

Mexico, Yucatan blue crab dipnet pot trap FIP

Task 1.2 Implement monitoring Program

Progress up to March 2020

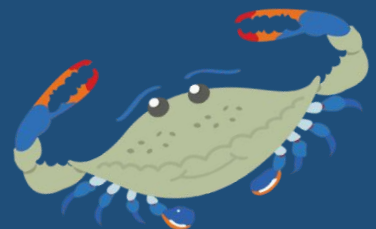


Objective

Implement catch register using the Catch Record Format in order to obtain basic biological information of the blue crab received by Pesmar.

Information obtained through logbook

- Catch data
- Supplier
- No of traps
- Species
- Sizes of catch through biological monitoring
- Sex ratio
- Undersized blue crabs received at Pesmar facilities



Reception Process

At dawn fishermen move to the fishing grounds to set traps to catch the blue crab. Some fishermen remain in the fishing grounds until it is time to check the traps, other fishermen leave them several hours and return to the beach to return back to get their traps in a couple of hours.

During the morning the blue crab is received alive in the Reception Centers. It is verified that the blue crabs received are above the minimum legal size and that there are not bearing eggs females or that some blue crabs have evidence of being shaved.

Sampling

- Each fishing day, 4 boats are selected randomly per Reception Center. The following information is recorded for each vessel:
- Date and fisherman name
- Fishing ground
- No. of pots or traps used for capture
- Total blue crabs delivered by species in kilos
- Total big blue crabs delivered by species in kilos
- Total of blue crabs below the minimum catch size received, which are returned to the sea
- Total of blue crabs that arrived dead at the Reception Center and delivered back
- Person who filled out the record

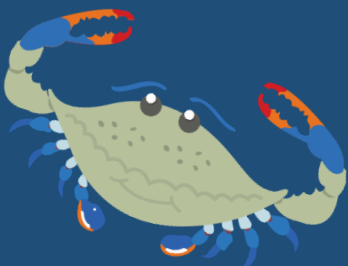


Sample Selection

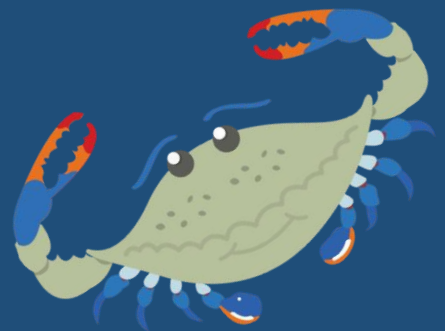
- From the total received by the randomly selected fishing boats, a sample is selected from which the following is recorded:
- Total kilos of blue crabs
- Total kilos of big blue crabs
- The size of each blue crab is measured according to the protocol established in NOM-039-PESC-2003 and it is determined if they are males, mature females or immature females.




