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Senate
Office of the Secretary

NINETEENTH CONGRESS OF THE)
REPUBLIC OF THE PHILIPPINES)
First Regular Session)

'22 AUG -1 P1 :37

SENATE
S. No. 966

RECEIVED BY:

Introduced by Senator Grace Poe

AN ACT
FOR THE PROTECTION, CONSERVATION AND REHABILITATION OF
WATERSHEDS SUPPORTING THE NATIONAL IRRIGATION SYSTEM (NIS) TO
ENSURE CONTINUOUS SUPPLY OF WATER FOR AGRICULTURAL
PRODUCTION AND SELF-SUFFICIENCY IN FOOD AND PROVIDING FUNDS
FOR THE PURPOSE

EXPLANATORY NOTE

Water is essential to life and all living things. It is undisputable that without water, there can be no life. To plants, water is critical for growth and good production. Insufficiency in water can lead to low yields that would affect the food availability and sufficiency.

The Philippines is an agricultural country with abundant river systems that can supply the water needs of the farming community, but the agricultural sector has suffered a lot due to the devastation caused by flash floods and rising levels of waters due to excessive surface run-offs from forests and other watersheds that can no longer be contained by the river systems. The damages wrought by the rampaging waters to agriculture and livelihood are immeasurable and what is worrisome is the occurrence of floods every year without letup. The changing weather patterns are being attributed to global warming and climate change is the simplest answer being given every time there is havoc brought about by the increasing volume of rainfall.

While it may be true that we are experiencing the indirect effects of global warming, there are man-made actions that are directly contributory to the devastations brought about by flooding, e.g., man's insensitivity to his environment, the uncontrolled use of our forests and watersheds resources and the indiscriminate use of land resources that should have been reserved for forest use only.

"Deforestation and the large scale transformation of the original vegetation of the country's forest to non-forestry purposes, coupled

with inappropriate land use practices, have in effect disrupted the hydrological conditions of watersheds. These have brought about to some extent, flash floods and prolonged drought. Other adverse consequences are accelerated soil erosion, siltation of water bodies and reservoirs, and poor water quality. Sedimentation has likewise reduced the storage capacity of the country's major reservoirs. These situations caused considerable reduction in the productivity of forests, agricultural lands and fisheries and decreased returns from major investments in domestic, hydroelectric power generation and irrigation systems." (Occasional Paper prepared by FMB-Watershed Division)

Along with this, the Philippine Medium Term Development Plan (MTDP 2004-2010) indicates that *major watersheds of the country are in a state of severe degradation, which has resulted in reduction of capacity to supply water for irrigation, industrial and domestic uses and vital ecological services.*

The degradation of the watershed has been attributed to the uncontrolled and excessive exploitation caused by the pressure of increasing population growth that oftentimes lead to unsustainable and uncontrolled management of the country's forest resources. Right now, watersheds provide the socio-economic base to a growing population through the utilization of watershed resources that for many years have not been controlled or necessary safeguards were not put in place.

The continuing migrations of the lowlanders to the uplands and the encroachment in watershed forest reserves have remained unabated. These settlers having no viable economic opportunities in the lowlands have become dependent on forest resources when they settled in the uplands. The "*kaingin*" or the slash-and-burn method was resorted to by the migrant dwellers to be able to plant and increase the area of their tillage. The demand for agricultural land or the conversion of forestlands to non-forest use increased tremendously thereby exerting so much pressure on the watersheds forest reserves areas. The continuous migration accounted to an estimate of 25 million Filipinos out of the 100 million entire population of the country or roughly 25% are now living in new upland settlements.

Another contributory factor to the degradation of watershed forest reserves is the uncontrolled utilization of forest resources. The DENR, who has the mandate to protect and conserve the environment, is also the one promoting the utilization of forest resources thru mineral resources extraction, forest concessions, logging and other destructive activities that it cannot control.

Right now, the Philippines has 143 Watersheds supporting 165 components of the National Irrigation System with a total area of about 4,318,172 million hectares.

The water that comes from these watersheds areas and flows to the River Systems provides irrigation water to rice lands and other agricultural lands planted to different crops. There are only about 483,820 hectares, more or less, being serviced by the 143 River Watersheds, but based on NIA data, 868,509 hectares of agricultural land are being irrigated and roughly 368,000 hectares of these have existing facilities but need restoration and rehabilitation.

There seems to be a conflict on the actual figures, but what is important is to ensure that water will flow in these facilities once they have been rehabilitated, taking into account the denudation of the Watersheds supporting the National Irrigation System. These watersheds must be declared critical and no mining, logging and any other activities that are not in consonance with its actual use must not be allowed. Sufficiency in food production or the assurance that there is at least enough food in every Filipinos' table can only be realized if protection, conservation and rehabilitation of these watersheds will be prioritized by the government.

To date, the Philippines' area harvested to rice is very small compared with major rice producing countries in Asia. This is the major reason why we import rice. Although we say that we are an agricultural country, we do not have a large land resource to produce our total rice requirement. The Philippines has 4.35 million hectares devoted to rice production in 2010, and 3.5 million hectares are irrigated while 1.35 million hectares are not irrigated or there are no irrigation facilities that have been put in place to allow water to reach these rice fields.¹ In 2021, the total land area devoted to rice production has increased to 4.74. But instead of increasing the number of hectares that can access water to ensure bountiful rice harvest, there is now a consistent decrease in irrigated and non-irrigated lands. The unabated conversion of irrigated and non-irrigated lands is one reason but the bulk of the problem lies on the fact that not so much water is flowing in the irrigation canals that feed the rice fields. Another reason is the consistent irritation between the hydroelectric concessionaires and the National Irrigation Administration on how much volume of water can be allocated for irrigation purposes. People can live without electricity but they cannot possibly survive without food and water.

The Philippine environment plays a very crucial role in sustaining the country's life, livelihood and development and the protection, preservation and rehabilitation of watersheds supporting water for irrigation is a matter of highest public interest, It is the obligation of the state to secure and ensure that the environment is neither destroyed nor its beneficial effects be spoiled, to protect and preserve the natural resources, to reap more benefits whilst negating the effects inevitably dealt to nature. Natural resources are to be utilized to gear towards economic development.

¹ Philippine Rice Industry: Facts and Figures

The former status of watersheds in the Philippines was characterized by abundant rainforest which reached an estimated 17 million hectares in 1934.² In 1969, after the completion of the first nationwide forest inventory, the forest cover had declined to 10.4 million hectares. The second National Forest Inventory which was done in 1988 revealed that forest cover had further decreased to 6.461 million hectares. It is such a great loss that our forests cover declined vastly in span of almost half a century. In 2003, the country's forest cover was pegged at 7.168 million hectare³ or an increase of about 707 thousand hectare which is mainly due to the much publicized reforestation program being initiated by the government and the public sector to repair the damage brought about by logging, forest clearing for agriculture and upland migration and mining that caused the death of thousands of people and destructions of properties so huge that it dislocated the economies of the provinces that were affected and the agricultural communities that bore the brunt of the devastations. In 2015, the country's total forest cover had further decreased to 7.014 million hectare.⁴

Out of the estimated 30 million hectares of land area of the Philippines, 15,805,325 million hectares were classified as forestland and 14,194,675 million hectares were declared alienable and disposable and were subjected to private ownership. Of the 15,805,325 million hectares classified as forestland, only 3,270,146 million hectares were declared as Established Forest Reserves. Out of this, only 1,561,128 million hectares have been proclaimed as watershed forest reserves. There are 135 proclaimed watershed forest reserves scattered all over the country which cannot be touched by logging, or mining.⁵

The difference or the remainder which is about 1,709,018 million hectares, are the watersheds which are neither proclaimed, designated or set aside, pursuant to a law, presidential proclamation, decree or executive order. Most of these areas have been classified by the Forest Management Bureau as permanent forest or forest lands in the course of establishing specific limits of lands of the public domain especially forestlands and national parks pursuant to the provision of Section 4 of the Constitution, which states (*Source-2008 Phil forestry Statistics*):

Section 4. The Congress shall, as soon as possible determine by law the specific limits of forest lands and national parks, marking clearly their boundaries on the ground. Thereafter, such forest lands and national parks shall be conserved and may not be increased nor diminished except by law. The congress shall provide, for such period as it may determine measures to prohibit logging in endangered forests and watershed areas.

² Nera, 1999, Sustainable Management of Philippine Forests: Progress Towards Achieving ITTO Year 200 Objective.

