NGOR Pengbun*, AUN Sinath and Kent G. HORTLE

Assessment of Mekong Capture Fisheries Component, Mekong River Commission; Department of Fisheries, Inland Fisheries Research and Development Institute

ABSTRACT

Prey Veng Province is located in the Mekong Delta region of Southeastern Cambodia. In this lowland area, agriculture (especially rice growing) and fisheries are the most important sectors for the livelihoods of people. Prey Veng has many kinds of freshwater fisheries; mainly fishing lots (barrages) and mobile gears typically found in Cambodia. This province also has fisheries for catadromous shrimps or prawns, amongst which the bagnet or *dai* (stationary trawl) fishery for *Bongkong* (*Macrobrachium rosenbergii*) is the largest. The fishery consists of 13 single *Dais* operated in one Mekong tributary, the Tonle Touch. The fishery is aimed at the capture of wild *Bongkong* for sale in markets in Cambodia, but fish are also caught. Little is known about this fishery because no data collection system is in place. The aim of the study was to collect primary data on catches and their monetary value from all *Dais* in the fishery. Primary data are required to establish a reliable and cost-effective data collection scheme in the future, and provide information for management.

This paper reports on the results of a monitoring study over the main fishing season (October to December) in 2004. Data collectors recorded catches and their value based on random sampling of each *Dai*, and recorded sub-samples for assessment of species composition. Prices of each species were also recorded based on information from *Dai* operators. *Dai* owners and provincial fishery officers were interviewed about their operations, and about general aspects of the fishery.

The *Dais* caught a total of about 1.5 tonnes of *Bongkong*, (31-274 kg/*Dai*) over the main fishing season. *Bongkong* sold for about 30,000 Riel per kg on average, making it the most valuable species caught in the inland fishery of Cambodia. *Bongkong* catches have reportedly fallen in recent years and now the *Dais* catch mainly fish, including at least 153 species, amongst which *Labiobarbus kuhlii*, was the most abundant (25% of the total catch). Generally the *Dais* furthest upstream recorded the highest catches. *Dais* were classified into high- or low-catch units for sampling purposes.

The study highlights many issues that should be addressed. The operators do not fully comply with their license conditions relating to *Dai* dimensions and the time of operation. Mobile gear operators ignored rules about fishing near the *Dais*, and so have come into conflict with the *Dai* owners. The high price for *Bongkong* is causing overfishing and a decline in the wild catch, so for this species aquaculture should be promoted in Cambodia as it has been in other countries.

KEY WORDS: Cambodia; Tonle Touch; Bongong, Dai Bongkong; Catch; Value; Conflict

INTRODUCTION

Prey Veng Province is located in the Mekong Delta region of Southeastern Cambodia. In this lowland area, agriculture (especially rice growing) and fishing, are still considered the most important sectors for supporting rural livelihoods. Prey Veng hosts many kinds of freshwater fisheries; mainly fishing lots (barrages) and mobile gears. It is noteworthy that the province has a fishery for catadromous prawns or shrimps, amongst which *Dai* fishery for *Bongkong* is the largest. The fishery consists of 13 stationary *Dais* and targets *Bongkong*. However, since the total landings

^{*}PO Box 582 Phnom Penh, Cambodia, Email; pengbun27@hotmail.com

Proceedings of 7th Technical Symposium on Mekong Fisheries Ubon Ratchathani, Thailand, 15th - 17^{the} November 2005

of *Bongkong* have declined in recent years, the fishery has become diversified to target both *Bongkong* and fish.

Prey Veng is one of the few places in the country where *Bongkong* is available, especially from October to December, but little is known about the fishery. Furthermore, *Bongkong* is economically important locally, and has good consumer acceptance. Due to its high demand, *Bongkong* has gained popularity as a marketable item. This has attracted many people to the fishery resulting in an increase in the numbers of fishing gear in use, particularly hook and lines (*Santouch Bongkong*) and traps (*Lop Bongkong*).

Catch statistics for wild *Bongkong* reported by the Provincial Fisheries Office is unreliable as these are totally dependent on fishers who underreport landings because they are required to pay taxes for exclusive fishing rights. Unreliable statistics, when used for planning, will inevitably create problems in implementing policy for fishery management. There is a requirement for a data collection program to be in place, which is scientifically acceptable in order to produce reliable statistics for national level planning. An intensive data collection process from each fishery station is vitally important to identify its capacity in catching fish and *Bongkong*, that is, the volume of its catch and monetary value. This data will allow a sampling strategy to be implemented at all the *Dai Bongkong* units for the Department of Fisheries, particularly for the Prey Veng Provincial Fisheries Office, which is responsible for annual data collection of the fishery for the Ministry of Agriculture, Forestry and Fisheries.

This study aims to document all relevant information on the *Dai Bongkong* fishery with an emphasis on recording data on catches and monetary values of the fishery so that they can be classified for status and sampling purposes.

DESCRIPTION OF THE FISHERY

Location of the Dai Bongkong Fishery

Tonle Touch is a Mekong tributary and branches away from the Mekong near Kampong Cham Province in a southerly direction towards Viet Nam. At the point near Neak Luong ferry crossing in Prey Veng Province the river divides again into two main branches; the Tonle Touch and Prek Trabek Rivers (see Ngor *et al.*, 2005). The *Dai Bongkong* fishery operates along the Tonle Touch River from the point where it branches away from Prek Trabek River down to the Cambodian-Viet Namese border (see Figure 1. and Appendix 1).

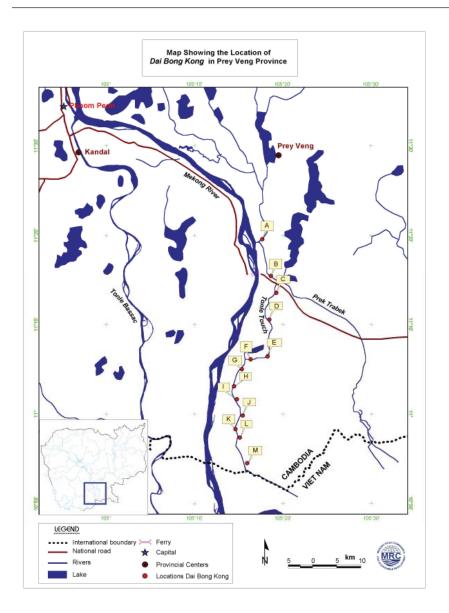


Figure 1. Map showing the location of Dai Bongkong fishery in Prey Veng Province

History and Licensing

Similar to the *Dai Trey Linh* fishery (Ngor et al., 2005), the *Dai Bongkong* fishery began operating in 1981. Between 1981 and 1986, the fishery was operated under a solidarity group, and it was privatized as a large-scale fishery in 1987. Normally, exclusive rights for operating each *Dai Bongkong* unit is given to the highest bidder covering a two-year period through auctioning. The official fee of each Dai Bongkong unit varies from about 0.8 to 8.1 million Riels according to locations (see Table 1).

Table 1. Official auctioning fee for Dai Bongkong						
Dai Bongkong	Auctioning fee (Riel)	Year of operation				
1A	5,500,000	2004–2006				
1B	5,400,000	2004–2006				
1C	4,200,000	2003-2005				
1D	1,700,000	2003-2005				
1E	4,400,000	2003-2005				
1F	4,125,000	2004-2006				
1G	8,150,000	2004–2006				
1H	810,000	2003-2005				
1I	1,800,000	2003-2005				
1J	1,820,000	2003-2005				
1K	300,000	2003-2005				
1L	300,000	2003-2005				
1M	4,500,000	2004–2006				

 Table 1. Official auctioning fee for Dai Bongkong

Note: Source: Prey Veng Fishery Office

Season of operation

The open season for fishing in Cambodia is from October to June. During this period, all fisheries are allowed to operate under the Cambodian Fishery Law. The operation of most large-scale fisheries takes place over a six to nine month period. For example, the *Dai Trey Linh* fishery in the Tonle Touch (6-7 months), the *Dai* fishery in Tonle Sap River (5-6 months) and the barrage fishery/fishing lot (6-9 months). However, the season of the *Dai Bongkong* fishery takes place over a relatively short period from October to December. Licensing conditions for operation of the fishery are similar to those of other large-scale fisheries in Cambodia.

Recently fishers have tended to start fishing operations in September to target small cyprinids that migrate from surrounding floodplains back to the *Tonle Touch* River. The peak catch of *Bongkong* takes place in November.

Dai Bongkong structure

The *Dai Bongkong* is a stationary bag net positioned in the river to target mainly *Macrobrachium rosenbergii*. Each row of the *Dai Bongkong* allows only one unit, leaving space for navigation. In the past, *Dai Bongkong's* structure was designed to catch only giant river prawns that migrate down the Tonle Rouch River from the surrounding floodplains. However, the fishing gear has recently been modified to target both fish and giant river prawn.

The old *Dai Bongkong* is comparatively shorter, about 8-12 metres long and closed at the bag end. It has a mesh size of 3-4 cm. The mouth of the bag net is rectangular with a width of about 20 to 35 metres and a height of 3-4 metres. It is opened by two bamboo poles, which are tied to small bamboo rafts or 500 litre metal or plastic drums. To prevent the giant river prawns that have

entered the bag net from leaving the bag net, curved-backward bamboo stays are used to attach the surrounding ropes, except for the upper rope, to the net. Wooden poles at either sides of the river are fixed and metal wires are used to tie the bag net to the wooden poles in order to make the bag net stationary and stablised. To collect giant river prawns and fish fauna, the bag end of the net needs to be cut open and subsequently repaired when putting back into the river (see figure 2).

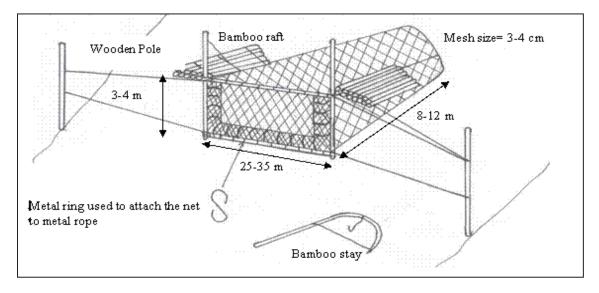


Figure 2. Old design of *Dai Bongkong*

The modern, modified *Dai Bongkong* has the same basic structure as the old one. The difference is that it is about 45 to 50 metres long and the net has a smaller mesh size of about 3 cm at the mouth of the *dai* to only 1.5 cm at the cod-end (Figure 3).

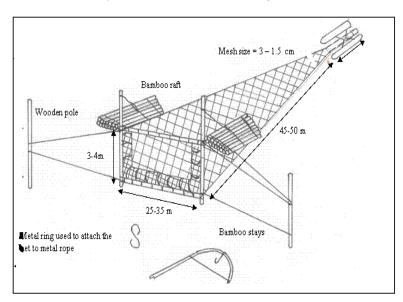


Figure 3. New design of Dai Bongkong

In addition, the cod-end of the new bag net is designed in such a way that giant river prawn and fish can easily be removed withouth the need to cut open the dai. The cod-end of the new *Dai Bongkong* is similar to that of the *Dai Trey Linh* fishery (more details see Ngor et al., 2005) and *Dai* fishery in the Tonle Sap River (more details see Deap *et al.*, 2003).

Old structure *Dai Bongkong* was designed for the situation when wild giant river prawns were still abundant. Since there has been a drastic decline in giant river prawn production, fishers started to modify the fishing gears to be more convenient to operate and highly effective in catching both freshwater prawns and fish. Another benefit of the new *Dai Bongkong* is that fishers can remove the giant river prawn and fish any time they wish to order to keep fish alive and in good quality. This is different from the old *Dai Bongkong* in that fishers collect fish only one time during the night.

Giant River Prawn Fisheries

Giant river prawns are popularly captured by several fishing gears including hook and lines, traps, *Dai Bongkong* fishery and the barrage fishery or fishing lots.

Hook and lines

Hook and line fishing occur in July and August and from January to May. In July and August, the fishing gears are operated only at night in floodplains when sediment and debris are settled down and the flood waters become less turbid; whereas, from January to may, the fishing gears operate only the Cambodian Lower Mekong River. The fishers use nails with 3 cm long as a hook. Coconut is the most usual bait used by fishers to capture giant river prawns. Alternatively, fishers also use crabs, *botia sp.*, boiled pig skin, corns etc. as bait. The giant river prawns captured by hook and lines in July and August often carry eggs while those that are captured from January through May are small size (about finger sizes).

Traps

Traps are the most popular fishing gears used by fishers in Prey Veng Province to catch giant river prawns. It is reported that traps for giant river prawns has dramatically increased. According to fishers, there were about 5,600 traps from 70 boats in operation in commune 2 and about 1,500 traps from 25 boats in operation in commune 3 and 4 of *Peam Ror* district of Prey Veng Province. The season of trap fishing is from July to October, during which traps are operated mainly in the floodplains, and from January to May through which traps are operated only in the main river of the Cambodian Lower Mekong from ferry crossing (*Neak Loung*) down to Cambodian-Viet Namese border (see figure 1). The peak time of trap fishing occurs in September when giant river prawns carry eggs and are ready to migrate to the brackish water for spawning whereas the giant river prawns caught in January through May in the Mekong River are in small size.

Dai Bongkong and fishing lots/barrage fisheries

Dai Bongkong and fishing lots/barrage fishery begin in October and end in December and June respectively. *Dai Bonkong* operates only in the Tonle Rouch River to capture giant river prawns that migrate down the river; whereas, fishing lots or barrage fisheries operate in the floodplains or lakes by blocking canals or streams which connect to rivers to capture all fish fauna including giant river prawns. The catch of giant river prawn from fishing lot or barrage fisheries normally end in February. It is generally seen that giant river prawns captured by the large-scale fisheries during these periods are in large size and very few individuals carry eggs.

