

**Establishing a
Wildlife Sanctuary
in Sitio Longog,
Calayan Island**

***Public Hearing
Proceedings***

28 September 2009
Municipality of Calayan, Cagayan

Isla Biodiversity Conservation



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Acknowledgment:

Resident and farmers of Sitio Longog; local government unit of Calayan; office of the MENRO, MAO, MPDC; Sangguniang Bayan of Calayan; Philippine National Police – Calayan; barangay officials and community members who helped organized and participated in the public hearing; faculty members of the Magsidel Elementary School for the use of their classroom; volunteers: Virgie Bumagat, Jam Reynon, Rocky Reynon, Randy Ventura, Ryan Ventura, Jonathan Escalante; team members of the Calayan Rail Project; Conservation Leadership Programme and the Philippine Tropical Forest Conservation Foundation, Inc.

PUBLIC HEARING HIGHLIGHTS

Public Hearing on the proposed wildlife sanctuary in Sitio Longog

The Public Hearing was part of a series of consultations with local stakeholders, key members of the Local Government Unit (LGU) and the Municipal Council or *Sangguniang Bayan* (SB) of Calayan, Cagayan, on establishing a wildlife sanctuary to protect the wildlife and watershed of Calayan Island. In May 2008, SB members recommended holding a Public Hearing with local residents to address issues pertaining to the wildlife sanctuary being declared through a municipal ordinance. The Public Hearing was held on September 28, 2009 at the Magsidel Elementary School in Barangay Magsidel. With local residents and farmers, barangay officials, SB members, representatives from the Philippine National Police – Calayan, and representatives of the local government unit of Calayan, the Public Hearing became a venue to review the sections of the draft wildlife sanctuary ordinance, to exchange questions, comments and suggestions on the boundaries, reporting schemes, management and to discuss the next steps to be done.

To date, the ordinance has been forwarded to the Sangguniang Bayan committee on Laws and Means from the Environment Committee. This is pending justification and third reading prior to the approval of the SB members. The SB is also requesting to put temporary marking to physically delineate the boundaries of the sanctuary. As soon as the boundaries are in place, the resolution adopting the ordinance will be passed.

Agreements from the Public Hearing:

- Temporary marking on boundaries.
- Gathering of fish, freshwater eel (udang) and other freshwater resources inside the sanctuary is prohibited.
- Tourists are allowed inside the sanctuary provided that they follow the rules and regulations of the sanctuary. Tourists are also prohibited to feed wild animals, gather flora and leave trash within the sanctuary.
- It will be hard to disallow carrying airgun, knife, etc within the sanctuary as people use the trail in travelling.
 - It would be best to secure exit points along the trails.
 - Creating new trails will not be allowed, as cutting of trees is not allowed nationally.
 - Construction of a circumferential road is in effect – this should be encouraged instead of passing through the mountain.
 - Outposts can be created, but this might need some budget.
- Create ‘multipliers’ through volunteer wardens to help in monitoring and reporting of violators.
- The section on volunteer wardens (Section 9 on Bantay Sanktuwaryo) will be removed from the ordinance as policing and enforcing laws are the responsibilities of the PNP and barangay officials through the barangay police. However, this does not discourage from creating a core group of volunteer wardens who can report to the PNP upon the passage of the ordinance.
- Training on law enforcement is necessary.

- A MENRO Office is recommended to manage the sanctuary. The SB has to check if a resolution or the appointment by the local executive is needed to establish this office.
- Matters pertaining to the sanctuary will be under the SB Committee on the Environment and assisted by the SB Committee on Peace and Order.
- Budget can be allocated by the SB Committee on the Environment, or through key local government agencies.

Public Hearing:
Establishing a Wildlife Sanctuary, Sitio Longog, Calayan Island

WORKSHOP OUTLINE

Date conducted: 28 September 2009

Venue: Magsidel Elementary School, Barangay Magsidel, Calayan

Background:

The Public Hearing is part of a series of consultations with local stakeholders, including key members of the Local Government Unit and the Sangguniang Bayan (SB) of Calayan, Cagayan, on establishing a wildlife sanctuary to protect the wildlife and watershed of Calayan Island. In May 2008, SB members recommended holding a Public Hearing with local residents to address issues pertaining to the wildlife sanctuary being declared through a municipal ordinance.

Audience: Local residents and landowners of Sitio Longog, barangay officials, members of the Sangguniang Bayan of Calayan, Philippine National Police – Calayan, representatives from the municipal government.

Agenda:

- Registration
 - Introduction of Participants
 - Objectives of the Public Hearing
 - Background: Previous consultations conducted
 - May 2007 Participatory Resource Mapping
 - May 2008 Audience with the SB and key LGU offices
 - May 2008 Consultation Workshop
 - Presentation of Municipal Ordinance
 - Review of draft Municipal Ordinance (grouping)
 - Lunch
 - Issues on creating the wildlife sanctuary and its management plan
 - Agency/ organization that will handle the management of the wildlife sanctuary
 - Reporting scheme for wardens
 - Reporting and turn-over of apprehended violators
 - Funding and budget for honoraria of wardens
 - Budget for the management of the sanctuary
- Next Steps

Documentation: The proceeding is recorded using an MP3 player; a documentor is also present during the Public Hearing.

**Public Hearing:
Establishing A Wildlife Sanctuary, Sitio Longog, Calayan Island**

PROCEEDINGS

Time	Activity and Facilitator
9:32	Introduction of Participants, <i>Carl H. Oliveros, Isla Biodiversity Conservation(Isla)</i>
9:36	Objectives of the Public Hearing, <i>Carl H. Oliveros (Isla)</i> <ul style="list-style-type: none"> • Public hearing para sa wildlife sanctuary • Mga gagawing mga pagpa-plano para sa sanktuwaryo
9:38	Background: Previous consultations conducted, <i>Cynthia Adeline Layusa (Isla)</i>
9:43	Presentation of Draft Ordinance, <i>Hon. Antonio Coloma, SB Member</i> <ul style="list-style-type: none"> • Referred to the laws and ordinances committee from the environment committee • Isasama sa committee report ang resulta ng public hearing • May mga penal provisions ang ordinance • Ito ang unang public hearing na kasama ang PNP • May police power ang barangay officials • Balikan ang proposed boundaries – markings of buffer and sanctuary zones should be discussed • Ang agriculture zone – base sa discussion sa mga taga Longog • Emphasis on rules and regulations – these are all lifted from previous consultations
10:00	Presentation of Maps , <i>Carl H. Oliveros, (Isla)</i> <ul style="list-style-type: none"> • Started with identifying reference points and place names. Using a software called Global Mapper, the following maps were presented: <ul style="list-style-type: none"> ○ Location of sanctuary – references ○ Residences ○ Agriculture lands ○ Alienable and Disposable (A&D) lands ○ Land classification (majority are protection forests) ○ Watershed ○ Google map of Calayan shared by Hon. Coloma ○ Calayan Rail distribution
10:26	Open Forum
	<p>Constante Ventura:</p> <ul style="list-style-type: none"> • Ang ibang claimants ay matatamaan ng sanktuwaryo; Maliit ang agriculture zone na nasa northwest part ng Longog • Hindi kasama ang kadaan na may bato • Hindi nakalagay ang mga ilog • Sana kasama ang mga niyogan; i-survey para 4ab a4 ang A and D lands
	<p>Tony Coloma:</p> <ul style="list-style-type: none"> • First step lang itong public hearing • Ire-request ang DENR na i-delineate ang A and D lands para din 4ab a4 kung sino ang mga legal land owners • 215 hectares ang agriculture zone
	<p>CV: Sana huwag nang papasukin ang hindi taga Longog</p> <ul style="list-style-type: none"> • May petition na ginagawa ang mga 4ab a4nt eng Longog para mabigyan ng titulo ng DENR ang mga lupa.