³ 2011 Philippine Forestry Statistics

⁴ 2020 Philippine Forestry Statistics

These areas were clearly established and plotted in the land classification maps which also served as the basis of its legal classification. But by virtue of the enactment of the Philippine Mining Act or R.A. 7942, in 1995, these areas are now opened to mining operations. Mining is definitely an activity which is not in consonance with the preservation of water resources. The 143 watersheds supporting the National Irrigation System form part of these unprotected 1,709 million hectares and these watershed areas are the ones providing water to irrigate farms and other uses which ultimately redound in sustaining our life support system and ensuring continuous food supply.

The activities of every Filipino must always be in harmony with the natural systems of things. The air around us has been dirtied by too much pollution and the water we use to drink is now perceived to be unsafe. What remains are the waters that flow in our river system that have not been touched by man's callousness to the natural order of things and this is where we get our life-sustaining essentials. We must not therefore alter, interfere, bypass or destroy such systems in the guise of development and progress.

It is for this reason that this bill is crafted to ensure the protection, conservation and rehabilitation of the watersheds supporting the National Irrigation System. It is only thru an enactment of a law that will protect, preserve and rehabilitate these watersheds that we can be assured that these areas cannot be touched by man's insensitivity to nature and his environment. We must remember that the environment is not ours to keep but to safeguard, for it is just borrowed from our children.

The immediate passage of this bill is earnestly sought.



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Be it enacted by the Senate and House of Representatives of the Philippines in Congress assembled.

CHAPTER I

1 Section 1. *Title.* – The Act shall be known as the "*Protection of Watersheds for*
2 *Irrigation Act*".

3 Sec 2. *Declaration of Policy.* – The State affirms its policy for National Patrimony
4 as embodied in Article XII Section 1 and 2 that all natural resources are owned by the
5 State and its peoples and in consonance with Section 4 of the of the Constitution that
6 provides that Congress shall, as soon as possible determine by law the specific limits of
7 forest lands and national parks, marking clearly their boundaries on the ground.
8 Thereafter, such forest lands and national parks shall be conserved and may not be
9 increased nor diminished, except by law.

10 Further, the State recognizes in Sec. 12 of RA 8435 (AFMA) that all watersheds
11 that are sources of water for existing and potential irrigable areas and recharge areas of
12 major aquifers identified by the Department of Agriculture and the Department of
13 Environment and Natural resources shall be preserved as such at all times.

1 As such, the watershed being the basic forestland management unit that plays
2 an important role in sustaining the country's life support system, the State hereby
3 adopts an Act for the Protection, Conservation and Rehabilitation of Watersheds
4 Supporting the National Irrigation System.

5 Further, the State recognizes the need to protect, conserve and provide the
6 funding thereof for these watershed areas that are considered environmentally critical
7 areas, to guarantee a continuous supply of water for irrigation purposes and for other
8 functions to ensure food production.

9 Also, the State shall adopt rehabilitation and development measures to preserve
10 and restore these areas in their original status as much as possible and shall prohibit
11 environmentally critical projects and practices and all other activities that are
12 inconsistent or shall endanger the environmental stability and hydrological integrity of
13 these watersheds areas that can cause disruption of their productive conditions.

14 Sec 3. *Coverage.* – This Act shall cover all identified watersheds supporting the
15 National Irrigation System (NIS) and portions of classified forest lands which have
16 neither been proclaimed, designated nor set aside, pursuant of a law, presidential
17 proclamation, decree or executive order and all other watershed areas that are
18 supporting water base infrastructure that may be proclaimed before and after the
19 passage of this Act. The identified watersheds supporting the National Irrigation System
20 that form part of the established forest reserves and/or established timberland, shall
21 not be subjected to disestablishment proceeding pursuant to the provision of Section 7
22 of the NIPAS ACT or R.A. 7586.

23 Sec 4. *Basic Policies.* – The Philippine Strategy for Sustainable Development
24 stresses the need to achieve economic growth without degrading environmental quality
25 and despoiling natural resources. The State hereby adopts the policies to ensure the
26 protection, conservation and rehabilitation of watersheds supporting the National
27 Irrigation Systems environmentally critical areas and stop the incessant denudation of
28 watershed, indiscriminate use of forest resources, degradation of the hydrological
29 balance thru logging and mining and other activities that can lead to irreversible

1 damage to the environment that in the end will affect the socio-political and economic
2 lives of every Filipino.

3 (a) The State shall protect, conserve and rehabilitate all the Watersheds
4 Supporting the National Irrigation System to ensure continuous supply of
5 water for irrigation to sustain food production.

6 (b) The State shall recognize the rights of Indigenous Cultural Communities to
7 their ancestral lands to ensure their economic, social, and cultural well-
8 being in the event that such lands are inside the Watersheds Supporting
9 National Irrigation System.

10 (c) The State shall protect the Indigenous Peoples occupying the areas inside
11 the Watersheds Supporting the National Irrigation System even in the
12 absence of proof that such areas are parts of their ancestral domain.

13 (d) The State shall respect and protect the rights of rural women, whose
14 productive and reproductive roles are integral to household and national
15 food security, and whose status arising from prevailing gender inequalities
16 add to their vulnerability to impacts of climate change, calamities and
17 disasters, and non-protection of their sources of subsistence such as
18 watersheds.

19 (e) The State shall prohibit the encroachment of settlers/emigrants, and
20 loggers, to prevent the cutting of trees and denudation of the forest covers
21 that would endanger the hydrological balance of the watersheds and shall
22 permanently ban kaingin making or the slash and burn method of farming.

23 (f) The State shall prohibit all kinds of mining operations and environmentally
24 critical projects within the Watersheds Supporting the National Irrigation
25 System to prevent the destruction of headwaters, natural waterways and
26 aquifers and to preserve the integrity of the water resources.

27 (g) The State shall be guided by the principle that all Filipinos own all the
28 natural resources and these are part of their heritage. As owners of the
29 national patrimony, everyone has a social responsibility to protect, conserve
30 and develop it for the benefit of all and the generations to come.

- 1 (h) The State shall institute measures for the creation of a National
2 Comprehensive Watershed Management or an Integrated Watershed
3 Management Plan to ensure the development of a sustainable management
4 plan that can be adapted to all the Watersheds Supporting the National
5 Irrigation System.
- 6 (i) The State shall ensure that watershed as an ecosystem and a basic
7 planning and watershed management unit shall be protected, conserved
8 and developed in a holistic, scientific, rights-based, technology-based,
9 community-based and collaborative manner for the highest and widest
10 public benefit and based on the inherent productive capacity and
11 sustainable use of these resources for the present and future generations.
- 12 (j) The State shall ensure the sustainability of water resources, by encouraging
13 a meaningful and active participation of stakeholders especially those who
14 are directly benefited and therefrom, establish a sustainable and multi-
15 institution capable of addressing natural resources issues in a watershed.
- 16 (k) The State shall inculcate the importance of watersheds in building people's
17 resilience to address the effects of climate change.

18 *Sec 5. Definition of Terms. –*

- 19 (a) Ancestral domain – area generally belonging to indigenous cultural
20 communities/indigenous peoples (ICCs/IPs) comprising land, inland waters,
21 coastal areas occupied or possessed by ICCs/IPs, by themselves or through
22 their ancestors, communally or individually since time immemorial,
23 continuously through the present except when interrupted by war, force
24 majeure, deceit, stealth, as a consequence of government projects or any
25 other voluntary dealings entered into by government and private
26 individuals/corporations, which are necessary to ensure their economic,
27 social, and cultural welfare. (RA 8371-IPRA)
- 28 (b) Ancestral land – refers to all lands exclusively and actually possessed,
29 occupied, or utilized by indigenous cultural communities by themselves or
30 through their ancestors in accordance with their customs and traditions

1 since time immemorial and as may be defined and delineated by law. (RA
2 7942-Phil. Mining Act.)

- 3 (c) Communal Irrigation System (CIS) is an irrigation system that is managed
4 by a bona fide Irrigators Association.
- 5 (d) Conservation – Protection of plant and animal habitats including the
6 management of renewable natural resources with the objective of sustaining
7 its productivity in perpetuity while providing for human use compatible with
8 sustainability of the resource.
- 9 (e) Critical Watershed – A drainage area of a river system supporting existing
10 and proposed hydroelectric power, irrigation works or existing water facilities
11 needing immediate protection and rehabilitation to minimize erosion and
12 improve water yield.
- 13 (f) Encroachment – The act or action of using forest land contrary to the
14 provisions provided for in forestry laws and regulations with regard to forest
15 land uses.
- 16 (g) Environmentally Critical Areas - Area delineated as environmentally sensitive
17 such that significant environmental impact are expected if certain types of
18 proposed projects or programs are located, developed or implemented in it.
- 19 (h) Environmentally critical project – Project or program that has high potential
20 for significant negative environmental impact.
- 21 (i) Forest Degradation – Changes within the forest whether natural or human-
22 induced that negatively affect the structure or function of the stand or site,
23 and thereby lower the capacity to supply products and/or services resulting
24 to a degraded forest.
- 25 (j) Forest Land – Includes public forest, permanent forest or forest reserves,
26 and forest reservations.
- 27 (k) Forest Reserves or Permanent Forest – Refer to those lands of the public
28 domain that have been the subject of the present system of classification
29 and declared to be needed for forest purposes (PD 1559); Forest land which

1 has been reserved by the President of the Philippines for any specific
2 purpose or purposes.