From hook and lines, trap fishing and *Dai Bongkong* and fishing lots/barrage fishery, it is suggested that the giant river prawns, *Macrobrachium rosenbergii*, may migrate down the river to the brackish water areas for spawning in September. Ngor et al, 2005 monitored *Dai Trey Linh* fishery in the Tonle Touch River along the Cambodian-Viet Namese border. They found out that 268 kg (64kg in September, 50kg in October, 62kg in November and 92kg in December) of *Macrobrachium Rosenbergii* were captured. The giant river prawns migrate back to the Cambodian waters in January as they are captured by traps and hook and lines (with small size) in the Lower Mekong River close to the Cambodian-Viet Namese border. It was also reported by fishers that between January and May, trawls that are operated in the Viet Namese waters captures a comparatively large amount of finger-sized *Macrobrachium rosenbergii*.

METHODOLOGY

The study was conducted over the period from October to December 2004. Data on the fishery was collected on a daily basis for the purpose of understanding catches and values of the fishery. The main data items recorded were catch, price, and species and their length frequency. The main steps in the research process were: (1) designing sample data sheets, (2) training data collectors on data collection methodology, (3) Collecting data from every station of the fishery and (4) analyzing the collected data.

To begin, sample data sheets were designed in order to facilitate the data collection process. Sample data sheets consisted of three types, which were used to record different data sets. The first sample data sheet was used to record catch composition of the fishery; the second was used to record fishing effort which was composed of a number of hauls (times) fishers cleared their bag net, time intervals between successive hauls and the total catch per haul, and the third data sheet was used to record length frequency of Bongkong (prawn) or fish.

Next, before the actual data collection was started, all the data collectors were trained in data collection methodology and on the identification of the fish species. Data collectors were first trained on how to fill in each of the sample data sheets. Then, the training was started with data collection methods which consisted of how to sample the catch from the fishery and sort the sub-

sample by species. The methods also included the ways of how to measure the total length of fish and Bongkong. Data collectors were also trained on how to identify fish species before recording onto the sample data sheets. To make it easier for this, a photo flipchart of over 200 species based on Mekong Fish Database (Mekong Fish Database, 2003) was compiled.

The third step was the actual data collection process. In total, there were 13 *Dai Bonkongs*; therefore, 13 data collectors were needed and each of them was stationed at each *Dai* for all weekdays (26 days per month). Sample data sheets were handed out to all the data collectors. To estimate catches of each Dai, the total catch from randomly selected hauls was recorded. Each 24 hours on each Dai, the total catch from 10 daytime hauls and 5 night-time hauls was recorded, and used to estimate total catches for the day. To estimate catch by species of each Dai, samples for analysis of species composition were taken from at least 4 hauls/day. A sub-sample of fish was sorted by species and each species was weighed on calibrated balances. The price of each species was also recorded, based on information from the Dai operators. For some common species, total lengths were measured using a measuring board accurate to 1 mm. To get relevant information on the fishery, Dai owners and provincial fishery officers were interviewed about the operation of their business, and about general aspects of the fishery such as hydrology and biology.

The last step was data entry and analysis. All the sample data sheets were collected back from the data collectors on a monthly basis. These sample data sheets were sorted by date, and coded before the data entry was started. Collected data from the fishery were primarily stored, processed and analyzed using computer software called *Artfish* for Windows (Stamatopoulos and Jarrett, 2000). Later, the data was exported to Electronic Spreadsheet for final analysis.

RESULTS OF THE MONITORING

Appendices 2, 3 and 4 give monthly details of the quantity, total value and unit price of all the species recorded during the survey.

Size of catch

Table 2 shows the catches of *Dai Bongkong* ranked by each unit (station) over a three-month period from October to December 2004 in Prey Veng Province. From this table, it can be seen that giant river prawns contribute only about 1.2 percent (1,531 kg) to the total catch of 125,911 kg. The rest of the catch is fish fauna. Totally, about 88 percent of the catch was taken by *Dai Bongkong* 1A, 1B and 1C, which are the most upstream units. The other units shared between only 0.2 to just over 2.5 percent.

Therefore for the sampling purposes, rather than collecting all the data from each of the stations, it can be suggested that all the stations be divided into two main strata. Stratum1 consists of 1A, 1B and 1C and the rest can be classified as stratum 2. The other option is basing the stratification on

the percentage of the catches of each station. Those that contribute approximately between 3 to 71 percent to the total catch can be put in stratum 1, between 1 and 2.99 percent in 2 and the other will be in stratum 3.

Station	Catch of giant river prawn (kg)	Catch of fish (kg)	Total (kg)	%
1A	113	89,350	89,463	71.05%
1C	228	17,045	17,273	13.72%
1B	274	3,820	4,094	3.25%
1M	148	3,076	3,224	2.56%
1I	74	2,155	2,229	1.77%
1J	39	2,049	2,088	1.66%
1H	91	1,870	1,961	1.56%
1E	125	1,343	1,468	1.17%
1G	79	1,070	1,149	0.91%
1D	142	981	1,123	0.89%
1F	137	827	964	0.77%
1K	50	570	620	0.49%
1L	31	224	255	0.20%
Total	1,531	124,380	125,911	100.00%

 Table 2.
 Monthly and annual Dai Bongkong catch in 2004

Composition of catch

Table 3. Catch composition giving total weight (kg) of the ten most abundant species

Khmer name	Scientific name	Oct	Nov.	Dec.	Catch	%
Khnang veng	Labiobarbus kuhli	30,560	61	18	30,639	24.33
Khlang hai	Belodontichthys truncatus	10,121	1,467	101	11,689	9.28
Pruol/kralang	Cirrhinus microlepis	7,984	118	11	8,113	6.44
Chra keng	Puntioplites waandersi	4,661	715	134	5,510	4.38
Kaek	Labeo chrysophekadion	4,434	549	77	5,060	4.02
Sanday	Wallago attu	3,210	989	56	4,255	3.38
Kanhchrouk chhnot	Botia helodes	3,928	293	4	4,225	3.36
Riel awng kam	Cirrhinus lobatus	3,894	48	9	3,951	3.14
Krom	Osteochilus melanopleura	3,164	487	25	3,676	2.92
Chhkok	Cyclocheilichthys enoplos	3,227	390	23	3,640	2.89
Other (144 species)		29,231	13,977	1,945	45,153	35.86
Total (all species)		104,414	19,094	2,403	125,911	100.00

There were 154 species recorded in the catch of *Dai Bongkong* (see Appendix 2), including the giant river prawn. The top ten species that made up almost 65% of the total catch are listed in Table 3. A small cyprinid, *Labiobarbus kuhli*, was the most abundant species, accounting for around 24 percent in the catch composition of *Dai Bongkokg*. It is interesting to note that although the

fishery is operated under the name of giant river prawn fishery, this species was not one amongst the top ten.

Value of catch

	2 8 8			
Station	Value of giant river prawn	Value of Fish	Total	Percentage
1A	4,920	116,737	121,657	58.54%
1C	2,577	23,515	26,092	12.56%
1B	9,698	3,131	12,829	6.17%
1M	4,440	4,454	8,894	4.28%
1E	3,868	2,734	6,602	3.18%
1D	4,726	860	5,586	2.69%
1F	4,310	1,308	5,618	2.70%
1H	2,584	2,713	5,296	2.55%
1I	1,983	3,098	5,081	2.45%
1G	2,403	1,356	3,759	1.81%
1J	718	2,700	3,418	1.64%
1K	1,132	750	1,882	0.91%
1L	723	368	1,091	0.53%
Total	44,083	163,722	207,805	100.00%

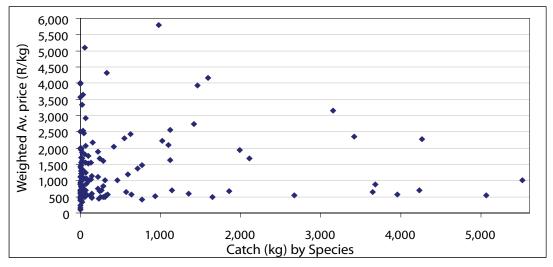
 Table 4.
 Monthly and annual Dai Bongkong total value (R1000s) in 2004

The total value, which is given in table 4, provides a corresponding answer to what has been found in the total catch. The most upstream *Dai Bongkong* units (1A, 1B and 1C) are the most productive, forming substantially about 77 % of the total sale value; while, the others add up to only about 23 percent (Table 4). Almost 80% of the total sales were from 153 non-prawn species combined.

	0 December 2004.					
Khmer name	Scientific name	Oct.	Nov.	Dec.	Total	%
Bongkong	Macrobrachium rosenbergii	19,819	21,385	2,879	44,083	21.21
Khlang hai	Belodontichthys truncatus	29,528	3,054	211	32,793	15.78
Khnang veng	Labiobarbus kuhli	15,440	39	10	15,489	7.45
Ros/ptuok	Channa triata	1,352	7,567	1,042	9,961	4.79
Sanday	Wallago attu	7,152	2,410	152	9,713	4.67
Chhpin	Hypsibarbus lagleri	6,974	986	74	8,033	3.87
Pruol/kralang	Cirrhinus microlepis	7,695	129	8	7,832	3.77
Khchoueng	Macrognathus maculatus	3,434	2,852	374	6,660	3.20
Kes prak	Kryptopterus limpok	5,600	123	12	5,735	2.76
Kray	Chitala blanci	528	4,551	554	5,633	2.71
Other (144 species)		42,035	17,316	2,520	61,872	29.77
Total		139,558	60,410	7,837	207,805	100.00

Table 5.Total value of catches (R1000s), showing the ten most valuable species (by total value) from
October. to December 2004.

Even though giant river prawn production contributed only 1.2 percent to the total catch, its total sale value at the *Dai Bongkong* formed a large proportion of just over 21% (44,083,000 Riels) of the total sale (see Table 5), which was 207,805,000 Riels. The second most valuable species was *Belodontichthys truncatus*, which accounted for almost 16% of the total sales; the remaining 144 taxa combined contributed only about 30%.



Note: Three species are excluded from this graph for clarity, as their weighted average price and catches are off-scale Figure 4. Weighted average price (R/kg) versus total catch (by species).

Figure 4 shows the weighted average price of each species plotted against total catch of each species. The weighted average price of *Macrobrachium rosenbergii* and the total catches of *Belodontichthys truncatus* and *Cirrhinus microlepis* are excluded from the graph for clarity as they are off-scale. The weighted average price and catches of these species are given in detail in appendices 2 and 4.

Khmer name	Scientific name	Catch (kg)	Price (Riel/kg)
Bongkong	Macrobrachium rosenbergii	1,531	28,793
Kray	Chitala blanci	973	5,789
Khchoueng	Macrognathus taeniagaster	56	5,090
Khchoueng	Mastacembelus favus	329	4,306
Khchoueng	Macrognathus maculatus	1,596	4,173
Chhpin krahorm	Hypsibarbus wetmorei	2	4,000
Antong	Monopterus albus	3	3,993
Kes prak	Kryptopterus limpok	1,462	3,923
Carp sor	Silver carp	31	3,648
Antong	Ophisternon bengalense	23	3,327

Table 6. The ten most valuable species in the Dai Bongkong fishery

It can be seen from Figure 2 that most of the species caught at *Dai Bongkong* fishery were sold at between 100 and 2,500 Riels per kg. In contrast, few species could be sold at between 3,000 and 6,000 Riels per kg.

Table 6 shows that the price of giant river prawn ranked first, sold at about 29,000 Riels per kg (or about US\$7/kg) on average. The second most expensive was *Chitala blanci*, which could be sold at about 5,800 Riels per kg at the *Dai* sites. *Macrognathus spp.* came to the third place sold at between 4000-5000 Riels per kg, and followed by the price of *Monopterus spp.* at 3-4000 Riels per kg. It is noteworthy that *Macrobrachium rosenbergii, Macrognathus spp.*, and *Kryptopterus limpok* were the most abundant amongst the top ten most valuable species.

Practically, when sold, giant river prawns were classified into three grades (see Table 7).

	1 00		
Grade	Weight	Price at the landing site	Local price sold by middlemen
	(g)	(Riel/kg)	(Riel/kg)
1	≥150	40,000	42,000
2	100 - 150	30,000	34,000
3	< 100	20,000	24,000

Table 7. Local price of giant river prawn classified by grades

This data was a result of the interview with local middlemen who bought and sold giant river prawns in the fishing season of 2004. Giant river prawns were kept alive in basket. Their price of giant river prawns was even higher and could be sold at between US\$15 to 20 per kg when transported alive to Phnom Penh.

Table 8.	Monthly weighted average prices (Riel/kg) for the ten species which made up the highest
	proportion of the total sale value.

Khmer name	Scientific name	/	Weighted av	erage price Dec 32,713 5,960 5,199 3,000 3,708 2,089 2,054 2,705 753 567	e
Kniner name	Scientific fiame	Oct	Nov	Dec	Overall
Bongkong	Macrobrachium rosenbergii	25,344	32,352	32,713	28,793
Kray	Chitala blanci	6,359	5,710	5,960	5,789
Khchoueng	Macrognathus maculatus	3,551	5,120	5,199	4,173
Kes prak	Kryptopterus limpok	3,972	2,560	3,000	3,923
Ros/ptuok	Channa striata	2,523	3,240	3,708	3,160
Khlang hai	Belodontichthys truncatus	2,917	2,082	2,089	2,805
Chhpin	Hypsibarbus lagleri	2,340	2,482	2,054	2,354
Sanday	Wallago attu	2,228	2,437	2,705	2,283
Pruol/kralang	Cirrhinus microlepis	964	1,091	753	965
Khnang veng	Labiobarbus kuhli	505	632	567	506
Weighted average price	ce for all species	1,314	1,696	1,925	1,455

Table 8 shows that the prices did not change much between months. From the data in this table, it suggested that a large proportion of giant river prawn captured were Grade 1 and 2.

Size of Giant River Prawn

Appendix 5 provides details of frequencies, mean length, variance and standard deviation of 31 common species captured at the *Dai Bongkong* fishery.

It can be seen from the graph that most of giant river prawns were caught at the length 12 cm over a three-month period from October to December, 2004. On average, giant river prawns were captured at 14.5 cm with standard deviation ± 3.2 .