	<ul style="list-style-type: none"> Hindi na mag-e-extend ng lupang sinasaka, para kami na ang magdi-disiplina sa sarili
	<p>CO: Magandang i-survey ang A and D; sana nga at magsurvey ang DENR</p> <ul style="list-style-type: none"> Pwedeng mag-intervene kapag sa forest zone ang sakahan o bahay, pero kapag nasa A and D, mahirap dahil may legal basis ito
	<p>CV: Distance from Longog to Magsidel (malayo din ang Longog sa Magsidel), pero bakit wala sila dito kung interesado sila?</p>
<p>Note: MP3 stopped recording – continue recording at VV005.wav</p>	
	<p>TC: Iba ang ginagawang sanctuary sa petition ng mga claimants</p> <ul style="list-style-type: none"> May 100 meters buffer zone sa pagitan ng talon o agriculture zone at protection zone.
	<p>CV: Gustong ipagpatuloy ang sanctuary</p>
	<p>CO: Gusto bang palawakin pa ang agriculture zone?</p>
	<p>CV: Hindi, mga claimants lang.</p>
	<p>CO: Problema sa lupa – DENR at Assessor’s Office ang dapat lapitan para malaman kung sino ang may-ari ng lupa, legal ba o hindi.</p> <ul style="list-style-type: none"> Hindi ito sakop ng discussion ngayon araw Valid ang concerns ng mga claimants, pero hindi ito ang venue para sa concern sa pagtitulo ng lupa
	<p>CV: Pag-voice out lang ng mga concerns</p>
	<p>TC: I-assure natin na hindi masasagasaan ang mga lupa ng mga residente</p>
	<p>CO: Tungkol sa Bantay Sanktuwaryo</p>
	<p>TC: Sa ordinansa, tinanggal ang bantay sanktuwaryo dahil may mandata ang SB, PNP at mga barangay officials na manghuli, pero maaari pa ring magtalaga ng mga bantay sanktuwaryo kapag naipasa na ang ordinansa.</p>
10:59	<p>Grouping: Review of draft municipal ordinance</p>
	<p>David Abel: Sa Section 4, sinisita kapag nagbababa ng kahoy.</p>
	<p>Cutting trees for local use only.</p>
	<p>P/I Pepito Mendoza:</p> <ul style="list-style-type: none"> Not an exemption to the law – bawal pa rin sa national law ang pagputol at pagbaba ng kahoy. Subject to permit from DENR. Ang mga matured na puno ay maaaring bawasan para mabuhay ang mga maliliit na puno, pero sa sanktuwaryo, di pwede kahit salvaging. Specific sa DENR kung saan lang pwedeng kumuha ng puno, basa may permit, pwede. Pwedeng sa MENRO kumuha ng permit.
	<p>CO: Sana ma-establish din ang MENRO Office dahil madaming functions ang DENR na na-devolve na sa LGU.</p>
	<p>Reynaldo Javier: Katanungan sa Agriculture Zone, paano kung pumunta sa taniman ang mga hayop?</p>
	<p>CO: Ang nasa ordinansa ay ‘within’.</p>
	<p>RJ: Sa mga kadaanan, paano kapag balikan ng may-ari, pwede bang linisin at tamnan ulit? Ang mga Rumusud, may tax declaration daw.</p>
	<p>CO: Kung nasa ‘protection zone’ hindi na dapat. Ang pagkaka-alam (naming) mula sa mga mapa, hindi nasa A&D lands and lupa nila, ito ay nasa forest zone.</p>
	<p>RJ: Paano kung may tax declaration?</p>
	<p>TC: Ang mga tax declaration ay hindi proof of ownership. Kahit ang ISF, pwedeng i-cultivate ito pero dapat ay ibalik sa forest state within 25 years.</p>

	CV: Paano ang mga dumadaan na may dalang airgun?
	Vicente Gonzales: Pwedeng i-minimize ang airgun, bigyan ng permit.
	CO: Maganda yan, pero sa ibang ordinansa ito dapat.
	Cynthia Layusa: Kahit sa isang barangay ordinance ang pagcontrol o pagbawal sa airgun.
	VG: Pwede kasing sabihin na sa iba kinuha (ang mga nahuli).
	TC: Pwedeng ipagbawal sa barangay. Kaya ba ipagbawal at bantayan doon? Kung dito pa lang din a mapatupag ang batas.
	CO: Ito ang matutulong ng mga volunteer wardens, dahil sila ang makakakita sa lahat ng dumadaan.
	P/I: Magandang gayahin ang ginawa sa Samar na bawal ang pagpasok ng airgun (at iba pa) sa sanktuwaryo.
	CL: Baka pwedeng sa buffer zone pa lang ay bawal din.
	TC: Maganda, pwedeng isama sa ordinansa.
	Gil Ballado: Sa pagsisilo, nahuhuli din ang piding kahit abuyo ang gusting hulihin.
	CO: Bawal sa sanktuwaryo ang pagsisilo.
	CO: Payag ban a isama sa ordinansa ang pagbabawal sa pagdala ng airgun, etc sa loob ng sanktuwaryo?
	RJ: Paano kung may ibang daang gawin?
	DA: Mukhang mahirap dahil may mga taga-Narvacan o Magsidel na pumupunta at nagtrabaho sa Longog.
	CV: Higgpitan na lang pagbabantay sa exit points.
	CO: Baka hindi ito “popular” lalo na sa mga nanggagaling sa malayo. <ul style="list-style-type: none"> • May ginagawa sa Zamboanga na mga outposts, etc para sa pagbabantay ng mga exit points, pero ito ay dahil may pondo sila doon. Maaaring pag-usapan natin ito mamaya. • May circumferential road na rin na pinapagawa ang LGU.
	DA: Pwedeng huwag nang gawin diversion road ang gitna ng bundok. Para na lang sa tao at kalabaw ito.
	TC: Kaya din naipasa ang pagpapagawa ng daan palibot ng isla para hindi na kailangang pumasok pa sa loob ng bundok. <ul style="list-style-type: none"> • Sa PNP, paano ang recommendation sa pagpatupad nito?
	P/I: Dapat may multiplier sa mga barangay. Mag-iikot lang ang mga pulis at magmonitor at kukuha ng report sa mga multiplier. Nagrerequest din ngayon ang PNP-Calayan ng additional 5 personnel para makatulong pa.
	TC: Maaaring tumulong ang SB para sa request ng PNP-Calayan.
11:50	Break for Lunch
12:37	Resume Discussions
	Nehemias Abel: Kasama ba ang mga isda, udang sa mapo-protektahan?
	CO: Di naisama sa initial consultation, pero sa strict definition ng ‘wildlife sanctuary’, hindi dapat maaaring hulihin ito. Depende sa tao at local community kung ano ang gusto ninyong gawin?
	VG: Kapag gawing exemption (ang paghuli ng isda at udang sa loob ng sanctuary), pwede na siyang pumasok at labag na ito sa ating napag-usapan kanina.
	<u>CONSENSUS:</u> Hindi maaaring kumuha ng isda, udang o ibang yamang-tubig kung ang ilog ay nasa loob ng sanktuwaryo.
	VG: Kasama ba ang Nagsarming Falls sa loob ng sanktuwaryo? Madami kasing turista ang nagpupunta dito.

