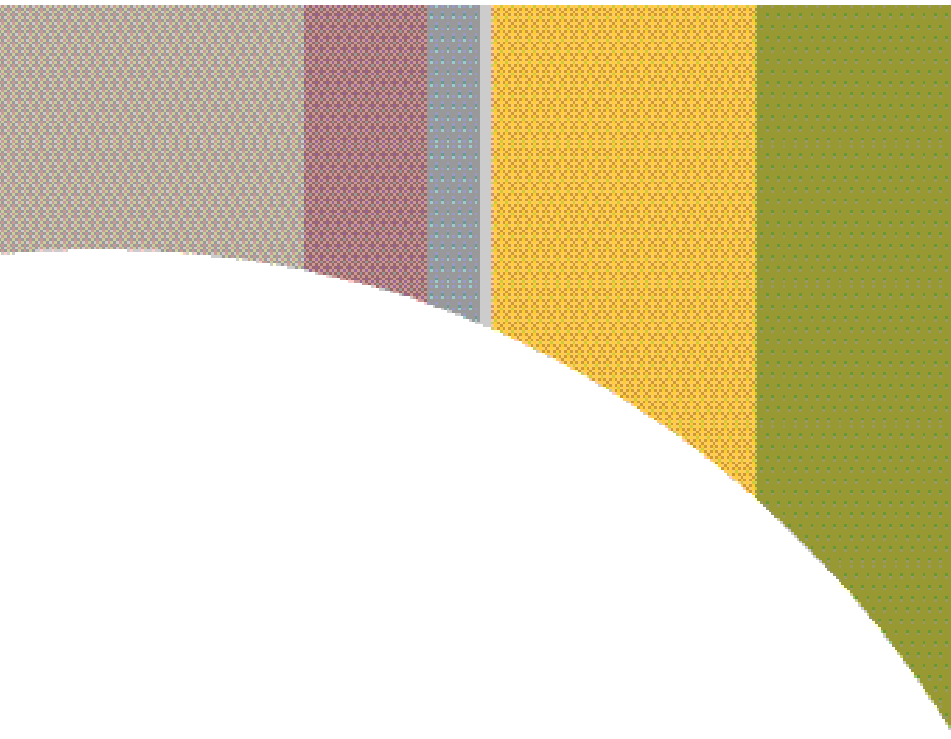


Korean Coastal and Offshore Fishery Census



[]



해양수산부
국립수산과학원
National Fisheries Research &
Development Institute



가 240

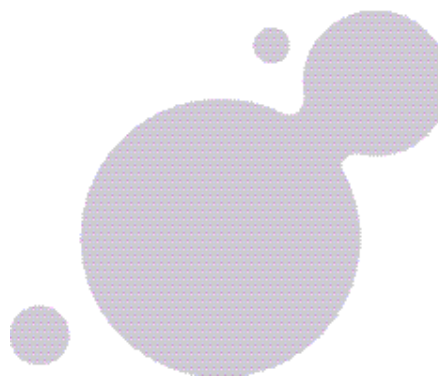
가

가

2002 ~ 2004 3

가

2004. 12.



發 刊 辭

가
,

가

EEZ

EEZ

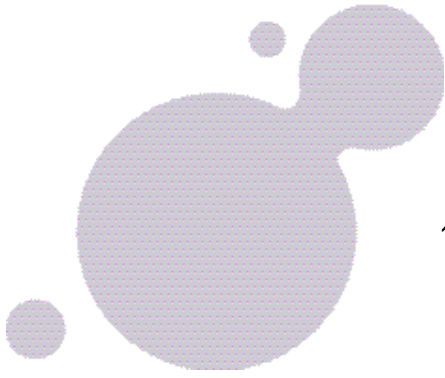
2002 2004

()가

가

EEZ

2004. 12.



1.

2002 2

,
, 2002 5 ,
, ()
, ,
.

, 2002 9 2004 12 ,
.
: 11

2.

가.

- (1) : 가 , ,
, ,
- (2) : 가 , ,
- (3) : () 가 ,
, ,
- (4) : ,
, .

3.

가
2003 12 , 2002 12 .
2004 8
2003 12
1
1 , 8 .
1 9 .

1.	가 .	15
2.		15
3.		16
4.		17

1.	가 .	
	가.	21
	.	23
	.	24
	.	25
	.	25
2.	가.	
	1)	27
	가)	27
	)	36
	)	40
	)	44
	)	48
	)	51
	)	53

2)	.....	57
가)	.....	57
)	.....	62
)	.....	66
) ( )	.....	69
)	.....	76
) ( )	.....	79
3)	.....	81
가)	.....	81
)	.....	85
)	.....	90
)	.....	95
4)	.....	98
5)	.....	100
.		
1)	.....	101
2)	.....	103

3.

가.

1)	.....	117
2)	.....	117
.		
1)	.....	119
2)	.....	120
3)	.....	121

4.		
가.		
1)		151
가)		151
)		152
)		155
2)		160
가)		160
)		161
)		167
)	가 가	173
3)		177
가)		177
)		178
)		180
)		182
.		
1)		185
가)		185
)		188
)		192
)	가	195
2)		201
가)		201
)	가	202
)		204
)	가	208

CHAPTER 1

1. 가 .
- 2.
- 3.
- 4.

1. 가 .

가 2003 12 31 , 가 2002 12 31 1998 2003 가 .

2.

가. (CPUE)

, 2
,
2002 10 2003 12 .
.
,
.
2
,
2002 10
2003 12 가 .

6

(Mitutoyo, CD-15)
0.1cm (Sartorius, M-5500S) 0.01g

(immature), (maturing), (mature), (spent) 4
(gonadosomatic index : GSI) / x100

$$(w) / (W) \times (w)$$

Gilson (Love and Westphal, 1981)

1cm

, 50% logistic

3.

가.

mm

3 , 3~5 , 5~8 3
mm

m

4.