- 3 (l) Forest Resources – Includes soil and all elements found on it, above and
4 below the ground in an area classified as forest land.
- 5 (m) Headwaters - The upper reaches of a stream or river.
- 6 (n) Integrated Watershed Management –The process of guiding and organizing
7 land and other resource use in a watershed to provide desired goods and
8 services without affecting adversely soil and water resources (Brooks et.al.
9 1990). It involves multiple natural resources and requires understanding of
10 the relationship among land-use, soil, water and linkages between uplands
11 and downstream areas
- 12 (o) Irrigable Lands - refers to lands which display marked characteristics
13 justifying the operation of an irrigation system.
- 14 (p) Irrigated Lands - refers to lands services by natural irrigation or irrigation
15 facilities.
- 16 (q) Irrigation System – refers to a system of irrigation facilities covering
17 contiguous areas
- 18 (r) Irrigation water – Portion of a run off that is being used in irrigation. The
19 intentional application of water to the soil usually for the purpose of crop
20 production.
- 21 (s) Kaingin making – A farming system based on shifting, or slash and burn
22 clearing of forest for the planting of agricultural and agro-forestry crops.
- 23 (t) Mining operation – means mining activities involving exploration, feasibility,
24 development, utilization and processing. (RA 7942)
- 25 (u) National Irrigation System (NIS) - refers to a major irrigation system
26 managed by the National Irrigation Administration.
- 27 (v) Public forest - the mass of lands of the public domain which has not been
28 subject to the present system of classification for the determination of which
29 lands are needed for forest purposes.

1 (w) Water Resources – Refers to the quality and quantity of water produced
2 naturally as one of the earth’s major resources.

3 (x) Watershed - A land area drained by a stream or fixed body of water and its
4 tributaries having a common outlet for surface-runoff. “Areas that have been
5 identified and evaluated to provide critical and vital natural, ecological,
6 environmental and physical beneficial services such as water, biodiversity,
7 energy, irrigation, social and cultural, among others to a specific area or
8 community and whose existing biophysical condition demands immediate
9 rehabilitation, protection and management to prevent its further denudation,
10 deterioration and exploitation” (as contained in the definition under HB
11 4382- NLUA Bill).

12 (y) Watershed Management - The process of guiding and organizing land and
13 other resource uses in a watershed to provide desired goods and services
14 without adversely affecting soil and water resources.

15 (z) Watershed reservation – a forest land reservation established to protect or
16 improve the conditions of water yield thereof or reduce sedimentation.

17 Sec 6. *Scope.* – This Act shall cover all 143 Identified Watersheds supporting the 165
18 components of the National Irrigation System of the National Irrigation Administration,
19 to wit:

20 **CAR**

- 21 1. **Chico River Watershed**, supporting the Lower Chico and Upper Chico River
22 Irrigation System, located in the provinces of Mt. Province, Ifugao, Kalinga and
23 Apayao, covering the municipalities of Bauko, Sabangan, Bontoc, Sagada,
24 Sandangan, Barlig, Tinoc, Hugdungan, Tanudan, Lubuagan, Tinglayan, Pinukpuk,
25 Tabuk, Balbalan, Pasil and Coner with an area of **330,000 hectares**, more or
26 less.
- 27 2. **Mallig River Watersheds** supporting the Mallig River Irrigation System,
28 located in the provinces of Kalinga and Mt. Province, covering the municipalities
29 of Tanudan, Tabuk, and Paracelis, with an area of **45,580 hectares**, more or
30 less

- 1 3. **Abulog River Watershed** supporting the Abulog-Apayao River Irrigation
2 System, located in the province of Apayao, covering the municipalities of
3 Calanasan, Kabugao, Putol, Flora and Coner, with an area of **205,000**
4 **hectares**, more or less.
- 5 4. **Manuco~~t~~ae River Watershed**, supporting the Pamplona River Irrigation
6 System, located in the province of Cagayan and Apayao, covering the
7 municipalities of Pamplona and Luna, with an area of **1,920 hectares**, more or
8 less.

9 **REGION 1**

- 10 5. **Bulu River Watershed** supporting the Bulu River Irrigation System, located in
11 the province of Ilocos Norte, covering the municipality of Bangui, with an area of
12 **17,200 hectares**, more or less.
- 13 6. **Laoag River Basin, Magalis-Papa River Watershed and Cura River**
14 **Watershed**- supporting Bonga Pump No. 1 and 2 and 3, Dingras and Cura RIS,
15 located in the province of Ilocos Norte, covering the municipalities of Sarrat, San
16 Nicolas, and Laoag City, Espiritu, Nueva Era and Pinili, with an area of **69,700**
17 **hectares**, more or less.
- 18 7. **Vintar River Watershed** supporting the Laoag-Vintar RIS and NMC Pasuquin
19 RIS, located in the province of Ilocos Norte, covering the municipalities of Vintar,
20 Burgos and Bangui, with an area of **29,000 hectares**, more or less.
- 21 8. **Sta Maria River Watershed** supporting the Sta Maria-Burgos RIS, located in
22 the province of Ilocos Sur, covering the municipalities of Burgos, Santiago,
23 Banyuyom, Lidlidda and San Emilio, with an area of **16,400 hectares**, more or
24 less.
- 25 9. **Buaya River Watershed** supporting the Buaya RIS, located in the province
26 of Ilocos Sur, covering the municipalities of Candon, Sta Lucia, Gregorio del Pilar,
27 Sta Lucia, Salcedo, Sta Cruz, Suyo and Sigay., with an area of **16,800**
28 **hectares**, more or less.

- 1 **10. Amburayan River Watershed and Chico-Paduquit River Watershed**
2 supporting Amburayan and Tagudin RIS, respectively, located in the provinces of
3 Ilocos, Sur, La Union and Benguet, covering the municipalities of Tagudin,
4 Sugpon, Sudipen, Atok, Kibungan, Bakun, Tublay, Kapangan, Bugias, Suyo,
5 Alilem, Sigay, Cervantes and Bakun with an area of **99,300 hectares**, more or
6 less.
- 7 **11. Aringay River Watershed-** supporting Masalip RIS, located in the provinces
8 of La Union and Benguet, covering the municipality of Aringay, Tubao, Pugo,
9 Sablan, Tuba and Baguio City, with an area of **27,300 hectares**, more or less.
- 10 **12. Bued River Watershed-** supporting the San Fabian RIS, located in the
11 province of Pangasinan, La Union and Benguet, covering the municipalities of
12 San Fabian, San Jacinto, Pozorrubio, Sison, Pugo, Rosario, Tuba and Itogon with
13 an area of **29,700 hectares**, more or less.
- 14 **13. Dumuloc River Watershed-** supporting the Dumuloc RIS, located in the
15 provinces of Pangasinan and Zambales, covering the municipalities of Bugallon
16 and Sta Cruz, with an area of **8,200 hectares**, more or less.
- 17 **14. Agno River Watershed-** supporting the Agno RIS, located in the provinces of
18 Benguet, Pangasinan and Nueva Viscaya, covering the municipalities of Buguias,
19 Kabayan, Bokol, La Trinidad, Itogon, Baguio City, Sta Maria, San Nicolas, Sto
20 Tomas, Asingan, Tayug , San Manuel and Kayapa, with an area of **228,400**
21 **hectares** more or less.
- 22 **15. Ambayoan River Watershed-** supporting the Ambayoan RIS and ADRIS
23 Extension, located in the provinces of Pangasinan, Nueva Viscaya and Benguet,
24 covering the municipalities of San Nicolas, Sta Fe, Kayapa and Itogon, with an
25 area of **5, 900 hectares**, more or less.
- 26 **16. Dipalo River Watershed-** supporting the Dipalo RIS, located in the provinces
27 of Pangasinan and Nueva Ecija, covering the municipalities of Umingan and
28 Lupao, with an area of **4,200 hectares**, more or less.