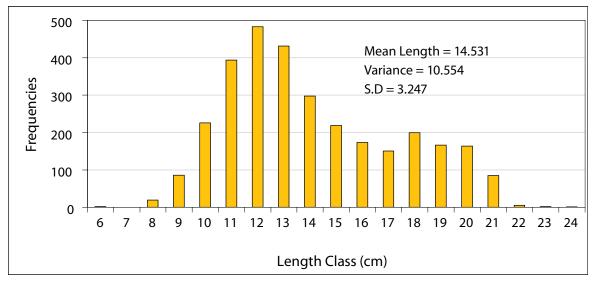


Figure 5: Frequencies versus length classes of giant river prawn (October to December, 2004)

Conflicts in the Dai Bongkong fishery

Several conflicts may occur in every fishing season of *Dai Bongkong*. The conflicts often occurred amongst *Dai Bongkong* operators, *Dai Trey Linh* operators and mobile gear operators.

Dai Bongkong owners: since the production of wild giant river prawn has remarkably declined, some *Dai Bongkong* operators, especially the most upstream ones, tend to start installing the bag net (newly introduced ones) in September, which is the peak time of *Dai Trey Linh* fishery, to capture small cyprinids that are forced to leave the floodplains as the water quality deteriorates (Welcomme, 1985 and Ngor et al., 2005). There are 5 units of *Dai Trey Linh* legally in operation in the Tonle Touch River from July to December; therefore, when *Dai Bongkong* operators begin their fishing before October, conflicts may arise. This is because certain quantities of fish that are supposed to migrate downstream are taken by *Dai Bongkong* upstream. Sometimes, the problems can be solved through oral agreement between the *Dai Trey Linh* and *Dai Bongkong* operators.

In addition, according to anecdotal evidence, there were cases that *Dai Bongkong* operators confiscated villagers' boats and fishing gears and destroyed when those villagers operated those fishing gears nearby or inside the *Dai Bongkong* sites, especially during the peak period, without any cooperation from fishery officers. There were also cases that *Dai Bongkong* operators arrested

mobile gear fishers outside their exclusive exploitation area (200 metres up- and downstream from the location of the each *Dai Bongkong*). Furthermore, there was also a requirement of payment for those who want to operate mobile gears such as drift gillnets, giant cast net etc. These activities caused serious conflicts among them.

Mobile gear operators: as there were cases villagers being violated by *Dai Bongkong* owners, some villagers took chance to revenge. Moreover, since there has been a policy reform, mobile gear operators' rights are better aware of and protected. Some villagers seem to use their rights inappropriately to fish in the areas of *Dai Bongkong* fishery. These create conflicts between the mobile gear operators and the *Dai Bongkong* owners.

DISCUSSION AND CONCLUSIONS

The catch of *Dai Bongkong* is much smaller than that of the other *Dai* fisheries such as *Dai* fishery in the Tonle Sap River and *Dai Trey Linh* fishery in the Tonle Touch River. This is because the fishing season occurs in a relatively short period and the fishery operates only in a Mekong tributary. For instance, in the fishing season of 2004-5, the *Dai* fishery's production in the Tonle Sap River was 16,207 tonnes (MRC/DoF monitoring data); whereas, the production of *Dai Bongkong* in 2004 was only 125 tonnes. However, the *Dai Bongkong* fishery is unique in that it captures giant river prawn the most. In 2004 fishing season, giant river prawn contributed to about 1.22 (1,531 kg) and 21.21 percent (R 44,083,000) to the total catch and value respectively. Almost none of the giant river prawns are captured at the *Dai Bongkong* catch is mainly 1+ fish and 1+ giant river prawn (see appendix 5). Apart from catching by the *Dai Bongkong*, considerable quantities of wild giant river prawns are usually taken by barrage/fishing lot fisheries, mobile gear fisheries (traps and hooks and lines) in the Mekong Delta in Prey Veng and Takeo Provinces.

Catch of wild giant river prawn has dramatically declined. It is reported that each unit of *Dai Bongkong* could catch up to 4 or 5 tonnes of giant river prawn per night during the peak period in 1980s. *Dai Bongkong* operators purely targeted only on giant river prawns, not fish. During that period, it was quite common that wild giant river prawns were captured by the *Dai* fishery or barrage fishery in the Tonle Sap River or they were caught by other mobile gear fisheries in the Cambodian upper Mekong in Kratie Province. According to group discussion with trap fishers for giant river prawn in Prey Veng Province, if 40-50 traps were used, they could capture 4-5 kg of giant river prawns per day in 1980s. The production of giant river prawns showed sign of decrease in 1996, when they could capture 1-2 kg per day per 100 traps. In 2004, most fishers could capture less than 1 kg per day per 100 traps. The main reasons behind this decline may be the result of dramatic increase in fishing efforts especially traps, hooks and lines, and other illegal fishing practices. Environmental degradation also plays a part to this decline, for example, hectares of inundated forest in Mekong Delta has been cleared for agriculture purposes. More importantly, it is a trans-boundary issue, when giant river prawns have to migrate to brackish water for spawning, where they pass through Viet Nam and migrate back to Cambodian floodplains for sheltering, feeding, and growing.

To conserve the fishery and to reduce conflicts, a number of measures should be taken. Firstly, traps and hook and lines should not be operated in the closing fishing season, giving chance to giant river prawns to spawn. Secondly, both *Dai Bongkong* operators and villagers have to follow the fishing regulations, in particular, conditions in the burden books and logbooks. Thirdly, the artificial breeding and culturing of giant river prawns (*Macrobrachium rosenbergii*) are successful in other countries than in Cambodia; thus, introducing such technology and re-stocking the species into the wild may help recover the national stock. Fourthly, it is a trans-boundary issue, which needs international cooperation to conserve this species. Finally, the quantities of wild giant river prawns captured by other fisheries such as traps, hook and lines, and fishing lots are not reliably known. The study of these fisheries may be important to understand the status of giant river prawn fishery countrywide. The data and information from this study may be important to suggest intervention measures for the management of the fishery.

REFERENCES

- Deap, L., Degen, P. and van Zalinge N.P. (2003) *Fishing Gears of the Cambodian Mekong*.Mekong River Commission, the Cambodian Department of Fisheries and Danida: Phnom Penh.Mekong Fish Database. (2003) (Version 1.1)
- Ngor, P.B., Aun, S., Deap, L., and Hortle, K.G. (2005) *The Dai Trey Linh fisheries of the Tonle Rouch (Touch River), southeast Cambodia.* In: Burnhill T.J. and Hewitt M.M. (eds). 2005.
 Proceedings of the 6th Technical Symposium on Mekong Fisheries, 26th–28th November 2003.
 MRC Conference Series No.5. Mekong River Commission, Vientiane. 194 pp. ISSN: 1681-7613
- Stamatopoulos, C. and Jarrett (2000) *The Microcomputer System for the Statistical Monitoring of Artisanal Fisheries*. MRC/DoF/Danida Project for the Management of the Freshwater Capture Fisheries: Phnom Penh.
- Welcomme, R. L. (1985) *River fisheries*. FAO Fisheries Technical Paper 262. Food and Agriculture Organisation of the United Nation: Rome.

APPENDICES

Location	North end	East end
1A	N11°19.623'	E105°17.671'
1B	N11°15.488'	E105°18.646'
1C	N11°13.596'	E105°19.251'
1D	N11°10.597'	E105°18.465'
1E	N11°06.496'	E105°18.261'
1F	N11°06.166'	E105°16.346'
1G	N11°05.057'	E105°15.361'
1H	N11°03.148'	E105°14.478'
1I	N11°01.707'	E105°14.778'
1J	N10°59.900'	E105°15.451'
1K	N10°58.377'	E105°14.634'
1L	N10°57.422'	E105°15.118'
1M	N10°54.562'	E105°15.952'

Appendix 1: Coordinates of Dai Bongkong location

No	Khmer name	Scientific name		Month		Tota	ıl
			Oct	Nov.	Dec.	Catch	%
1	Khnang veng	Labiobarbus kuhli	30,560	61	18	30,639	24.33
2	Khlang hai	Belodontichthys truncatus	10,121	1,467	101	11,689	9.28
3	Pruol/kralang	Cirrhinus microlepis	7,984	118	11	8,113	6.44
4	Chra keng	Puntioplites waandersi	4,661	715	134	5,510	4.38
5	Kaek	Labeo chrysophekadion	4,434	549	77	5,060	4.02
6	Sanday	Wallago attu	3,210	989	56	4,255	3.38
7	Kanhchrouk chhnot	Botia helodes	3,928	293	4	4,225	3.36
8	Riel awng kam	Cirrhinus lobatus	3,894	48	9	3,951	3.14
9	Krom	Osteochilus melanopleura	3,164	487	25	3,676	2.92
10	Chhkok	Cyclocheilichthys enoplos	3,227	390	23	3,640	2.89
11	Chhpin	Hypsibarbus lagleri	2,980	397	36	3,413	2.71
12	Ros/ptuok	Channa triata	536	2,335	281	3,152	2.50
13	Arch kok	Labiobarbus siamensis	2,521	137	8	2,666	2.12
14	Chhlanhg	Hemibagrus spilopterus	1,060	926	127	2,113	1.68
15	Andat chhke	Cynoglossus feldmanni	1,015	799	168	1,982	1.57
16	Kanhchrouk	Botia morleti	1,848	3	1	1,852	1.47
17	Changwa chunchuok	Crossocheilus reticulatus	1,397	253	1	1,651	1.31
18	Khchoueng	Macrognathus maculatus	967	557	72	1,596	1.27
19	Bongkong	Macrobrachium rosenbergii	782	661	88	1,531	1.22
20	Kes prak	Kryptopterus limpok	1,410	48	4	1,462	1.16
21	Kray	Chitala ornata	1,147	260	9	1,416	1.12
22	Riel tob	Cirrhinus siamensis	1,279	50	20	1,349	1.07
23	Kampoul bay	Cosmochilus harmandi	272	742	126	1,140	0.91
24	Kes	Micronema apogon	452	594	79	1,125	0.89
25	Kampot	Tetraodontidae sp.	642	457	20	1,119	0.89
26	Pra	Pangasianodon hypophthalmus	1,075	16	4	1,095	0.87
27	Ruschek	Acantopsis sp.	886	114	16	1,016	0.81
28	Kray	Chitala blanci	83	797	93	973	0.77
29	Sloeuk russey	Paralaubuca typus	927	9	1	937	0.74
30	Po	Pangasius larnaudii	632	132	7	771	0.61
31	Bandol ampoav	Clupeichthys sp.	166	525	78	769	0.61
32	Ampil tum	Systomus orphoides	449	210	60	719	0.57
33	Kulreang/kahor	Catlocarpio siamensis	636	1	1	638	0.51
34	Slat	Notopterus notopterus	427	170	33	630	0.50
35	Chra keng	Puntioplites falcifer	45	493	50	588	0.47
36	KAHe loeung	Barbodes schwanenfeldii	472	85	19	576	0.46
37	Kes	Kryptopterus micronema	97	351	96	544	0.43
38	Chhveat	Pangasius macronema	179	275	9	463	0.37
39	ANDAt chhke	Cynoglossus punticeps	179	204	32	415	0.33
40	Changwa moul	Rasbora aurotaenia	332	9	1	342	0.27
41	Khchoueng	Mastaecembelus favus	275	52	2	329	0.26
42	Linh	Thynnichthys thynnoides	202	120	1	323	0.26
43	Sloeuk russey	Oxygaster anomalura	311	0	0	311	0.25
44	Kros	Osteochilus hasseltii	219	83	1	303	0.24
45	KANTROrb	Pristolepis fasciata	37	243	10	290	0.23

Appendix 2: Total catch (Kg) by species by months for Dai Bongkong fishery Prey Veng Province (October to December, 2004)

No	Khmer name	Scientific name		Month		Tota	1
			Oct	Nov.	Dec.	Catch	%
46	Kahe krorhorm	Barbodes altus	99	174	12	285	0.23
47	Phkar kor	Cirrhinus prosemion	266	17	1	284	0.23
48	Lolork sor	Osteochilus schlegeli	266	0	0	266	0.21
49	Khman	Hampala macrolepidota	216	19	13	248	0.20
50	Chhpin	Hypsibarbus malcolmi	207	21	9	237	0.19
51	Dang khteng	Macrochirichthys macrochirus	207	21	9	237	0.19
52	Kanhchos	Mystus wolffi	229	1	1	231	0.18
53	Kranh	Anabas testudineus	201	16	3	220	0.17
54	Andat chhke	Achiroides leucorhynchos	1	181	33	215	0.17
55	Kamphliev	Kryptopterus hexapterus	34	176	5	215	0.17
56	Andat chhke	Synaptura marginata	58	59	39	156	0.12
57	Kambot chramos	Amblyrhynchichthys truncatus	49	90	5	144	0.11
58	Kamphleanh phluk	Trichogaster microlepis	143	0	0	143	0.11
59	Chhdor/diep	Channa micropeltes	127	12	0	139	0.11
60	Kanhchrouk loeung	Botia lecontei	60	71	0	131	0.10
61	Chun chouk dai /smok	Gyrinocheilus spp.	74	53	2	129	0.10
62	Chhveat	Pangasius polyuranodon	62	55	10	127	0.10
63	Chhpin prak	Barbodes gonionotus	107	1	0	108	0.09
64	Khman	Hampala dispar	74	10	13	97	0.08
65	Kanhchrouk krahorm	Botia modesta	14	79	3	96	0.08
66	Chanteas phluk	Parachela williaminae	71	4	1	76	0.06
67	KANHCHOs kdaong	Heterobagrus bocourti	3	59	13	75	0.06
68	Kantrang preng	Parambassis wolffii	30	38	5	73	0.06
69	Chhlonh	Macrognathus siamensis	39	29	2	70	0.06
70	Changwa nonong	Lobocheilos quadrilineatus	17	51	0	68	0.05
71	Kes	Micronema bleekeri	44	19	4	67	0.05
72	Kul chek	Epalzeorhynchos frenatum	67	0	0	67	0.05
73	Andeng tun	Clarias meladerma	45	18	1	64	0.05
74	Kanhchos bay	Mystus albolineatus	1	42	19	62	0.05
75	Andeng tun	Clarias macrocephalus	13	40	6	59	0.05
76	Kanhchrouk	Botia beauforti	10	40	6	56	0.04
77	Khchoueng	Macrognathus taeniagaster	37	7	12	56	0.04
78	Sraka kdam	Cyclocheilichthys lagleri	6	29	16	51	0.04
79	Kamphliev stoeung	Kryptopterus cheveyi	47	1	0	48	0.04
80	Damrey	Oxyeleotris marmorata	7	27	8	42	0.03
81	Kaok	Hemipimelodus bicolor	14	19	6	39	0.03
82	Kamphliev	Kryptopterus moorei	34	2	1	37	0.03
83	Chanteas phluk	Parachela siamensis	28	6	0	34	0.03
84	Carp sor	Silver carp	10	20	1	31	0.02
85	Andat chhke	Brachirus panoides	24	5	1	30	0.02
86	Andeng roeung	Clarias batrachus	0	10	20	30	0.02
87	Kanhchos chhnot	Mystus mysticetus	2	27	1	30	0.02
88	Pra khchoa	Pangasius bocourti	17	8	3	28	0.02
89	Andat chhke	Brachirus harmandi	6	15	4	25	0.02
90	Khsan	Channa gachua	9	14	2	25	0.02
91	Kanh chanh chras thom	Parambassis apogonoides	4	12	8	24	0.02
92	Kanhchos	Mystus singaringan	2	15	7	24	0.02