	CO: Nasa border ito ng sanktuwaryo. Dalawa ang Nagsarmingan Falls.
	CL: Pwede din naman ang turista ayon sa proposed ordinance, basta susunod din sila sa patakaran ng sanktuwaryo. <ul style="list-style-type: none"> • Bawal din paka-inin ang mga hayop, bawal magtapon ng basura.
	CO: May kuweba na maaaring gawing tourist spot (natural scenery), para din sa local economy
12:47	Initial Discussions on Creating the Management Plan, <i>Carl Oliveros</i> Overview on the management plan for the sanctuary: initial issues and ideas on coming up with a plan to manage the wildlife sanctuary once approved.
	TC: Pwedeng mag-set-aside ang SB ng pondo, o humingi sa mga related agencies kapag ang ordinansa ay naipasa na. <ul style="list-style-type: none"> • Hindi naman kailangan ng dagdag pondo dahil ito ay mga responsibilidad ng mga PNP at mga barangay tanod.
	CO: Magandang may “multiplier” at mga volunteers wardens na recommendation ni Chief (P/I Pepito Mendoza) na silang tutulong magbantay. <ul style="list-style-type: none"> • Na-pag-usapan din nating kanina ang pagkakaroon ng MENRO Office na tututok sa mga devolved functions ng DENR (para sa mga services, certifications, permitting) • Kung ganito, kailangan ban g SB Resolution/ appointed ng local executive?
	TC: Di sigurado, i-check naming kung isa ito sa mga functions ng SB.
	Elena Llopis: Committee on Environment (ng SB) muna ang titingin at mamamahala habang wala pang office.
	TC: Tutulong din ang Peace and Order Committee.
	CV: May 2 forest wardens bawat barangay na itinalaga. Baka pwede din silang isama?
	Al Llopis: Nagsimula ang mga forest wardens ngayong taon. Tatlo hanggang 4 na forest guards sa Magsidel. Simula ng Mayo, ang trabaho nila ay pahintuin ang mga kaingeros, i-identify ang mga nalaegan at mangulekta ng mga buto para sa pagtatanim.
	CO: May makakasama at makakatulong sa pagbabantay.
	AL: Nagrereport din sila ng mga violators.
	CO: Magandang activity din ang training para sa wardens.
	TC: Paralegal training. Sa pondo, may binabayaranang forest wardens ang LGU. <ul style="list-style-type: none"> • Dapat multi-barangay ang volunteers.
	CO: Paano ang pag-organize ng mga volunteers?
	TC: Through Chief of Police ng PNP-Calayan ang pag-organize ng volunteer wardens.
	CO: At ang pag-manage ay sa SB muna.
13:03	Next Steps, <i>Carl Oliveros</i> What needs to be done after the public hearing to ensure that the ordinance will be approved at the Sangguniang Bayan.
	EL: Maaaring malaman ang mga hayop/ halaman na makikita sa sanctuary?
	CO: Mayroong listahan at report na ibinigay ang grupo noong 2005. Ito ang resulta ng expedition survey na isinagawa noong 2004.
	CV: Magandang mag-meeting para sa development, monitoring at mga quarterly updates. Maganda ding magkaroon ng mga signages 50 meters mula sa sanktuwaryo.
	CO: Magandang magsagawa ng ganito kapag naipasa na ang ordinansa.
	TC: Established na ba ang mga trails? Pwedeng lagyan ng buffer zone sa mga trails (10 meters?) kung established na. Dapat isang trail lang.
	CO: Pwedeng violation kapag gumawa ng bagong trail dahil pagpuputol ito ng puno.
	TC: Ito (ang pubic hearing) ang second stage (pagpasa ng ordinansa). Sa halip na committee hearing, public hearing ang naganap. Sa second reading ang justification

	<p>ng resolution; sa third ang pagpasa na. May quorum ang SB dito kaya hindi na ito mahirap i-justify at ipaliwanag sa mga kasama sa SB.</p> <ul style="list-style-type: none"> • Kailangan nalang munang hintayin ang pagdelineate ng DENR sa mga boundaries ng sanktuwaryo bago ipasa ang resolution.
	CO: Baka matagala pa ang pagpasa ng resolution kapag hihintayin ang DENR.
	TC: Paano ang boundaries ng sanktuwaryo? Dahil ang DENR ang nakaka-alam ng A&D lands.
	CO: Pwedeng sa halip na DENR, bubuo ng core group ng mga volunteers na maglalagay. Kailangan bang ito ay Makita?
	TC: At least may existing boundaries na.
	CO: Ang mga signs at markers ay pwedeng gawin habang sinusulong ang ordinansa.
	TC: Magsama din mula sa MPDC.
	CV: Maganda ito para malinaw sa lahat. Baka pwedeng magrequest sa Provincial Governemnt na magpapunta ng DENR sa Calayan.
	CO: Pwedeng gawin ang pag-mark ng boundaries kahit wala ang DENR.
	TC: I-validate na lang ito ng DENR kapag dumating sila dito.
	EL: Pwedeng mag-request ulit tayo ng DENR.
	TC: Gawin natin ito in the meantime. Kapag dumating ang DENR, i-validate na lang nila.
	TC: Ipapasa itong ordinansa. At sana papasa din sa Sangguniang Panlalawigan. Kapag taliwas sa batas lang naman ang hindi nila ina-approve. Kapag wala silang action, considered pasado na ang ordinansa.
	Natapos ang Public Hearing. Hihintayin ng Sangguniang Bayan ang pagmarka ng boundaries ng sanktuwaryo bago ipasa ang ordinansa na magtatalaga sa bahagi ng Sitio Longog, Calayan Island bilan isang wildlife sanctuary.

