

Surat Thani Blue Swimming Crab Fishery Improvement Project

Milestone 6: Evaluation of BSC banks (2021 update)

The Department of Fisheries has implemented the Crab Bank Project in Surat Thani Province. The performance indicators and progress evaluation methods are as shown in Table 8. In 2020, a total of 25,098 individual gravid female BSC had entered the crab banks and a total of 12,549,000,000 individual Zoea stage of young BSC were released into the wild. (Table 2)

Table 1 Indicators and measurement methods for the Blue Crab Bank Project Implementation

No.	Performance indicators	Measurement method
1	Number of gravid female BSC entering the crab banks	Photos and records number of gravid female BSC entered the crab banks
2	Stock of BSCs in the wild is decreasing	The BSC catch has increased.
3	Number of activities in training to educate the target group toward sustainability	Photos and content of the training activities
4	Establishment of Crab Bank Operating Committees	Volunteers who participate the BSC Crab Bank Operation

Table 2 Outcomes of each community's Crab Bank

No.	Name of Community's Crab Bank	Number of individual gravid female BSC entered the crab bank	Number of individual Zoea stage BSC released into the wild	Operation time
1	Pak Donsak, Village No. 7, Donsak Subdistrict, Don Sak District, Surat Thani Province	2,508	1,254,000,000	Jan. 19 – Sep. 20
2	Ban Tha Samet, Village No. 1, Saphli Subdistrict, Pathew District, Chumphon Province	993	496,500,000	Jan. 20 – Sep. 20
3	Ban Ko Tiab, Village No. 7, Pak Klong Subdistrict, Pathew District, Chumphon Province	163	81,500,000	Jan. 20 - Sep. 20

4	Ban Rattanakosai, Village No. 5, Pak Tako Subdistrict, Thung Tako District, Chumphon Province	384	192,000,000	Jan. 20 - Sep. 20
5	Ban Bo Kha, Village No. 3 , Dan Sawi Subdistrict, Sawi District, Chumphon Province	6,568	3,284,000,000	Jan. 20 - Sep. 20
6	Ban Thong Krok, Village No. 13, Bang Nam Chuet Subdistrict, Lang Suan District, Chumphon Province	153	76,500,000	Jan. 20 - Sep. 20
7	Ban Pak Nam Lamae, Village No. 1, Lamae Subdistrict, Lamae District, Chumphon Province	450	225,000,000	Jan. 20 - Sep. 20
8	Ban Thong Kho, Village No. 13 , Bang Nam Chuet Subdistrict, Lang Suan District, Chumphon Province	675	337,500,000	Jan. 20 - Sep. 20
9	Ban Laem Pho, Village No. 5, Phum Rieng Subdistrict, Chaiya District, Surat Thani Province	388	194,000,000	Jan. 20 - Sep. 20
10	Baan Iled, Village 2, Hat Sairee Subdistrict, Mueang District, Chumphon Province	1,187	593,500,000	Jan. 20 - Sep. 20
11	Ban Khanthulee, Village No. 2, Khanthulee Subdistrict, Tha Chana District, Surat Thani Province	42	21,000,000	Jan. 20 - Sep. 20
12	Ban Fai Tha, Village No. 1, Thung Sai Subdistrict, Sichon District, Nakhon Si Thammarat Province	448	224,000,000	Jan. 20 - Sep. 20
13	Koh Phet, Village No. 6, Koh Phet Subdistrict, Hua Sai District, Nakhon Si Thammarat Province	2,734	1,367,000,000	Jan. 20 - Sep. 20
14	Ban Nai Thung, Village No. 5, Tha Sala Subdistrict, Tha Sala District, Nakhon Si Thammarat Province	1,181	590,500,000	Jan. 20 - Sep. 20
15	Ban Sa Bua, Village No. 6, Tha Sala Subdistrict, Tha Sala District, Nakhon Si Thammarat Province (1 st station)	289	144,500,000	Jan. 20 - Sep. 20

16	Ban Plaithon, Village No. 6 , Thung Prang Subdistrict, Sichon District, Nakhon Si Thammarat Province	31	15,500,000	Jan. 20 - Sep. 20
17	Ban Na Lae (Pak Duad), Village No. 12, Sao Phao Subdistrict, Sichon District, Nakhon Si Thammarat Province	37	18,500,000	Jan. 20 - Sep. 20
18	Ban Nong Bua, Village No. 6, Suan Taeng Subdistrict, Lamae District, Chumphon Province	970	485,000,000	Jan. 20 - Sep. 20
19	Ban Laem Santi, Village 5, Lamae Subdistrict, Lamae District, Chumphon Province	4,593	2,296,500,000	Jan. 20 - Sep. 20
20	Ban Bo Samrong, Village No. 2, Pak Khlong Subdistrict, Pathew District, Chumphon Province	285	142,500,000	Jan. 20 - Sep. 20
21	Ban Bang Son, Village No. 1, Bang Son Subdistrict, Pathew District, Chumphon Province	377	188,500,000	Jan. 20 - Aug. 20
22	Ban Nong Hong, Village No. 6, Koh Phet Subdistrict, Hua Sai District, Nakhon Si Thammarat Province	273	136,500,000	Jan. 20 - Aug. 20
23	Baan Srithanu, Village No. 8, Koh Phangan Subdistrict, Koh Phangan District, Surat Thani Province	82	41,000,000	Jul. 20 - Aug. 20
24	Ban Phraek Muaeng, Village No. 9, Na Saton Subdistrict, Hua Sai District, Nakhon Si Thammarat Province	287	143,500,000	Jul. 20 - Aug. 20
	Total	25,098	12,549,000,000	

Regarding the evaluation of the Crab Bank operation, the following activities were carried out:

1. Recording the number of gravid female BSC brought into the crab bank to estimate number of Zoea stage crabs hatched in the bank and released into the wild. This is preliminary information for further BSC resource management.

2. Records of catch from BSC fisheries. This activity provides opportunity for fishers to participate BSC data collection.

3. Collect data from fishers by the relevant agencies. The collected data will be analyzed as trends of BSC and other aquatic animal resources. The results will be used as preliminary information in BSC resource management planning

Submitted in 2020 Evaluation

Evaluation criteria for BSC banks of Department of Fishery (DoF)

- The number of crab banks has increased not less than 30 banks.
- There are berried female crabs to crab banks not less than 120 crabs/bank/year.
- There is at least 1 knowledge manual of crab bank extension.
- There are crab bank learning centers not less than 5 communities.

Evaluation criteria for BSC banks in overall

- There is participation in research and innovation among provincial agencies, communities, as well as stakeholders.
- Create linkage and transfer information between agencies and communities both in terms of research data, academic information And formed a cooperative network in the crab resources management.
- The number of crabs has increased.
- There is a BSC sustainable fishery.
- Fishermen get income and have a better life quality.