- 1 17. **Agno-Banawan River Watershed**- supporting the Lower Agno-Totonogen
2 RIS, located in the province of Pangasinan with an area of more or less.
- 3 18. **Agno-Sinucalan-Tuboy Watershed**- supporting the Agno-Sinucalan RIS,
4 located in the provinces of Pangasinan and Benguet, covering the municipalities
5 of San Manuel and Itogon with an area of **152,350 hectares**, more or less.

6 **REGION 2**

- 7 19. **Magat River Watershed**- supporting the Magat River Irrigation System
8 (MARIS) located in the provinces of Nueva Viscaya, Isabela and Ifugao, covering
9 the municipalities of Dupax del Norte, Dupax del Sur, Aritao, Bayombong,
10 Solano, Bagabag, Diac, Ramon, Naguilian, Ilagan, Gamu, Lagawe and Mayayao
11 with an area of **412,300 hectares**, more or less.
- 12 20. **Baua River Watershed (Convergence WFR)**- supporting the Baua RIS,
13 located in the provinces of Cagayan, covering the municipality of Gonzaga, with
14 an area of **5,000 hectares**, more or less.
- 15 21. **Dummun River Watershed**- supporting the Dummon RIS, located in the
16 province of Cagayan, covering the municipality of Capissayan, with an area of
17 **20,600 hectares**, more or less.
- 18 22. **Pared River Watershed**- supporting Baggao RIS located in the province of
19 Cagayan, covering the municipality of Baggao and Peñablanca, with an area of
20 **20,950 hectares**, more or less.
- 21 23. **Zinundungan River Watershed**- supporting Zinundungan RIS, located in the
22 province of Cagayan, covering the municipality of Sto Nino, with an area of
23 **21,500 hectares**, more or less.
- 24 24. **Pinacanauan de Tuguegarao River Watershed**- supporting Pinacanauan
25 RIS, located in the province of Cagayan, covering the municipalities of
26 Peñablanca and Maconancon, with an area of **12,920 hectares**, more or less.
- 27 25. **Pinacanauan de San Pablo Watershed**- supporting the San Pablo-Cabagan
28 RIS, located in the province of Isabela, covering the municipalities of San Pablo
29 and Maconancon, with an area of **13,450 hectares**, more or less.

1 26. **Pinacanauan de Tumauni River Watershed**- supporting the Tumauni RIS,
2 located in the province of Isabela, covering the municipalities of Tumauni,
3 Cabagan, Divilacan, and Maconancon, with an area of **17, 630 hectares**, more
4 or less.

5 **REGION 3**

6 27. **Tarlac River Watershed and Odonell Watershed**- supporting Tarlac,
7 Odonell and San Miguel RIS, located in the provinces of Tarlac and Zambales,
8 covering the municipalities of Capas, Bamban, Tarlac City and Botolan, with an
9 area of **54,850 hectares**, more or less.

10 28. **Camiling River Watershed**- supporting Camiling RIS, located in the
11 provinces of Tarlac and Zambales, covering the municipalities of Mayantoc,
12 Candelaria and Masinloc with an area of **8,580 hectares** more or less.

13 29. **Upper Pampanga River Watershed and Coronel River Watershed** -
14 supporting UPRIS-II and UPRIS III- (Aulo Watershed) located in the province of
15 Nueva Ecija, covering the municipalities of Pantabangan, Caranglan, Palayan City
16 and Bongabon with an area of more or less.

17 30. **Caulaman River Watershed**- supporting the Caulaman RIS located in the
18 provinces of Zambales and Pampanga, covering the municipalities of San
19 Marcelino, Castillejos, Subic and Floridablanca with an area of **1,800 hectares**
20 more or less.

21 31. **Nayom River Watershed**- supporting the Nayom RIS located in the provinces
22 of Zambales and Pangasinan, covering the municipalities of Sta Cruz, Infanta and
23 Bugallon with an area of **14,450 hectares**, more or less.

24 32. **Cabaluan River Watershed**- supporting the Bayto RIS located in the province
25 of Zambales, covering the municipalities of Sta Cruz and Candelaria with an area
26 of **11,260 hectares**, more or less.

27 33. **Sto Tomas River Watershed**- supporting the Sto Tomas RIS located in
28 Zambales, covering the municipality of San Narciso with an area of **18,100**
29 **hectares**, more or less.

- 1 34. **Bucao River Watershed**- supporting Bucao RIS, located in the province of
2 Zambales, covering the municipalities of Botolan, Cabangan, San Felipe, Iba and
3 San Marcelino with an area of **55,320 hectares**, more or less.
- 4 35. **Porac-Gumain River Watershed**- supporting the Porac-Gumain RIS (2
5 Intake), located in the province of Pampanga, covering the municipalities of
6 Porac and Floridablanca with an area of **22,500 hectares**, more or less.
- 7 36. **Angat-Maasim River Watershed**- supporting the Angat-Maasim RIS, located
8 in the provinces of Bulacan and Pampanga, covering the municipalities of Angat,
9 Norzagaray, San Ildefonso, San Rafael and San Luis with an area of **61,300**
10 **hectares**, more or less.
- 11 37. **Angat-Ipo River Watershed** (Convergence WFR)- supporting the Ipo Dam
12 (MWSS), located in the provinces of Bulacan and Rizal, covering the
13 municipalities of Norzagaray, San Jose del Monte, and Rodriguez (Montalban)
14 with an area of **6,600 hectares**, more or less.
- 15 38. **Pinulot River Watershed**- supporting the Colo RIS located in the provinces of
16 Bataan and Zambales, covering the municipalities of Dinalupihan, Hermosa,
17 Morong, Olongapo City and Subic with an area of **8,850 hectares**, more or less.
- 18 39. Dingalan Watershed- supporting the -----, located in the province of Aurora,
19 covering the municipality of Dingalan, with an area of more or less.

20 **REGION 4A**

- 21 40. **Balanac River Watershed**- supporting the Balanac RIS located in the
22 province of Laguna, Quezon covering the municipalities of Magdalena, Majayjay,
23 Lusiana, and Lucban with an area of **6,600 hectares**, more or less.
- 24 41. **Mabacan River Watershed**- supporting the Mabacan RIS, located in the
25 province of Laguna, with an area of **4,900 hectares**, more or less.
- 26 42. **Llano River Watershed**- supporting the Mayor RIS, located in the provinces
27 of Laguna and Quezon, with an area of **3,300 hectares**, more or less.
- 28 43. **Sta Cruz River watershed**- supporting Sta Cruz RIS, located in the province
29 of Laguna with an area of **8,000 hectares**, more or less.

1 44. **San Antonio River Watershed-** supporting Sta Maria RIS, located in the
2 provinces of Laguna, Rizal and Quezon, with an area of **1,150 hectares**, more
3 or less.

4 45. **NPC Tailrace and Lewin Creek-** supporting the Lumban RIS, located in the
5 province of Laguna, with an area of **1,350 hectares**, more or less.

6 **LAGUNA FLIS - 30,630 hectares, more or less**

7 46. **Macabling River Watershed- supporting** the Macabling RIS, located in the
8 province of Laguna, covering the municipality of Cabuyao, with an area of more
9 or less.

10 47. **San Cristobal River Watershed-** supporting Cabuyao East PIS, San Cristobal
11 RIS and Diezmo RIS, located in the provinces of Laguna and Cavite, covering the
12 municipalities of Cabuyao, Canlubang, Calamba, Silang and Tagaytay City, with
13 an area of more or less.

14 48. **San Juan River Watershed-** supporting the San Juan RIS, located in the
15 provinces of Laguna and Batangas, covering the municipalities of Calamba, Sto
16 Tomas, Tanauan and Malvar with an area more or less.

17 **CAVITE FLIS - 52,900 hectares, more or less**

18 49. **Maragondon River Watershed-** supporting the Balayugan A Dam, Balayugan
19 B Dam, located in the province of Cavite, covering the municipality of Naic, with
20 an area of more or less.

21 50. **Caisobo River Watershed-** supporting the Culong-Culong Dam, located in
22 the province of Cavite, covering the municipality of Indang, with an area of more
23 or less.

24 51. **Labac-Alemang River Watershed-** supporting the Sahing Dam and Bancud
25 Dam, located in the province of Cavite, covering the municipalities of Naic and
26 Indang with an area of more or less.

27 52. **Timalam River Watershed-** supporting the Tres Cruces Dam, located in the
28 province of Cavite, covering the municipality of Tanza.