Attendance:

	Pangalan	Tirahan/ Office
1	Gildo Ballada	Poblacion
2	Marginel Ventura	SB
3	Luciano Genova	Centro II
4	Contante Ventura	Magsidel
5	Amante C. Ventura	Magsidel/ MAO
6	Rico Felicisimo	SB Member
7	Antonio D. Coloma	SB Member
8	P/I Pepito A. Mendoza, Jr.	PNP-COP
9	Julio A. Tumaneng, Jr.	PNP
10	Efren DS Torida	PNP
11	Ronald Pascual	PNP
12	SP04 Elmer M. Dancel	PNP
13	Reynald J. Javier, Sr.	Magsidel
14	Jose Orel	Magsidel
15	Danilo D. Maquiraya	PNP
16	Violeta Orel	Kagawad, Barangay Magsidel
17	Elena Duero	Magsidel
18	Bernabe Patica	Kagawad, Barangay Magsidel
19	Tessie Singun	SB Member
20	Apolonio Collado	Kagawad, Barangay Magsidel
21	Marlon Espiritu	Kagawad, Barangay Magsidel
22	Reginold T. Arellano	Planning Officer I, MPDO
23	Romel Cobo	Magsidel
24	Emely Pagulayan	Kagawad, Barangay Magsidel
25	Nehemias B. Abel	Dibay
26	Roque C. Ventura	Barangay Captain, Barangay Magsidel
27	Nestor G. Fadero	Mayor's Office, HRM
28	Melody R. Visario	Magsidel
29	Vicente A. Gonzales	Kagawad, Barangay Dibay
30	Janice Goze Mendoza	Centro II
31	David A. Abel	Magsidel
32	Anastacio Agarpao	SB Member
33	Andres Balmes	Magsidel
34	Hon. Alfonso Llopis	SB Member
35	Hon. Elena Llopis	SB Member
36	Jameson Reynon	Magsidel; Isla Volunteer
37	Rocky Reynon	Magsidel; Isla Volunteer
38	Randy Ventura	Magsidel; Isla Volunteer
39	Ryan Ventura	Magsidel; Isla Volunteer
40	Renz Escalante	Magsidel; Isla volunteer
41	Carl H. Oliveros	Isla Biodiversity Conservation
42	Cynthia Adeline A. Layusa	Isla Biodiversity Conservation

Attachments

Draft Municipal Ordinance
3D Generated Map
Photos at Work

DRAFT MUNICIPAL ORDINANCE

Republic of the Philippines
MUNICIPALITY OF CALAYAN
Province of Cagayan

OFFICE OF THE SANGGUNIANG BAYAN

AN ORDINANCE DECLARING IDENTIFIED AREAS IN SITIO LONGOG AND PARTS OF BARANGAYS MAGSIDEL, DIBAY, DILAM, AND CABUDADAN, THIS MUNICIPALITY, AS A WILDLIFE SANCTUARY.

SECTION 1 – **Declaration of Policy.** Considering the fast depletion and imminent extinction of endangered species, it shall be the policy of the State to conserve the country’s wildlife resources and their habitats for sustainability. In pursuit of this policy, this Ordinance shall have the following objectives:

1. preserve, conserve and protect the habitat and population of the Calayan rail and the wildlife of Calayan Island in accordance with the Wildlife Resources Conservation and Protection Act and Local Government Code of the Philippines.
2. preserve important watershed areas in Calayan Island.
3. regulate the collection of wildlife in Calayan Island.

SECTION 2 – **Definitions.**

“ Buffer zone” shall refer to the identified area outside the boundaries of and immediately adjacent to the designated wildlife sanctuary that need special development control in order to avoid or minimize harm to the said wildlife sanctuary.

“DENR” shall refer to the Department of Environment and Natural Resources.

“Endangered species” shall refer to species or subspecies that is not critically endangered but whose survival in the wild is unlikely if the causal factors continue operating.

“Habitat” shall refer to a place or environment where a species or subspecies naturally occur or has naturally established its population;

“Local Government Code” shall refer to the Local Government Code of the Philippines of 1991 or Republic Act No. 7160;

“Wildlife” means wild forms and varieties of flora and fauna, in all developmental stages, including those which are in captivity or are being bred or propagated;

“Wildlife Act” shall refer to the Wildlife Resources Conservation and Protection Act or Republic Act No. 9147.

“Wildlife sanctuary” shall refer to an area which assures the natural conditions necessary to protect nationally significant species, groups of species, biotic communities or physical features of the environment where these may require specific human manipulation for the perpetuation.

SECTION 3 – **Scope of Application.** The provisions of this Ordinance shall be enforceable for all wildlife species found within the Longog Wildlife Sanctuary.

SECTION 4. – **Establishment of Wildlife Sanctuary-** Pursuant to and in accordance with the Wildlife Resources Conservation and Protection Act and the Local Government Code, the area bound by the following points covering 2,973 has (29.73 sq. km) and with a perimeter of 43,191 meters is declared and established as within the Longog Wildlife Sanctuary, and for the purposes of this ordinance, shall be referred to as the sanctuary’s protection zone:

No.	Description	Coordinates	
		N	E
1	Starts at the source of the western branch of Dibay River/Dakel a Danom(?) downstream along the following points:	N 19° 20' 25.3"	E 121° 24' 41.745"
		N 19° 20' 28.926"	E 121° 24' 44.047"
		N 19° 20' 33.634"	E 121° 24' 43.125"
		N 19° 20' 38.059"	E 121° 24' 41.621"
		N 19° 20' 42.204"	E 121° 24' 39.828"
2	Turns northeast toward the eastern branch of the Dibay River/Dakel a Danom (?) along the following points:	N 19° 20' 44.7"	E 121° 24' 39.803"
		N 19° 20' 47.51"	E 121° 24' 43.868"
		N 19° 20' 49.492"	E 121° 24' 48.524"
		N 19° 20' 52.011"	E 121° 24' 51.13"
3	Follows the eastern branch of the Dibay River/Dakel a Danom (?) upstream along the following points:	N 19° 20' 54.263"	E 121° 24' 54.907"
		N 19° 20' 55.413"	E 121° 24' 59.572"
		N 19° 20' 56.561"	E 121° 25' 3.944"
		N 19° 20' 55.057"	E 121° 25' 8.98"
		N 19° 20' 54.625"	E 121° 25' 14.699"
		N 19° 20' 49.837"	E 121° 25' 18.554"
		N 19° 20' 44.167"	E 121° 25' 17.974"
		N 19° 20' 39.826"	E 121° 25' 17.762"
		N19° 20' 31.0"	E121° 25' 18.5"
		N19° 20' 24.4"	E121° 25' 25.7"
		N 19° 20' 21.52"	E 121° 25' 34.195"
		N 19° 20' 14.82"	E 121° 25' 39.08"