가.

가

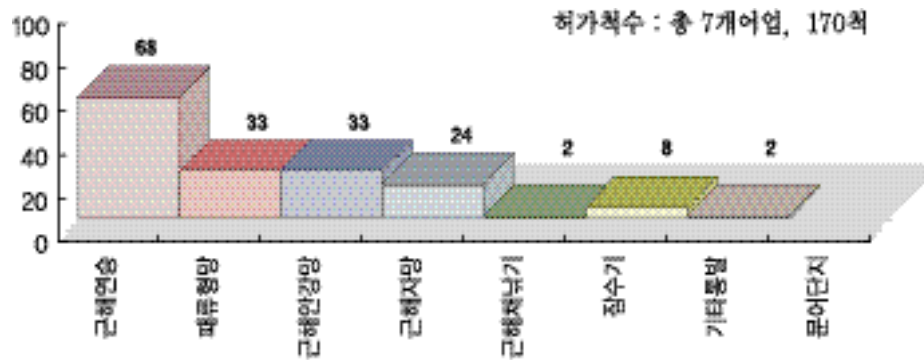
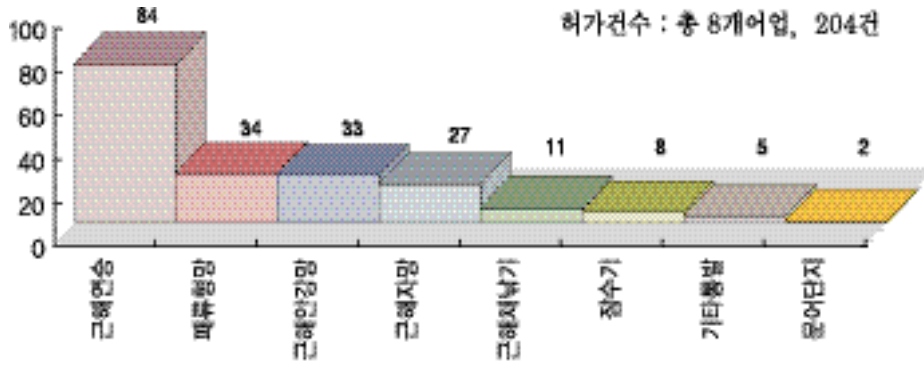
가

CHAPTER 2

1. 가 .
- 2.
- 3.
- 4.

[1. 가 .]

가.



1-1. 가

가 8 가 204 , 가 170 .
 가 84 가 , 34 , 33 ,
 27 , 11 , 8 , 5 , 가 2 . 가
 68 가 , 33 ,
 24 , 8 , 2 ,
 가 .

1-1.

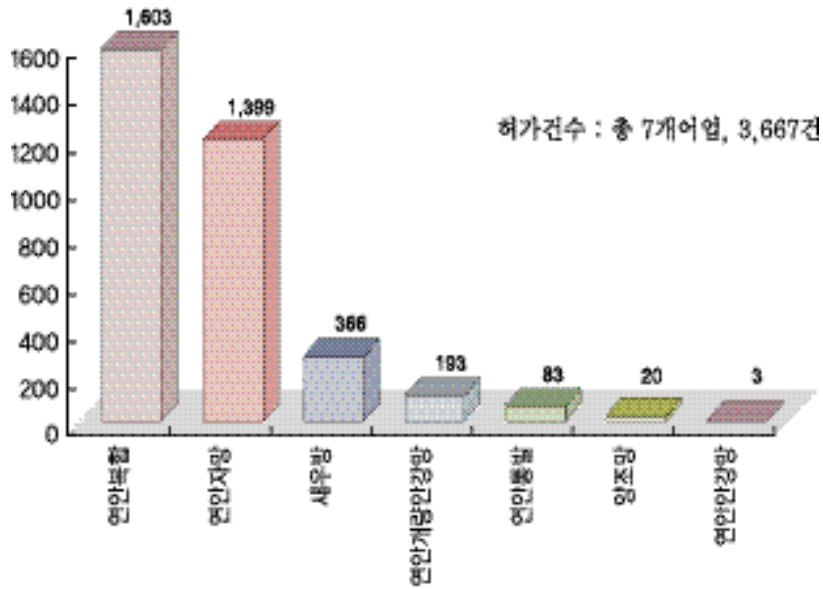
(: ,)

	1998	1999	2000	2001	2002	2003	
	22,706	24,713	25,353	27,671	27,884	5,524	22,309
	12	55	-	-	-	898	160
	1,683	2,645	4,188	478	144	336	1,579
	17,116	19,995	6,156	9,988	11,452	2,093	11,133
	2,810	1,453	14,572	16,118	15,878	475	8,551
	892	263	-	824	243	390	435
	-	-	-	-	-	1,328	221
	193	302	437	263	167	4	228

(1998~2003)

22,309

, , 2002 27,884 가 , 2003 5,524 가
 . 49.9% 가
 11,133 , 1999 19,995 가
 . ,
 8,551 38.3% , 1,579 (7.1%), 435
 (2.0%), 228 (1.0%), 221 (1.0%), 161
 (0.7%) .

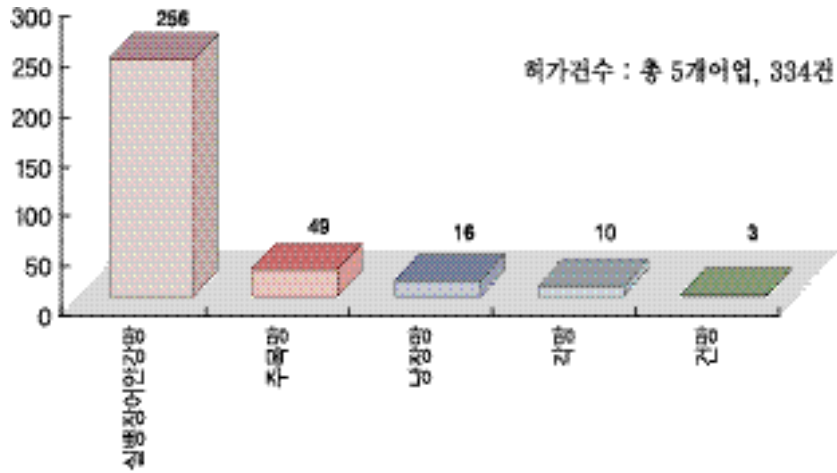


1-2. 가
 7 가 3,667 가
 , 1,603 가 , 1,399 ,
 366 , 193 , 83 , 20 ,
 3 .

