC for the maintenance of the protected area. The import and export of faunas to foreign countries can also be a good platform to raise awareness of the types of wildlife in the Philippines and further boost the welfare assistance of the faunas.

#### WEAKNESSES

Political- The issuance of Proclamation Nos. 481 and 616, reducing the lot size of the site.

Economical- Due to the reduction of the lot size the faunas welfare can also be affected because of the space restrictions.

#### OPPORTUNITIES

Social- With its aim to improve the quality of life for those living in and around natural areas, it is a good change to design spaces and facilities that will help to enhance the experiences.

Technological- The artificial lagoon is a starting point for more innovations such as introducing the use of natural resources e.g solar panels etc. to the site.

#### THREATS

Environmental- The current number and the area allotted to faunas can give uncomfortable home for the wildlife and these situation should be address by improving the state of their shelter and welfare.

## PESTLE AND SWOT ANALYSIS INTERPRETATION

In summary, the current state of Ninoy Aquino Parks and Wildlife Center (NAPWC) consists of laws protecting the rights and welfare of the ecologue and providing nature experience and gathering facilities resulting in the development and improvement of the national park. The SWOT analysis further proves that there problems, in terms of the total lot size allotted to the NAPWC, that through the social and technological opportunities it can help for the betterment of the site. Also, by improving the economical state of floras and faunas.

### TOPOGRAPHY MAP



LEGEND ELEVATION



### THEMATIC MAP



LEGEND POPULATED AREA



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**DESIGN CONCEPT**

The Design Concept of the designer for Ninoy Aquino Parks and Wildlife Center is "Turtle". This is a fauna that is both friendly to the environment and the people. The Turtle Concept was thought of because the site caters floras, faunas, and different activities for the people making it friendly to all living things. Same with the impression of a "Turtle" that it is one of the faunas seen in the site that for the people it symbolizes as protection, retreat, healing, tranquility, the Earth, and transformation which further touch the NAPWC mission of giving nature opportunities in a highly urbanized environment, with areas for play, nature appreciation and gain delightful experience; and where one can also learn about Philippine wildlife and nature conservation.

**DESIGN THEME**

The Ecotourism Architecture is the Design Theme of Ninoy Aquino Parks and Wildlife Center (NAPWC). Through the NAPWC vision to be a world-class tourism destination and a venue for biodiversity conservation and education on Philippine endemic and rare flora and fauna, it reflects on the chosen theme describing the expression of natural surroundings through space that are well integrated within the surrounding environment and understand the local livelihood, art, and culture.

**DESIGN THEME**

The Design Philosophy will ponder upon Green Architecture because it advocates sustainable energy sources, the conservation of energy, the reuse and safety of building materials, and the siting of a building with consideration of its impact on the environment that will support Ninoy Aquino Parks and Wildlife Center to stand as an Ecotourism site in Quezon City.

**DESIGN THEORY**

**Environmental Psychology**

Environmental Psychology - Environmental psychology is a branch of psychology concerned with how humans interact and engage with their surroundings, as the definition suggests. It has deep roots, yet it is still a young field as far as established fields go (Spencer & Gee, 2009).

Placemaking - Jane Jacobs and William H. Whyte introduced ideas that became the basis for the development of placemaking.

"Their vision for lively neighborhoods, welcoming public spaces, and communities that truly meet the needs of their residents on multiple levels was one of the most important contributions to the later development of this concept."

Geographical Determinism - Environmental factors can have a huge impact on what we value as a society and how we live and work together.

**CONCEPT FORMATION**



**SITE DEVELOPMENT PLAN**



**ELEVATION**



**1 ELEVATION A**  
LA04 SCALE 1:250m

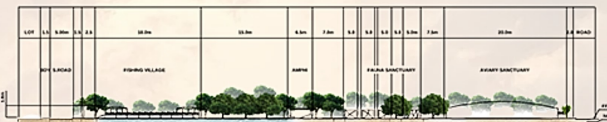


**2 ELEVATION B**  
LA04 SCALE 1:250m

**SECTION**



**3 CROSS SECTION**  
LA04 SCALE 1:250m



**4 LONGITUDINAL SECTION**  
LA04 SCALE 1:250m