4	Follows the base of the mountains around Longog Valley through the following points:	N 19° 20' 7.869" N 19° 20' 3.916" N 19° 20' 1.262" N 19° 19' 57.167" N 19° 19' 52.188" N19° 19' 50.3" N19° 19' 34.6" N 19° 19' 19.217" N 19° 19' 19.221" N 19° 19' 19.365" N 19° 19' 19.338" N 19° 19' 22.235" N 19° 19' 25.871" N 19° 19' 28.033" N 19° 19' 33.241" N 19° 19' 36.802" N 19° 19' 40.614" N 19° 19' 43.036" N 19° 19' 45.458" N 19° 19' 48.454"	E 121° 25' 43.717" E 121° 25' 45.347" E 121° 25' 46.905" E 121° 25' 50.009" E 121° 26' 3.083" E121° 26' 16.8" E121° 26' 32.2" E 121° 27' .352" E 121° 27' 26.341" E 121° 27' 33.022" E 121° 27' 40.192" E 121° 27' 44.391" E 121° 27' 47.863" E 121° 27' 41.122" E 121° 27' 33.768" E 121° 27' 28.475" E 121° 27' 19.966" E 121° 27' 11.177" E 121° 27' 2.388" E 121° 26' 55.931"
5	Traverses Longog Valley through the following points:	N 19° 19' 53.674" N 19° 19' 56.666" N 19° 20' 1.331" N19° 20' 21.4" N 19° 20' 31.336"	E 121° 26' 50.037" E 121° 26' 42.996" E 121° 26' 37.108" E121° 26' 31.9" E 121° 26' 21.586"

6	Follows the base of the mountains around Longog Valley through the following points:	N 19° 20' 38.561" N 19° 20' 42.112" N 19° 20' 44.479" N 19° 20' 48.479" N 19° 20' 51.07" N 19° 20' 56.983" N 19° 21' .275" N 19° 21' 4.606" N 19° 21' 8.873" N 19° 21' 12.053" N 19° 21' 15.724" N 19° 21' 14.085" N 19° 21' 8.569" N 19° 21' 4.941" N 19° 20' 47.813" N 19° 20' 44.811" N 19° 20' 40.68" N 19° 20' 36.814" N 19° 20' 33.315" N 19° 20' 34.353" N 19° 20' 34.735" N 19° 20' 36.939" N 19° 20' 38.405" N 19° 20' 40.586" N 19° 20' 42.046" N 19° 20' 42.189" N 19° 20' 43.164" N 19° 20' 43.305" N 19° 20' 41.262" N 19° 20' 42.85" N 19° 20' 42.999" N 19° 20' 41.926" N 19° 20' 38.06" N 19° 20' 35.909" N 19° 20' 31.574" N 19° 20' 31.731" N 19° 20' 38.236" N 19° 20' 40.421" N 19° 20' 40.808" N 19° 20' 38.429" N 19° 20' 35.068" N 19° 20' 36.547" N 19° 20' 37.179" N 19° 20' 36.931"	E 121° 26' 20.755" E 121° 26' 21.358" E 121° 26' 22.885" E 121° 26' 24.851" E 121° 26' 31.811" E 121° 26' 32.644" E 121° 26' 37.057" E 121° 26' 36.127" E 121° 26' 41.801" E 121° 26' 47.231" E 121° 26' 53.673" E 121° 26' 59.276" E 121° 27' 2.629" E 121° 27' 1.267" E 121° 26' 59.778" E 121° 27' 1.076" E 121° 26' 57.179" E 121° 26' 56.199" E 121° 27' 2.093" E 121° 27' 4.349" E 121° 27' 6.758" E 121° 27' 10.801" E 121° 27' 13.2" E 121° 27' 14.449" E 121° 27' 16.086" E 121° 27' 18.751" E 121° 27' 20.012" E 121° 27' 22.423" E 121° 27' 23.204" E 121° 27' 25.602" E 121° 27' 29.029" E 121° 27' 30.436" E 121° 27' 29.329" E 121° 27' 31.508" E 121° 27' 32.057" E 121° 27' 36.373" E 121° 27' 35.931" E 121° 27' 37.688" E 121° 27' 40.732" E 121° 27' 44.436" E 121° 27' 46.119" E 121° 27' 50.041" E 121° 27' 54.873" E 19° 27' 59.853"
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		N 19° 20' 31.938" N 19° 20' 28.642" N 19° 20' 26.622" N 19° 20' 24.56" N 19° 20' 19.466" N 19° 20' 18.133" N 19° 20' 19.535" N 19° 20' 25.528" N 19° 20' 28.215" N 19° 20' 26.278" N 19° 20' 19.761" N 19° 20' 14.582" N 19° 20' 10.054"	E 121° 28' 2.338" E 121° 28' .235" E 121° 28' .864" E 121° 28' 7.892" E 121° 28' 9.87" E 121° 28' 12.889" E 121° 28' 23.267" E 121° 28' 32.216" E 121° 28' 39.118" E 121° 28' 43.292" E 121° 28' 50.279" E 121° 29' .025" E 121° 29' 9.071"
7	Follows the dirt road along the following points:	N 19° 20' 3.487" N 19° 19' 58.207" N 19° 19' 53.759" N 19° 19' 49.586" N 19° 19' 46.236" N 19° 19' 42.613" N 19° 19' 39." N 19° 19' 34.224" N 19° 19' 30.582" N 19° 19' 26.682" N 19° 19' 19.998" N 19° 19' 16.922" N 19° 19' 13.29" N 19° 19' 8.557" N 19° 19' 3.000" N 19° 18' 56.879" N 19° 18' 49.365" N 19° 18' 45.51" N 19° 18' 42.999" N 19° 18' 41.028" N 19° 18' 41.157" N 19° 18' 35.549" N 19° 18' 30.56" N 19° 18' 26.519" N 19° 18' 20.607" N 19° 18' 14.063" N 19° 18' 9.085" N 19° 18' 3.152" N 19° 17' 59.08"	E 121° 29' 14.3" E 121° 29' 13.179" E 121° 29' 12.052" E 121° 29' 10.629" E 121° 29' 8.03" E 121° 29' 6.018" E 121° 29' 5.175" E 121° 28' 57.913" E 121° 28' 53.564" E 121° 28' 51.555" E 121° 28' 48.402" E 121° 28' 45.509" E 121° 28' 42.328" E 121° 28' 40.327" E 121° 28' 39.209" E 121° 28' 36.929" E 121° 28' 34.076" E 121° 28' 36.609" E 121° 28' 37.83" E 121° 28' 42.465" E 121° 28' 46.373" E 121° 28' 47.74" E 121° 28' 48.444" E 121° 28' 50.454" E 121° 28' 52.81" E 121° 28' 54.185" E 121° 28' 56.204" E 121° 28' 55.93" E 121° 28' 54.324"
8	Turns west towards the western branch of the Tugod River through the following points:	N 19° 17' 55.636" N 19° 17' 53.733" N 19° 17' 51.832" N 19° 17' 50.545" N 19° 17' 50.192" N 19° 17' 50.145"	E 121° 28' 53.04" E 121° 28' 49.441" E 121° 28' 46.171" E 121° 28' 41.58" E 121° 28' 36.652" E 121° 28' 31.063"