- 1 53. **Canas River Watershed**- supporting the Bayan Dam, Plucena Dam, Matanda
2 A Dam, and Matanda B Dam, all located in the province of Cavite, covering the
3 municipalities of General Trias, and Tanza.
- 4 54. **Ylang-Ylang River Watershed**- supporting the Pasong Kastila Dam, Butas
5 Marcelo Dam, San Agustin Dam and Butas Navarro Dam, all located in the
6 province of Cavite, covering the municipalities of Imus, General Trias, and
7 Dasmaringas.
- 8 55. **Lasong Camachile River Watershed**- supporting the Butas Lawang Bato
9 Dam, located in the province of Cavite, covering the municipality of General
10 Trias.
- 11 56. **Imus River Watershed**- supporting the Julian Dam, Makuling Dam, Luksuhin
12 Dam and Embarcadero Dam, all located in the province of Cavite, covering the
13 municipality of Imus, Dasmaringas.
- 14 57. **Zapote River Watershed**- supporting the Molino Dam located in the province
15 of Cavite, covering the municipality of Bacoor.
- 16 58. **Palico River Watershed**- supporting the Palico RIS, located in the province of
17 Batangas, covering the municipalities of Tuy and Nasugbu, with an area of
18 **11,800 hectares**, more less.
- 19 59. **Lagnas River Watershed**- supporting the Lagnas RIS, located in the province
20 of Quezon, covering the municipality of Candelaria, with an area of **1,860**
21 **hectares**, more or less.
- 22 60. **Hanagdong River Watershed**- supporting the Hanagdong RIS, located in the
23 province of Quezon, covering the municipalities of Candelaria and Sariaya, with
24 an area of **1,360 hectares**, more or less.
- 25 61. **Dumacao River Watershed**- supporting Dumacao RIS, located in the
26 province of Quezon, covering the municipality of Tayabas, with an area of **8,500**
27 **hectares**, more or less.

1 62. **Agos River Watershed**- supporting Agos RIS, located in the province of
2 Quezon and Rizal, covering the municipalities of General Nakar, Infanta, Real,
3 Tanay, and Teresa, with an area of **91,260 hectares**, more or less.

4 63. **Marikina River Watershed (Convergence WFR)**- Supporting the Wawa
5 Dam, located in the province of Rizal, covering the municipalities of Tanay,
6 Montalban, Antipolo, Baras and Teresa, with an area of **18,966 hectares**, more
7 or less.

8 **REGION 4B**

9 64. **Bansud River Watershed** – supporting the Bansud RIS, located in the
10 province of Mindoro Oriental, covering the municipalities of Bongabong and
11 Pinamalayan, with an area of **7,000 hectares**, more or less.

12 65. **Baco-Bocayao River Watershed**- supporting the Baco RIS, located in the
13 province of Mindoro Oriental and Mindoro Occidental, covering the municipalities
14 of Baco, Naujan, San Teodoro, Sablayan and Sta Cruz, with an area of **26,000**
15 **hectares**, more or less

16 66. **Pula River Watershed**- supporting the Pulas RIS, located in Mindoro Oriental,
17 covering the municipality of Pinamalayan, with an area of **12,970 hectares**,
18 more or less.

19 67. **Mag-asawang Tubig-Mapalo Rivers Watershed**- supporting Mag-
20 asawang Tubig RIS, located in the province of Mindoro Oriental and Mindoro
21 Occidental, covering the municipalities Naujan and Sablayan, with an area of
22 **19,565 hectares**, more or less

23 68. **Pagbahan River Watershed**- supporting the Pagbahan RIS, located in the
24 province of Mindoro Oriental and Mindoro Occidental, covering the municipalities
25 of San Teodoro, Puerto Galera, Mamburao and Sta Cruz. With an area of **23,380**
26 **hectares**, more or less.

27 69. **Amnay-Patrick River Watershed**- supporting Amnay-Patrick RIS, located in
28 the province of Mindoro Occidental and Mindoro Oriental, covering the

1 municipalities of Sta Cruz, Sablayan, Baco and San Teodoro, with an area of
2 **20,750 hectares**, more or less.

3 70. **Mongpong River Watershed**- supporting the Mongpong RIS, located in the
4 province of Mindoro Occidental, covering the municipality of Sablayan, with an
5 area of **22,300 hectares**, more or less.

6 71. **Cagaray River Watershed**- supporting the Cagaray RIS, located in the
7 province of Mindoro Oriental and Mindoro Occidental, covering the municipalities
8 of Mansalay, Bulalacao and San Jose with an area of **12,900 hectares**, more or
9 less.

10 72. **Lumintao River Watershed**- supporting the Lumintao RIS, located in the
11 province of Mindoro Occidental, covering the municipality of Sablayan, with an
12 area of **38,600 hectares**, more or less.

13 73. **Malasgao River Watershed**- supporting the Malasgao RIS, located in the
14 province of Palawan, covering the municipalities of Quezon and Aborlan, with an
15 area of **6,360 hectares**, more or less.

16 **REGION 5**

17 74. **Ponso River Watershed**- supporting the Hibiga RIS, located in the province
18 of Albay, covering the municipalities of Pulangui and Oas, with an area of
19 **10,900 hectares**, more or less.

20 75. **Basay River Watershed**- supporting the Mahaba RIS, located in the province
21 of Albay, covering the municipality of Liago and Oas, with an area of _____
22 hectares more or less.

23 76. **Nasisi River Watershed**- supporting the Nasisi RIS, located in the province of
24 Albay, covering the municipalities of Ligao and Guinobatan, with an area of
25 _____ hectares more or less.

26 77. **Bublusan Watershed**- supporting the Ogsong RIS, located in the province of
27 Albay, covering the municipalities of Guinobatan and Camalig, with an area of
28 _____ hectares more or less.

- 1 **78. Buhi-Iriga River Watershed-** supporting the Buhi-Lalo and Lake Buhi RIS,
2 located in the province of Camarines Sur and Albay, covering the municipalities
3 of Buhi, Nabua, Iriga City, Tiwi, with an area of **41,350 hectares**, more or less.
- 4 **79. Nabua River Wartershed-** supporting the Barit (Rida) RIS, located in the
5 province of Camarines Sur, covering the municipalities of Baao, Buhi and Iriga
6 City withn an area of **19,500 hectares**, more or less.
- 7 **80. Daet River Watershed-** supporting the Daet RIS, located in the province of
8 Camarines Norte, covering the municipalities of Daet, San Vicente, and Basud,
9 with an area of **6,320 hectares**, more or less.
- 10 **81. Talisay River Watershed-** supporting the Talisay RIS, located in the province
11 of Camarines Norte, covering the municipalities of Daet and San Vicente, with an
12 area of **2,820 hectares**, more less.
- 13 **82. Sipocot –Pulantuna Watershed-** supporting the Libmanan-Cabusao RIS,
14 located in the province of Camarines Sur and Camarines Norte covering the
15 municipalities of Libmanan, Sipocot, Lupi, Ragay del Gallego, and Daet, with an
16 area of **54,000 hectares**, more or less.
- 17 **83. Pili River Watershed-** supporting the Pili RIS, located in the province of
18 Camarines Sur, covering the municipality of Pili, with an area of **2,680**
19 **hectares**, more or less.
- 20 **84. Tigman River Watershed-** supporting the THIRIS Tigman Dam, located in
21 the province of Camarines Sur, covering the municipalities of Calabanga and
22 Tinambac, with an area of **8,990 hectares**, more or less.
- 23 **85. Hinagyanan River Watershed-** supporting the THIRIS Hinagyanan Dam----
24 -----
- 25 **86. Inainigan/Inarihan Watershed-** supporting the THIRIS Inarihan Dam-----
26 -----
- 27 **87. Sabang River Watershed-** supporting the San Francisco RIS, located in the
28 province of Sorsogon-----

1 88. **Tubugan River Watershed-** supporting the San Ramon RIS, located in the
2 province of Sorsogon, covering the municipalities of Bulan, Irosin, and Matnog,
3 with an area of **1,590 hectares**, more or less.

4 **REGION 6**

5 89. **Tipuluan River Watershed (Convergence WFR)** - supporting the Sibalom-
6 San Jose RIS, located in the province of Antique, covering the municipalities of
7 Sibalom and San Jose, with an area of **61,600 hectares**, more or less.

8 90. **Mambusao River Watershed-** supporting the Mambusao RIS, located in the
9 province of Capiz and Aklan, covering the municipalities of Sapan, Jamindan,
10 Mambusao and Altavas, with an area of **31,630 hectares**, more or less.