No	Khmer name	Scientific name		Month		Tota	.1
			Oct	Nov.	Dec.	Catch	%
93	Kanhchos chhnot	Mystus atrifasciatus	8	14	2	24	0.02
94	Antong	Ophisternon bengalense	0	10	13	23	0.02
95	Kanhchos krawbey	Glyptothorax fuscus	0	16	7	23	0.02
96	Kanhchos thmor	Leiocassis siamensis	3	16	4	23	0.02
97	Prama	Boesemania microlepis	14	9	0	23	0.02
98	Kampeus	<i>Caridea</i> spp.	4	12	4	20	0.02
99	Chanteas phluk	Parachela maculicauda	3	16	0	19	0.02
100	Kanhchos chhnot	Mystus multiradiatus	8	10	1	19	0.02
101	Chek tum	Bagrichthys macracanthus	12	5	1	18	0.01
102	Kaok	Hemipimelodus borneensis	2	13	2	17	0.01
103	Kros	Osteochilus lini	3	11	3	17	0.01
104	Pava mokmuoy	Labeo dyocheilus	1	15	1	17	0.01
105	Chhkok tituy	Albulichthys albuloides	16	0	0	16	0.01
106	Kros	Osteochilus waandersii	0	4	12	16	0.01
107	Phtinh	Hyporhamphus limbatus	16	0	0	16	0.01
108	Changwa chhnot	Rasbora espei	0	14	0	14	0.01
109	Khla /bey kamnat	Systomus partipentazona	14	0	0	14	0.01
110	Pra /bonglao	Pangasius krempfi	1	12	1	14	0.01
111	Trasork	Probarbus jullieni	14	0	0	14	0.01
112	Pra kandol	Helicophagus waandersi	2	7	4	13	0.01
113	Ta aun	Ompok hypophthalmus	3	2	8	13	0.01
114	Changwa chhnot	Boraras urophthalmoides	7	4	1	12	0.01
115	Andat chhke	Brachirus orientalis	4	3	4	11	0.01
116	Phkar kor/chhnot	Cirrhinus molitorella	10	0	0	10	0.01
117	Carp samanh	Cyprinus carpio	6	2	1	9	0.01
118	Kbork	Tenualosa thibaudeaui	4	3	1	8	0.01
119	Pror lung/chrawlang	Leptobarbus hoevenii	8	0	0	8	0.01
120	Andeng tunle	Plotosus canius	6	0	1	7	0.01
121	Changwa chhnot	Rasbora paviei	6	0	1	7	0.01
122	Changwa phlieng	Esomus longimana	0	7	0	7	0.01
123	Chhmar	Setipinna melanochir	1	6	0	7	0.01
124	Krormorm	Ompok bimaculatus	2	4	1	7	0.01
125	Kamphliev	Kryptopterus schilbeides	4	2	0	6	0.00
126	Kampream	Polynemus multifilis	4	2	0	6	0.00
127	Phtong	Xenentodon cancila	0	6	0	6	0.00
128	Po pruy	Pangasius sanitwongsei	5	1	0	6	0.00
129	Sloeuk russey	Paralaubuca barroni	0	5	1	6	0.00
130	Bang kuoy	Luciosoma bleekeri	3	2	0	5	0.00
131	Chhkok phleung	Cyclocheilichthys furcatus	3	2	0	5	0.00
132	Kamphliev khlanh	Kryptopterus cryptopterus	0	5	0	5	0.00
133	Angkat prak	Puntius aurotaeniatus	4	0	0	4	0.00
134	Changwa nonong	Lobocheilos davisi	3	1	0	4	0.00
135	Angkat prak	Puntius brevis	0	0	3	3	0.00
136	Antong	Monopterus albus	1	1	1	3	0.00
137	Changwa	Rasbora hobelmani	1	2	0	3	0.00
138	Sloeuk russey	Paralaubuca harmandi	1	2	0	3	0.00
139	Sraka kdam	Cyclocheilichthys apogon	0	1	2	3	0.00

No	Khmer name	Scientific name		Month		Tota	al
			Oct	Nov.	Dec.	Catch	%
140	Andeng ngaing	Clarias nieuhofi	0	0	2	2	0.00
141	Chhpin	Hypsibarbus pierrei	0	2	0	2	0.00
142	Chhpin krahorm	Hypsibarbus wetmorei	0	0	2	2	0.00
143	Kanhcheak sla	Toxotes chatareus	1	1	0	2	0.00
144	Kaok	Arius caelatus	1	1	0	2	0.00
145	Keat srorng	Balantiocheilos melanopterus	0	0	2	2	0.00
146	Chanluon moan	Coilia lindmani	0	1	0	1	0.00
147	Chhkok pokmoat bey	Cyclocheilichthys heteronema	1	0	0	1	0.00
148	Kamphleanh samrei	Trichogaster trichopterus	0	1	0	1	0.00
149	Kanhchorn chey	Channa lucius	1	0	0	1	0.00
150	Khya	Mystus wycki	0	1	0	1	0.00
151	Kros	Osteochilus microcephalus	0	1	0	1	0.00
152	Sloeuk russey	Paralaubuca riveroi	1	0	0	1	0.00
153	Sraka kdam	Cyclocheilichthys repasson	1	0	0	1	0.00
154	Trasork sor	Probarbus labeamajor	0	1	0	1	0.00
	Total		104,414	19,094	2,403	125,911	100.00

Ma	V1	S ai antifa mana		Months		Tota	ıl
No	Khmer name	Scientific name	Oct.	Nov.	Dec.	Value	%
1	Bongkong	Macrobrachium rosenbergii	19,819	21,385	2,879	44,083	21.21
2	Khlang hai	Belodontichthys truncatus	29,528	3,054	211	32,793	15.78
3	Khnang veng	Labiobarbus kuhli	15,440	39	10	15,489	7.45
4	Ros/ptuok	Channa triata	1,352	7,567	1,042	9,961	4.79
5	Sanday	Wallago attu	7,152	2,410	152	9,713	4.67
6	Chhpin	Hypsibarbus lagleri	6,974	986	74	8,033	3.87
7	Pruol/kralang	Cirrhinus microlepis	7,695	129	8	7,832	3.77
8	Khchoueng	Macrognathus maculatus	3,434	2,852	374	6,660	3.20
9	Kes prak	Kryptopterus limpok	5,600	123	12	5,735	2.76
10	KRAY	Chitala blanci	528	4,551	554	5,633	2.71
11	Chra keng	Puntioplites waandersi	5,008	497	78	5,583	2.69
12	Kray	Chitala ornata	3,074	792	14	3,880	1.87
13	Andat chhke	Cynoglossus feldmanni	1,584	1,861	383	3,828	1.84
14	Chhlanhg	Hemibagrus spilopterus	1,532	1,799	231	3,563	1.71
15	Krom	Osteochilus melanopleura	2,320	849	23	3,191	1.54
16	Kanhchrouk chhnot	Botia helodes	2,558	378	5	2,940	1.42
17	Kes	Micronema apogon	1,163	1,511	218	2,892	1.39
18	Kaek	Labeo chrysophekadion	2,342	357	55	2,754	1.33
19	Chhkok	Cyclocheilichthys enoplos	1,911	399	18	2,329	1.12
20	Pra	Pangasianodon hypophthalmus	2,267	16	3	2,286	1.10
21	Ruschek	Acantopsis sp.	1,960	246	50	2,255	1.09
22	Riel awng kam	Cirrhinus lobatus	2,192	24	9	2,225	1.07
23	Kampot	Tetraodontidae sp	861	925	36	1,822	0.88
24	Slat	Notopterus notopterus	916	542	75	1,532	0.74
25	Arch kok	Labiobarbus siamensis	1,296	155	2	1,453	0.70
26	Khchoueng	Mastaecembelus favus	1,172	235	10	1,417	0.68
27	Kes	Kryptopterus micronema	356	669	231	1,255	0.60
28	Kanhchrouk	Botia morleti	1,220	4	1	1,226	0.59
29 20	Po	Pangasius larnaudii	881	238	9	1,128	0.54
30	Ampil tum Andat chhke	Systomus orphoides	618	324	45	987	0.47
31 32	Anaat chnke Changwa chunchuok	Cynoglossus punticeps Crossocheilus reticulatus	323 703	451 117	75 0	850 820	0.41 0.39
33	Riel tob	Cirrhinus siamensis	663	117	12	820 790	0.39
33	Kampoul bay	Cosmochilus harmandi	164	549	75	790	0.38
35	Chra keng	Puntioplites falcifer	46	537	121	704	0.34
36	Sloeuk russey	Paralaubuca typus	479	5	121	484	0.23
37	Chhveat	Pangasius macronema	94	369	9	471	0.23
38	Kantrorb	Pristolepis fasciata	53	397	14	463	0.23
39	Andat chhke	Achiroides leucorhynchos	0	335	68	403	0.22
40	Chhpin	Hypsibarbus malcolmi	360	30	11	401	0.19
41	Kahe loeung	Barbodes schwanenfeldii	297	69	11	377	0.19
42	Kulreang/kahor	Catlocarpio siamensis	361	0	1	362	0.10
43	Andat chhke	Synaptura marginata	111	124	106	341	0.17
44	Bandol ampoav	Clupeichthys Sp.	94	215	100	322	0.15
45	Kros	Osteochilus hasseltii	192	116	12	308	0.15

Appendix 3: Total sale price (R1000s) by species by months for Dai Bangkong fishery Prey Veng Province (October to Dec, 2004)

		a		Months		Tota	ıl
No	Khmer name	Scientific name	Oct.	Nov.	Dec.	Value	%
46	Khchoueng	Macrognathus taeniagaster	179	34	72	285	0.14
47	Kamphliev	Kryptopterus hexapterus	30	200	10	240	0.12
48	Kahe krorhorm	Barbodes altus	81	140	15	236	0.11
49	Kanhchrouk loeung	Botia lecontei	68	135	0	203	0.10
50	Kes	Micronema bleekeri	112	71	13	196	0.09
51	Changwa moul	Rasbora aurotaenia	190	4	2	196	0.09
52	Lolork sor	Osteochilus schlegeli	189	0	0	189	0.09
53	Linh	Thynnichthys thynnoides	97	78	2	177	0.08
54	Khman	Hampala dispar	117	16	39	172	0.08
55	Kranh	Anabas testudineus	144	16	4	163	0.08
56	Dang khteng	Macrochirichthys macrochirus	139	14	7	160	0.08
57	Chhdor/diep	Channa micropeltes	103	54	0	157	0.08
58	Sloeuk russey	Oxygaster anomalura	150	0	0	150	0.07
59	Kanhchrouk krahorm	Botia modesta	10	132	4	147	0.07
60	Chhlonh	Macrognathus siamensis	61	78	5	144	0.07
61	Phkar kor	Cirrhinus prosemion	133	7	1	141	0.07
62	Chhveat	Pangasius polyuranodon	60	57	14	130	0.06
63	Khman	Hampala macrolepidota	86	27	8	121	0.06
64	Carp sor	Silver carp	46	66	1	113	0.05
65	Chhpin prak	Barbodes gonionotus	109	0	0	109	0.05
66	Andeng tun	Clarias macrocephalus	10	83	14	106	0.05
67	Damrey	Oxyeleotris marmorata	9	72	22	103	0.05
68	Kanhchos	Mystus wolffi	101	1	1	102	0.05
69	Andeng tun	Clarias meladerma	48	51	1	100	0.05
70	Kambot chramos	Amblyrhynchichthys truncatus	26	51	8	85	0.04
71	Kul chek	Epalzeorhynchos frenatum	83	0	0	83	0.04
72	Kantrang preng	Parambassis wolffii	29	42	5	77	0.04
73	Antong	Ophisternon bengalense	0	38	38	77	0.04
74	Andeng roeung	Clarias batrachus	0	21	55	76	0.04
75	Kamphleanh phluk	Trichogaster microlepis	68	0	0	68	0.03
76	Kanhchos kdaong	Heterobagrus bocourti	2	53	13	67	0.03
77	Chun chouk dai /smok	Gyrinocheilus spp.	34	32	1	66	0.03
78	Kanhchrouk	Botia beauforti	9	36	15	60	0.03
79	Andat chhke	Brachirus harmandi	18	19	9	47	0.02
80	Chanteas phluk	Parachela siamensis	20	25	0	45	0.02
81	Chanteas phluk	Parachela williaminae	38	3	3	44	0.02
82	Kanhchos bay	Mystus albolineatus	1	32	10	43	0.02
83	Changwa nonong	Lobocheilos quadrilineatus	7	28	0	35	0.02
84	Kampeus	Caridea	2	26	6	34	0.02
85	Andat chhke	Brachirus panoides	21	9	3	33	0.02
86	Chanteas phluk	Parachela maculicauda	1	29	0	31	0.01
87	Khla /bey kamnat	Systomus partipentazona	28	0	0	28	0.01
88	Prama	Boesemania microlepis	13	15	0	28	0.01
89	Sraka kdam	Cyclocheilichthys lagleri	3	15	8	26	0.01
90	Kamphliev stoeung	Kryptopterus cheveyi	24	1	0	25	0.01
91	Kamphliev	Kryptopterus moorei	21	1	2	24	0.01
92	Pra khchoa	Pangasius bocourti	9	11	3	23	0.01
93	Kaok	Hemipimelodus bicolor	7	10	3	20	0.01

