

BFAR RO2 welcomes RD Bien

TUGUEGARAO CITY, Cagayan – The Bureau of Fisheries and Aquatic Resources Region 02 has held last July 24, the Turn-over Ceremony between outgoing Regional Director Dr. Milagros C. Morales and incoming OIC Regional Director Dr. Nelson B. Bien. The turn-over is pursuant to the reshuffling initiated by the Department of Agriculture.

Earlier, RD Morales has assumed the same position in the BFAR Cordillera Administrative Region. RD Bien, on the other hand, came from BFAR Region 03 as Chief of the Fisheries Management, Regulatory and Enforcement Division.

In his message, RD Bien welcomed the challenges posed by his new position and further stated that he will continue the plans, projects and activities started by RD Morales.

RD Bien also expressed his gratitude to former officemates, some of whom came over to join him in this turn-over ceremony.



Outgoing Regional Director Dr. Milagros C. Morales handed over the “key of responsibility” to incoming OIC Regional Director Dr. Nelson B. Bien during the turn-over ceremony attended by BFAR personnel and staff, July 24, MIS Hall.

RD Morales on the other hand thanked former colleagues and staff. She also expressed confidence that RD Bien “will be in good hands” not only in BFAR RO2, but also with the LGUs and fisherfolk.

graciously welcomed RD Bien and also expressed their gratitude to RD Morales. ☒ Maximino Prudencio.

The entire BFAR RO2 family

BFAR, PCG apprehend Viet poachers

TUGUEGARAO CITY, Cagayan – Fishery law enforcers of the bureau of fisheries and Philippine Coast Guard have apprehended a Vietnamese fishing vessel within vicinity of Dalupiri Island in the Calayan Group of Islands, north of this province.

The vessel, identified as PY96392TS was manned by seven Vietnamese and was apprehended 20.5 NM northwest of Dalupiri close to midnight last Friday (Aug. 17).

According to Atty. Arsenio Bañares, Chief of the Fisheries Management, Regulatory and Enforcement Division of the Bureau of Fisheries and Aquatic Resources – Region 02, the fishery law enforcers were on routine patrol

mission on-board DA-BFAR MMOV 5001 when they chanced upon the Vietnamese vessel.

Chrushev Paul De Peralta, one of the BFAR RO2 enforcers said that the vessel was stationary at that time and was conducting fishing operations as evidenced by its light attractants that were lighted.

However, upon approaching the vessel, de Peralta said that its crew tried to evade by turning off their light and cutting their fishing lines.

The Vietnamese, with their vessel were brought to Port Irene in Sta. Ana, Cagayan the following day for processing.

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BFAR RO2 pagi-igtingin ang tulong sa mga fisherfolk

Nangako si Regional Director Nelson Bien na magtuloy-tuloy at mas pagbubutihin pa ng Bureau of Fisheries and Aquatic Resources (BFAR) RO2 ang suporta sa mga mangingisda, nasabi niya ito nitong ika-15 ng Nobyembre sa 1st Nueva Vizcaya Provincial Fisherfolk Forum.

“Gagawin namin ang lahat upang kayo’y matulungan,” pangako ng direktor sa mga mangingisda bilang sagot sa kanilang mga katanungan ukol sa gagamiting puhunan sa pangisdaan, pagpapataas ng produksyon, pagpuksa sa mga peste sa palaisdaan at ang pagbangon sa katatapos lamang na bagyong Rosita.

Hinikayat niya ang pakikipagtulungan ng mga mangingisda sa hangarin ng ahensya at mga plano sa lalawigan partikular sa pagbuo ng organisasyon at pagpapalakas sa kabuhayan ng mga ito na siyang magbubunsod sa kasaganaan ng isda sa lalawigan.

Ang mga organisasyon umano ay pupuwedeng mamahala ng konsignasyon na puntahan o bagsakan ng mga prodyuser para maibenta ang kanilang isda sa tamang presyo.

Binanggit din ni RD Bien ang programa ng Agricultural Credit Policy Council (ACPC) na suporta sa mga magsasaka’t mangingisda na kung saan makakakuha ang mga ito ng ‘soft loan’.

“Samantalain natin ang programa ng ACPC bilang pagkukunan ng puhunan para sa pangisdaan. May instruction [ako] sa lahat ng BFAR

stations na pagbubutihin namin ang produksyon ng tilapia fingerlings para mas maraming maipamigay sa recipients.”

Pinangunahan rin ni RD Bien ang pagkakaloob ng walong motorized fishing boats, 100-unit gill nets, 140-unit kitang, 83 cast nets, at 80 life vests sa mga fisherfolk.

Bukod dito, nanumpa ang mga bagong halal na pinuno ng Panlalawigang Alyansa ng mga Lokal na Organisasyon at Samahan (PALOS) Nueva Vizcaya na sina Mario Nilo Jr., pangulo, Christian Carbonel, pangalawang pangulo, Russel Jed Siador, kalihim, Patricio Cabbat, ingat-yaman, Renato Villar, tagasuri, at iba pa sa harapan ng direktor.

Nagkaroon din ng pagtalakay sa iba’t ibang temang may kinalaman sa pangisdaan. Ipinaliwanag ni Jennifer Tattao, Senior Aquaculturist, ang mga paksang “Good Aquaculture Practice” at “Climate Change: It’s Impact to the Fisheries Sector”.

Dito, sinabi niyang mahalagang sundin ang tamang protokol mula sa Philippine National Standards kung papaano mag-prodyus ng may mataas na kalidad na pagkain nang hindi sinisira ang kalikasan.

Ibinahagi naman ni Sherwin Buguina, Fishing Regulations Officer ang “Salient Provisions of RA 10654”.

“Protektahan natin ang ating pangisdaan upang tuloy-tuloy natin itong mapagkukunan ng pagkain.” aniya. “Matataas ang penalties.

Ginawa ito hindi pahirapan ang mga mangingisda kundi para mag-isip-isip ang mga gagawa ng bayolasyon.”

Bago ang fisherfolk forum, nagkita at nagkausap sina RD Bien at Nueva Vizcaya Governor Carlos Padilla. Nasa pag-uusap rin sina Nueva Vizcaya PFO Mr. Quirino Pascua, PFO consultant Mr. Dominador Abalos, at Nueva Vizcaya provincial fisheries coordinator Mr. Fred Bisquera.

Pagbisita sa SWIP Project

Bumisita rin ang BFAR RO2 Regional Director sa nasa apat na ektaryang Small Water Impounding Project (SWIP) sa Dullao, Bambang, Nueva Vizcaya.

Water harvesting at storage structure ang SWIP na binubuo ng earth embankment spillway, outlet works at canal facilities. Ginagamit ito upang ma- conserve ang lupa at tubig, at nagiging flood control din dahil sa pag-imbak nito ng maraming tubig lalo na tuwing tag-ulan.