1-2. (: ,)

	1998	1999	2000	2001	2002	2003	
	15,321	12,345	7,668	4,774	5,738	17,977	14,446
	-	-	-	-	-	4,571	4,571
	12,028	6,987	1,317	189	244	936	3,616
	11	1	-	-	-	2,912	487
	2,862	4,791	4,893	4,112	4,752	9,475	5,148
	420	566	1,458	473	742	83	624

(1998~2003) 14,446
 가 2003
 , , 2001 4,774 가 .
 17,977 가 , 2001 4,774 가 .
 48.4% 가
 5,148 , 2003 9,475 가 1998 2,862 가
 ,
 3,616 25.0% , 4,571 (31.6%), 624
 (4.3%), 487 (3.4%) .



1-3. 가
5 가 334 가
256 가 , 49 ,
16 , 10 , 3 .

1-3. (: ,)

	1998	1999	2000	2001	2002	2003	
	6,357	8,093	367	339	560	3,969	3,280
	-	-	65	-	64	12	24
	2,291	88	16	20	355	1,527	716
	746	-	-	-	-	2,406	525
	89	996	20	135	96	-	222
	2				6	-	1
	3,229	7,009	266	184	39	24	1,792

(1998~2003) 3,280
, 1999 8,093 가 , 2000 367 가 .
21.8% 가
716 , 1998 2,291 가
, 2000 16 가 .
, 525 16.0% , 222
(6.8%), 1 (0.0%) , ,
1,792 54.6% .

2003 , 가 18 , 가 128ha

1-4. (: ,)

	1998	1999	2000	2001	2002	2003	
	30	574	217	515	153	41	255

(1998~2003) 255

, 1999 574 가 , 1998 30 가 .

2003 , 가 37 , 가
1,204ha .

1-5. (: ,)

	1998	1999	2000	2001	2002	2003	
	3,779	4,792	7,208	4,797	3,581	22,867	7,837

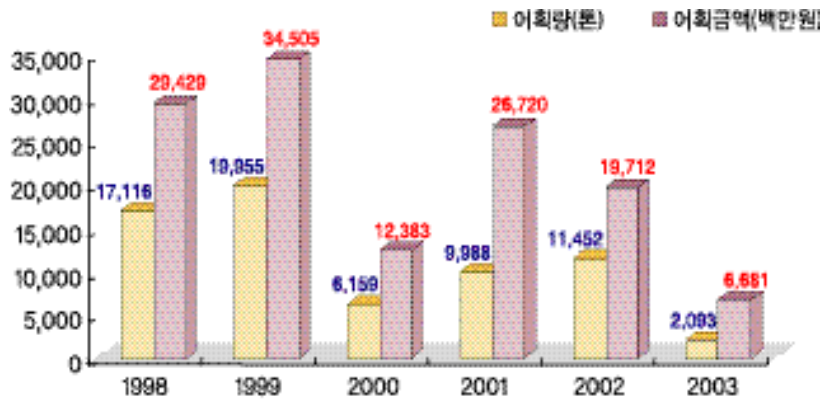
(1998~2003) 7,837

, , 2003 22,867 가 , 2002 3,581 가

[2.]

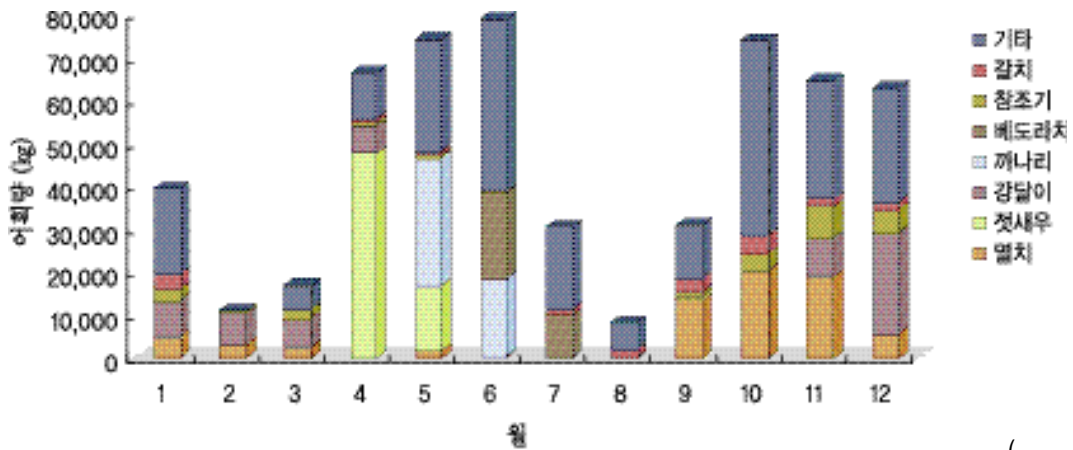
- 가.
- 1)
- 가)

(CPUE)