No Khmer name Scientific name Oct. Nov. Dec. Value % 94 Kanhchos chhnot Mystus mysticetus 1 18 1 20 0.01 95 Prark mokmuoy Labee dyocheitas 1 17 1 18 0.01 96 Pra /honglao Pangaštus krempfi 1 1 1 18 0.01 97 Kankchos thmor Leicocastis siamensis 1 11 6 18 0.01 98 Andat chhke Brachinso orientalis 6 5 6 17 0.01 100 Kankchos krawbey Gippothorac fiscus 0 9 8 17 0.01 103 Kanhchos chhnot Mystus arifasciatus 4 1 1 14 0.01 104 Chhnar Setiptima melanochir 2 12 0.14 0.01 105 Khsan Channa gachua 4 7 1 12 0.01					Months		Tota	1
95 Pava moknuoy Labeo dyocheilus 1 17 1 18 0.01 96 Pra /bonglao Pargosius krempfi 1 17 1 18 0.01 97 Kankhos thmor Leiocassi siamensis 1 11 6 18 0.01 98 Andat chhke Brachirus orientalis 6 5 6 17 0.01 100 Kankhos kravebey Glyptothorx fisc: 0 9 8 17 0.01 101 Phtinh Dyporhamphus limbatus sp 16 0 0 16 0.01 102 Ta aun Ompok hypophthalmus 3 3 10 15 0.01 103 Kankhos chhnor Mysutus singaringan 1 8 4 12 0.01 105 Khsan Chama gacihua 4 3 5 12 0.01 106 Kankhos Mysutus singaringan 1 8 4 12 0.01	No	Khmer name	Scientific name	Oct.		Dec.		
96 Pra /bonglao Pangastius krempfi 1 17 1 18 0.01 97 Kanhchos thmor Leicocassis siamensis 1 11 6 18 0.01 98 Andat chhke Brachiros orientalis 6 5 6 17 0.01 100 Kaok Hemipinelodus borneensis 1 12 4 17 0.01 101 Phithh Hyporhamphus linhabras sp 16 0 0 16 0.01 102 Ta aun Ompok hypophthalmus 3 3 10 15 0.01 103 Kanhchos chhnot Mystus singaringan 1 8 4 12 0.01 105 Khsan Channa gachua 4 3 5 12 0.01 106 Kanhchos Mystus singaringan 1 8 4 12 0.01 104 Chhona Bagrichiys macracanthus 5 6 1 12 0.01 <t< td=""><td>94</td><td>Kanhchos chhnot</td><td>Mystus mysticetus</td><td>1</td><td>18</td><td>1</td><td>20</td><td>0.01</td></t<>	94	Kanhchos chhnot	Mystus mysticetus	1	18	1	20	0.01
96 Pra /bonglao Pangasius krempfi 1 17 1 18 0.01 97 Kanhchos thmor Leicocassis siamensis 1 11 6 18 0.01 97 Kaok Hemipimelodus borneensis 1 12 4 17 0.01 100 Kaok Hemipimelodus borneensis 1 12 4 17 0.01 101 Phithh Hypothorac fiscus 0 9 8 16 0.0 16 0.01 102 Ta aun Ompok hypophthalmus 3 3 10 15 0.01 103 Kanhchos chhnot Mystus singaringan 1 8 4 12 0.01 104 Chhmar Setpinian melanochir 2 12 0.01 14 0.01 105 Khsan Channa gachua 4 3 5 12 0.01 104 Chhons Bageinhys macracanhus 5 6 1 12	95	Pava mokmuoy		1		1	18	0.01
97 Kanhchos thmor Letocassis stamensis 1 11 6 18 0.01 98 Andat chhke Brachirus orientalis 6 5 6 17 0.01 100 Kankchos krawbey Glyptothorax fuscus 0 9 8 17 0.01 101 Phinh Hyporhampius limbatus sp 16 0 0 16 0.01 103 Kanchos chhnot Mystus atrifasciatus 4 10 1 14 0.01 104 Chinan gachua 4 7 1 12 0.01 105 Kisan Channa gachua 4 3 5 12 0.01 106 Karomorn Omopterus albus 4 3 5 12 0.01 108 Koromorn Omopterus albus 4 3 5 2 0.01 108 Kros Osteochlus lini 1 6 2 10 0.00 111 Kamphilev khlanh Krystos multiradiatus 3 5 2 9 0.00 <t< td=""><td>96</td><td>-</td><td></td><td>1</td><td>17</td><td>1</td><td>18</td><td>0.01</td></t<>	96	-		1	17	1	18	0.01
99 Kaok Hemipinelodus borneensis 1 12 4 17 0.01 100 Kanhchos krawbey Glyptothorar, fixeus 0 9 8 17 0.01 101 Phinh Hyporhamphic limbatus sp 16 0 16 0.01 103 Kanhchos chhnot Mystus atrifasciatus 4 10 1 14 0.01 104 Chhmar Setipinna melanochir 2 12 0 14 0.01 105 Khsan Channa gachua 4 7 1 12 0.01 106 Kormorn Onpoterus albus 4 3 5 12 0.01 108 Kormorn Onpoterus albus 4 4 1 1 0 10 0 10 0 10 0.00 110 Chek tum Bagrichthys macracanthus 6 4 1 1 1 0 0 0.00 0 10 0.00 11	97	-		1	11	6	18	0.01
100 Kanhchos krawbey Glyptothorax fuscus 0 9 8 17 0.01 101 Phitnh Hyporhampinus limbatus sp 16 0 0 15 0.01 103 Kanhchos chhnot Mystus atrifasciatus 4 10 1 14 0.01 104 Chhmar Setipinna melanochir 2 12 0 14 0.01 105 Khsan Channa gachua 4 7 1 12 0.01 106 Kanhchos Mystus singaringan 1 8 4 12 0.01 107 Antong Monopterus alhus 4 3 5 12 0.01 108 Krorrorn Ompok binaculatus 5 6 1 12 0.00 110 Chek um Bagrichthys macracanthus 6 4 1 1 0.00 112 Kros Osteochilus lini 1 6 2 10 0.00 11	98	Andat chhke	Brachirus orientalis	6	5	6	17	0.01
101 Phtinh Hyporhamphus limbatus sp 16 0 0 16 0.01 102 Ta un Ompok hypophthalmus 3 3 10 15 0.01 103 Kankchos chhnot Mystus atrifasciatus 4 1 1 4 0.01 105 Kankchos chhnot Mystus singaringan 1 8 4 1.2 0.01 106 Kankchos Mystus singaringan 1 8 4 1.2 0.01 107 Antong Monopterus albus 4 3 5 1.2 0.01 108 Krormorm Ompok binaculatus 5 6 1 1.2 0.01 109 Phtong Xenentodon cancila sp 0 10 0 0 0.00 111 Kamphiev khlanh Kryptopterus cryptopterus 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0	99	Kaok	Hemipimelodus borneensis	1	12	4	17	0.01
101 Phtinh Hyporhamphus limbatus sp 16 0 0 16 0.01 102 Ta un Ompok hypophthalmus 3 3 10 15 0.01 103 Kankchos chhnot Mystus atrifasciatus 4 1 1 4 0.01 105 Kankchos chhnot Mystus singaringan 1 8 4 1.2 0.01 106 Kankchos Mystus singaringan 1 8 4 1.2 0.01 107 Antong Monopterus albus 4 3 5 1.2 0.01 108 Krormorm Ompok binaculatus 5 6 1 1.2 0.01 109 Phtong Xenentodon cancila sp 0 10 0 0 0.00 111 Kamphiev khlanh Kryptopterus cryptopterus 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100	Kanhchos krawbey	•	0	9	8	17	0.01
102 Ta aun Ompok hypophthalmus 3 3 10 15 0.01 103 Kanhchos chhnot Mystus sturigasciatus 4 10 1 14 0.01 104 Chimar Setipina melanochir 2 12 0 14 0.01 105 Kisan Chama gachua 4 7 1 12 0.01 106 Kanchos Mystus singaringan 1 8 4 12 0.01 107 Antong Monopterus albus 4 3 5 12 0.01 108 Koromor Ompok binaculatus 5 6 1 11 0.0 10 0.00 111 Kamphiev khlanh Kryptopterus cryptopterus 0 10 0.00 10 0.00 114 Carp samanh Cyprinus carpio 6 2 1 9 0.00 115 Changwa chhnot Rasbora espei 0 9 0.00 114	101			16	0	0	16	0.01
103 Kanhchos chhnot Mystus atrifasciatus 4 10 1 14 0.01 104 Chmar Setipinna melanochir 2 12 0 14 0.01 105 Khsan Chana gachua 1 8 4 12 0.01 106 Kanhchos Mystus singaringan 1 8 4 12 0.01 107 Antong Monopterus albus 4 3 5 12 0.01 108 Krormorm Ompok binaculatus 5 6 1 12 0.01 101 Chek tum Bagrichthys macracanthus 6 4 1 11 0.00 111 Kamhchos chhnot Mystus multiradiatus 3 5 2 9 0.00 113 Kanhchos chhnot Rasbora espei 0 9 0.00 11 116 Anderg tunle Plotosus cantus 6 0 3 9 0.00 117 <td< td=""><td>102</td><td>Ta aun</td><td></td><td>3</td><td>3</td><td>10</td><td>15</td><td>0.01</td></td<>	102	Ta aun		3	3	10	15	0.01
104 Chamar Setipinna melanochir 2 12 0 14 0.01 105 Khsan Channa gachua 4 7 1 12 0.01 106 Kanchos Mystus singaringan 1 8 4 12 0.01 107 Antong Monopterus albus 4 3 5 12 0.01 108 Krormorm Ompok bimaculatus 5 6 1 12 0.01 109 Phrong Xenentodon cancila sp 0 10 0 10 0.00 111 Kamphliev khlanh Kryptopterus cryptopterus 0 10 0 0.00 112 Kros Osteochilus lini 1 6 2 10 0.00 113 Kanchos chhnot Mystus multiradiatus 3 5 2 2 9 0.00 115 Changwa chhnot Rasbora espei 0 9 0.00 11 A 9 0.000 </td <td>103</td> <td>Kanhchos chhnot</td> <td></td> <td>4</td> <td>10</td> <td>1</td> <td>14</td> <td>0.01</td>	103	Kanhchos chhnot		4	10	1	14	0.01
105 Khsan Channa gachua 4 7 1 12 0.01 106 Kankchos Mystus singaringan 1 8 4 12 0.01 107 Antong Monopterus albus 4 3 5 12 0.01 108 Kormorn Ompok binaculatus 5 6 1 12 0.01 100 Chek tum Bagrichthys macracanthus 6 4 1 11 0.00 111 Kamphliev khlanh Kryptopterus cryptopterus 0 10 0 0.00 112 Kros Osteochilus lini 1 6 2 10 0.00 113 Kanhchos chhnot Mystus singaringan 3 5 2 9 0.00 114 Carp samanh Cyprinus carpio 6 2 1 9 0.00 116 Andeng tunle Plotosus canius 6 0 3 9 0.00 116 Antan	104	Chhmar		2	12	0	14	0.01
106 Kanhchos Mystus singaringan 1 8 4 12 0.01 107 Antong Monopterus albus 4 3 5 12 0.01 108 Krormorm Ompok binaculatus 5 6 1 12 0.01 109 Phong Xenentodon cancila sp 0 12 0 12 0.01 110 Chek turn Bagrichthys macracanthus 6 4 1 11 0.01 111 Kanshchos chhnot Mystus sinuliriadiatus 3 5 2 9 0.000 113 Kanhchos chhnot Mystus sinuliriadiatus 3 5 2 9 0.000 114 Carp samanh Cyprinus carpio 6 2 1 9 0.00 115 Kanhot Rasbora espei 0 9 0.00 116 Andeng tunle Plotosus canius 6 0 3 9 0.00 117 Po pruy	105	Khsan		4	7	1	12	0.01
107 Antong Monopterus albus 4 3 5 12 0.01 108 Krormorm Ompok binaculatus 5 6 1 12 0.01 109 Phtong Xenentodon cancila sp 0 12 0 0 10 0 10 0.01 110 Chek tum Bagrichthys macracanthus 6 4 1 11 0.00 111 Kamphliev khlanh Kryptopterus cryptopterus 0 10 0 10 0.00 112 Kros Osteochilus lini 1 6 2 19 0.00 113 Kanhchos chhnot Mystus multiradiatus 3 5 2 9 0.00 114 Carp samanh Cyprinus carpio 6 0 3 9 0.00 115 Changwa chhnot Rasbora espei 0 9 0.00 0.00 118 119 Changwa phlieng Esomus longinana 0 8 0 0 8 0.00 120 Kros Osteochilus waandersti		Kanhchos		1	8	4	12	0.01
108 Krornorm Ompok bimaculatus 5 6 1 12 0.01 109 Phtong Xenentodon cancila sp 0 12 0.01 10 0 10 0 10 0.01 110 Chek tum Bagrichthys macracanthus 6 4 1 11 0.00 111 Kamphiev khlanh Kryptopterus cryptopterus 0 10 0 0.00 113 Kanhchos chhnot Mystus multiradiatus 3 5 2 9 0.00 114 Carp samanh Cyprinus carpio 6 2 1 9 0.00 115 Changwa chhnot Rasbora espei 0 9 0.00 117 Po pray Pangasius sanitwongsei 5 2 2 9 0.00 118 Pra kandol Helicophagus waandersii 0 8 0 0 8 0.00 120 Kros Osteochilus waandersii 0 2 8 0.00	107	Antong		4	3	5	12	0.01
109 Phong Xenentodon cancila sp 0 12 0 12 0.01 110 Chek tum Bagrichthys macracanthus 6 4 1 11 0.01 111 Kamphliev khlanh Kryptopterus cryptopterus 0 10 11 1 4 0 0 0 0 1 1 1 4 1 0 0 0 1 1 1 1 1 0 0 0 1 1 1 0		-	•	5		1	12	
110 Chek tum Bagrichthys macracanthus 6 4 1 11 0.01 111 Kamphliev khlanh Kryptopterus cryptopterus 0 10 0 10 0.00 112 Kros Osteochilus lini 1 6 2 10 0.00 113 Kanhchos chhnot Mystus multiradiatus 3 5 2 9 0.00 114 Carp samanh Cyprinus carpio 6 2 1 9 0.00 115 Changwa chhnot Rasbora espei 0 9 0 9 0.00 116 Andeng tunle Plotosus canius 6 0 3 9 0.00 117 Po pray Pangasius sanitwongsei 5 2 2 9 0.00 118 Pra kandol Helicophagus wandersii 0 8 0.00 12 Kros 0.00 12 Kros 0.00 12 Kros 0.00 12 Kros 0.00 12 1 6 0.00 12 12 Khandhann Hypsibat		Phtong		0	12	0	12	0.01
111 Kamphliev khlanh Kryptopterus cryptopterus 0 10 0 10 0.00 112 Kros Osteochilus lini 1 6 2 10 0.00 113 Kanhchos chhnot Mystus multiradiatus 3 5 2 9 0.00 114 Carp samanh Cyprinus carpio 6 2 1 9 0.00 116 Andeng tunle Plotosus canius 6 0 3 9 0.00 116 Andeng tunle Plotosus canius 6 0 3 9 0.00 117 Po pruy Pangasius sanitwongsei 5 2 2 9 0.00 119 Changwa phlieng Esomus longimana 0 8 0 8 0.00 120 Kros Osteochilus waandersii 0 2 6 8 0.00 121 Sloeuk russey Paralaubuca barroni 0 6 2 8 0.00 <tr< td=""><td></td><td>-</td><td></td><td>6</td><td>4</td><td>1</td><td>11</td><td>0.01</td></tr<>		-		6	4	1	11	0.01
112 Kros Osteochilus lini 1 6 2 10 0.00 113 Kanhchos chhnot Mystus multiradiatus 3 5 2 9 0.00 114 Carp samanh Cyprinus carpio 6 2 1 9 0.00 115 Changwa chhnot Rasbora espei 0 9 9 0.00 116 Andeng tunle Plotosus canitus 6 0 3 9 0.00 116 Andeng tunle Plotosus canitus 6 0 3 9 0.00 117 Po pruy Pargasius sanitwongsei 5 2 2 9 0.00 118 Pra kandol Helicophagus waandersii 1 4 4 9 0.00 120 Kros Osteochilus waandersii 0 2 6 8 0.00 121 Sloeuk russey Paralaubuca barroni 0 6 2 8 0.00 122 Chhkok tituy Albulichthys albuloides 8 0 8 0.00	111	Kamphliev khlanh		0	10	0	10	0.00
113 Kanhchos chimot Mystus multiradiatus 3 5 2 9 0.00 114 Carp samanh Cyprinus carpio 6 2 1 9 0.00 115 Changwa chhnot Rasbora espei 0 9 0 9 0.00 115 Changwa chhnot Rasbora espei 0 9 0 9 0.00 116 Andeng tunle Plotosus canius 6 0 3 9 0.00 117 Po pruy Pangasius sanitwongsei 5 2 2 9 0.00 118 Pra kandol Helicophagus waandersi 1 4 4 9 0.00 120 Kros Osteochilus waandersii 0 2 6 8 0.00 121 Sloeuk russey Paralaubuca barroni 0 6 2 8 0.00 122 Chhpin krahorm Hypsibarbus wetmorei 0 0 8 8 0.00 123 Chakok tituy Albuichthys albuioides 8 0 0 8 <td></td> <td>*</td> <td></td> <td>1</td> <td></td> <td>2</td> <td></td> <td></td>		*		1		2		
114 Carp samanh Cyprinus carpio 6 2 1 9 0.00 115 Changwa chhnot Rasbora espei 0 9 0 9 0.00 116 Andeng tunle Plotosus canius 6 0 3 9 0.00 117 Po pruy Pangasius sanitwongsei 5 2 2 9 0.00 118 Pra kandol Helicophagus waandersi 1 4 4 9 0.00 119 Changwa phlieng Esomus longimana 0 8 0 8 0.00 120 Kros Osteochilus waandersii 0 2 6 8 0.00 121 Sloeuk russey Paralaubuca barroni 0 6 2 8 0.00 122 Chhpin krahorm Hypsibarbus wetmorei 0 0 8 8 0.00 123 Chagwa chhnot Boraras urophthalmoides 4 2 1 6 0.00 126 Kbork Tenualosa thibaudeaui 2 3 1 6		Kanhchos chhnot		3	5			