Sabi ni Bisquera, dahil sa SWIP nakaka-dalawang ani na ang mga magsasaka sa lugar kumpara sa dating isang beses lamang.

Karagdagan, mayroon ring fish cage culture na itinayo rito na may kabuuang sukat na 5mx5mx2.5m.

Umabot sa 900-kilos ang naaning tilapia sa unang culture period nito -- na nagsimula nitong Mayo at natapos ng Setyembre. ❏ Jackie Mark de la Cruz



BFAR RO2 at LGU Penablanca namigay ng tulong sa mga IPs.

- Sa pangunguna nina BFAR PFO Venchito Villarao ng Cagayan at AT Caroline Romero ng Penablanca, namahagi ang mga ahensiya ng mga gamit pangisda sa mga kapatid nating IPs sa Agugaddan, Penablanca, Cagayan, ika 14 ng Disyembre. Bukod dito, namigay rin ng mga damit at pagkain ang dating Fisherfolk Director Alex Ibay sa pamamagitan nina Maricor Banares-FLDT ng Penablanca at PFO staff Kristene Joy Salvador.

BFAR RO2 pinamunuan ang pagbuo ng pambansang “Eel Management Plan”



Bumuo ng pambansang plano sa pamamahala ng igat o “National Fish ‘Eel’ Management Plan” ang Bureau of Fisheries and Aquatic Resources (BFAR) katuwang ang Zoological Society of London (ZSL), ika-16 hanggang ika-17 ng Oktubre sa Hotel Carmelita, Diversion Road, Tuguegarao City.

Ang BFAR RO2 ang namuno rito dahil sa dati na itong mayroong management plan na ipinapatupad, at ito rin ang nangunguna sa may pinakamaraming igat o palos sa bansa simula pa noong 1960s.

Sa workshop, pinagkumpara ng mga kalahok mula sa iba't-ibang

regional offices ng BFAR ang kanilang mga nagawa, kasama ang dati nang binuo ng ZSL, at pinagsama-sama ang mga ideya para sa national management plan.

Ayon kay Dr. Evelyn Ame, ang hepe ng Regional Fisheries Research and Development Center (RFRDC), mayroon ring igat sa Albay, Camarines Norte, Iloilo, Negros Occidental, Zamboanga del Sur at iba pang lugar sa Pilipinas kaya't nais nilang gawing buong bansa ang makisali sa pagpapalano.

Tinalakay niya ang mga oportunidad na naibibigay ng igat sa merkado, ang kasalukuyang

produksyon nito sa Pilipinas, at ang mga isyu at sagabal sa pagpaparami nito.

Sabi ni Atty. Arsenio Banares, ang hepe ng Regional Fisheries Management Regulations and Enforcement Division (RFMRED), isa ang eel sa mga 'exotic' na pagkain na gustong-gusto ng mga Tsino at mga Briton, at kilala rin bilang 'superfood' para sa mga lalaki.

Aniya, mahal ang bentahan nito na umaabot ng Php 60-libo bawat kilo ng semilya (elvers) noong taong 2012 at 2013. Ibinahagi rin niya ang mga batas at ordinansa ukol sa panghuhuli ng igat.

Inilahad ni Dr. Jefferson Soriano, pinuno ng Regional Fish Health Laboratory (RFHL), ang tamang pagrerehistro ng eel farm samantalang pagkuha ng permit at quarantine procedures naman ang ipinaliwanag ni Dr. Emma Ballad ng Regional Fisheries Resource Management (RFRM).


Pinalawig nina Dr. Matthew Gollock, marine and freshwater program manager ng ZSL, at Dr. Adam Piper, research associate ng ZSL, ang mga kaalaman ng mga dumalo sa pamamagitan ng pamamahagi ng mga makabagong kaalaman ukol sa igat.

BFAR, PCG apprehend Viet poachers...*from p1*

Found on the vessel were squid bait and 30 pieces blue marlin and yellow fin tuna.

Bañares said that they have submitted a complaint against the foreign fishers at the Provincial Prosecutors Office in Aparri for violation of Sec. 91 (poaching) of RA 10654.

The accused can be meted with a fine of USD 1.2 million plus 6 months to 2 years and 2 months if found guilty.

The enforcement of fishery laws is one of the priorities of newly installed OIC Regional Director of BFAR RO2, Dr. Nelson B. Bien.  Maximino Prudencio.





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EDITORIAL

Commercial Fisheries and Aquaculture Development

Data from the Philippine Statistics Authority shows that fisheries production in Region 02 has been on the decline for the past 3 years. From 53,470.17 metric tons in 2016, fisheries production stands at 51,021.57 MT in 2017. Fish sufficiency level in 2017, on the other hand, is 41%, which means a huge deficit of 73,421.26 metric tons in local production. Deficit in fish supply is more pronounced in the provinces of Isabela, Nueva Vizcaya, which have less than 15% sufficiency level.

There are two viable options to shore-up production.

Expanding investments in marine municipal fisheries is not advisable, since the coastal areas along the Babuyan Channel, which is our main fishing area, has been declared as having heavy exploitation rate since 2008.

One option therefore would be to tap deep sea fishing areas in Region 02. At present, there are already investments in this area like the establishment of Community Fish Landing Center in most coastal municipalities, the provision of post-harvest facilities and the conduct of regular law enforcement patrols.

Existing commercial fishing vessels in Region 02 find it hard to go beyond their traditional fishing areas. They like to jostle with small fishers for whatever meager fish there is near the shores. This is due to their small size, the nature of deep sea fishing ground in Region 02 and the lack of modern fishing equipment or appropriate fishing gears.

The present leadership of BFAR RO2 is campaigning for investments along this line, taking into account experiences in Region 03. The development of commercial fisheries is also the advise given at the national level.

RD Nelson Bien is advocating for fisherfolk associations or cooperatives to tap lending institutions for them to purchase commercial boats. The agency,

he said is ready to render technical assistance.

The other option would be to develop the aquaculture sub-sector.

Region 02 fisheries profile indicates that we have a total of 3,108.27 hectares fishpond areas. However, these fishponds are not maximized. Why? The inadequate access to proper technology can be one. The other can be lack of capital.

Analysis of the regional fisheries profile further indicate that we have an imbalance, as per location, on the number of hatcheries which supply fingerlings for aquaculture operations. Most hatcheries are located in the province of Isabela, while only a handful in the provinces of Cagayan, Nueva Vizcaya and Quirino, combined. Our fisherfolk – entrepreneurs or fisherfolk associations can perhaps venture into hatchery operations given the deficit in fingerling supply or source, as mentioned.