11 91. **Aganan River Watershed (joined to Tigum)-** supporting the Aganan RIS,
12 located in the province of Iloilo, covering the municipalities of Alimodian, and
13 Maasin with an area of **11,300 hectares**, more or less.

14 92. **Barotac Viejo River Watershed-** supporting the Barotac-Viejo RIS, located in
15 the province of Iloilo, covering the municipalities of Barotac Viejo, Lemery and A-
16 Juy, with an area of **9,150 hectares**, more or less.

17 93. **Jalaur River Watershed (Convergence WFR)-** supporting the Jalaur RIS,
18 located in the province of Iloilo, covering the municipalities of Dingle, Pototan,
19 Janiuay, Passi, Duenas, Calinog, Lambunao, Anilao, Banate and Barotac Viejo,
20 with an area of **107,700 hectares**, more or less.

21 94. **Jalaur-Suage River Watershed-** supporting the Suage RIS, located in the
22 province of Iloilo, covering the municipalities of Janiuay, Maasin, Cabatuan, and
23 Lucena, with an area of **17,480 hectares**, more or less.

24 95. **Sibalom River Watershed-** Sibalom-Tigbauan RIS, located in the province of
25 Iloilo, covering the municipalities of Leon, Alimodian and Tigbauan, with an area
26 of **11,400 hectares**, more or less.

27 96. **Tigum River Watershed(joined to Aganan)-** supporting the Sta Barbara
28 RIS, located in the province of Iloilo and Antique, covering the municipalities of

1 Cabatuan, Maasin, Janiway, Valderama and San Remigio, with an area of
2 **19,200 hectares**, more or less.

3 **97. Bago River Watershed (Convergence WFR)-** supporting the Bago RIS,
4 located in the province of Negros Occidental, covering the municipalities of Bago,
5 Murcia, Talisay, San Carlos and Calatrava, with an area of **62,500 hectares**,
6 more or less.

7 **98. Pagiplan River Watershed-** supporting the Pagiplan RIS, located in the
8 province of Negros Occidental, covering the municipalities of Binalbagan, with an
9 area of **1,756 hectares**, more or less.

10 **99. Ibajay River Watershed-** supporting the Panukayan RIS, located in the
11 province of Aklan, covering the municipality of Ibajay, with an area of **23,400**
12 **hectares**, more or less

13 **REGION 7**

14 100. **Caruod Watershed-** supporting the -----RIS, located in the province of
15 Bohol, covering the municipalities of Ubay, Mabini and Alicia, with an area of
16 more or less.-----

17 101. **Matutinao Watershed-** supporting the -----RIS, located in the province of
18 Cebu, covering the municipality of Badian, Alegria, Malabuyoc, Alcoy and
19 Dalaguete, with an area of more or less.

20 **REGION 8**

21 102. **Magon-Bucan River Watershed-** supporting the Balire North RIS, located in
22 the province of Leyte, covering the municipalities of La Paz, Mac Arthur and
23 Inayupan, with an area of **4,500 hectares**, more or less.

24 103. **Bao River Watershed-** supporting the Bao RIS, located in the province of
25 Leyte, covering the municipalities of Ormoc City, Kananga, Capoocan and
26 Cariagara with an area of **5,800 hectares**, more or less.

27 104. **Binahaan River Watershed-** supporting the Binahaan South RIS, Binahaan
28 North RIS, and Lower Binahaan RIS, located in the province of Leyte, covering

1 the City of Ormoc, Municipalities of Jaro, Pastrana and Dagami, Tanauan and
2 Palo with an area of **21,910 hectares**, more or less.

3 105. **Bito River Watershed-** supporting the Bito RIS, located in the province of
4 Leyte, covering the municipalities of Inayopan, Abuyog, and Baybay, with an are
5 of **11,380 hectares**, more or less.

6 106. **Daguitan River Watershed-** supporting the Daguitan RIS, located in the
7 province of Leyte, covering the municipalities of Burauen, Albuera, and Dagami
8 with an area of **4,300 hectares**, more or less.

9 107. **Gibuga River Watershed-** supporting the Gibuga RIS, located in the province
10 of Leyte, covering the municipalities of Burauen, Julita, Dulag, La Paz and Sta
11 Cruz, with an area of **5,400 hectares**, more or less.

12 108. **Guinarona River Watershed-** supporting the Guinarona RIS, located in the
13 province of Leyte, covering the municipalities of Dagami and Burauen with an
14 area of **1,450 hectares**, more or less.

15 109. **Mainit River Watershed-** supporting the Mainit RIS, located in the province
16 of Leyte, covering the municipalities of Carigara, Jaro, and Alang-alang with an
17 area of **3,150 hectares**, more or less.

18 110. **Pongso River Watershed-** supporting the Pongso RIS, located in the
19 province of Leyte, covering the municipalities of Carigara, Barugo, and Tunga,
20 with an area of **4,020 hectares**, more or less.

21 111. **Palo River Watershed-** supporting the Suong-Tibak RIS, located in the
22 province of Leyte, covering the municipalities of Palo, Jaro, Sta Fe, Alang-alang,
23 and Tacloban City, with an area of **2,350 hectares**, more or less.

24 112. **Salug River Watershed-** supporting the Hindang-Hilogos RIS, located in the
25 province of Leyte, covering the municipalities of Hindang, Hilongos and
26 Inopacan, with an area of **7,200 hectares**, more or less.

27 **REGION 9**

1 113. **Dipolo River Watershed-** supporting the Dipolo Dam (RIS) and Salug RIS,
2 located in the provinces of Zamboanga del Sur, covering the municipality of
3 Molave with an area of **67,200 hectares**, more or less.

4 114. **Labangan-Pulusan-Lantian-Tiwagan River Watersheds-** supporting the
5 Labangan RIS, located in Zamboanga del Sur, covering the municipalities of
6 Labangan, and Pagadian City with an are of **43,360 hectares**, more or less.

7 115. **Sibuguey-Dipili Rivers-** supporting the Sibuguey Vallye RIS, located in the
8 province of Zamboanga del Sur with an area of **21,800 hectares**, more or less.

9 **REGION 10**

10 116. **Manupali River (Convergence WFR)-** supporting the Manupali RIS, located
11 in the province of Bukidnon, covering the municipality of ----- with an area of
12 **13,850 hectares**, more or less.

13 117. **Muleta-Kulaman River Watershed (Convergence WFR)-** supporting the
14 Muleta RIS, located in the Bukidnon, covering the municipality of Pangantukan
15 and Maramag, with an area of **21,450 hectares**, more or less.

16 118. **Roxas Kuya River Watershed-** supporting the Roxas Kuya RIS, located in
17 the province of Bukidnon, covering the municipality of Maramag, with an area of
18 **9,300 hectares**, more or less.

19 119. **Dipolo-Maranding River Watrershed-** supporting the Maranding RIS,
20 located in the province of Lanao del Norte, covering the municipalities of
21 Nunungan and Kapatagan, with an area of **39,350 hectares**, more or less.

22 **REGION 11**

23 120. **Batutu Watershed-** supporting the Batutu RIS, located in the province of
24 Compostela Valley, covering the municipality of Compostela, with an area of
25 **10,500 hectares**, more or less.

26 121. **Libuganon River Watershed-** supporting the Libuganon RIS, located in the
27 province of Davao del Norte and Compostela Valley, covering the municipalities
28 of Kapalong, Sto Tomas, Asuncion, San Vicente, New Correla, Tagum City,

1 Nabunturan, Moncayo and Montevista, with an area of **74,730 hectares**, more
2 or less.

3 **122. Saug River Watershed-** supporting the Saug RIS, located in the province of
4 Davao del Norte, Compostela Valley, covering the municipalities of Kapitalong,
5 Asuncion and Nabunturan, with an area of **41,100 hectares**, more or less.

6 **123. Lasang River Watershed-** supporting the Lasang RIS, located in the province
7 of Davao del Norte, covering the municipalities of Kapitalong, Panabo and Davao
8 City, with an area of **39,450 hectares**, more or less.

9 **124. Matanao River Watershed-** supporting the Mal RIS, located in the province
10 of Davao del Sur, covering the municipality of Digos, with an area of **35,400**
11 **hectares**, more or less.

12 **125. Padada River Watershed-** supporting the Padada RIS, located in the
13 province of Davao del Sur and North Cotabato, covering the municipalities of
14 Digos and Makilala, with an area of **81,850 hectares**, more or less.

15 **126. Sumlog River Watershed-** supporting the Lupon RIS, located in the
16 provinces of Davao Oriental and Davao del Norte, covering the municipalities of
17 Lupon, Banay-Banay, Mati and Pantukan with an area of **25,540 hectares**,
18 more or less.