115 Changwa chhnot Rasbora espei 0 9 0 9 0.00 116 Andeng tunle Plotosus canius 6 0 3 9 0.00 117 Po pruy Pangasius sanitwongsei 5 2 2 9 0.00 118 Pra kandol Helicophagus waandersi 1 4 4 9 0.00 119 Changwa phlieng Esomus longimana 0 8 0 8 0.00 120 Kros Osteochilus waandersii 0 2 6 8 0.00 121 Sloeuk russey Paralaubuca barroni 0 6 2 8 0.00 122 Chhkok tituy Albulichthys albuloides 8 0 8 0.00 123 Chhkok tituy Albulichthys albuloides 4 2 1 6 0.00 124 Kanh chant chras thom Parambassis apogonoides 2 4 2 8 0.00 125 Changwa chhnot Rasbora paviei 4 0 2 6 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
116 Andeng tunle Plotosus canius 6 0 3 9 0.00 117 Po pruy Pangasius sanitwongsei 5 2 2 9 0.00 118 Pra kandol Helicophagus waandersi 1 4 4 9 0.00 119 Changwa phlieng Esomus longimana 0 8 0 8 0.00 120 Kros Osteochilus waandersii 0 2 6 8 0.00 121 Sloeuk russey Paralaubuca barroni 0 6 2 8 0.00 122 Chhkok tituy Albulichthys albuloides 8 0 0 8 8 0.00 123 Chhkok tituy Albulichthys albuloides 4 2 1 6 0.00 125 Changwa chhnot Boraras urophthalmoides 4 2 1 6 0.00 123 Chhkok tituy Albulichthys albuloides 4 0 2 6 0.00 124 Kanh chanh chras thom Parambassis apogonoides 2 <td></td> <td>•</td> <td></td> <td>0</td> <td>9</td> <td>0</td> <td></td> <td></td>		•		0	9	0		
117 Po ro Pangasius sanitwongsei 5 2 2 9 0.00 118 Pra kandol Helicophagus waandersi 1 4 4 9 0.00 119 Changwa phlieng Esomus longimana 0 8 0 8 0.00 120 Kros Osteochilus waandersii 0 2 6 8 0.00 121 Sloeuk russey Paralaubuca barroni 0 6 2 8 0.00 122 Chhpin krahorm Hypsibarbus wetmorei 0 0 8 8 0.00 123 Chhkok tituy Albulichthys albuloides 8 0 0 8 0.00 124 Kanh chanh chras thom Parambassis apogonoides 2 4 2 8 0.00 125 Changwa chhnot Boraras urophthalmoides 4 0 2 6 0.00 126 Kbork Tenualosa thibaudeaui 2 3 1 6 0.00 127 Changwa chhnot Rasbora paviei 4 0 <t< td=""><td></td><td></td><td>•</td><td>6</td><td></td><td>3</td><td></td><td></td></t<>			•	6		3		
118 Pra kandol Helicophagus waandersi 1 4 4 9 0.00 119 Changwa phlieng Esomus longimana 0 8 0 8 0.00 120 Kros Osteochilus waandersii 0 2 6 8 0.00 121 Sloeuk russey Paralaubuca barroni 0 6 2 8 0.00 122 Chhpin krahorm Hypsibarbus wetmorei 0 0 8 8 0.00 123 Chhkok tituy Albulichthys albuloides 8 0 0 8 0.00 124 Kanh chanh chras thom Parambassis apogonoides 2 4 2 8 0.00 125 Changwa chhnot Boraras urophthalmoides 4 0 2 6 0.00 126 Kbork Tenualosa thibaudeaui 2 3 1 6 0.00 127 Changwa chhnot Rasbora paviei 4 0 2 6 0.00 128 Trasork Probarbus jullieni 6 0			Pangasius sanitwongsei	5	2	2	9	
119 Changwa phlieng Esonus longimana 0 8 0 8 0.00 120 Kros Osteochilus waandersii 0 2 6 8 0.00 121 Sloeuk russey Paralaubuca barroni 0 6 2 8 0.00 122 Chhpin krahorm Hypsibarbus wetmorei 0 0 8 8 0.00 123 Chhkok tituy Albulichthys albuloides 8 0 8 0.00 124 Kanh chanh chras thom Parambassis apogonoides 2 4 2 8 0.00 125 Changwa chhnot Boraras urophthalmoides 4 2 1 6 0.00 126 Kbork Tenualosa thibaudeaui 2 3 1 6 0.00 127 Changwa chhnot Rasbora paviei 4 0 2 6 0.00 128 Trasork Probarbus jullieni 6 0 0 5 0.00 130 Keat srorng Balantiocheilos melanopterus 0 0 5	118			1	4	4	9	
120 Kros Osteochilus waandersii 0 2 6 8 0.00 121 Sloeuk russey Paralaubuca barroni 0 6 2 8 0.00 122 Chhpin krahorm Hypsibarbus wetmorei 0 0 8 8 0.00 123 Chhkok tituy Albulichthys albuloides 8 0 8 0.00 124 Kanh chanh chras thom Parambassis apogonoides 2 4 2 8 0.00 125 Changwa chhnot Boraras urophthalmoides 4 2 1 6 0.00 126 Kbork Tenualosa thibaudeaui 2 3 1 6 0.00 127 Changwa chhnot Rasbora paviei 4 0 2 6 0.00 128 Trasork Probarbus jullieni 6 0 0 5 0.00 130 Keat srorng Balantiocheilos melanopterus 0 0 5 0.00 131 Phkar kor/chhnot Cirrhinus molitorella 5 0 0 4 <td>119</td> <td></td> <td></td> <td>0</td> <td>8</td> <td>0</td> <td>8</td> <td></td>	119			0	8	0	8	
121 Sloeuk russey Paralaubuca barroni 0 6 2 8 0.00 122 Chhpin krahorm Hypsibarbus wetmorei 0 0 8 8 0.00 123 Chhkok tituy Albulichthys albuloides 8 0 0 8 0.00 124 Kanh chanh chras thom Parambassis apogonoides 2 4 2 8 0.00 125 Changwa chhnot Boraras urophthalmoides 4 2 1 6 0.00 126 Kbork Tenualosa thibaudeaui 2 3 1 6 0.00 127 Changwa chhnot Rasbora paviei 4 0 2 6 0.00 128 Trasork Probarbus jullieni 6 0 0 5 0.00 130 Keat srorng Balantiocheilos melanopterus 0 0 5 0.00 131 Phkar kor/chhnot Cirrhinus molitorella 5 0 0 4 0.00 133 Pror lung/chrawlang Leptobarbus hoevenii 4 0				0	2	6	8	
122Chhpin krahormHypsibarbus wetmorei00880.00123Chhkok tituyAlbulichthys albuloides80080.00124Kanh chanh chras thomParambassis apogonoides24280.00125Changwa chhnotBoraras urophthalmoides42160.00126KborkTenualosa thibaudeaui23160.00127Changwa chhnotRasbora paviei40260.00128TrasorkProbarbus jullieni60060.00129KamphievKryptopterus schilbeides23050.00130Keat srorngBalantiocheilos melanopterus00550.00131Phkar kor/chhnotCirrhinus molitorella50040.00133Pror lung/chrawlangLeptobarbus hoevenii40040.00134Andeng ngaingClarias nieuhofi00440.00135KampreamPolynemus multifilis spp.21030.00136KaokArius caelatus12030.00137Angkat prakPuntius brevis Sp.00330.00138Sraka kdamCyclocheilichthys apogon01230.00139Bang kuoyLuciosoma		Sloeuk russev		0	6	2	8	
123Chkok tituyAlbulichthys albuloides80080.00124Kanh chanh chras thomParambassis apogonoides24280.00125Changwa chhnotBoraras urophthalmoides42160.00126KborkTenualosa thibaudeaui23160.00127Changwa chhnotRasbora paviei40260.00128TrasorkProbarbus jullieni60060.00129KamphlievKryptopterus schilbeides23050.00130Keat srorngBalantiocheilos melanopterus00550.00131Phkar kor/chhnotCirrhinus molitorella50050.00132Changwa nonongLobocheilos davisi23050.00133Pror lung/chrawlangLeptobarbus hoevenii40040.00134Andeng ngaingClarias nieuhofi00440.00135KampreamPolynemus multifilis spp.21030.00138Sraka kdamCyclocheilichthys apogon01230.00139Bang kuoyLuciosoma bleekeri21030.00140Chkok phleungCyclocheilichthys furcatus11020.00		•	Hypsibarbus wetmorei	0	0			
124 Kanh chan chras thom Parambassis apogonoides 2 4 2 8 0.00 125 Changwa chhnot Boraras urophthalmoides 4 2 1 6 0.00 126 Kbork Tenualosa thibaudeaui 2 3 1 6 0.00 127 Changwa chhnot Rasbora paviei 4 0 2 6 0.00 128 Trasork Probarbus jullieni 6 0 0 6 0.00 129 Kamphliev Kryptopterus schilbeides 2 3 0 5 0.00 130 Keat srorng Balantiocheilos melanopterus 0 0 5 0.00 131 Phkar kor/chhnot Cirrhinus molitorella 5 0 0 5 0.00 132 Changwa nonong Lobocheilos davisi 2 3 0 5 0.00 133 Pror lung/chrawlang Leptobarbus hoevenii 4 0 0 4 0.00 134 Andeng ngaing Clarias nieuhofi 0 0 <td< td=""><td></td><td></td><td></td><td>8</td><td>0</td><td>0</td><td></td><td></td></td<>				8	0	0		
125 Changwa chhnot Boraras urophthalmoides 4 2 1 6 0.00 126 Kbork Tenualosa thibaudeaui 2 3 1 6 0.00 127 Changwa chhnot Rasbora paviei 4 0 2 6 0.00 128 Trasork Probarbus jullieni 6 0 0 6 0.00 129 Kamphliev Kryptopterus schilbeides 2 3 0 5 0.00 130 Keat srorng Balantiocheilos melanopterus 0 0 5 0.00 131 Phkar kor/chhnot Cirrhinus molitorella 5 0 0 5 0.00 132 Changwa nonong Lobocheilos davisi 2 3 0 5 0.00 133 Pror lung/chrawlang Leptobarbus hoevenii 4 0 0 4 0.00 134 Andeng ngaing Clarias nieuhofi 0 0 4 0.00 135 Kampream Polynemus multifilis spp. 2 1 0 3			-	2	4	2		
126 Kbork Tenualosa thibaudeaui 2 3 1 6 0.00 127 Changwa chhnot Rasbora paviei 4 0 2 6 0.00 128 Trasork Probarbus jullieni 6 0 0 6 0.00 129 Kamphliev Kryptopterus schilbeides 2 3 0 5 0.00 130 Keat srorng Balantiocheilos melanopterus 0 0 5 0.00 131 Phkar kor/chhnot Cirrhinus molitorella 5 0 0 5 0.00 132 Changwa nonong Lobocheilos davisi 2 3 0 5 0.00 133 Pror lung/chrawlang Leptobarbus hoevenii 4 0 0 4 0.00 134 Andeng ngaing Clarias nieuhofi 0 0 4 0.00 135 Kampream Polynemus multifilis spp. 2 1 0 3 0.00 136 Kaok Arius caelatus 1 2 3 0.00 3				4	2	1	6	
127 Changwa chhnot Rasbora paviei 4 0 2 6 0.00 128 Trasork Probarbus jullieni 6 0 0 6 0.00 129 Kamphliev Kryptopterus schilbeides 2 3 0 5 0.00 130 Keat srorng Balantiocheilos melanopterus 0 0 5 0.00 131 Phkar kor/chhnot Cirrhinus molitorella 5 0 0 5 0.00 132 Changwa nonong Lobocheilos davisi 2 3 0 5 0.00 133 Pror lung/chrawlang Leptobarbus hoevenii 4 0 0 4 0.00 134 Andeng ngaing Clarias nieuhofi 0 0 4 0.00 135 Kampream Polynemus multifilis spp. 2 1 0 3 0.00 136 Kaok Arius caelatus 1 2 0 3 0.00 137 Angkat prak Puntius brevis Sp. 0 0 3 0.00 <		Kbork	*	2				
128 Trasork Probarbus jullieni 6 0 0 6 0.00 129 Kamphliev Kryptopterus schilbeides 2 3 0 5 0.00 130 Keat srorng Balantiocheilos melanopterus 0 0 5 5 0.00 131 Phkar kor/chhnot Cirrhinus molitorella 5 0 0 5 0.00 132 Changwa nonong Lobocheilos davisi 2 3 0 5 0.00 133 Pror lung/chrawlang Leptobarbus hoevenii 4 0 0 4 0.00 134 Andeng ngaing Clarias nieuhofi 0 0 4 4 0.00 135 Kampream Polynemus multifilis spp. 2 1 0 3 0.00 136 Kaok Arius caelatus 1 2 0 3 0.00 137 Angkat prak Puntius brevis Sp. 0 0 3 3 0.00 138 Sraka kdam Cyclocheilichthys apogon 0 1 2<						2		
129 Kamphliev Kryptopterus schilbeides 2 3 0 5 0.00 130 Keat srorng Balantiocheilos melanopterus 0 0 5 5 0.00 131 Phkar kor/chhnot Cirrhinus molitorella 5 0 0 5 0.00 132 Changwa nonong Lobocheilos davisi 2 3 0 5 0.00 133 Pror lung/chrawlang Leptobarbus hoevenii 4 0 0 4 0.00 134 Andeng ngaing Clarias nieuhofi 0 0 4 4 0.00 135 Kampream Polynemus multifilis spp. 2 1 0 3 0.00 136 Kaok Arius caelatus 1 2 0 3 0.00 137 Angkat prak Puntius brevis Sp. 0 0 3 3 0.00 138 Sraka kdam Cyclocheilichthys apogon 0 1 2 3 0.00 139 Bang kuoy Luciosoma bleekeri 2 1			-	6	0	0	6	
130Keat srorngBalantiocheilos melanopterus00550.00131Phkar kor/chhnotCirrhinus molitorella50050.00132Changwa nonongLobocheilos davisi23050.00133Pror lung/chrawlangLeptobarbus hoevenii40040.00134Andeng ngaingClarias nieuhofi00440.00135KampreamPolynemus multifilis spp.21030.00136KaokArius caelatus12030.00137Angkat prakPuntius brevis Sp.001230.00139Bang kuoyLuciosoma bleekeri21030.00140Chhkok phleungCyclocheilichthys furcatus11020.00			e e e e e e e e e e e e e e e e e e e	2	3	0	5	0.00
131Phkar kor/chhnotCirrhinus molitorella50050.00132Changwa nonongLobocheilos davisi23050.00133Pror lung/chrawlangLeptobarbus hoevenii40040.00134Andeng ngaingClarias nieuhofi00440.00135KampreamPolynemus multifilis spp.21030.00136KaokArius caelatus12030.00137Angkat prakPuntius brevis Sp.00330.00138Sraka kdamCyclocheilichthys apogon01230.00140Chhkok phleungCyclocheilichthys furcatus11020.00		-		0	0	5		
132Changwa nonongLobocheilos davisi23050.00133Pror lung/chrawlangLeptobarbus hoevenii40040.00134Andeng ngaingClarias nieuhofi00440.00135KampreamPolynemus multifilis spp.21030.00136KaokArius caelatus12030.00137Angkat prakPuntius brevis Sp.00330.00138Sraka kdamCyclocheilichthys apogon01230.00139Bang kuoyLuciosoma bleekeri21030.00140Chhkok phleungCyclocheilichthys furcatus11020.00		-		5	0	0		
133Pror lung/chrawlangLeptobarbus hoevenii40040.00134Andeng ngaingClarias nieuhofi00440.00135KampreamPolynemus multifilis spp.21030.00136KaokArius caelatus12030.00137Angkat prakPuntius brevis Sp.00330.00138Sraka kdamCyclocheilichthys apogon01230.00139Bang kuoyLuciosoma bleekeri21030.00140Chhkok phleungCyclocheilichthys furcatus11020.00		Changwa nonong	Lobocheilos davisi	2	3	0		
134Andeng ngaingClarias nieuhofi00440.00135KampreamPolynemus multifilis spp.21030.00136KaokArius caelatus12030.00137Angkat prakPuntius brevis Sp.00330.00138Sraka kdamCyclocheilichthys apogon01230.00139Bang kuoyLuciosoma bleekeri21030.00140Chhkok phleungCyclocheilichthys furcatus11020.00				4	0	0		
135KampreamPolynemus multifilis spp.21030.00136KaokArius caelatus12030.00137Angkat prakPuntius brevis Sp.00330.00138Sraka kdamCyclocheilichthys apogon01230.00139Bang kuoyLuciosoma bleekeri21030.00140Chhkok phleungCyclocheilichthys furcatus11020.00				0	0	4	4	
136 Kaok Arius caelatus 1 2 0 3 0.00 137 Angkat prak Puntius brevis Sp. 0 0 3 3 0.00 138 Sraka kdam Cyclocheilichthys apogon 0 1 2 3 0.00 139 Bang kuoy Luciosoma bleekeri 2 1 0 3 0.00 140 Chhkok phleung Cyclocheilichthys furcatus 1 1 0 2 0.00			-	2				
137Angkat prakPuntius brevis Sp.00330.00138Sraka kdamCyclocheilichthys apogon01230.00139Bang kuoyLuciosoma bleekeri21030.00140Chhkok phleungCyclocheilichthys furcatus11020.00								
138Sraka kdamCyclocheilichthys apogon01230.00139Bang kuoyLuciosoma bleekeri21030.00140Chhkok phleungCyclocheilichthys furcatus11020.00				0				
139Bang kuoyLuciosoma bleekeri21030.00140Chhkok phleungCyclocheilichthys furcatus11020.00			•					
140Chhkok phleungCyclocheilichthys furcatus11020.00								
	141	Angkat prak	Puntius aurotaeniatus					0.00