To further develop the aquaculture sub-sector, we have outlined a number of measures, as follows:

- ✓ Fish farmers to utilize available modern technologies;
- ✓ Take advantage of available supply of crablets (rissing) and bangus fry and other marine species, instead of transporting these to other areas;
- ✓ Upland areas to utilize free flowing water using upland aquaculture technology, while coastal areas can take advantage of numerous brackishwater river systems within their area;
- ✓ Fish farmers to group themselves for bulk buying of materials and scheduled marketing. Operation of village level feed mills (ala hog growers) to bring down production cost, can also be explored;
- ✓ Adopt climate-change adaptation strategies;
- ✓ Values reorientation particularly in financial management

Region 02 is pinning on the development of these two areas to finally bring Region 02 fisheries production on par with its potential.

Libreng patubig sa mga fish pond tinalakay sa consultative meeting

Nagsagawa ang BFAR Cagayan Valley ng consultative meeting katuwang ang opisyal ng mga provincial fishery office (PFO), mga pangulo at mga miyembro ng mga asosasyon ng mga mangingisda mula sa Cagayan, Isabela, Batanes, Quirino at Nueva Vizcaya, ika-19 ng Oktubre, ukol sa suhestiyong isali ang fish growers o fish pond operators sa sakop ng RA 10969 o ang Free Irrigation Service Act.

Ayon sa mga mangingisdang dumalo sa pagpupulong sa MIS Hall ng BFAR RO2, malaki ang maitutulong sa kanila ng libreng irigasyon dahil matatanggal umano nito ang malaki nilang nagagasto sa patubig ng kanilang mga fish pond -- na siya namang maidaragdag sa kanilang kikitain.

Makatutulong rin ito, anila, upang maibsan ang mga hindi inaasahang pagkalugi tuwing panahon ng tag-ulan.

Sabi ni Joven Banez, pangulo ng Santiago City Tilapia Farmers Association, makakatulong ang libreng irigasyon upang maipanumbalik ang sigla ng kanilang kabuhayan at muling mahikayat na mag-alaga ng isda ang mga kasamahan nilang lumipat na sa ibang trabaho dahil sa mas mataas na kita.

Sa ilalim ng RA 10969, libre ang irigasyon ng mga magsasakang may sinasakang hindi lalagpas sa walong ektarya, mula sa mga serbisyo ng National Irrigation System (NIS) at Communal Irrigation System (CIS) na



binuo, pinopondohan, minementana at pinamahahalaan ng National Irrigation Administration (NIA) katuwang ang ibang mga ahensya ng pamahalaan, kabilang ang mga naipamahagi na sa mga irrigators association.

Tanging ang mga magsasaka ng lupa lamang ang tinutukoy ng nasabing batas at hindi kasali ang mga fish pond operator, kaya't pinag-usapan ang kagustuhan nilang maamyendahan ito.

Pinangunahan ni Dr. Severina Bueno, hepe ng Fisheries Production & Support Services Division (FPSSD), ang pagpupulong kasama sina Atty. Arsenio Banares, hepe ng Fisheries Management, Regulation and Enforcement Division; at Virginia Gamiao, supervising irrigators development officer ng NIA-MARIIS sa Cauayan City.

Napag-usapan din ang

kompyutasyon ng mga kailangang tubig ng mga fish pond sa normal na kondisyon, ang paghahambing sa kita ng pagsasaka kumpara sa pag-aalaga ng isda at iba pa.

Ayon kay Jennifer Tattao, senior aquaculturist ng FPD, gagawan nila ng rekomendasyon ang mga napag-usapan sa pulong at ilalakup dito ang mga pangalan ng mga dumalo na may kasamang pirma para makumbinsi ang Kongreso na amyendahan ang batas.

Mabibigyan din ng kopya ang mga Department of Agriculture - Regional Field Unit 02 (DA-RFU 02), NIA, at ang Office of the Provincial Agriculturist (OPA).

Nagsimula ang suhestiyon sa pagsali sa mga magsasaka ng tubig sa sakop ng RA 10969 sa siyudad ng Santiago, Isabela nitong Hunyo.



Marine Mammal Stranding – Isang Pygmy Sperm Whale ang naisalba noong ika 1 ng Hulyo sa Brgy. Sta. Cruz, Sta. Ana, Cagayan.

Ang balyena, na tinatayang nasa 2.5 metro ang haba tumitimbang ng 250 kilos ay napadpad sa bandang gilid ng dagat sa lugar. Agad itong ini-ulat ng mga taga roon at agad rumesponde ang mga miyembro ng Marine Mammal Stranding Network kabilang si Doc Elma Bermudez, MAO Richard Alibania, at ang mga tao ng BFAR RO2 na naka-nakatalaga sa MP Facility.

Nakitaan ang balyena ng mga sugat mula kagat ng cookie cutter shark. Ito ay pinagpahinga ng saglit at nang kaya na niyang mabalanse ang sarili, dinala ito sa dagat at tuluyan nang lumangoy pailalim.

Ang mga marine mammal ay protektado sa ilalim ng batas, Sec. 102 ng RA 10654.

BFAR 2 trains River Wardens

TUGUEGARAO CITY, CAGAYAN

– The fisheries bureau in Region 02 has trained last July 11 and 12, 2018, forty one fisherfolk to help the agency implement the Ludong closed season (BAC 247) and other sub-activities under the newly-revitalized Oplan Sagip Ludong project.

BFAR Administrative Circular 247, is a fishery regulation declaring a closed-season on the catching of Ludong from October 1 to November 15 of each year.

The fisherfolk, designated as River Wardens, were given a lecture on Inland Resource Management, Fishery Law Enforcement Policies and Protocols, Scientific Fish Examination, and the salient provisions of RA 10654.

Bureau of Fisheries and Aquatic Resources – Region 02, Fisheries Resource Management Section Chief, Dr. Emma Ballad said that the River Warden members will be tasked primarily to disseminate information on BAC 247, report violations and to assist fishery law enforcers of the agency in riverine patrols during the implementation of the Circular.

Aside from BAC 247, the River Wardens members will assist the agency in the conduct of exploratory



survey, habitat characterization and Participatory Rural Appraisal.

The River Wardens were also tasked to guard the ludong sanctuaries that will be established in strategic areas throughout the region. The wardens were further tasked to report their catch data which shall be used by the agency in crafting appropriate policies and projects within the Cagayan River.

Upon approval of their appointments, the river warden members will receive remuneration amounting to Php 3,000.00 per month, starting this month to December 2018.

BAC 247 states that “it shall be unlawful for any person, association or corporation to catch or cause to be caught, using any type of gear

or fishing method, purchase, sell or expose for sale, transport, export or have in possession, fish known as Ludong, its by-products or derivatives, during the closed season as defined’.

The regulation provides for a penalty of imprisonment of 6 months to 1 year and/or fine of six thousand pesos and forfeiture of catch and fishing gadgets. However, a stiffer penalty of 6 months and 1 day to 8 years imprisonment and/or fine of eighty thousand pesos, shall be imposed, if offense involves catching of spawning Ludong during the closed season. Export of spawning Ludong also carries a penalty of eight years imprisonment, confiscation of the same and fine equivalent to double the value of the same. ☒ Maximino Prudencio.