19 **127. Buayan-Tinagacan Rivers-** supporting the Buayan RIS, located in the
20 province of Davao del Sur, Sarangani and South Cotabato, covering the
21 municipalities of Malalag, Sta Maria, Malita, Malungon, Alabel, Polomolok and
22 General Santos City, with an area of **7,580 hectares**, more or less.

23 **REGION 12**

24 **128. Kabacan River Watershed-**supporting the Kabacan-Pagalungan RIS, located
25 in the province of North Cotabato, covering the municipalities of Kabacan and
26 Kidapawan with an area of **74,000 hectares**, more or less.

27 **129. Libungan River Watershed-** supporting the Libungan RIS, located in the
28 province of North Cotabato, covering the municipality of Libungan, with an area
29 of **51,700 hectares**, more or less.

- 1 130. **M'lang River Watershed-** supporting the M'lang RIS, located in the province
2 of North Cotabato, covering the municipalities of M'lang and Makilala with an
3 area of **20,100 hectares**, more or less.
- 4 131. **Malasila River Watershed-** supporting the Malasila RIS, located in the
5 province of North Cotabato, covering the municipalities of Tukuran and Makilala
6 with an area of **31,200 hectares**, more or less.
- 7 132. **Allah River Watershed-** supporting Allah I RIS and Allah II –Lambayong
8 RIS, located in the province of South Cotabato, covering the municipalities of
9 T'boli, Norala and Surallah, with an area of **158,290 hectares**, more or less.
- 10 133. **Banga River Watershed-** supporting the Banga RIS, located in the province
11 of South Cotabato, covering the municipality of Banga, with an area of **28,800**
12 **hectares**, more or less.
- 13 134. **Silway River Watershed-** supporting the Silway RIS, located in the province
14 of South Cotabato, covering the municipalities of Dadiangas, Polomolok and
15 Koronadal, with an area of **53,300 hectares**, more or less.
- 16 135. **Palian River Watershed-** supporting the Marbel RIS 1&2, located in the
17 province of South Cotabato, covering the municipalities of Marbel and Tupi with
18 an area of **20,675 hectares**, more or less.
- 19 136. **Alip River Watershed-** supporting the Alip RIS, located in the province of
20 Sultan Kudarat, covering the municipalities of Columbio, Lutavan, with an area of
21 **37,950 hectares**, more or less.

22 **REGION 13**

- 23 137. **Cabadbaran River Watershed (Convergence WFR)-** supporting the
24 Cabadbaran RIS, located in the province of Agusan del Norte, covering the
25 municipality of Cabadbaran, with an area of **7,350 hectares**, more or less.
- 26 138. **Taguibo River Watershed-** supporting Taguibo RIS, located in the province
27 of Agusan del Norte, covering the municipality of Butuan City and Cabadbaran
28 with an area of **8,430 hectares**, more or less.

- 1 139. **Andanan River Watershed (Convergence WFR)**- supporting the
2 AndananRIS, located in the province of Agusan del Sur, covering the municipality
3 of Bayugan with an area of **19,200 hectares**, more or less.
- 4 140. **Simulao River Watershed- supporting** the Simulao RIS, located in the
5 provinces of Agusan del Sur and Surigao del Sur, covering the municipalities of
6 Bunawan, Trento, Bislig and Lingig with an area of **42,900 hectares**, more or
7 less.
- 8 141. **Caracan River Watershed-** supporting the Cantilan RIS, located in the
9 provinces of Surigao del Sur and Agusan del Norte, covering the municipalities of
10 Madrid and Jagupit, with an area of **12,180 hectares**, more or less.
- 11 142. **Tago River Watershed-** supporting the Tago RIS, located in the province of
12 Surigao del Sur and Agusan del Sur, covering the municipalities of Tago, Cagwit
13 and Bayugan with an area of **118,000 hectares**, more or less.

14 **ARMM**

- 15 143. **Gata River Watershed-** supporting the Rugnan RIS, located in the province
16 of Lanao del Sur, covering the municipalities of Maguindanao, Lumba-Bayabao,
17 with an area of **18,500 hectares**, more or less.

18 *Sec 5. Inclusions of other areas that can form part of the Watershed Supporting*
19 *the National Irrigation System –* Lands of the public domain that have been classified as
20 forestland or timberland pursuant to Section 3 of the 1987 Constitution and unclassified
21 forestlands that are actually, directly and found to be essential for irrigation purposes
22 and all other watershed areas that are supporting water-based infrastructure, can be
23 included in the list after the passage of this Act thru the following procedures:

- 24 a) Within one (1) year from the effectivity of this Act, The DENR, thru the Forest
25 Management Bureau, upon the recommendation of the Department of
26 Agriculture thru the National Irrigation Administration, shall submit to the Office
27 of the President, application/s for inclusion in the List of Watersheds Supporting
28 the National Irrigation System, which shall contain the following:

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1. Topographic maps ascertaining the location of the watersheds to avert any trans- boundary issues especially if the watershed embraces two or more municipalities.
2. Maps including characterization of the watershed with legal descriptions of boundaries.
3. Sangguniang Barangay, Sangguniang Bayan, and Sangguniang Panglalawigan Resolutions asserting the need for the inclusion of the watershed in the List of Watersheds Supporting the National Irrigation System, for the protection, conservation and rehabilitation of the same.
4. Copy of Joint LGU Resolutions, MOA/MOU or any agreements for the protection, conservation and rehabilitation of the watershed, especially if the coverage is within two or more municipalities to avoid duplication in the filing of application and to prevent possible irritants on boundary issues.
5. Copy of watershed management plan.
6. Copy of a watershed resource profile, specifically, information on the to the following:
 - 6.1 Estimated water run-off
 - 6.2 Forest cover of the watershed
 - 6.3 Estimated area to be serviced by the watershed (in hectares)
 - 6.4 Multiple uses of water resources

b) The President shall issue a presidential proclamation designating the recommended watershed/s to form part of the List of Watersheds Supporting the National Irrigation System and provide for the same protection, conservation and rehabilitation.

c) Forest lands and timberland being primary classification of public lands pursuant to the provision of Section 3 of Article 12 of the 1987 Constitution, and the President having been vested the responsibility over primary classification of lands of the public domain pursuant to the provision of Commonwealth Act

1 No.141 [1936], Sec. 6 and Executive Order No. 192 [1987], shall exercise such
2 function upon the recommendation of the DENR and such classification/s does
3 not warrant concurrence of Congress.

4 CHAPTER II

5 ADMINISTRATION AND MANAGEMENT PLANS

6 *Sec 6. Jurisdiction, Control and Management of Watershed Supporting National*
7 *Irrigation System* – The Department of Environment and Natural Resources thru the
8 Bureau of Forests Management in collaboration with the Department of Agriculture thru
9 the National Irrigation Authority shall have exclusive and primary jurisdiction, control
10 and management on all identified Watersheds Supporting the National Irrigation
11 System.

12 *Sec 7. Creation of Watershed Supporting the National Irrigation System Council*
13 – The DENR and the DA shall create **Watershed Supporting the National**
14 **Irrigation System Council**, which shall be composed of the Secretary of DENR and
15 Secretary of DA, acting as Co-Chairmen and the Director of the Forest Management
16 Bureau and the Administrator of the National Irrigation Administration as Vice Chairmen
17 and the following as members:

- 18 1. Department of Budget and Management
- 19 2. Department of Interior and Government
- 20 3. Department of Public Works and Highways
- 21 4. Land Bank of the Philippines
- 22 5. National Power Corporation (Hydro-electric)
- 23 6. PNOC –EDC (Geothermal)
- 24 7. NWRB (Domestic-Industrial Water)
- 25 8. LWUA (Domestic Water)
- 26 9. 3 Representatives from IPs (Luzon, Visayas, Mindanao)
- 27 10. Representatives from the affected Sectors (Rotational-based on regional
28 concern) Local Waterworks, Local Hydro-Electric Concessionaire, Tenured
29 migrants and Local Government Units.

1 *Sec 8. Participation of LGUs and other stakeholders in the Watershed*
2 *Management Plans* - All Local Government Units where the watersheds supporting the
3 National Irrigation System are situated shall be involved in the planning, development
4 and implementation of a comprehensive watershed management plan that must be
5 holistic, scientific, rights-based, technology based and community-based and that shall
6 be done in a collaborative manner to ensure that the protection of the watershed, the
7 conservation of its water resources and the preservation of its inherent productive
8 capacity will be sustained to bring about the highest and widest benefit for the present
9 and future generations The sustainability of water resources must be ensured by
10 encouraging the meaningful and active participation of stakeholders especially those
11 who are directly benefited and there from, establish a sustainable and multi-institution
12 capable of addressing natural resources issues in a watershed.

