

Chapter 7

Integrating the Action Programs

Summary of Actions

Environment

Target

- Adopt an integrated approach to monitor and improve environmental conditions of Iloilo River.

Actions

1. Create a multi-partite monitoring team to ensure favorable ecological conditions on the different sectors of the river environment. Some proposed Sectoral Monitoring Teams will be composed of the following members:

Mangrove Reforestation Socio-Econ Related Impacts

DENR-EMS	DPWH
DENR-CENRO	DENR-CENRO
CPDO	ICUPAO
City ENRO	CSWD
BFAR	CPDO
DPWH	NGO
City Agriculturist Office	LGU (League of Barangay)

Salinity Intrusion

DPWH
DENR-MGB
DENR-CENRO
City ENRO

MIWD

NIA

CAFC

City Health Office

LGU (League of Barangay)

City Agriculturist Office

ECC General Compliance

DPWH

CPDO

CENRO

Solid Waste

DPWH

ICSWM Board

DENR-EMB

City ENRO

OPS

LGU (League of Barangay)

2. Develop an improve water quality monitoring program through research and utilization of modern technologies that will subject test results to proper evaluation and appropriate intervention by the Iloilo River Development Council.
3. Implement pertinent environmental laws such as Local Fishery Code, Water Code, Environmental Code of Iloilo City and Ecological Solid Waste Management as perceived in the environmental policies of the master plan.
4. Prepare an environmental land use/landscape map that will detail inventory and composition of plants (e.g. trees, shrubs, bushes) found along the Iloilo River bank and a water zoning plan that

will designate areas along the Iloilo River for fishing and non-fishing activities; spawning and breeding grounds for fish and aquatic animals, recreation and eco-tourism as well as other uses as maybe identified by the Iloilo River Development Master Plan.

5. Delineate mangrove management initiatives and ecological programs like “Adopt the River” and “River Watch” to the different barangays located near the river. These will have to be included in their Annual Barangay Development Plan.
6. Encourage amendment of existing City Ordinances pertaining to environmental protection and the adoption of the environmental user fee system.
7. Fully implement projects that pertain to flood control, drainage, dredging, and removal of derelicts; and undertake development of mangrove nursery and tree parks along river banks.

Target

- Make fishing activities more sustainable.

Actions

1. Create an updated geographic information system that will monitor fishing activities along Iloilo River.
2. Support existing policies and protection guidelines provided by the Local Fishery Code;

3. Organize a barangay-based effort (e.g. multi-purpose cooperatives and fisherfolk association) to coordinate post-harvest activities of all fishing operations along Iloilo River.
4. Regulate fish corals and other structures in upstream areas that contribute to siltation;

Land Use

Target

- Formulate innovative zoning strategies.

Actions

1. Come up with a river zoning ordinance that designate areas for specific uses such as socio-cultural events; and revives spaces with historical value like the port house.
2. Establish assessment criterion (e.g. location, distribution, accessibility, type, size and density of use) that will determine, record and classify Iloilo River's existing and potential open spaces for a dynamic open space system.
3. Consider urban design policies identified in the master plan especially in approval of permits for development along the river.
4. Require property owners to develop idle properties in the waterfront area.
5. Impose formulated architectural design standards on all building façade located along riverbanks.

Socio-Economic

Target

- Provide for the needs of permanent barangay residents and displaced informal settlers.

Actions

1. Implement educational, health, sanitation and nutrition programs of the government, as identified in the CLUP, for barangay residents through agencies like DECS, DOH and DSWD.
2. Relocate displaced families as identified by ICUPAO and DPWH in Barangay Sooc.
3. Extend livelihood opportunities for displaced families and fish coral operators.

Target

- Attract Ilonggos to frequent Iloilo River for increased awareness and participation on its development.

Action

1. Organize social events (e.g. concerts, plays, exhibits, etc..) and festivals that will reinforce positive value on the individual.
2. Construct facilities like recreational parks, promenade benches, pocket restaurants, bike lanes, and historical sites to reintroduce Ilonggos to a simpler lifestyle.
3. Enjoin the barangays to assist in the efforts to promote peace and order along the river front.
4. Encourage community based organizations to help promote Iloilo River.

Target

- Oversee the needs of the transient population.

Actions

1. Provide amenities such as well-equipped passenger waiting areas, parking spaces, accessible transport terminals and other ancillary facilities like communication booths that support spin-off activities of the daytime and traveling population.
2. Establish recreational events like guided tours on sites with local landmarks to attract tourist and maximize passenger waiting time.
3. Enjoin participation of barangays in keeping the peace and order situation in public places and maintain facilities along the Iloilo River.
4. Promote visibility of law enforcers in areas frequented by people to ensure safety and create a sense of security among commuters.