BFAR 2 implements gear-swap for baby trawl operators

TUGUEGARAO CITY, Cagayan – With the aim to put a halt to the use of active gears in municipal waters and at the same time ensure that fishers continue their main source of livelihood, the fisheries bureau here currently implements a mechanism on voluntary surrender of baby trawl in exchange of legally-allowed fishing gears.

BFAR Provincial Fisheries Officer Venchito Villarao said that as of this time, the Bureau has collected 111 combined sets of baby trawl and trawl, locally known as ‘galadgad’. The fishing gear is prohibited under Section 95 of RA 10654.

Collected fishing gears were from fishers mainly coming from the towns of Gonzaga and Aparri, although

Villarao said that fishers from Buguey also utilize said fishing gear.

The surrendered fishing gears were swapped with gill nets.

Villarao said that the agency still has available stocks ready to be given to fishers willing to surrender their illegal fishing gears.

The gear-swap strategy was implemented with prior consultation with the fishers and goes hand-in-hand with regular preventive patrols.

Recently, fishery law enforcers of the agency have apprehended six baby trawl operators, aboard three fishing boats in Gonzaga.

The fishing boats were marked

as ‘Raquel Joy’, ‘Zyven’, and ‘Scarlet Aubrey’.

Sec. 95 of RA 10654 states that it shall be “unlawful to engage in fishing in municipal waters and in all bays as well as other fishery management areas using active fishing gears.”

Active fishing gear is “a fishing device characterized by the pursuit of the target species by towing, pushing the gears, surrounding, covering, dredging, and scaring the target species to impoundments”.

As of this time, the apprehended fishers are awaiting decision of BFAR relative to their offer to pay compromise fine. ☒ Maximino Prudencio.

Nueva Vizcaya holds much promise for fish culture



Traversing the Maharlika Highway in Bagabag town in Nueva Vizcaya, one can always notice the free-flowing water at the roadside which is used by motorists to clean and re-water their vehicles.

This abundance of water is present through-out the mountainous province. Aside from the benefits it gives to motorists, the abundant water is also the key towards the development of fish farming industry in the province.

This past month, the Bureau of Fisheries and Aquatic Resources – Region 02 thru its provincial office in Bayombong town, has documented seven successful fish culture techno-demo projects. These were located as far as Sta. Fe down northward to Bagabag.

The duckweeds demos in Sta. Fe and Kayapa confirmed the viability of using the said supplemental feed as shown by high FCR of 1.09 and even 0.81. As a result of low commercial feed consumption, ROI in these demos were 56% and 71%, respectively.

On the other hand, the Upland Aquaculture in Dupax del Sur overshot its target by 20%. Harvest was 916 kilograms from a 1,000 sq. m. pond. This is excellent since tilapia generally have lower appetite and slower growth in cold areas. To counteract this characteristics, the fisheries bureau recommends the use of cold-tolerant tilapia strain.

The other demos (Integrated Farming and Pond based), specifically in Dupax del Sur, Bagabag, Quezon

and Bayombong all have excellent result, with ROI ranging from 30% to 55%. Contributory to the high ROI is the relatively higher farm gate price. This is due to low supply of fresh / live fish in the province.

The abundance of water, which allowed the farmer – cooperators to stock their fingerlings in the summer months of March and April, is certainly a plus factor. Likewise, contributory to their success is proper pond preparation. Proper pond preparation ensures that unwanted species are eliminated, dikes are repaired and leakages are plugged allowing for a more efficient water use.

Fertilization also plays a major role. Natural food grows abundantly with proper fertilization, thus, the fish will have more food to eat and will not depend solely on costly commercial feeds.

BFAR Nueva Vizcaya Provincial Fisheries Action Officer Quirino Pascua said that unlike in lowland areas where fishponds have tendency to be flooded, the steep slope in mountainous areas means water can be drained easily. Water from the fishponds can also be used to irrigate farms downslope.

Pascua added that Nueva Vizcaya is unique, as it has uninterrupted water supply coming from mountain streams. "Market for fish in Nueva Vizcaya is not a problem since we only have 13% sufficiency level in 2017," Pascua said.

✉ Maximino Prudencio.

Balik Sigla sa Ilog at Lawa (BASIL) - Sa pamumuno ng Fisheries Resource Management Section, nagpakawala noong ika 23 hanggang ika 24 ng Agosto, ang ahensya ng tig-30,000 semilya ng tilapia at 10,000 karpa sa bayan ng Angadanan, San Agustin, Alicia at Cauayan City, Isabela.

Ang fingerling dispersal ay kabilang sa stock enhancement ng programang Balik Sigla sa Ilog at Lawa (BASIL). Layon ng programa na ibalik ang productivity ng mga tubig tabang tulad ng ilog, sapa, lawa, SWIPs at SFRs.

Nananawagan ang ahensya sa mga mangingisda na hayaang lumaki ang mga nasabing semilya bago huliin. Makakatulong dito ang pag-iwas at pagdakip sa mga gumagamit ng mapanirang pamamaraan tulad ng kuryente, pinong-lambat at paputok.



Fish caging booms in Magat Dam once again

TUGUEGARAO CITY, Cagayan – There was a time when the Magat Dam and Reservoir in Ramon, Isabela used to be Region 2's single biggest area for aquaculture operations.

At its peak in early to mid-2000's, fish cage operators were able to harvest an average of 35MT tilapia daily. Fish farming was so lucrative then that fish cage operators numbered about 12,638 at its peak.

A mixture of greed and successive natural calamities led to heavy losses. Gradually, locators closed shop and were down to as few as 200 pax in 2013.

In an effort to revive the once vibrant fish cage industry in the area, the BFAR RO2, together with the National Irrigation Administration and Aboitiz Power, established the Magat Aquapark Project back in Oct. 2012.

Under the project, fish cage modules were given to fisherfolk associations to serve as show window on proper technologies and as livelihood project for the fisherfolk. Twenty-one fish cage modules plus fingerlings and feeds were distributed



to 11 associations.

Each module consists of four cages measuring 6 x 12 x 5 meters. Stocking rate is 12 pieces per square meter. Feed allocation is computed at 10 bags per thousand pieces fingerlings.

The Aquapark project helped bring to the forefront the advantages of cage operations and thus encouraged investors.


From its lowest in 2013, operators now number more than 400, says Albert Corpuz, NIA Aquaculturist.

Johny Buyawen, a fish farmer and Chair of the Magat IFARMC, started with 6 units in 2015. This has grown

to 16 units at present. Income from 4 units is Php 80,000.00 per harvest.

Materials for fish cage construction are being brought-in almost daily into the area, says Zaide Remocal, BFAR RO2 technician.

Magat Dam and Reservoir has total water area of 4,500 hectares. The law stipulates that 10% of this can be used for fish farming purposes.