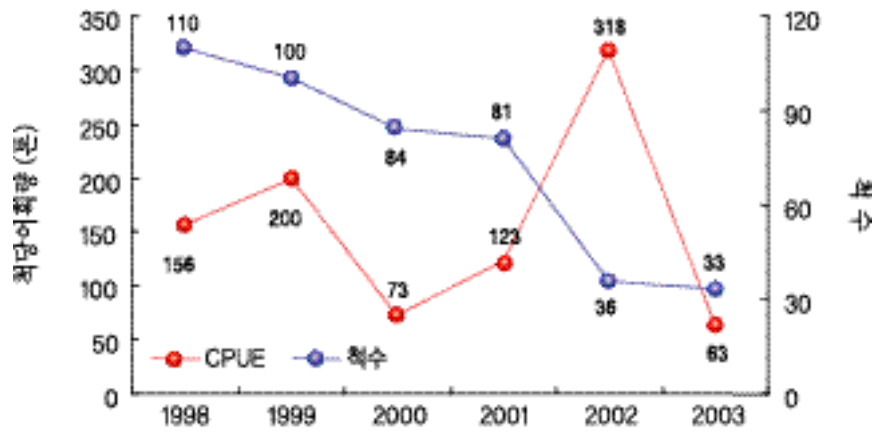
2-1.

1998 17,116
 1999 19,955 가 , 2000 6,159 2002
 가 2003 2,093 가
 1999 345 가 , 2003 67 가
 2002 2001 가
 가



2-2.

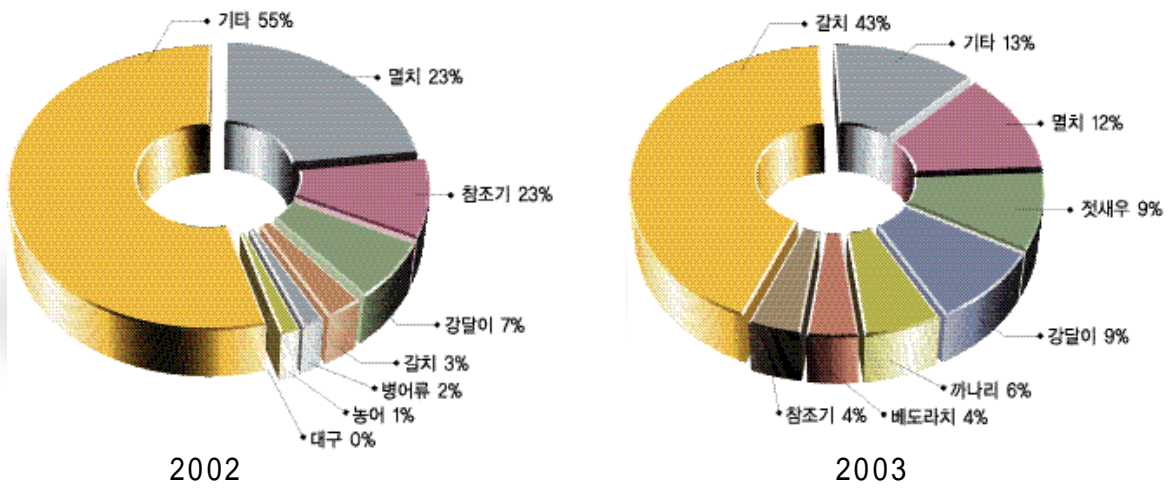
6 79 가 , 8 8 가
 4~6 10~12



2-3.

(CPUE)

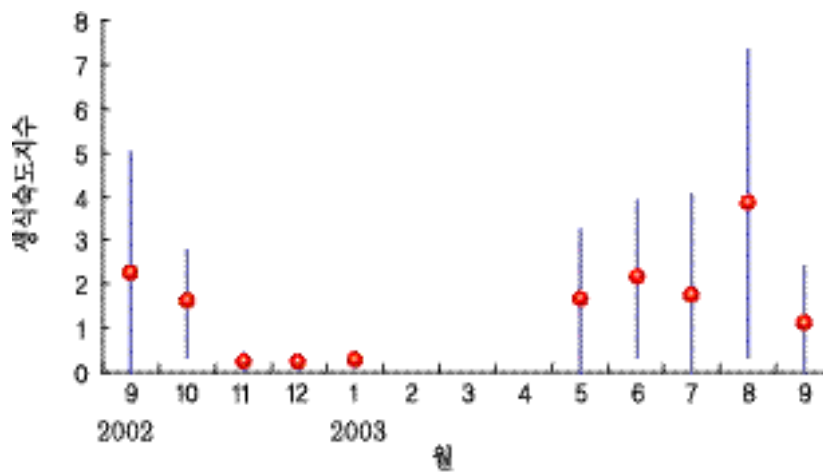
33 . CPUE 1998 110 1999 200 , 2000 73
 가 2002 318 . 2003 63



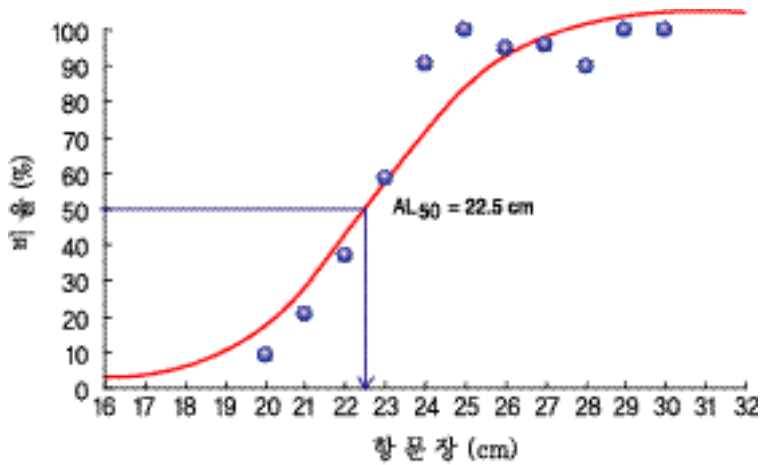
2-4.