PESMAR Receiving Center



Pesmar Facilities. Processing Plant



Example of data collection records

|  | | REGISTRO DE DATOS DE JAIBA | | | | |
|---|--|---|--------------------|-----------------------------------|---------------|--|
| | | PESCADOS Y MARISCOS DEL CARIBE S.A DE C.V Calle Aldama Manzana 90 Lote 2, Col. Junto al fundo legal 24370 Sabancuy, Ciudad Del Carmen, Campeche. | | | | |
| FECHA EMISION 22/AGOSTO/2018 | | CLAVE: FSPR05 | NO. REVISIÓN 01 | FECHA REVISIÓN 22/FEBRERO/2019 | PAG 1 DE 1 | |
| Proveedor <u>José martínez</u> Zona de pesca <u>molero</u> Aros no. <u>180</u> | | | | | | |
| Total | | Muestra | | | | |
| Kg jaiba <u>40</u> | | Jaiba (kg) <u>1.5</u> | | | | |
| Kg jaibón <u>-</u> | | Jaiba (#) <u>15 piezas</u> | | | | |
| Vaciadas (#) <u>10 piezas</u> | | muestra jaibón (kg) <u>-</u> | | | | |
| Pequeñas (#) <u>8 piezas</u> | | Muestra (#) <u>-</u> | | | | |
| sexo ♂ ♀ ♀ I M | | sexo ♂ ♀ ♀ I M | | | | |
| Talla | | Talla | | | | |
| 12.8 | | 14.5 | | | | |
| 14.5 | | 14.7 | | | | |
| 13.5 | | 12.5 | | | | |
| 14.7 | | 13.5 | | | | |
| 13.5 | | 14.8 | | | | |
| 12.5 | | 13.7 | | | | |
| 13.8 | | 13.5 | | | | |
| 14.5 | | 14.7 | | | | |
| 12.8 | | 12.5 | | | | |
| 14.5 | | 13.7 | | | | |
| 13.8 | | 14.8 | | | | |
| 14.5 | | 13.5 | | | | |
| 13.5 | | 14.3 | | | | |
| 12.7 | | 13.5 | | | | |
| 12.5 | | 12.8 | | | | |
| Observaciones: | | | | | | |
| Proveedor <u>José Guadalupe cruz</u> Zona de pesca <u>Amolero</u> Aros no. <u>250</u> | | | | | | |
| Total | | Muestra | | | | |
| Kg jaiba <u>28</u> | | Jaiba (kg) <u>1.5</u> | | | | |
| Kg jaibón <u>-</u> | | Jaiba (#) <u>17 piezas</u> | | | | |
| Vaciadas (#) <u>10 piezas</u> | | muestra jaibón (kg) <u>-</u> | | | | |
| Pequeñas (#) <u>8 piezas</u> | | Muestra (#) <u>-</u> | | | | |
| sexo ♂ ♀ ♀ I M | | sexo ♂ ♀ ♀ I M | | | | |
| Talla | | Talla | | | | |
| 12.8 | | 14.5 | | | | |
| 14.5 | | 14.7 | | | | |
| 13.5 | | 12.5 | | | | |
| 14.7 | | 13.5 | | | | |
| 13.5 | | 14.8 | | | | |
| 12.5 | | 13.7 | | | | |
| 13.8 | | 13.5 | | | | |
| 14.5 | | 14.7 | | | | |
| 12.8 | | 12.5 | | | | |
| 14.5 | | 13.7 | | | | |
| 13.8 | | 14.8 | | | | |
| 14.5 | | 13.5 | | | | |
| 13.5 | | 14.3 | | | | |
| 12.7 | | 13.5 | | | | |
| 12.5 | | 12.8 | | | | |
| Observaciones: | | | | | | |
| Proveedor <u>José Clemente</u> Zona de pesca <u>Bajo seco</u> Aros no. <u>180</u> | | | | | | |
| Total | | Muestra | | | | |
| Kg jaiba <u>16</u> | | Jaiba (kg) <u>1.4</u> | | | | |
| Kg jaibón <u>7</u> | | Jaiba (#) <u>18 piezas</u> | | | | |
| Vaciadas (#) <u>14 piezas</u> | | muestra jaibón (kg) <u>1.5</u> | | | | |
| Pequeñas (#) <u>8 piezas</u> | | Muestra (#) <u>-</u> | | | | |
| sexo ♂ ♀ ♀ I M | | sexo ♂ ♀ ♀ I M | | | | |
| Talla | | Talla | | | | |
| 12.8 | | 14.5 | | | | |
| 14.5 | | 14.7 | | | | |
| 13.5 | | 12.5 | | | | |
| 14.7 | | 13.5 | | | | |
| 13.5 | | 14.8 | | | | |
| 12.5 | | 13.7 | | | | |
| 13.8 | | 13.5 | | | | |
| 14.5 | | 14.7 | | | | |
| 12.8 | | 12.5 | | | | |
| 14.5 | | 13.7 | | | | |
| 13.8 | | 14.8 | | | | |
| 14.5 | | 13.5 | | | | |
| 13.5 | | 14.3 | | | | |
| 12.7 | | 13.5 | | | | |
| 12.5 | | 12.8 | | | | |
| Observaciones: | | | | | | |



REGISTRO DE DATOS DE JAIBA (Centro de Acopio)

PROYECTO DE MEJORA DE JAIBA

(MEXICO YUCATAN PENINSULA BLUE CRAB- dipnet/pot/trap)

PESCADOS Y MARISCOS DEL CARIBE S.A. DE C.V

Calle Aldama Manzana 90 Lote 2, Col. Banco de Piedra

24100 Sabancuy, Ciudad Del Carmen, Campeche.

FECHA EMISION

22/AGOSTO/2018

CLAVE:

FSPR05

NO. REVISIÓN

04

FECHA REVISIÓN

13/SEPTIEMBRE/2019

PÁGINA

1 DE 2

PROVEEDOR: Emir Aranda
NOMBRE: Felix Rodriguez FECHA: 25-10-19

ZONA DE PESCA melon

| | | | | | | | |
|-----------------------------|---|---|-------|-----------------------|---|-----|-------|
| AROS # | | | | TRAMPA 150 | | | |
| TOTAL | | | | MUESTRA | | | |
| KG JAIBA 19 | | | | JAIBA (kg) | | 1.5 | |
| KG JAIBÓN 21 | | | | JAIBÓN (kg) | | 1.4 | |
| VACIADAS (no) (kg) 8 pesos | | | | Llenado por: Catalino | | | |
| PEQUEÑAS (no) (kg) 10 pesos | | | | | | | |
| Sp: Jaiba azul | | | | Sp: Jaibon azul | | | |
| ♂ | ♀ | ♀ | TALLA | ♂ | ♀ | ♀ | TALLA |
| | 1 | | 12-5 | | | 1 | 14-5 |
| | | 1 | 14-8 | | | 1 | 13-8 |
| | | 1 | 13-8 | | 1 | | 12-5 |
| 1 | | | 11-5 | | | 1 | 13-5 |
| | 1 | | 12-7 | | | 1 | 14-7 |
| | | 1 | 13-5 | 1 | | | 11-9 |
| | | 1 | 14-7 | | | 1 | 13-8 |
| | | 1 | 13-8 | | 1 | | 12-7 |
| | 1 | | 12-5 | | | 1 | 14-5 |
| 1 | | | 11-8 | | | 1 | 13-8 |