9	Follows the Tugod River upstream along the following points:	N 19° 17' 51.668" N 19° 17' 56.952" N 19° 18' .358" N 19° 18' 1.251" N 19° 18' 4.646" N 19° 18' 8.046" N 19° 18' 8.949" N 19° 18' 13.626" N 19° 18' 15.474" N 19° 18' 17.941" N 19° 18' 22.314" N 19° 18' 25.984" N 19° 18' 32.023"	E 121° 28' 26.446" E 121° 28' 23.767" E 121° 28' 20.447" E 121° 28' 15.178" E 121° 28' 10.544" E 121° 28' 6.567" E 121° 28' 2.613" E 121° 28' 1.912" E 121° 27' 58.935" E 121° 27' 55.296" E 121° 27' 55.584" E 121° 27' 53.621" E 121° 27' 54.743"
10	Turns west towards one of the branches of the Balagubag River through the following points:	N 19° 18' 37.662" N 19° 18' 40.441" N 19° 18' 42.913" N 19° 18' 49.045" N 19° 18' 49.943" N 19° 18' 46.78" N 19° 18' 51.117" N 19° 18' 51.042" N 19° 18' 44.749" N 19° 18' 40.337" N 19° 18' 38.113" N 19° 18' 33.334" N 19° 18' 29.619"	E 121° 27' 54.741" E 121° 27' 55.3" E 121° 27' 52.355" E 121° 27' 50.991" E 121° 27' 46.379" E 121° 27' 41.476" E 121° 27' 37.49" E 121° 27' 28.613" E 121° 27' 22.753" E 121° 27' 17.863" E 121° 27' 13.28" E 121° 27' 8.135" E 121° 27' 7.556"
11	Follows one branch of the Balagubag River downstream then upstream along another branch through the following points:	N 19° 18' 24.947" N 19° 18' 20.353" N 19° 18' 17.486" N 19° 18' 13.425" N 19° 18' 8.725" N 19° 18' 5.631" N 19° 18' 4.725" N 19° 17' 59.51" N 19° 17' 56.792" N 19° 17' 54.778" N 19° 17' 48.237" N 19° 17' 45.504" N 19° 17' 45.189" N 19° 17' 42.103" N 19° 17' 41.794" N 19° 17' 40.107" N 19° 17' 39.793"	E 121° 27' 6.828" E 121° 27' 10.308" E 121° 27' 10.498" E 121° 27' 10.767" E 121° 27' 11.079" E 121° 27' 11.284" E 121° 27' 14.909" E 121° 27' 15.442" E 121° 27' 17.163" E 121° 27' 19.934" E 121° 27' 21.64" E 121° 27' 20.755" E 121° 27' 16.375" E 121° 27' 12.314" E 121° 27' 8.519" E 121° 27' 5.906" E 121° 27' 1.527"

12	Follows the ridge of Mt. Bagasul going northwest through the following points:	N 19° 17' 38.931" N 19° 17' 37.234" N 19° 17' 36.363" N 19° 17' 36.305" N 19° 17' 37.65" N 19° 17' 39.554" N 19° 17' 40.067" N 19° 17' 40.009" N 19° 17' 44.16" N 19° 17' 48.872" N 19° 17' 53.02" N 19° 17' 57.421" N 19° 18' 2.098" N 19° 18' 4.679" N 19° 18' 8.69" N 19° 18' 7.263"	E 121° 26' 58.029" E 121° 26' 54.247" E 121° 26' 49.581" E 121° 26' 42.862" E 121° 26' 37.883" E 121° 26' 33.483" E 121° 26' 28.512" E 121° 26' 21.793" E 121° 26' 20.585" E 121° 26' 20.248" E 121° 26' 18.748" E 121° 26' 14.324" E 121° 26' 9.897" E 121° 26' 5.39" E 121° 26' 2.239" E 121° 25' 57.578"
13	Continues northwest along the 300m elevation contour line through the following points:	N 19° 18' 4.185" N 19° 18' 6.071" N 19° 18' 7.158" N 19° 18' 9.934" N 19° 18' 11.585" N 19° 18' 11.838" N 19° 18' 14.326" N 19° 18' 17.96" N 19° 18' 17.937" N 19° 18' 18.439" N 19° 18' 19.821"	E 121° 25' 54.393" E 121° 25' 47.948" E 121° 25' 45.308" E 121° 25' 45.574" E 121° 25' 44.097" E 121° 25' 41.173" E 121° 25' 40.273" E 121° 25' 43.452" E 121° 25' 40.823" E 121° 25' 34.683" E 121° 25' 34.085"
14	Follows a branch of the Kaniwalan Stream downstream then upstream through the following points:	N 19° 18' 21.775" N 19° 18' 20.903" N 19° 18' 20.033" N 19° 18' 18.051" N 19° 18' 19.962" N 19° 18' 23.26" N 19° 18' 27.703" N 19° 18' 31.868" N 19° 18' 37.988" N 19° 18' 42.156"	E 121° 25' 35.527" E 121° 25' 30.861" E 121° 25' 26.487" E 121° 25' 21.832" E 121° 25' 18.307" E 121° 25' 14.77" E 121° 25' 15.311" E 121° 25' 15.856" E 121° 25' 17.842" E 121° 25' 18.679"

15	Continues north-northwest along the 300m elevation contour line through the following points:	N 19° 18' 49.912" N 19° 18' 46.849" N 19° 18' 47.101" N 19° 18' 50.134" N 19° 18' 46.785" N 19° 18' 46.488" N 19° 18' 47.307" N 19° 18' 52.315" N 19° 18' 54.292" N 19° 18' 57.35" N 19° 18' 57.585" N 19° 19' 1.18" N 19° 19' 3.684" N 19° 19' 6.733" N 19° 19' 10.639" N 19° 19' 13.967" N 19° 19' 8.916" N 19° 19' 11.402" N 19° 19' 10.512" N 19° 19' 12.441" N 19° 19' 13.81" N 19° 19' 17.471" N 19° 19' 19.398" N 19° 19' 19.652" N 19° 19' 21.281" N 19° 19' 24.627" N 19° 19' 27.948" N 19° 19' 30.192" N 19° 19' 30.497" N 19° 19' 33.004" N 19° 19' 34.925" N 19° 19' 33.507" N 19° 19' 36.266" N 19° 19' 39.052" N 19° 19' 40.978" N 19° 19' 43.732" N 19° 19' 42.032" N 19° 19' 42.276" N 19° 19' 45.032" N 19° 19' 48.363" N 19° 19' 51.969" N 19° 19' 53.668" N 19° 19' 56.195" N 19° 19' 58.389" N 19° 19' 58.358" N 19° 20' 4.188" N 19° 20' 9.74" N 19° 20' 14.458" N 19° 20' 19.738"	E 121° 25' 17.435" E 121° 25' 16.004" E 121° 25' 13.08" E 121° 25' 11.006" E 121° 25' 8.7" E 121° 25' 6.366" E 121° 25' 4.897" E 121° 25' 6.602" E 121° 25' 10.673" E 121° 25' 11.521" E 121° 25' 6.551" E 121° 25' 5.348" E 121° 25' 6.2" E 121° 25' 5.879" E 121° 25' 8.471" E 121° 25' 8.439" E 121° 25' 1.767" E 121° 25' .575" E 121° 24' 53.863" E 121° 24' 52.383" E 121° 24' 50.325" E 121° 24' 56.718" E 121° 24' 54.946" E 121° 24' 52.314" E 121° 24' 48.207" E 121° 24' 50.22" E 121° 24' 49.312" E 121° 24' 52.212" E 121° 24' 55.423" E 121° 24' 56.568" E 121° 24' 54.212" E 121° 24' 50.719" E 121° 24' 48.939" E 121° 24' 50.373" E 121° 24' 48.602" E 121° 24' 46.237" E 121° 24' 42.163" E 121° 24' 38.362" E 121° 24' 36.29" E 121° 24' 36.55" E 121° 24' 36.515" E 121° 24' 40.59" E 121° 24' 44.072" E 121° 24' 41.128" E 121° 24' 37.622" E 121° 24' 38.15" E 121° 24' 38.681" E 121° 24' 38.927" E 121° 24' 40.045"
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SECTION 5 – **Buffer Zone.** The Longog Wildlife Sanctuary buffer zone is hereby established. It covers the area of not more than one hundred (100) meters wide from the boundaries of the Longog Wildlife Sanctuary.