10~12 2002 , 가 23% 가 ,
 가 9%, 가 7% , , , . 2003
 가 43% 가 , 가 12%, 가 9%

(/ ×100)
 2002 9 2.24 , 10 1.58 11~2003 1 0.30
 2003 5 1.62 가 8
 3.85 . 9 1.09 5~10
 (6~8) 50% 22.5cm



2-5.

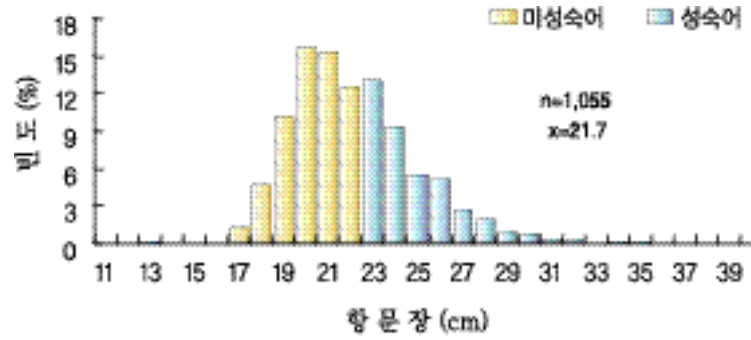


2-6.

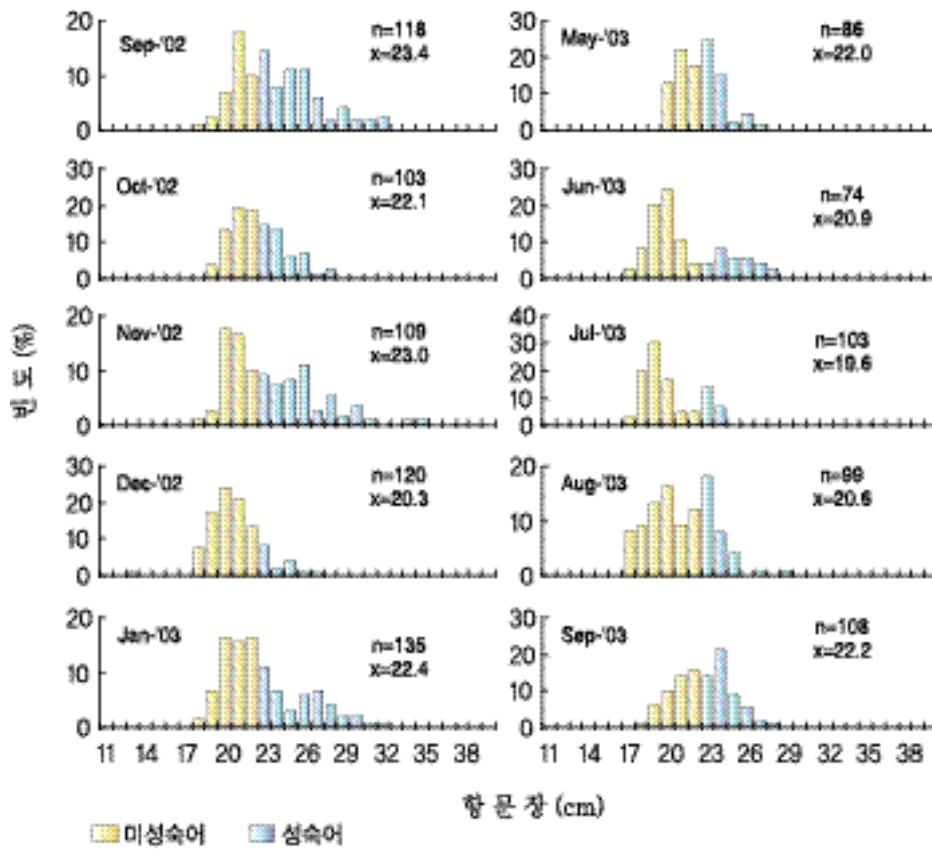
2002 9 ~2003 9

1,055

() 21.7cm(12.4~34.4cm)
 , 19.1~20.0cm 가 15.6% 가 . 22.5cm
 59.5%

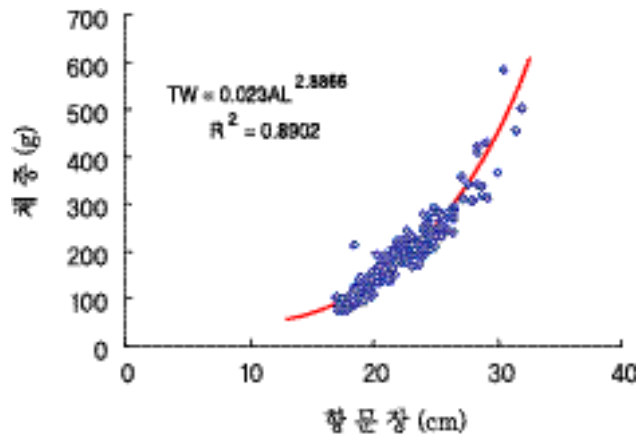


2-7.



2-8.