OBSERVACIONES

PROVEEDOR: Jesus Loida
NOMBRE: Wulber Garcia FECHA: 25-10-19

ZONA DE PESCA melon

| | | | | | | | |
|-------------------------------|---|---|-------|-----------------------|---|---|-------|
| AROS # | | | | TRAMPA 170 | | | |
| TOTAL | | | | MUESTRA | | | |
| KG JAIBA 45 | | | | JAIBA (kg) 1.5 | | | |
| KG JAIBÓN 1 | | | | JAIBÓN (kg) 1 | | | |
| VACIADAS (no) (kg) 1.4 pesos | | | | Llenado por: Catalino | | | |
| PEQUEÑAS (no) (kg) 11-7 pesos | | | | | | | |
| Sp: Jaiba azul | | | | Sp: | | | |
| ♂ | ♀ | ♀ | TALLA | ♂ | ♀ | ♀ | TALLA |
| | | 1 | 13-8 | | 1 | | 12-7 |
| | | 1 | 14-5 | | | 1 | 14-5 |
| 1 | | | 11-8 | | | 1 | 13-8 |
| | 1 | | 12-7 | 1 | | | 11-9 |
| | | 1 | 13-5 | | | 1 | 13-5 |
| | 1 | | 12-5 | | 1 | | 12-8 |
| | | 1 | 14-8 | | | 1 | 14-5 |
| | | 1 | 13-7 | | | 1 | 13-5 |
| | 1 | | 12-5 | | 1 | | 12-5 |
| 1 | | | 11-9 | | | 1 | 13-7 |

OBSERVACIONES

PROVEEDOR: Sergio Cruz
NOMBRE: María Casanova FECHA: 25-10-19

ZONA DE PESCA chibuda

| | | | | | | | |
|------------------------------|---|---|-------|-----------------------|---|-----|-------|
| AROS # | | | | TRAMPA 200 | | | |
| TOTAL | | | | MUESTRA | | | |
| KG JAIBA 48 | | | | JAIBA (kg) | | 1.5 | |
| KG JAIBÓN 30 | | | | JAIBÓN (kg) | | 1.8 | |
| VACIADAS (no) (kg) 10 piezas | | | | Llenado por: catalino | | | |
| PEQUEÑAS (no) (kg) 12 piezas | | | | | | | |
| Sp: Jaiba Negra | | | | Sp: Jaibon negra | | | |
| ♂ | ♀ | ♀ | TALLA | ♂ | ♀ | ♀ | TALLA |
| 1 | | | 11.7 | | 1 | | 12.8 |
| | | 1 | 13.8 | | | 1 | 14.7 |
| | 1 | | 12.7 | 1 | | | 11.9 |
| | | 1 | 14.6 | | | 1 | 13.8 |
| | | 1 | 13.8 | | | 1 | 14.5 |
| | 1 | | 12.5 | | | 1 | 13.5 |
| 1 | | | 11.5 | | 1 | | 12.7 |
| | | 1 | 14.3 | | | 1 | 13.8 |
| | 1 | | 13.7 | | 1 | | 12.5 |
| 1 | | | 12.8 | 1 | | | 11.9 |

OBSERVACIONES

PROVEEDOR: Coruelo Cruz
NOMBRE: Guadalupe Cruz FECHA: 25-10-19

ZONA DE PESCA melon

| AROS # | | | | TRAMPA 200 | | | |
|-----------------------------|---|---|-------|-----------------------|---|-----|-------|
| TOTAL | | | | MUESTRA | | | |
| KG JAIBA 35 | | | | JAIBA (kg) | | 1.9 | |
| KG JAIBÓN 9 | | | | JAIBÓN (kg) | | 1.5 | |
| VACIADAS (no) (kg) 7 pesos | | | | Llenado por: Catalino | | | |
| PEQUEÑAS (no) (kg) 10 pesos | | | | | | | |
| Sp: Jaiba azul | | | | Sp: Jaibon azul | | | |
| ♂ | ♀ | ♀ | TALLA | ♂ | ♀ | ♀ | TALLA |
| | I | M | | | I | M | |
| | | 1 | 14.5 | 1 | | | 11.9 |
| | 1 | | 12.7 | | | 1 | 13.5 |
| | | 1 | 13.5 | | | 1 | 14.7 |
| | | 1 | 13.7 | | 1 | | 12.5 |
| | | 1 | 14.5 | | | 1 | 14.7 |
| | 1 | | 12.5 | | | 1 | 13.8 |
| | | 1 | 14.7 | | | 1 | 14.7 |
| | | 1 | 13.8 | 1 | | | 11.9 |
| | 1 | | 12.5 | | | 1 | 13.5 |
| | | 1 | 13.5 | | | 1 | 14.8 |

OBSERVACIONES

Nota: Observaciones % aproximado de especies.

FSPR05 Rev 03