SECTION 6– **Agricultural Zone.** The agricultural zone, for purposes of this Ordinance, covers the area inside Longog Valley that is not part of the protection zone or the buffer zone and is within the area bounded by the points:

No.	Description	Coordinates	
		N	E
1	Agriculture Zone	N19° 20' 30.7"	E121° 26' 16.9"
		N19° 19' 58.3"	E121° 26' 34.0"
		N19° 19' 53.9 "	E121° 26' 39.6"
		N19° 19' 50.7"	E121° 26' 46.9"
		N19° 19' 45.7"	E121° 26' 52.4"
		N19° 19' 42.1"	E121° 27' 00.1"
		N19° 19' 37.3"	E121° 27' 17.5"
		N19° 19' 33.7"	E121° 27' 25.5"
		N19° 19' 31.3"	E121° 27' 29.1"
		N19° 19' 25.0"	E121° 27' 38.2"
		N19° 19' 24.2"	E121° 27' 40.5"
		N19° 19' 22.3"	E121° 27' 37.8"
		N19° 19' 22.2"	E121° 27' 00.2"
		N19° 19' 55.3"	E121° 26' 02.3"
		N19° 19' 59.6"	E121° 25' 51.0"
		N19° 20' 02.8"	E121° 25' 48.5"
		N19° 20' 08.8"	E121° 25' 45.7"
		N19° 20' 14.4"	E121° 25' 42.0"
		N19° 20' 23.1"	E121° 25' 35.8"
		N19° 20' 35.1"	E121° 25' 23.2"
		N19° 20' 37.4"	E121° 25' 24.4"
		N19° 20' 36.5"	E121° 25' 30.3"
		N19° 20' 34.6"	E121° 25' 34.1"
		N19° 20' 34.4"	E121° 25' 41.0"
		N19° 20' 34.0"	E121° 25' 49.2"
		N19° 20' 34.3"	E121° 25' 56.3"
		N19° 20' 34.4"	E121° 26' 01.7"
		N19° 20' 33.9"	E121° 26' 08.1"
		N19° 20' 34.0"	E121° 26' 14.5"
		N19° 19' 38.1"	E121° 26' 36.1"
N19° 19' 53.7"	E121° 26' 19.1"		
N19° 20' 27.0"	E121° 25' 27.5"		
N19° 20' 19.1"	E121° 26' 28.8"		

The agricultural zone approximately covers a total of 215 has (2.15 sq. km) and has a perimeter of 10.1 kilometers.

SECTION 7 – **Rules and regulations.**

4. Hunting, killing, catching, wounding or disturbing of Calayan rails within the municipality is strictly prohibited pursuant to Municipal Ordinance 2005-84.
5. The following acts are strictly prohibited within the Longog Wildlife Sanctuary's protection zone and buffer zone:
 - a. Hunting or harvesting any form of wildlife, with the exception of collection for scientific purposes, pursuant to the Wildlife Resources Conservation and Protection Act;
 - b. Clearing forest for agriculture (slash-and-burn farming/kaingin);
 - c. Cutting down trees, whether for local use (building homes, boats, or furniture or for fuel use) or not;
 - d. Burning of aningat/almasiga (*Agathis philippinensis*);
 - e. Construction or maintaining residential structures such as huts or fences/enclosures;
 - f. Planting of crops in abandoned farms/kaingin.
6. The construction of irrigation and waterworks facilities may be allowed within the Longog Wildlife Sanctuary subject to the approval of the municipality's Environment and Natural Resource Office.
7. Tourism and research activities may be allowed within the Longog Wildlife Sanctuary provided that tourists and researchers strictly adhere to the rules and regulations of the wildlife sanctuary.
8. To help sustain the livelihood of residents in the Longog Wildlife Sanctuary, the following acts may be allowed in the wildlife sanctuary's agricultural zone as long as they are conducted in a sustainable manner as determined by the municipality's Environment and Natural Resource Office:
 - a. Planting of agricultural crops in lands classified as alienable and disposable by the DENR.
 - b. Cutting of trees for local use only (building homes, boats, or furniture or for fuel use), subject to the permitting requirement of the DENR..
9. The following acts are prohibited within the Longog Wildlife Sanctuary:
 - a. Dumping or otherwise disposing of any waste products detrimental to the wildlife sanctuary, to the plants and animals or inhabitants therein;
 - b. Mutilating, defacing or destroying objects of natural beauty, or burial grounds, religious sites, artifacts or other objects belonging to cultural communities;
 - c. Squatting, mineral exploration, or otherwise illegally occupying any land;
 - d. Leaving in exposed or unsanitary condition, refuse or debris, or depositing wastes in bodies of water;
 - e. Altering, removing, destroying or defacing boundary marks or signs

SECTION 8 – **Wildlife Sanctuary Management Plan.** A management plan will be crafted to serve as a guide in formulating action strategies for the wildlife sanctuary. The management plan shall include the promotion and adoption of appropriate ordinance and the implementation of innovative management techniques including, but not limited to, zoning, buffer zone management, habitat conservation and rehabilitation, information dissemination and advocacy campaigns, biodiversity research and management, community organizing, socio-economic and scientific

researches, site-specific policy development, pest management and fire control, protection of tenured communities, funding sources, reporting and monitoring strategies, and close coordination between and among local agencies as well as non-government/ people's organizations and the private sector.