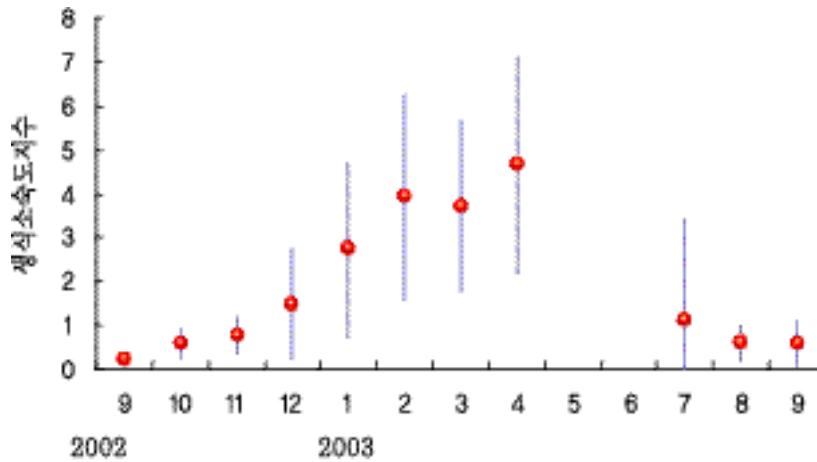
, 2002 9 23.4cm(17.3~31.0cm) , mode
 20.1~21.0cm 17.8% . 38.1% . 10
 22.1cm(18.4~27.0cm) 20.1~21.0cm 가 19.4% ,
 55.3% . 11 23.0cm(17.2~34.0cm), 47.7%
 , 12 20.3cm(12.4~26.0cm) , 84.2%
 가 . 2003 1 22.4cm(17.4~31.0cm) , 19.1~20.0cm
 21.1~22.0cm 가 16.3% . 56.3% . 5
 22.0cm(19.4~26.0cm), mode 20.1~21.0cm 22.1% 52.3%
 . 7 19.6cm(16.8~24.0cm) 가 ,
 18.1~19.0cm 가 31.1% 가 . 79.6% . 8
 20.0cm(16.3~28.0cm) mode 22.1~23.0cm 18.2% ,
 67.7% .



2-9. -

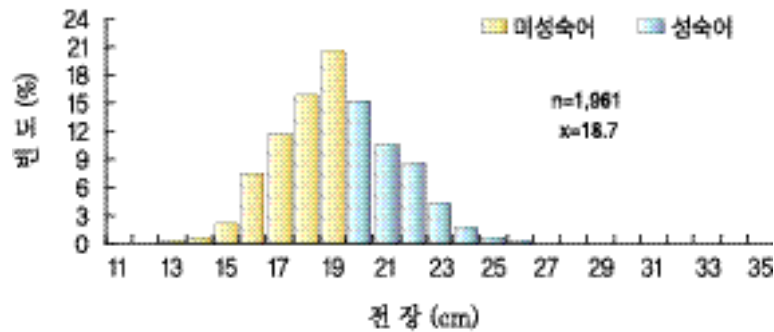
306 -

TW=0.023AL^{2.8866}(R²=0.890)(TW: ; AL:) .



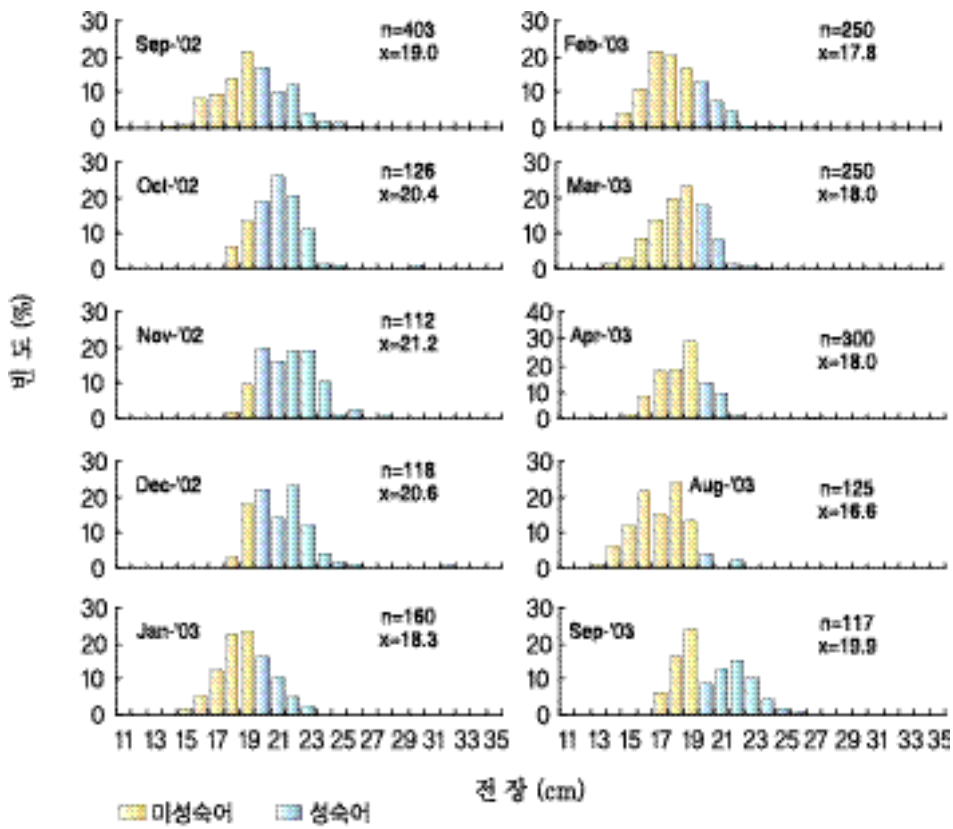
2-10.

(/ ×100)
 , 2002 9 ~11 0.25~0.77 , 2003 1 2.73
 가 4 4.65 가 .7 1.11
 8~9 1.00 4~6 .

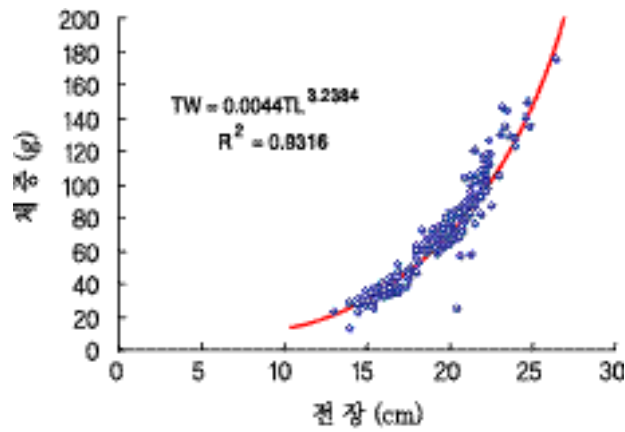


2-11.