Target

- Increase productivity of Iloilo Wharf.

Actions

1. Encourage business establishments along Iloilo Wharf to engage in ventures that cater to spin-off activities such themed restaurants, coffee shops to maximize use of property.

2. Undertake a research study on how to improve Iloilo Wharf productivity, service time and widen market base.
3. Delineate boundaries for Philippine Ports Authority and Iloilo City Government jurisdiction.
4. Enact ordinances and extend financial support to agencies in-charge of Iloilo River wharf for increased efficiency in collecting fees;

Target

- Launch income generating activities to support SMEs.

Action

1. Promote eco-tourism.
2. Operate water taxis.
3. Allocate funds for community based micro-enterprise cooperatives program for affected informal settlers and displaced fish coral operators.
4. Evaluate the advantages of creating natural recreational parks and facilities in Station 1 and 2 for income generation.

Infrastructure and Transportation

Target

- Complete redevelopment of Iloilo River Wharf.

Actions

1. Rehabilitate thoroughfares by concreting or overlaying of asphalt especially along Iloilo River Wharf, JCT; and Hervas to Arroyo Streets, Muelle Loney.
2. Provide berthing facilities and repair of fendering and mooring system, fender walls and RC curbs.
3. Observe prescribed distances between walkways, active roads, parking spaces, and building in granting permits for development along the wharf.
4. Regularly dredge wharf area to increase accessibility and remove all derelicts.
5. Encourage business establishments to adopt prescribed urban design policies contained in the river master plan.
6. Provide incentives for all stakeholders who will partake in development plans, programs and guidelines set by IRDMP.
7. Improve lighting facilities especially along Hervas to De la Rama streets and Hervas to Arroyo Streets; and security measures in the wharf area.

Target

- Improve accessibility, mobility and circulation along Iloilo River.

Action

1. Ensure implementation of existing projects such as the construction of the Jalandoni Bridge and its components.

2. Construction of promenade on selected areas as identified by the IRDMP for increased public accessibility to Iloilo River perimeter.
3. Construct bikeways and walkways to encourage alternative methods of mobility.
4. Provide for the regularization of traffic studies both in land and water transport vehicles/vessels for monitoring purposes.
5. Ensure compliance of the Accessibility Law, ECC Law and National Building Code on all infrastructure projects.
6. Improve existing communication and power facilities to cater to the needs of stakeholders of the proposed river development.
7. Replace dilapidated infrastructure facilities like the Carpenter's Bridge.
8. Encourage the city government to formulate a drainage master plan that will minimize the inundation of city streets without adversely affecting the carrying capacities and environmental quality of Iloilo River and its tributaries.
9. Conduct a feasibility study on operationalizing water taxis to ply the River from the Molo/Arevalo area all the way to the CBD.

11. Adopt appropriate traffic schemes for the proposed roads and bridges across Iloilo River.
12. Establish pedestrian walkways that will connect points of interest along the river.
13. Construct a tree-covered walkway that will follow the course of the new route.
14. Adopt designs and measures to create a secure and attractive cycling, walking and driving environment.

Institutional

Target

- Establish institutional mechanisms that will ensure efficient and effective implementation of the Iloilo River Development Master Plan.

Actions

1. Organize river management office or empower the IRDC to coordinate and implement plans in the proposed river development;
2. Create partnership with locally based-academic/research institutions for relevant research/studies to strengthen data-banking efforts;
3. Conduct continued meetings and consultation with appropriate government, private agencies and academic institution for further development of Iloilo River;

4. Deputize barangay officials in the enforcement of ordinances and laws to regulate activities that will directly affect the river especially on the issue of encroachment of informal settlers along the banks of Iloilo River and its tributaries;
5. Consider transport regulation made by the traffic management team of the inter-agency technical committee on public transport route;
6. Provide for the guidelines on penalties and sanctions to be imposed on law violators of the proposed area of river development;
7. Provide capability building, training and professional development of technical staff of the Iloilo River Development Council;
8. Adopt a regular mechanism for reviewing ordinances, executive orders and other issuances related to Iloilo River; and effect necessary revisions and improvements to better address issues on rehabilitation, protection and development;
9. Integrate the Iloilo River Development Master Plan into the City's Comprehensive Land Use and Zoning Plan revisions.