"We shall continue to disseminate aquaculture technologies and create proper conditions for the industry to prosper. This is one of the priorities at the national level," BFAR RO2 Regional Director, Dr. Nelson B. Bien, said.  Maximino Prudencio.

Pagbubukas ng CFLC sa ilang bayan, sinimulan

Dinagsa kumakailan ng mga mamimili ang Community Fish Landing Center (CFLC) ng Sanchez Mira, Cagayan dahil sa murang presyo ng tilapia rito.

Sa isinagawang 'dry-run' sa CFLC ng bayan, ika-13 ng Disyembre, napababa ng BFAR, lokal na pamahalaan, at mga fisherfolk ang presyo ng tilapia dahil sa napaisi ang ruta ng huling isda mula sa prodyuser hanggang sa konsyumer.

Batay sa napag-usapan ng Municipal Agriculturist ng bayan, fisherfolk association president, Provincial Fisherfolk Officer Venchito Villarao at iba pang may kinalaman sa sektor ng pangisdaan; sa dating kalakaran ay dumaraan muna ang mga huling isda sa ilang kamay o market layers bago makarating sa pamilihan -- na siyang nakapagpapataas ng presyo nito.

Nasabi pa na ang mga market layers tulad ng tumbador at kitong-kitong ang siyang nagtatakda ng presyo.

Anila dito na papasok ang CFLC upang mapaiksi ang daloy ng merkado ng isda na siyang magdudulot ng mababang presyo.

Tinalakay rin ang pagkakaroon ng pederasyon ng mga mangingisda, maging ang kompyutasyon sa maaaring kitain mula sa CFLC.


Napag-usapan din sa pulong ang paghahanda ng mga kakailanganing papeles para sa tuloy-tuloy na operasyon nito.

Ani Sanchez Mira Mayor Asela Sacramed, suportado niya ang programa ng BFAR dahil sa ang pagbaba ng presyo ng isda ay isa sa

mga nais niya para sa kanyang mga mamamayan.

Sabi ni PFO Villarao, magandang simula ang naganap na 'dry run' kaalinsabay sa layunin ng ahensya na itaas ang produksyon ng isda sa mga marine water area.

Ang CFLC, ay programa sa ilalim ng Targeted Action to Reduce Poverty and Generate Economic Transformation (TARGET), ito ay may layuning pahasayin ang socioeconomic welfare ng fisheries sector at protektahan ang sustainability ng aquatic resources.

Maliban sa Sanchez Mira, nagkaroon din ng 'dry run' ng CFLC sa mga bayan ng Camalaniugan at Claveria, Cagayan. Nakatakdang susunod na magkakaroon ng 'dry-run' ang mga CFLC ng Aparri, Cagayan at Ramon, Isabela.  Jackie Mark de la Cruz

Laboratory experiment sa pagpaparami ng *Ulva spp.*, tagumpay

Naging matagumpay ang eksperimento sa pagpaparami ng *Ulva spp.* na ginawa ng BFAR Cagayan Valley sa pangunguna ni Verde Island Passage Center for Oceanographic Research and Aquatic Life Sciences (VIP CORALS) Center Head at Batangas State University Assistant Professor Dr. Jayvee Saco, ika-2 hanggang ika-7 ng Oktubre.

Si Saco ang pangunahing tagapagsalita sa isinagawang "Training on Culture Technology of Green Seaweeds" kung saan tinalakay niya, Martes, ang mga paksang What is Seaweed?, Ecophysiology of Seaweeds, Alternative Seaweed Species for Farming: *Monostroma* and *Ulva spp.*, at Preparation of Materials for Collection and Sample Processing for Inducing Maturity and Zoids Phototaxis in *Ulva* and *Monostroma spp.*

Pagkatapos ng lektiyur, Martes ng gabi, inihanda ni Saco, kasama ang mga taga-BFAR, ang mga gagamitin sa eksperimento at sama-sama itong pumunta sa baybayin ng Claveria at Pagudpud upang manguha ng *Ulva*



spp. samples na siyang gagamitin sa pananaliksik.

Dinala nila ang mga samples, Miyerkules ng hapon, sa laboratoryo ng BFAR R02 at pinroseso. Natapos ang eksperimento, Linggo, na may kanais-nais na resulta.

Maliit na genus ng marine at brackish water green algae ang *Ulva spp.*, na kilala rin sa tawag na sea lettuce. Nakakain ito, at karaniwang nakakalat sa mga baybayin ng mga karagatan sa mundo.

Sa Pilipinas, hindi ito karaniwang kinakain at hindi pa isinasagawa ang pagpaparami nito. Mayroon itong potensyal pang-eksport sa mga karatig-bansa gaya ng Tsina at Korea.

Sa kasalukuyan, pinag-aaralan ng BFAR R02 ang pagtatayo *Ulva spp.* farms sa mga bayan ng Sta. Ana at Claveria. Kung mangyayari ito, ang ahensya ang kauna-unahang tagumpay na makapagpaparami ng *Ulva spp.* sa bansa. ❏ Jackie Mark de la Cruz

BFAR, Simbahan nagsagawa ng pagsasanay



Labis-labis ang pasalamat ng mga miyembro ng asosasyong Search Dev Mabasa and Lamo sa pagsasanay na ipinagkaloob sa kanila ng BFAR R02.

Sa isinagawang Training on Minced Fish Processing - Tilapia recipes sa Riverside West Plaza, Mabasa, Dupax del Norte, Nueva Vizcaya nitong ika-15 ng Nobyembre, itinuro sa mga miyembro ng asosasyon ang tamang paraan ng pagluluto sa mga patok sa masang fish longganisa, fish burger,

fish nuggets, fish ball, breaded fish stick, fish tocino, fish lumpia, at fish roll.

Pinangunahan nina Delia Guzman, OIC ng HRMU at records unit, Zenaida Ignacio, senior aquaculturist, Jenaiza Pattung, FLDT ng PFO Nueva Vizcaya, at Jim Bryan Taruc, technical staff, ang pagsasanay.

"Mayat ta makatulong kanyami ta awan met iti [regular nga] trabaho mi. Adda met ibangbangko ti asosasyon

mi nga nasurok Php 3,500. (Maganda dahil makakatulong ito sa aming walang regular na trabaho. Mayroon na ring ipon na higit tatlong libo't limang daang piso ang aming asosasyon.)" pahayag ng isa sa mga kalahok na si Violeta Fabionar.

Ani Marcy Mabor, program manager ng social commission action ng Diocese of Bayombong na siyang tumutulong sa asosasyon, humingi sila sa BFAR ng pagsasanay dahil alam nilang malaki ang maitutulong ng ahensya sa kanilang mga proyekto para sa mga mamamayan.

Dagdag ni Mabor, bahagi ng Livelihood Search Development Project ng Catholic Bishops Conference of the Philippines (CBCP) na nagsimula noong Hunyo ng taong 2017 ang kanilang ginagawang pagtulong na may layuning maihanda ang mga mamamayan sa sakuna at matulungang magkaroon ng kabuhayan.