	171			Months		Tota	al
No	Khmer name	Scientific name	Oct.	Nov.	Dec.	Value	%
142	Sloeuk russey	Paralaubuca harmandi	1	1	0	2	0.00
143	Changwa	Rasbora hobelmani	0	1	0	1	0.00
144	Kanhcheak sla	Toxotes chatareus	1	1	0	1	0.00
145	Chhpin	Hypsibarbus pierrei	0	1	0	1	0.00
146	Chhkok pokmoat bey	Cyclocheilichthys heteronema	1	0	0	1	0.00
147	Kanhchorn chey	Channa lucius	1	0	0	1	0.00
148	Trasork sor	Probarbus labeamajor	0	1	0	1	0.00
149	Sraka kdam	Cyclocheilichthys repasson	1	0	0	1	0.00
150	Kamphleanh samrei	Trichogaster trichopterus	0	1	0	1	0.00
151	Sloeuk russey	Paralaubuca riveroi	0	0	0	0	0.00
152	Chanluon moan	Coilia lindmani	0	0	0	0	0.00
153	Khya	Mystus wycki	0	0	0	0	0.00
154	Kros	Osteochilus microcephalus	0	0	0	0	0.00
	Total				7,837	207,805	100.00

Nº	Khmer name	Scientific name		Weighted	l Average	
			Oct	Nov	Dec	Overall
1	Bongkong	Macrobrachium rosenbergii	25,344	32,352	32,713	28,793
2	Kray	Chitala blanci	6,359	5,710	5,960	5,789
3	Khchoueng	Macrognathus taeniagaster	4,839	4,857	6,000	5,090
4	Khchoueng	Mastaecembelus favus	4,261	4,522	5,000	4,306
5	Khchoueng	Macrognathus maculatus	3,551	5,120	5,199	4,173
6	Chhpin krahorm	Hypsibarbus wetmorei			4,000	4,000
7	Antong	Monopterus albus	3,978	3,000	5,000	3,993
8	Kes prak	Kryptopterus limpok	3,972	2,560	3,000	3,923
9	Carp sor	Silver carp	4,567	3,321	1,000	3,648
10	Antong	Ophisternon bengalense		3,830	2,940	3,327
11	Ros/ptuok	Channa triata	2,523	3,240	3,708	3,160
12	Kes	Micronema bleekeri	2,544	3,760	3,125	2,924
13	Khlang hai	Belodontichthys truncatus	2,917	2,082	2,089	2,805
14	Kray	Chitala ornata	2,680	3,045	1,567	2,740
15	Kes	Micronema apogon	2,573	2,544	2,761	2,571
16	Andeng roeung	Clarias batrachus		2,130	2,750	2,543
17	Keat srorng	Balantiocheilos melanopterus			2,500	2,500
18	Damrey	Oxyeleotris marmorata	1,307	2,672	2,700	2,450
19	Slat	Notopterus notopterus	2,144	3,186	2,258	2,431
20	Chhpin	Hypsibarbus lagleri	2,340	2,482	2,054	2,354
21	Kes	Kryptopterus micronema	3,673	1,905	2,401	2,308
22	Sanday	Wallago attu	2,228	2,437	2,705	2,283
23	Ruschek	Acantopsis sp.	2,212	2,156	3,120	2,220
24	Andat chhke	Synaptura marginata	1,911	2,106	2,712	2,185
25	Pra	Pangasianodon hypophthalmus	2,109	1,019	650	2,088
26	Chhlonh	Macrognathus siamensis	1,572	2,690	2,390	2,058
27	Andat chhke	Cynoglossus punticeps	1,807	2,213	2,336	2,047
28	Andeng ngaing	Clarias nieuhofi			2,000	2,000
29	Kamphliev khlanh	Kryptopterus cryptopterus		2,000		2,000
30	Khla /bey kamnat	Systomus partipentazona	2,000			2,000
31	Phtong	Xenentodon cancila sp		1,982		1,982
32	Andat chhke	Cynoglossus feldmanni	1,561	2,329	2,277	1,931
33	Chhmar	Setipinna melanochir	1,500	2,000		1,929
34	Andat chhke	Achiroides leucorhynchos	298	1,852	2,062	1,877
35	Andat chhke	Brachirus harmandi	3,000	1,295	2,330	1,870
36	Andeng tun	Clarias macrocephalus	732	2,074	2,300	1,801
37	Khman	Hampala dispar	1,586	1,578	2,962	1,770
38	Krormorm	Ompok bimaculatus	2,500	1,425	1,260	1,709
39	Chhpin	Hypsibarbus malcolmi	1,739	1,441	1,167	1,691
40	Kampeus	Caridea	500	2,130	1,550	1,688
41	Chhlanhg	Hemibagrus spilopterus	1,446	1,943	1,820	1,686
42	Kampot	Tetraodontidae sp	1,341	2,024	1,777	1,628
43	Chanteas phluk	Parachela maculicauda	398	1,840		1,612
44	Kantrorb	Pristolepis fasciata	1,420	1,634	1,382	1,598
45	Andeng tun	Clarias meladerma	1,071	2,812	1,200	1,563

Appendix 4: Monthly average price (R/Kg) by species by months for Dai Bongkong fishery Prey Veng Province (October to December, 2004)