13 There shall be common responsibility from the LGU/s and the stakeholders in the
14 implementation of the Watershed Management Plan for the conservation, protection
15 and rehabilitation of the Watershed Supporting the National Irrigation System.

16 *Sec 9. Creation of Provincial and Municipal Co-Management Board.* – To enable
17 to sustain the effort of rehabilitation, conservation and protection of the Watershed
18 Supporting the National Irrigation System, a Provincial and Municipal Co-Management
19 Board shall be established to facilitate joint efforts in the management of the
20 watersheds common in their areas and oversee the utilization of water resources and
21 conduct resource accounting to ascertain the biophysical and economic viability of the
22 watersheds.

23 The Co-Management Board shall be composed of:

- 24 1) Concerned LGUs (Provincial, Municipal and Barangay whose territorial boundaries
25 and jurisdiction includes the Watershed Supporting the NIS.
- 26 2) Water Districts or Water Utility Firms operating and using the water that directly
27 comes from the watershed thru the river systems.
- 28 3) DENR-FMB
- 29 4) DA – NIA
- 30 5) Local Stakeholders-Water consumers and concessionaires

1 6) NGO-PO- existing and operating within the area

2 7) Industrial Users

3 8) Academe

4 CHAPTER III

5 FUNDING SOURCE

6 SECTION 10. *Funding Allocation.* – Upon the enactment of this Act, the amount
7 needed to implement the conservation, protection and rehabilitation measures shall be
8 taken from the budget of Department of Environment and Natural Resources (DENR)
9 and the Department of Agriculture (DA) and shall be equivalent to no less than **5%** of
10 the annual appropriation of each Department.

11 Sec 11. *Creation of Watershed Supporting the National Irrigation System Fund –*
12 In order to cover the expenses and cost of supporting the efforts to conserve, protect
13 and rehabilitate the Watersheds Supporting the National Irrigation System, the yearly
14 appropriation of 5% coming from the DENR and the DA budget shall be immediately set
15 aside and placed in a **Special Fund** that will be called Watersheds Supporting The
16 National Irrigation System Special Fund (WSNIS-Fund)

17 Sec 12. *Management and control of the WSNIS Special Fund -* The Watershed
18 Supporting the National Irrigation System **Council** shall be in charge of the
19 management, control and disposition of all funds for the purpose of financing projects
20 for the conservation, protection and rehabilitation of the watersheds supporting the
21 National Irrigation System.

22 Sec 13. *Additional Funds –* Additional funds are hereby authorized to be added to
23 the special fund to augment the funding requirements to fully implement the
24 conservation, protection and rehabilitation measures for the watersheds. Sources of
25 funding shall include the following:

- 26 1. Collection of five (5) centavos for every peso being paid as irrigation fees.
- 27 2. Collection of five (5) centavos for every cubic meter of water based on the actual
28 billing and collection from the local waterworks utilities that are using portion of
29 the water for household use.

- 1 3. Collections of five (5) centavos for every kilowatt hour produced by local hydro
2 electric cooperatives or concessionaires.
- 3 4. Proceeds from local or foreign grants, donations, endowments, solicitations and
4 all forms of contributions.

5 *Sec 14. Compensation of Host Communities – Ancestral/indigenous peoples’*
6 *communities and other host communities living within or on the periphery of the*
7 *watersheds and found to be directly protecting the watersheds shall be compensated*
8 *out of the watershed fees or from any income derive from watershed resources or out*
9 *of the use of water from the watershed. The compensation shall be determined by the*
10 *Provincial and Municipal Co-Management Board.*

11 *Sec 15. Exemption from taxes - All additional funds accruing to the WSNIS*
12 *Special Fund shall be exempted from income taxes, charges and fees and all other*
13 *taxes that may be imposed by the National Government or the Local Government where*
14 *the income was derive.*

15 All income derive as payments for value of the water resources coming from the
16 Watersheds supporting the National Irrigation System shall be utilized solely and
17 directly for the conservation, protection and rehabilitation of all the WSNIS.

18 CHAPTER IV

19 GENERAL PROVISIONS

20 *Sec 16. Prohibitions - In line with the provision of Section 4 of the Constitution,*
21 *whereby the specific limits of forestlands shall be determined by law, marking clearly*
22 *their boundaries on the ground, thereafter, such forestland shall be conserved and may*
23 *not be increased nor diminished except by law. The following acts shall be prohibited:*

- 24 1. Watershed as an integral part of established forest reserves shall not be
25 subjected to disestablishment proceedings pursuant to the provision of Section 7
26 of the National Integrated Protected Areas Act or R.A. 7586.
- 27 2. Watersheds supporting the National Irrigation System shall not be subjected to a
28 Protected Area Suitability Assessment (PASA) by the PAWB, to determine their
29 **suitability or non-suitability for preservation as a protected area.**
30 Rather, watersheds supporting the National Irrigation System if found to be

1 degraded shall be maintained, protected and rehabilitated and restore it to its
2 former growth and vegetation.

3 3. The inclusion of Watersheds supporting the National Irrigation System according
4 to the appropriate categories as protected areas under the NIPAS framework
5 shall no longer apply.

6 4. Multiple uses of watershed resources shall be strictly prohibited. The water
7 resources which are the inherent contribution of watershed must be conserved,
8 protected and enhanced to produce its optimum capacity.

9 *Sec 17. Diminution of Watershed Areas* – There shall be no diminution of
10 Watersheds Supporting the National Irrigation System. The determination of Congress
11 pursuant to the provisions of Sec. 4, Chapter 12 of the Constitution, of the specific limits
12 of forest lands shall be maintained and protected when it comes to all proclaimed
13 watershed and WS-NIS. All attempts to re-classify and remove portion of watershed area
14 to be converted to other uses shall not be allowed.

15 *Sec 18. Disposition of Watershed Areas* – The following activities are considered
16 environmentally critical projects and activities that are detrimental to the integrity of the
17 water resources and hydrological balance of the Watersheds supporting the National
18 Irrigation System and may bring irreversible damage to the watershed’s water bearing
19 capacity, and therefore shall not be allowed and strictly prohibited:

- 20 1. All forms of mining operations.
- 21 2. Granting of Mineral, Production Sharing Agreements (MPSA) or Financial or
22 Technical Assistance Agreement FTAA.
- 23 3. Granting of mining permits or licenses, for extraction of minerals and Quarry
24 Permits for the extraction and utilization of quarry resources.
- 25 4. All forms of logging operations.
- 26 5. Kaingin type of Agriculture.
- 27 6. Any form of human settlements except IP community.
- 28 7. Harvesting of trees or parts of trees for charcoal making.
- 29 8. Unlawful Occupation or encroachment or destruction of watershed

1 Sec 19. *Penalties* – Any person who knowingly or willfully violates the provision
2 of this Act shall be punished by imprisonment of no less than one (1) year, to not more
3 than three (3) years or a fine of no less than five hundred thousand (500,000) pesos or
4 both, at the discretion of the court. For tenured migrants, and settlers living inside the
5 watershed that unknowingly violate the provisions of this Act; they shall be subjected to
6 a month of rigid training and capability development in lieu of fines and imprisonment.
7 Repeat of violations shall be dealt with fines or imprisonment and ejection.

8 Sec 20. *Suppletory Application of Existing Legislation* – The provision of
9 Presidential Decree No. 705 (Revised Forestry Code); Republic Act 7586 (NIPAS Act);
10 Com. Act No. 141 [1936]; Phil. Clean Water Act; Water Code of the Philippines;
11 Executive Order No. 192 Series of 1987; Executive Order 224 Series of 1987; Executive
12 Order No. 510 Series of 2006; and other laws not inconsistent with this Act shall have
13 suppletory effect.

14 Sec 21. *Repealing Clause* – Section 7 and Section 5 (a) & (d) of the R. A. No.
15 7586 (NIPAS ACT); Executive Order No. 224; Section 18 of R.A. 7942 (Phil. Mining Act
16 of 1995 and all other laws, decrees, executive orders, rules and regulations, issuances
17 or parts thereof inconsistent with this Act are hereby repealed or amended accordingly.

18 Sec 22. *Separability Clause* – If for any reason, any section or provision of this
19 Act is declared null and void, no other section, provision, or part thereof shall be
20 affected and the same shall remain in full force and effect.

21 Sec 23. *Effectivity Clause* - This Act shall take effect immediately after
22 publication in at least two (2) national newspaper of general circulation.

Approved