Organic tilapia farming found feasible



TUGUEGARAO CITY, Cagayan – Wary of possible chemical residues in the food you eat? In search for healthier food option?

Well, worry no more, as the Bureau of Fisheries and Aquatic Resources in Region 02 has recently shown viability of growing fish without the need for expensive commercial feeds and other inputs.

The demo was made at the farm of Imelda Bangloy in Gamu, Isabela. Total harvest was 348 kilos after six months culture period. Harvest size was at an average of 200 grams.

Following the protocol on organic

tilapia farming, thorough but chemical-free pond preparation was made, followed by fertilization. Fertilizer used was vermicast applied at rate of 1,000 to 2,000 kg per hectare per month.

After which, the pond measuring 1,500 square meters was stocked with size 4,500 tilapia at stocking density of three fingerlings per square meter. This is lower compared to the five pieces fingerling per square meter recommended for semi-intensive culture of tilapia. The lower stocking density aims to maximize utilization of natural food, which is made available with application of organic fertilizer.

Fertilizer was re-applied every

month using same rate.

Feeding rate was computed at 10% during the first month and gradually reduced to 2% towards the end of the six-month culture period. Instead of commercial fish feeds, the demo utilized a specially formulated organic feed made of 40% fish meal, 30% copra meal, 20% D1 darak, and 10% first class flour. Other feeds utilized were duckweeds and water spinach (kangkong).

“Organic farming promotes farm made feeds using available local raw materials,” Rhodamel Soriano, Project Leader on Organic Tilapia, said.

Although yield is lower compared to the usual semi-intensive culture (with commercial feeds), capitalization for organic tilapia is also much lower. Hence, sales from this project is Php 38,300.00 with net income of Php 13,047.00. Income can be much higher, as the produce can be priced higher since it is organic, Soriano said.

This project is pursuant to RA 10068 (An Act Providing for the Development and Promotion of Organic Agriculture in the Philippines). Maximino Prudencio.

Groundbreaking Ceremony para sa Community Fish Landing Center ng Sta. Teresita naganap

Mas magiging masigla ang sektor ng pangisdaan ng Sta. Teresita, Cagayan oras na matapos ang ipapatayong Community Fish Landing Center o CFLC sa bayan, ayon kay BFAR RO2 OIC Regional Director Nelson Bien sa naganap na groundbreaking ceremony, ika-8 ng Nobyembre.

“Masuwerte kayo dahil ang mga lugar na binibigyan ng CFLC ay nagiging masigla. Bakit? Lahat ng mga bangkang may huli, ibababa rito ang isda.”

Paliwanag ng direktor, ang establisyementong ipapatayo ay magiging marketing site ng mga mangingingisda, at makakatulong upang maiwasan ang pamamarat sa kanilang mga paninda.

“Pag dito ibinaba ng mangingingisda ang lahat ng kanyang huli, nandito ang lahat ng mamimili, magkakaroon ng kompetisyon -- pataasan ng presyo -- at ano’ng mangyayari sa mangingingisda, mabebenta niya ng mas mahal, mas mataas kaysa kung saan-saan ibebenta.”

Mayroong tatlong malalaking freezer ang 3-milyon halagang proyekto, na paglalagyan ng mga benepisyaryo ng kanilang mga paninda oras na binabarat na ito o hindi naitinda -- para maibenta pa kinabukasan, at mga stalls.

Ipinahayag ni Sta. Teresita Mayor Lolita Garcia ang kanyang kagalakan at napili ang bayan na makatanggap ng CFLC; hinikayat niya ang kanyang

nasasakupan na panatilihin malinis ang mga pasilidad nito.

Binanggit rin niya ang maraming naitulong ng BFAR sa bayan gaya ng crab fattening project, fish cage, at mangrove plantation.

Sinabi naman ni CFLC focal person Dr. Ronaldo Libunao, maliban sa magagamit ang proyekto bilang pamilihan ng isda, magiging pasilyo rin ito para sa mga gagawing pagsasanay na isasagawa ng BFAR gaya ng paggawa ng tinapa at pagpoproseso ng halamang dagat.

Pinayuhan niya ang mga mangingingisda na ingatan at mahalina ang proyekto para magamit sa matagal na panahon.

36 fiberglass boats at iba pang gamit pangisda ipinamahagi sa mga mangingisda

Namahagi ang BFAR RO2 sa pangunguna ni OIC Regional Director Nelson Bien ng 12 fiberglass fishing boats, mga bottom set gill net at troll line sa mga mangingisda sa San Isidro, Buguey, Cagayan nitong ika-16 ng Nobyembre.

Nasa 36 indibidwal ang nakatanggap ng mga fiberglass boat -- o isang bangka sa tatlong tao -- at iba pang mga kagamitan bilang tulong pangkabuhayan ng ahensya sa mga mangingisda.

Isa sa mga napagkalooban ng bangka si Rolly Angeles, aniya, ipinagpapasalamat niya ang tulong na ipinagkaloob ng BFAR dahil mayroon na siyang mapagkakakitaan para sa pamilya.

Nanawagan naman si RD Bien sa mga mangingisda't lokal na pamahalaan na magtulong-tulong upang makakuha ng isang malaking bangka.

Inihayag din niya ang kanyang pangarap na magkaroon ng



organisasyon ng mangingisda na mamamahala ng purse seine dito sa Rehiyon Dos.

"Inaasahan ko na sa darating na mga araw ay hindi lamang ito [ang mga kagamitan] kundi palalakihin natin 'yan sa tulong ni Mayor, ni MAO, at ng provincial government."

Nagpasalamat naman si Buguey Mayor Lloyd Antiporda sa BFAR dahil sa hindi nagsasawa ang ahensya na tumulong sa mga mangingisda.

Nasa awarding ceremony rin sina Buguey MAO Danilo Rumpon, Buguey MFARMC Arnel Dela Cruz, at Peace Corps volunteer Carolyn Kilgore.

☒ Jackie Mark de la Cruz

Mga kabataan natutong mag-fishpond



Na-harvest noong Sabado ika-10 ng Nobyembre ang polyculture techno-demo project ng BFAR sa Brgy. La Swerte, Amulung, Cagayan.

Cooperator – beneficiary nito ang Generous People Scholarship Foundation na pinamamahalaan ni Rev. Fr. Apolinard Mateo.

Sa pamamagitan ng techno-demo project, natuto ang pitong kabataang iskolar ng nasabing foundation na mag-maintain ng palaisdaan. Ani ni Fr. Mateo "higit pa sa kikitain, ang benepisyo ng proyekto ay ang experience, skills and knowledge gained by the kids, which they can use later in life."

Nasabi rin ni Fr. Mateo na gagamitin ang kikitain sa proyekto para i-roll over at i-expand sa iba pang mga fishpond sa kanilang area.