2002 9 ~2003 9 1,961
 18.7cm(12.4~31.0cm) , 18.1~19.0cm 가
 20.6% 가 . 19.1cm 58.3% .
 , 2002 9 19.0cm(13.5~25.0cm) , mode
 18.1~19.0cm 21.1% 53.3% .10 20.4cm
 (17.2~29.4cm) 19.8% .11 21.2cm(17.5~27.0cm)
 가 , 19.1~20.0cm 가가 19.6% .
 11.6% 가 . 2003 1 18.3cm(14.1~22.0cm) ,
 mode 18.1~19.0cm(23.8%) 65.6% . 2~4
 17.8~18.0cm 70.8~76.0% .8 16.6cm(13.0~21.0cm)
 가 , 17.1~18.0cm 가가 24.0% .
 93.6% 가 .9 19.9cm(16.3~25.0cm) mode
 18.1~19.0cm 23.9% . 46.2% .



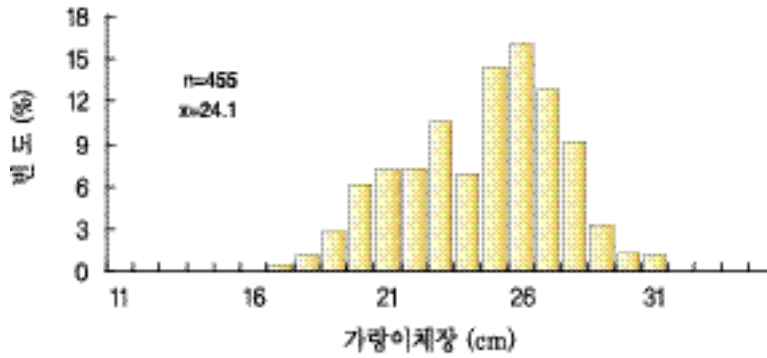
2-12.



2-13.

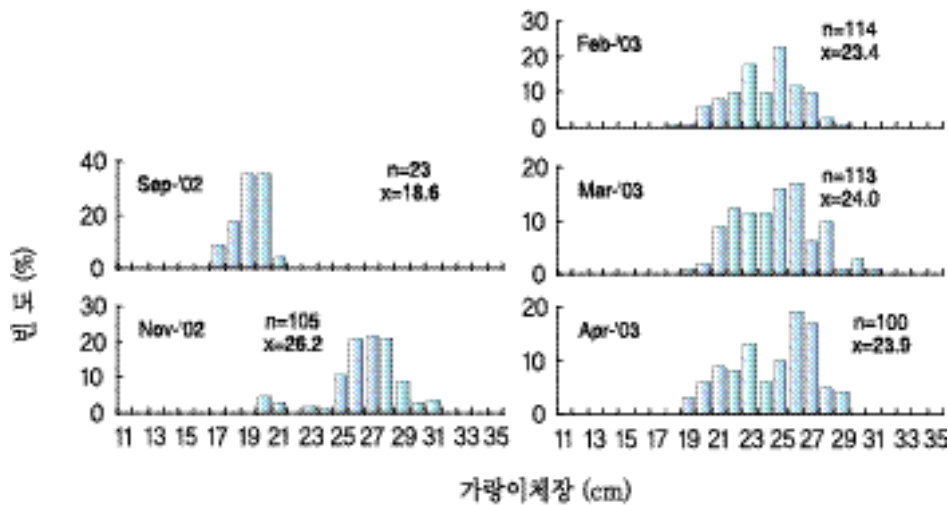
293

$TW=0.0044TL^{3.2384}(R^2=0.932)(TW: ; TL:)$



2-14.

2002 9 ~ 2003 4 가 455
 가 24.1cm(16.7~30.0cm) , 25.1~26.0cm
 가 16.0% 가 .



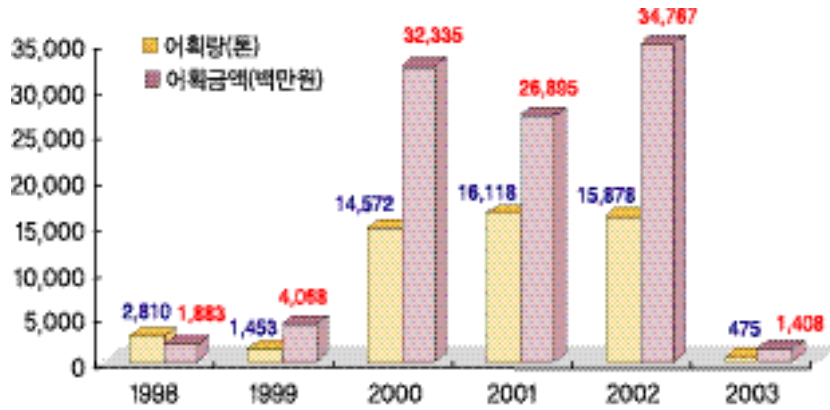
2-15.

가 , 2002 9 가 18.6cm(16.7~20.0cm)
 가 , 19.1~20.0cm 20.1~21.0cm 가 34.8% 가
 . 11 가 26.2cm(19.1~26.2cm) 가 ,
 26.1~27.0cm 가 21.9% 가 . 2003 2 가 23.4cm
 (17.6~28.0cm) , mode 24.1~25.0cm 22.8% . 3 4 가
 24.0cm(18.4~30.0cm), 23.9cm(18.4~28.0cm) , mode 25.1~26.0
 cm 16.8% 19.0% .

, 2001~2003
 2,093~11,452 1994~1998 14,760~27,772
 . 1999
 2001 2002 가 2003 2,093 가
 , 가
 18% 24% .