Urban and Environmental Design Policies

1. Any new development within wharf zone will comply with the following Urban Design Criteria:
 - Retention of the linear street pattern
 - Continuity of traditional building lines
 - Respect for the traditional elevational proportion
2. Applications for planning and construction permits shall be accompanied by sufficient details in accordance with the requirements of PD 1096 - National Building Code and other related building laws. Drawings shall show adjacent buildings in the context of the overall street block.
3. Any proposal for new developments will take into account the following criteria when determining an appropriate building height:
 - Average height of the surrounding buildings
 - Impact of the proposal on the skyline - there will be a general presumption against high rise development except where it may be allowed in principle subject to appropriate design and their effect in skyline.
4. Building front and their signage shall be designed in sympathy with the building of which they form part and with their surroundings and in accordance with the building front design

- guide prepared by the Iloilo River Development Council. Every opportunity will be taken to encourage well designed and well made sign so as to provide additional color, interest and life to the wharf zone, particularly after dark.
5. A programme of strategic urban landscaping will be promoted in the wharf zone and the following opportunities maybe pursued:
 - Planting strip between buildings
 - Integration of plant boxes/pocket landscaping along the building façade
 6. In all old and new buildings, disabled access arrangement shall be incorporate rated to the standards provided in BP374-accessibility law.
 7. Parking areas, active traffic lane and docking area will be the subject of consistent planning and design criteria to avoid obstruction of the two way road network of the wharf zone.
 8. Conservation/restoration of heritage building in the wharf zone should strictly follow the local heritage ordinance of the city.
 - a. All heritage buildings, monuments, street lights and furniture.
 - b. Facade design control shall include reflection of its cornice heights parapet, roof and openings configuration
 - c. For all heritage buildings, there shall be no demolition, major alteration without prior approval of Iloilo City Cultural Heritage and Conservation Council (ICCHCC)
 - d. Unauthorized additions and alterations detracting from the original design of the heritage building shall be removed.
 9. Planning and design of New Subdivisions, and other large scale projects abutting river bank shall integrate prominence as part of the casement requirements/road network to enhance the scenic view of the river. Other opportunities maybe pursued:
 - a. Planning and arrangement of lots building front entrances shall face the river.
 - b. Appropriate landscaping/planting strip along the promenade
 - c. Design of perimeter fence facing the river shall not obstruct the view of the house front yard.
 - d. Promenade lighting shall be an integral part of promenade landscape.
 10. Existing residential and other buildings whose back faces the promenade are encouraged to provide back gardens in any vacant space. The following opportunities maybe pursued:
 - a. Walls & hedges for back gardens shall not exceed appropriate height that will obstruct the view of the river.
 - b. Back gardens must have a minimum of 70% soft landscaping
 - c. All trees are retained
 11. All submitted plans of new building shall include surveys of all trees and shrubs on the sites and adequate landscaping proposal.
 12. The existing areas of amenity open space shall be maintained and imposed.
 13. Existing structures will adopt environmental friendly colors.
 14. The Iloilo River Development Council will generally resist any large scale development or redevelopment that is considered to be out of scale and character with existing surrounding development. The effect of the new development upon the national environment, views, topography and general layout and scale of the area surrounding the application site will be taken to account
 15. Design of existing bridges can also be modified. It may differ based on the different structure of the bridges & the characteristic of the place where it is located. The quality of historical and cultural foundation of the design of bridges shall be addressed by the Cultural Heritage and Conservation Council.

Environmental Policies

1. Mangrove Buffer Zones measuring 20 meters on both sides of river channels/banks will be maintained and developed to enhance protective capability of mangroves against strong currents, wind and waves;
2. Adoption of community based mangrove forest development and management.
3. Sustained information dissemination campaign on the environmental aspect of mangrove management
4. Train people on the technical aspect of mangrove management through local immersion.
5. Estuarine mangroves vegetated with shrubs shall not be disposed for fishpond development as such areas still contribute to the productivity of adjacent marine ecosystem, thus should be rehabilitated.
6. As per article 51 of P.D. No. 1067 or the Water Code of the Philippines, the banks of rivers are subject to a three meter easement for public use in interest of recreation, navigation, floatage and fishing.
7. Improvement of mass media awareness on existing SWM policies.
8. Allocation of local funds for the establishment of SWM facilities and equipments.
9. Implementation of the existing Solid Waste Management Framework Plan.
10. Introduction of a city Comprehensive Drainage and Sewerage Management System through multi-sectoral undertaking.
11. Installation of City Flood Mitigation Program with optimized private sector participation.
12. Establishment of an urban design through the City Planning and Development Office.
13. Preparation and implementation of an environmental quality management program to be coordinated with other sub-sector in environment.
14. Strengthening of existing environmental program and structural arrangement temporarily set-up for the purpose of helping augment current environmental protection and rehabilitation.