"Malaki ang naitulong ng BFAR dito sa amin, technically. Kung dati parang gubat ngayon ay maayos na. Dati rin ay maliliit ang aming napropodyus ngayon ay malalaki na," sabi ni Fr. Mateo.

Ang BFAR RO2 ay nagpapasalamat kay Fr. Mateo sa pagkakataong makatulong sa nasabing Foundation.

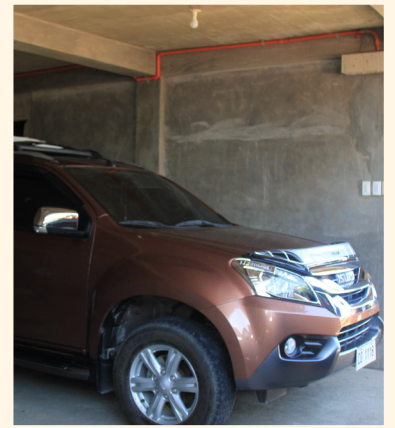


Gawad
Saka

NATIONAL WINNER
*Culture Fisheries
Category*

HOW A FORMER **FARM WORKER** BECAME A BIG-TIME **HATCHERY OPERATOR**

Vicente 'Dodong' B. Lugagay
Rizal, Santiago City, Isabela



For 53-year-old Vicente 'Dodong' B. Lugagay, there is nothing impossible with perseverance. Despite very humble beginnings, he rose to become an epitome of a successful fish farmer in the province of Isabela.

Mr. Lugagay was able to amass considerable assets in a short span of time, despite being a relatively recent resident of Santiago City. He applied all the learning on fish culture he had from his former company to his fledgling tilapia hatchery business and transformed it into a reputable source of quality fish seed material. He did this alongside the application of good business sense and astute financial management.

Mr. Lugagay's farm (JAVE Farm) located in Brgy. Rizal, Santiago City, supplies fingerlings not only in Isabela but also in other provinces such as Nueva Vizcaya, Cagayan, Pampanga and the Cordillera Administrative Region. He does this thru innovative, cost and time efficient, and environment-friendly technologies.

For being 2018's Gawad Saka Winner on Fish Culture Category, Mr. Lugagay bagged a total of Php

300,000.00 in prizes from the national and regional levels.

Green water technology

Mr. Lugagay significantly cuts on feed costs and ensures viability of his fishponds by using green water technology during breeding stage. The technology entails pond fertilization using chicken manure to produce natural food (planktons and moina). Compared to commercial feeds, the use of natural food is more appropriate during breeding stage since it prevents breeders from expelling their eggs during mouth brooding. Mr. Lugagay also uses alternative fish feeds such as duckweeds, azolla and dried soft-shelled shrimp (for high protein diet). Homemade probiotics are also utilized to bring vigor to his breeders and prevent mortality during summer.

A special pump installed in his conditioning tanks, instead of the conventional flow-through and aeration system, allows for a more sturdy fingerlings thereby higher survival rate. Sex reversal is achieved in only four days, instead of the usual 21 days. Using all these technologies, he achieves average monthly production of three to five hundred thousand fingerlings per month.

His fingerlings are climate change adaptable. This is achieved by crossbreeding specific tilapia strains.

Marketing strategy

Mr. Lugagay knows when to speed up production to cope up with demand and also seeks new markets, when sales are low. As a marketing strategy, he gives generous commission to agents who can close a deal. Incentives aside, performance of his fingerlings most often serves as advertisement in themselves, that is why a lot of his buyers are repeat customers.

As a reputable source of fingerlings, Mr. Lugagay sees to it that every sales comes with technical advises for the whole duration of the culture period, to ensure success of his buyers.

Bureau of Fisheries and Aquatic Resources Region 02 Regional Director Dr. Nelson B. Bien was elated with this development and said that the region needs more winners and fish farm operators like Mr. Lugagay in order to bring about much needed increase in fisheries production in Region 02.

✉ Maximino Prudencio.

2 pygmy killer whale na naligaw sa pampang ng Sta. Ana naibalik sa dagat



Matagumpay na nakabalik sa dagat ang dalawang pygmy killer whale, ika-17 ng Agosto, matapos maligaw ang mga ito sa pampang ng Sta. Ana, Cagayan.

Ayon kay Dr. John Henry Centeno III, Fishing Regulations Officer 1

ng BFAR, unang namataan ng mga miyembro ng Philippine Coast Guard (PCG) at concerned citizens ang mga lumba-lumba, Biyernes, San Vicente, Sta. Ana.

Sinubukang palanguyin nina CPO Jesus Manzano, PCG Station

Commander CGSS Sta. Ana at SN2 Christian Hope Caberoy ang mga dolpin papunta sa dagat subalit bumabalik ang mga ito sa pampang kaya't napagkasunduan nilang dalhin muna ang mga ito sa istasyon ng BFAR bayan ng Sta. Ana.

Walang nakitang galos sa mga ito dito kaya't pinagpahinga lamang, at bandang alas-kuwatro ng hapon, Sabado, matagumpay na nakalangoy ang mga ito pabalik sa dagat.

Tinatayang nasa 150-kilos ang timbang ng mga killer whale, may 2.3-metro ang haba ng lalaki samantalang nasa 2.2-metro naman ang babae.

Hindi pa tiyak ang dahilan ng pagkaligaw ng mga dolpin pero marami ang maaaring naging dahilan, ayon kay Centeno, kagaya ng masamang panahon, pagkakamali sa kanilang nabigasyon, at ilegal na pangingsida. ❏ Jackie Mark de la Cruz.

Social enterprise ipapatupad sa CFLC ng Claveria, Cagayan

Naganap noong ika-18 at ika-19 ng Oktubre ang Enterprise Development Training para sa mga mangingisda ng Claveria, Cagayan. Ang pagsasanay ay patungo sa pagkakaroon ng Business Plan ng kanilang Community Fish Landing Center at kaakibat nitong proyektong pangkabuhayan para sa mga benepisaryo nito.

Sa pamumuno ng BFAR RO2, katulong ang kanilang Mayora na si Dr. Celia T. Layus, at kanyang mga tauhan, napagusapan at naisaayos ang kanilang plano para sa operasyon ng CFLC o ang kanilang Operation and Management Guide, kabilang na ang proyektong pangkabuhayan para sa fisherfolk-beneficiaries na fish trading at commercial fishing vessel.

Napagkasunduan din ng mga fisherfolk na bubuo sila ng kooperatiba para mamahala sa CFLC.

Kung maipapatupad, ito pa lang ang kauna-unahang fisherfolk cooperative dito sa Rehiyon dos, na kung saan daan-daang mangingisda ang puwedeng makinabang sa



pamamagitan ng access to credit, easier access to market, fair share (if not higher share) in the value of their catch, better post-harvest handling and processing.