N°	Khmer name	Scientific name		Weighted	Average	
			Oct	Nov	Dec	Overall
46	Andat chhke	Brachirus orientalis	1,497	1,740	1,490	1,561
47	Kanhchrouk loeung	Botia lecontei	1,136	1,903		1,551
48	Kanhchrouk krahorm	Botia modesta	748	1,675	1,403	1,531
49	Po pruy	Pangasius sanitwongsei	1,000	1,920		1,487
50	Po	Pangasius larnaudii	1,395	1,801	1,217	1,463
51	Kaok	Arius caelatus	796	2,060		1,428
52	Ampil tum	Systomus orphoides	1,377	1,543	747	1,373
53	Sloeuk russey	Paralaubuca barroni		1,240	2,000	1,367
54	Chanteas phluk	Parachela siamensis	700	4,210		1,319
55	Andeng tunle	Plotosus canius	1,000		3,000	1,286
56	Pra /bonglao	Pangasius krempfi	700	1,389	600	1,284
57	Kul chek	Epalzeorhynchos frenatum	1,240			1,240
58	Prama	Boesemania microlepis	920	1,667		1,212
59	Changwa phlieng	Esomus longimana		1,210		1,210
60	Chra keng	Puntioplites falcifer	1,019	1,090	2,410	1,197
61	Ta aun	Ompok hypophthalmus	927	1,250	1,208	1,149
62	Chhdor/diep	Channa micropeltes	812	4,500	,	1,130
63	Changwa nonong	Lobocheilos davisi	500	3,000		1,125
64	Kamphliev	Kryptopterus hexapterus	887	1,134	1,960	1,114
65	Andat chhke	Brachirus panoides	877	1,764	3,000	1,095
66	Pava mokmuoy	Labeo dyocheilus	700	1,138	600	1,081
67	Kanhchrouk	Botia beauforti	932	890	2,500	1,070
68	Kantrang preng	Parambassis wolffii	979	1,115	1,098	1,058
69	Chhveat	Pangasius polyuranodon	968	1,032	1,358	1,026
70	Chhveat	Pangasius macronema	523	1,342	973	1,018
71	Kros	Osteochilus hasseltii	875	1,398	860	1,018
72	Carp samanh	Cyprinus carpio	1,000	1,150	850	1,017
73	Chra keng	Puntioplites waandersi	1,074	696	583	1,013
74	Chhpin prak	Barbodes gonionotus	1,016	150		1,008
75	Kaok	Hemipimelodus borneensis	500	923	2,000	1,000
76	Phtinh	Hyporhamphus limbatus sp	995		_,	995
77	Pruol/kralang	<i>Cirrhinus microlepis</i>	964	1,091	753	965
78	Angkat prak	Puntius brevis Sp.		,	933	933
79	Kanhchos kdaong	Heterobagrus bocourti	640	897	964	898
80	Krom	Osteochilus melanopleura	733	1,743	911	868
81	Sraka kdam	Cyclocheilichthys apogon	/	600	1,000	867
82	Kamphliev	Kryptopterus schilbeides	500	1,500	1,000	833
83	Pra khchoa	Pangasius bocourti	554	1,341	1,033	830
84	Kahe krorhorm	Barbodes altus	820	804	1,280	830
85	Changwa chhnot	Rasbora paviei	612	001	2,000	810
86	Kanhchos thmor	Leiocassis siamensis	459	658	1,420	765
87	Kranh	Anabas testudineus	715	973	1,363	765
88	Kanhchos krawbey	Glyptothorax fuscus	/15	563	1,505	732
89	Kbork	Tenualosa thibaudeaui	500	960	900	732
90	Lolork sor	Osteochilus schlegeli	710	200	200	723
90 91	Chhkok pokmoat bey	Cyclocheilichthys heteronema	700			710
92	Kanhchorn chey	Channa lucius	700			700

Nº	Khmer name	Scientific name		Weighted	Average	
			Oct	Nov	Dec	Overall
93	Trasork sor	Probarbus labeamajor		700		700
94	Kanhchrouk chhnot	Botia helodes	651	1,289	1,240	696
95	Kampoul bay	Cosmochilus harmandi	602	740	598	692
96	Kanhchos bay	Mystus albolineatus	700	773	500	688
97	Dang khteng	Macrochirichthys macrochirus	670	690	786	676
98	Kanhchrouk	Botia morleti	660	1,390	900	662
99	Pra kandol	Helicophagus waandersi	475	563	925	661
100	Kahe loeung	Barbodes schwanenfeldii	630	814	583	655
101	Kanhchos chhnot	Mystus mysticetus	549	650	860	650
102	Changwa chhnot	Rasbora espei		650		650
103	Sraka kdam	Cyclocheilichthys repasson	646			646
104	Chhkok	Cyclocheilichthys enoplos	592	1,024	777	640
105	Kamphliev	Kryptopterus moorei	628	400	1,500	639
106	Chek tum	Bagrichthys macracanthus	498	780	1,270	619
107	Kanhchos chhnot	Mystus atrifasciatus	460	709	420	602
108	Kanhcheak sla	Toxotes chatareus	597	600		598
109	Kambot chramos	Amblyrhynchichthys truncatus	529	565	1,682	591
110	Riel tob	Cirrhinus siamensis	518	2,299	609	585
111	Kros	Osteochilus lini	432	567	787	582
112	Chanteas phluk	Parachela williaminae	537	815	2,500	577
113	Changwa moul	Rasbora aurotaenia	572	400	2,000	572
114	Kulreang/kahor	Catlocarpio siamensis	568	100	800	568
115	Sloeuk russey	Paralaubuca harmandi	700	500		567
116	Riel awng kam	Cirrhinus lobatus	563	497	1,004	563
117	Pror lung/chrawlang	Leptobarbus hoevenii	551			551
118	Linh	<i>Thynnichthys thynnoides</i>	482	648	1,500	547
119	Arch kok	Labiobarbus siamensis	514	1,130	260	545
120	Kaek	Labeo chrysophekadion	528	650	714	544
121	Kampream	Polynemus multifilis spp.	500	600		533
122	Sloeuk russey	Paralaubuca typus	517	511	500	517
123	Changwa nonong	Lobocheilos quadrilineatus	400	555		516
124	Chun chouk dai /smok	Gyrinocheilus spp.	453	598	600	515
125	Kanhchos	Mystus singaringan	600	510	500	515
126	Kaok	Hemipimelodus bicolor	526	510	500	514
127	Kros	Osteochilus waandersii		550	500	513
128	Kamphliev stoeung	Kryptopterus cheveyi	500	1,000		510
129	Khnang veng	Labiobarbus kuhli	505	632	567	506
130	Sraka kdam	Cyclocheilichthys lagleri	467	514	500	504
131	Angkat prak	Puntius aurotaeniatus	500			500
132	Bang kuoy	Luciosoma bleekeri	500	500		500
133	Changwa chhnot	Boraras urophthalmoides	500	500	500	500
134	Chhpin	Hypsibarbus pierrei		500		500
135	Kamphleanh samrei	Trichogaster trichopterus		500		500
136	Phkar kor/chhnot	Cirrhinus molitorella	500			500
137	Changwa	Rasbora hobelmani	199	650		500
138	Khsan	Channa gachua	458	504	650	499
139	Chhkok tituy	Albulichthys albuloides	497			497

N°	Khmer name	Scientific name		Weighted	Average	
			Oct	Nov	Dec	Overall
140	Changwa chunchuok	Crossocheilus reticulatus	503	462	200	497
141	Phkar kor	Cirrhinus prosemion	500	388	1,200	496
142	Khman	Hampala macrolepidota	400	1,423	618	490
143	Kanhchos chhnot	Mystus multiradiatus	398	460	1,500	489
144	Sloeuk russey	Oxygaster anomalura	482			482
145	Kamphleanh phluk	Trichogaster microlepis	475			475
146	Kanhchos	Mystus wolffi	443	500	500	443
147	Chhkok phleung	Cyclocheilichthys furcatus	300	650		440
148	Bandol ampoav	Clupeichthys Sp.	568	410	160	419
149	Sloeuk russey	Paralaubuca riveroi	400			400
150	Trasork	Probarbus jullieni	398			398
151	Kanh chanh chras thom	Parambassis apogonoides	543	306	260	330
152	Chanluon moan	Coilia lindmani		230		230
153	Khya	Mystus wycki		150		150
154	Kros	Osteochilus microcephalus		100		100

int name pil tum at chlike ikok kok inteas phluk kok inteas phuk a keng k k intour int							L.eoo	* * *					* *	
iat chikke lat chikke gkong gkong ktok lang lang a keng k toot chramos upoul bai houeng ang hai ang hai ang veng y ar kor	toides eldmanni	(kg)	Freq.	M. Len.	Var	S.D	rreq.	M. Len.	Var	S.D	Freq.	M. Len.	Var	S.D
at chikke h kok gkong mteas phluk kok hlang a keng k k te loeung npoul bai hchos ang hai ang hai ang veng h ar kor ar kor	eldmanni	719					102	13.97	1.935	1.391	78	14.245	3.905	1.976
h kok gkong gkong hakok hang pin a keng k k i loeung hout chramos hout chramos hout bai hchos ang hai ang veng y ar kor		1,982	498	24.735	17.238	4.152	806	21.08	26.156	5.114	718	16.132	41.322	6.428
gkong mteas phluk wkok lang a keng k k nbot chramos npoul bai houeng ang hai iang veng y m ar kor	iamensis	2,666	193.0	8.662	7.877	2.807								
mteas phluk kok llang a keng k te loeung nbot chramos npoul bai houeng ang hai ang hai ang veng m nar kor	m rosenbergii	1,531	1205	14.218	8.755	2.959	1574	14.508	11.203	3.347	327	15.793	12.073	3.475
kok llang pin a keng k k loeung ubot chramos upoul bai hchos ang hai ang veng y m ar kor	iaminae	76	49	10.185	0.574	0.758								
llang pin k k te loeung ubot chramos uhchos houeng ang hai iang veng i m f ar kor	hys enoplos	3,640	384	9.015	5.155	2.270	157	14.667	5.568	2.360	65	15.004	7.126	2.669
pin a keng k k te loeung upoul bai houeng houeng ang hai ang veng m r kor	oilopterus	2,113	236	15.035	22.959	4.792	246	18.206	8.324	2.885	129	16.845	5.46	2.337
k k e loeung nbot chramos houeng ang hai cang veng y m f ar kor	ıalcolmi	237	92	16.091	6.057	2.461	84	15.236	8.917	2.986	38	15.555	7.286	2.699
k te loeung ubot chramos upoul bai hchos ang hai ang veng m f f ar kor	lcifer	588	629	9.692	5.225	2.286	1016	10.974	3.326	1.824	561	9.728	5.683	2.384
ie loeung ubot chramos upoul bai hchos ang hai ang veng y m ar kor	hekadion	5,060	192	12.138	13.179	3.63	558	13.463	10.045	3.169	199	14.249	10.091	3.177
nbot chramos npoul bai hchos ang hai ang veng m f ar kor	vanenfeldii	576	16	10.825	5.183	2.277	31	12.579	1.583	1.258	40	11.825	2.907	1.705
upoul bai hchos hnueng ang hai y m f t ar kor	chthys truncatus	144	41	8.523	6.820	2.611								
hchos houeng ang hai y n ar kor	armandi	1, 140	213	13.53	5.744	2.397	702	14.004	13.725	3.705	190	15.924	6.441	2.538
houeng ang hai ang veng m ar kor	ngan	24	6	11.894	3.023	1.74	88	13.609	2.756	1.66	98	13.379	2.191	1.48
houeng ang hai y n ar kor	ıaudii	771	558	19.219	11.417	3.379	873	18.045	10.652	3.264	403	18.172	10.241	3.2
ang hai ang veng m ar kor	taeniagaster	56	22	39.723	19.541	4.421	9	46.283	2.167	1.472				
y y h ar kor	s truncatus	11,689	644	24.556	9.538	3.088	515	24.712	6.462	2.542	73	23.957	23.476	4.845
y m ar kor	uhli	30,639	69L	7.274	0.916	0.957	37	15.639	1.935	1.391	47	14.982	3.863	1.965
m 1 ar kor		1,416	10	36.45	7.111	2.667	9	36.617	25.367	5.037				
n ar kor	elanopleura	3,676	66	11.652	7.979	2.825	109	14.551	4.980	2.232	28	13.45	2.296	1.515
ar kor	hynnoides	323	8	8.95	1.429	1.195								
	emion	284	37	11.099	0.401	0.633	46	12.080	1.305	1.142				
23 Po Pangasius larnaudii	ıaudii	771	110	20.723	8.549	2.924	35	22.107	7.938	2.817				
24 Pra Pangasianodon hypophthalmus	n hypophthalmus	1,095	16	14.575	9.317	3.052	16	14.950	3.467	1.862				
25 Pruol/kralang Cirrhinus microlepis	olepis	8,113	171	14.093	3.290	1.814	56	16.325	3.493	1.869	18	16.672	1.359	1.166
26 Riel awngkam Cirrhinus lobatus	tus	3,951	278	7.515	2.465	1.570	17	13.685	0.941	0.970	85	13.238	1.264	1.124

Appendix 5: Mean Length (cm.) of Common Species Captured at the Dai Bongkong Fishery,

M. VI.	N anno	N	Total catch		October	Jer			November	nber			December	mber	
INO. NIIIIIEI INAIIIE	ar Ivame	Species iname	(kg)	Freq.	Freq. M. Len. Var S.D Freq. M. Len. Var	Var	S.D	Freq.	M. Len.	Var		Freq.	S.D Freq. M. Len. Var	Var	S.D
27 Riel top	d.	Cirrhinus siamensis	1,349	87	9.439	2.825	1.681	21	2.825 1.681 21 13.545 1.89 1.375	1.89	1.375	68	68 13.082	1.102	1.05
28 Ros/ptuok	uok	Channa triata	3,152	170	25.709		3.842	133	26.533	15.531	3.941	17	24.803	20.993	4.582
29 Sandai/kraport	i/kraport	Wallago attu	4,255	153	28.143	25.188	5.019	86	31.252	44.866	6.698	17	33.391	30.184	5.494
30 Slat		Notopterus notopterus	630					23	19.015	16.348	4.043	11	20.45	13.2	3.633
31 Sloeuk russey	: russey	Paralaubuca typus	937	47	7.259	2.419	2.419 1.555	8	12.825	0.268	0.518				