SECTION 9 – **Bantay Sanktwaryo**. A core group shall be formed whose members shall be responsible for the protection of the sanctuary such as apprehension, documentation and reporting to authorities of violations of this ordinance. The DENR shall conduct the training of the core group to be assisted by Isla Biodiversity Conservation, where necessary.

SECTION 10 – **Penalty**. Any person violating any provisions of this ordinance shall be fined with the following:

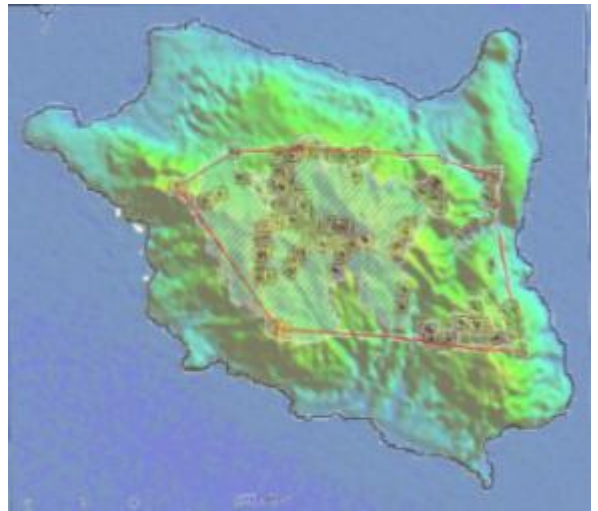
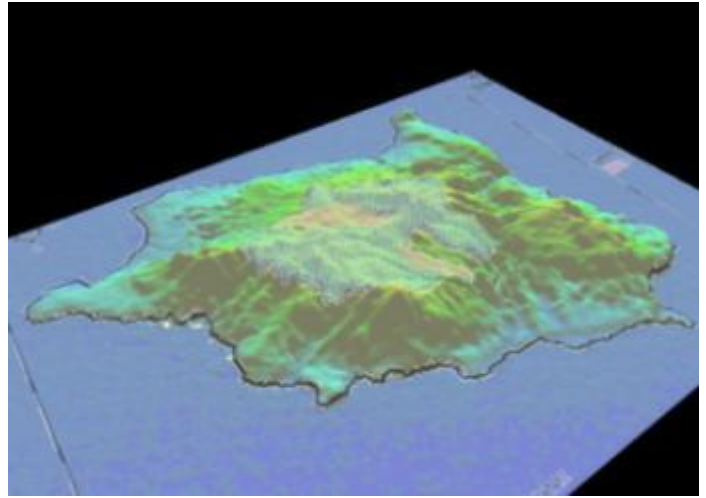
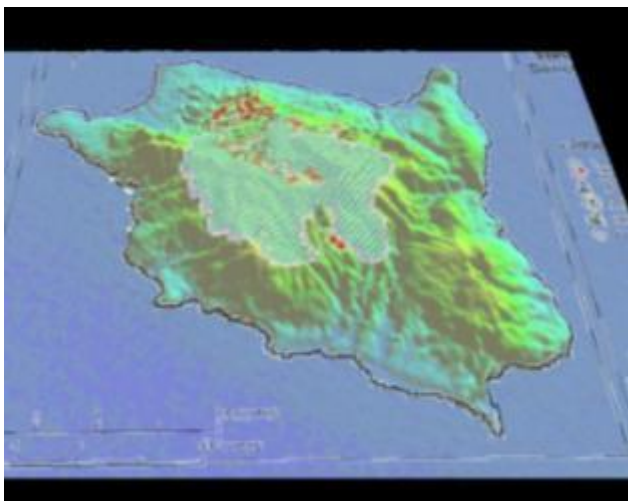
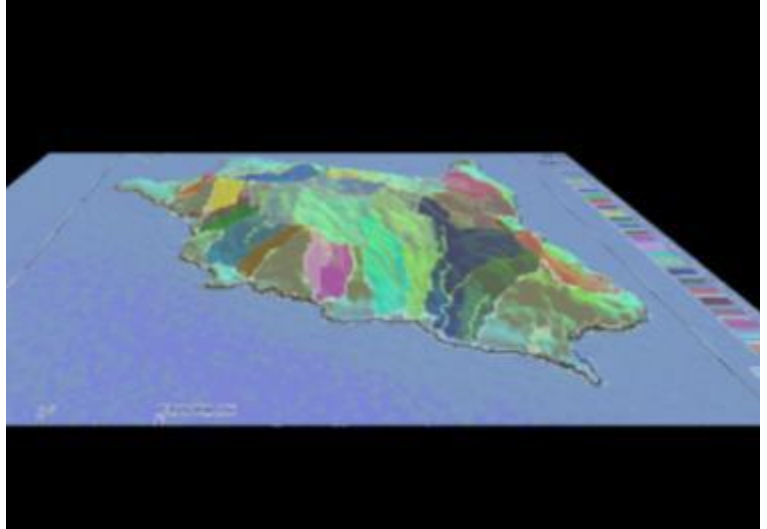
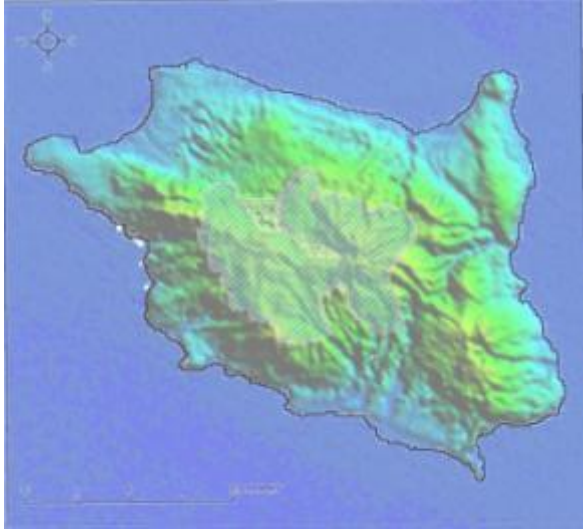
1. 1st offense: not less than P1,500 or imprisonment of not less than 10 days, or both, at the discretion of the court.
2. 2nd offense: not less than P2,000 or imprisonment of not less than 30 days or both at the discretion of the court
3. 3rd offense: not less than P2,500 or imprisonment of not less than 6 months, or both, at the discretion of the court.
4. The Local Government Unit of the Municipality, the Municipal Council and the Philippine National Police may elevate the case to the higher court on basis of violations against the national laws depending on the magnitude of the offense.

SECTION 11 – **Effectivity**. This Ordinance shall take effect fifteen (15) days after its complete posting in accordance with the Local Government Code.

3-D MAPS

3D screen capture images from Global Mapper presentation

Clockwise: Calayan Island and the proposed wildlife sanctuary, watersheds in Calayan Islands, A&D lands, distribution of the Calayan Rail, land use map and human settlements in Longog Valley.



PHOTOS Public Hearing

Clockwise: group photo, discussing sections of the draft ordinance, map of the sanctuary.