Makikinabang din ang mga ordinaryong mamamayan sa

pamamagitan ng posibleng pagbaba ng retail price ng mga isda at sa iba pang social services ng CFLC, tulad ng organizational development and strengthening of fisherfolk, sustainable fisheries management, knowledge and information sharing at mga proyektong pang-Coastal Resource Management.

BFAR nakiisa sa International Coastal Clean Up 2018

Nakiisa ang BFAR RO2 sa idinaos na International Coastal Clean-Up 2018, ika 25 ng Setyembre sa San Vicente, Sta. Ana, cagayan.

Sama-samang namulot, ang kinatawan nitong dumalo, sa mga lugar malapit sa baybayin ng San Vicente kasama ang mga opisyal at kawani mula sa Department of Environment and Natural Resources, Philippine Coast Guard, Philippine Navy, Philippine National Police, Cagayan Economic Zone Authority, Philippine Marines, Palau Environmental Protectors Association, mga mag-aaral at mga guro ng San Vicente Elementary School, grupo ng indigenous people, at mga residente ng Barangay San Vicente na kinabibilangan ng kanilang pamahalaang pambangay at SK Federation.

Kilala ang International Coastal



Clean Up sa buong mundo bilang ang pinakamalaking boluntaryong pagtutulungan ng mga mamamayan para malinis ang karagatan at lagusan ng tubig. Dito, nagkakaisa ang ibat-ibang organisasyon ng bansa upang linisin ang mga kalat sa tabing-dagat.

Batay sa pag-aaral ng United Nations, tinatayang higit 13-million metric tons ang dami ng plastik na napupunta sa karagatan bawat taon -- o isang punong garbage truck kada minuto na nakakaapekto sa nasa 800 uri ng hayop sa buong mundo.



Educational Tour - The Rural Improvement Club-Luttuad of Diffun, Quirino embraced the educational tour commitment of BFAR 02 Regional Director Nelson B. Bien last November 19-21, 2018 at Bataan, Bataan.

Together with PFO Christopher B. Casco, FPD- Post-harvest Section staff Glenys Llanto, RIC Coordinator Liza Guano and PLGU-AT for Fisheries Yolanda Guerrero, RIC Luttuad visited and learned from several fish processing establishments in Bataan like Amanda's Marine and Smoked Products, Alba's Fish Processing Industry and Carlo's Tuna.

The group is expected to re-echo their learnings on smoked-fish making, bottling, canning and post-harvest protocols that they acquired during the tour to their families and to the community.

PFO-Quirino together with MLGU-Diffun and PLGU extended their gratitude to the Bureau, OIC RD Nelson B. Bien and Dr. Severina Bueno, FPD Chief for the opportunity granted to the active RIC group supported by BFAR in the province of Quirino.

Paano hatihatiin ang Php 10 million? - Nagpulong kamakailan ang mga opisyal at tauhan ng LGU Claveria at BFAR RO2 upang pag-usapan kung saan ilalaan ang Php 10 million na napanalunan ng bayan bilang top 3 sa Malinis at Masaganang Karagatan (MMK) Search for Outstanding Coastal Community National Level taong 2017.

Sa pamumuno ni MA Marlyn Dalire at Dr. Emma Ballad ng FMRED, napagusapan na ilalaan ang premyo sa mga proyektong lalo pang magpaunlad sa fisheries sector ng Claveria, tulad ng: payao, fish cages, training, business capital and livelihood assistance, distribution of fishing boats, floating resto, FLET training, IEC at mangrove rehab. Sa kabuuan, Php 12M ang napanalunan ng Claveria (+2M reg'l).

Sa ibang LGUs sali na sa MMK, para kayo ay magkaroon din ng tiyansang manalo ng Php 10M - 30M! 📧 Maximino Prudencio.



"MALINIS AT MASAGAHANG KARAGATAN"



THE SEARCH FOR THE COUNTRY'S OUTSTANDING COASTAL COMMUNITY

SUMALI SA PATIMPALAK PARA SA MGA NATATANGING PAMAYANAN NA MAY KAHANGA-HANGANG PANGANGASIWA AT PANGANGALAGA NG PANGISDAAN AT YAMANG-TUBIG

Criteria:

1. No illegal fishing

Ang ilegal na pangingsida katulad ng paggamit ng dinamita, mga nakakalasang kemikal at kuryente ay nagdudulot ng mabilis na pagkaubos ng isda na may negatibong epekto sa kabuhayan at seguridad sa pagkain. Ang mga batas pangisdaan at mga regulasyon ay dapat sundin. Maging mapagmatyag at ipagbigay-alam sa mga awtoridad ang nalalaman at nakikitang mga paglabag.

2. Observance of closed fishing season

Ang closed fishing season ay ang itinakdang panahon kung kailan ipinagbabawal ang panghuhuli ng isda sa isang partikular na lugar. Ang pagsunod sa closed fishing season na kadalasang naitataon tuwing spawning season o panahon ng pangitingitlog ay makakatulong upang ang mga isda ay makapagpamahi ng kanilang bilang.

3. establishment of marine protected areas

Ang marine protected areas (MPAs) ay ang protektadong bahagi ng dagat kung saan ang mga gawaing pantao ay mahigpit na pinangangasiwaan upang patuloy na mapangalagaan ang iba't-ibang uri at bilang ng mga isda lalo na ang mga paubos, bihira at nanganganib nang maubos, maging ang kanilang habitat o tirahan.

4. clean coastal waters without domestic and industrial wastes

Ang mga basura katulad ng plastik at kemikal na itinatapon sa dagat ay pumapatay sa maraming uri ng hayop katulad ng isda, sea turtles, seabirds, at marine mammals. Ang mga plastik sa dagat ay sumisipsip at naglalabas ng nakakalasang mga kemikal na maaaring maipasa sa mga tao mula sa mga kinakaing isda. Mahalaga ang maayos at masistemang pagtatapon ng mga basura o anumang dumi mula sa ating mga tahanan at pamayanan.

5. effective mangrove protection and rehabilitation program

Ang mangroves o mga bakawan ay nagsisilbing pangitlugaan at alagaan para sa maraming uri ng isda, alimango, hipon at mollusk. Pinipigilan din ng mangroves ang mga latak o deposito at pagguho mula sa mga alon at bagyo. Magtanim ng mga bakawan sa mga baybayin at mga nakalabong bakawan dahil dito mapagayayaman ang ating pangisdaan.



National
Winners
will receive:

Php 30 million - Grand Winner

Php 18 million - 2nd Place

Php 10 million - 3rd Place

Regional Winners will receive:

Php 2 million - Regional Winner

Php 1 million - 2nd Place

Php 500,000 - 3rd Place

Prizes will come in the form of fisheries livelihood projects.

For more information, please contact Bureau of Fisheries and Aquatic Resources Region 02 at Tel. No. (078) 304-5331 / (078) 396-9774 or e-mail us at bfar_ro2@yahoo.com.



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