)

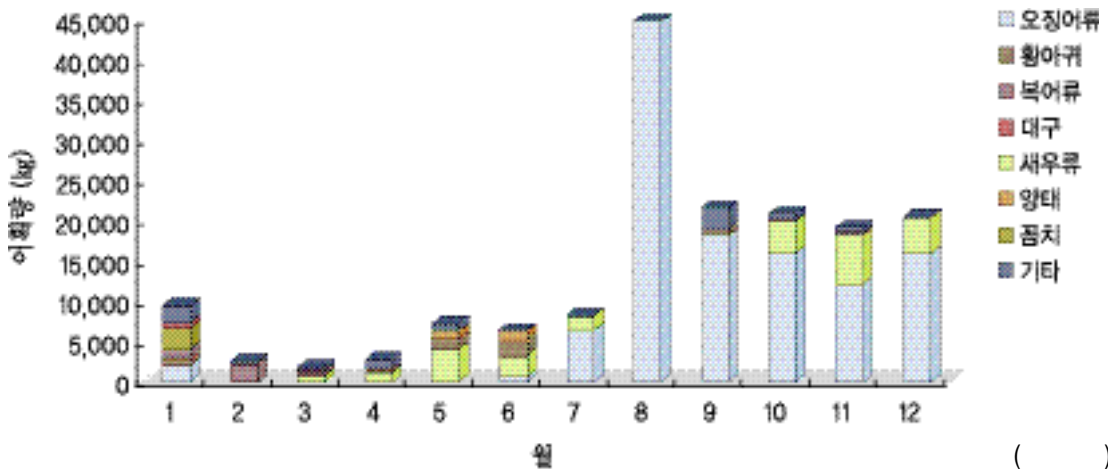
(CPUE)



()

2-16.

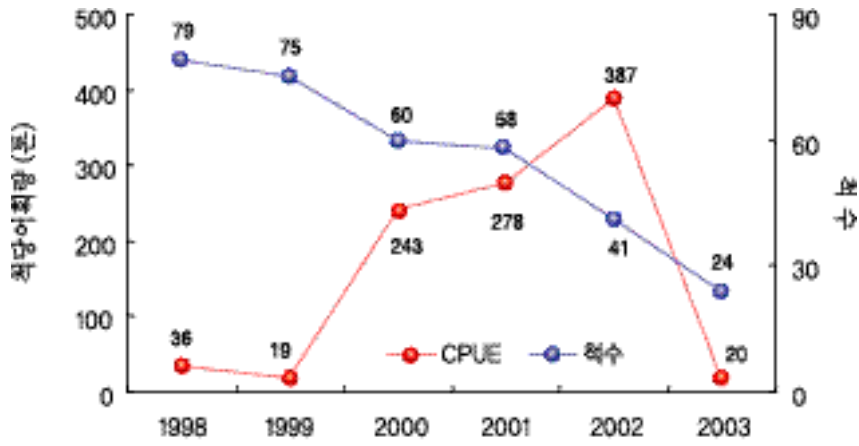
1998 2,810
 가 2001 16,118 가 , 2002 15,878 ,
 2003 475 가
 1998 19 가 2000 323 가 2002 348 가
 . 2003 14 가 .



()

2-17.

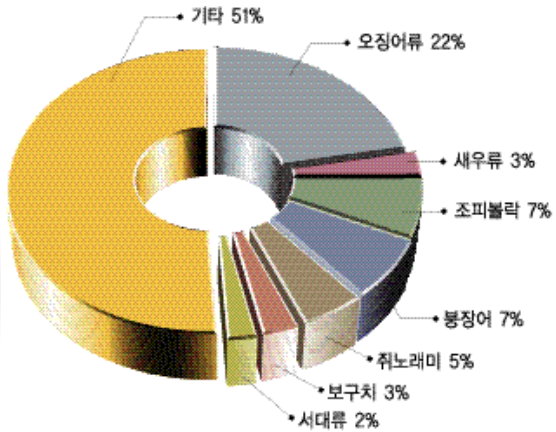
8 44,860g 가 , 3 1,82kg 가 .
 8~12 가 7~12 가
 가 65~100% , 3~6 가
 41~57% 가 1 가 28%
 가 .



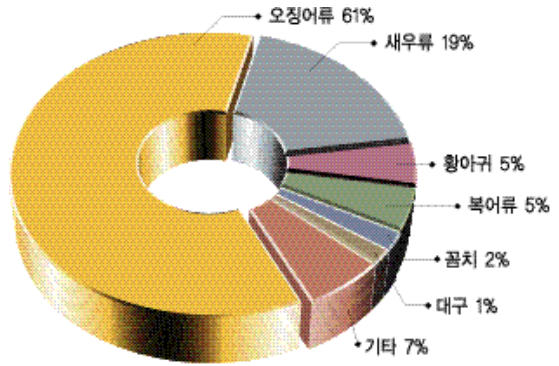
2-18.

(CPUE)

Year	CPUE	Average Catch (kg)
1998	36	79
1999	19	75
2000	243	60
2001	278	58
2002	387	41
2003	20	24



2002



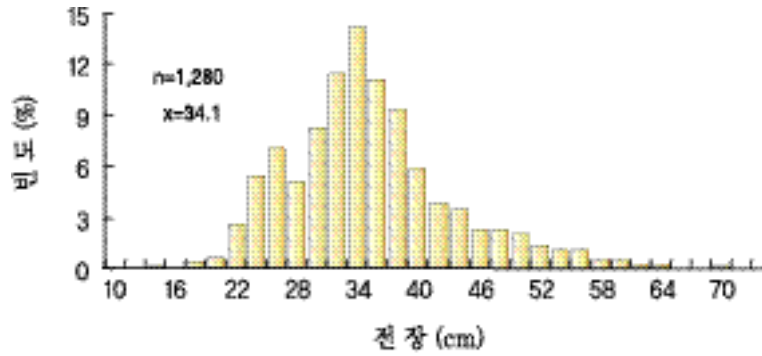
2003

2-19.

Year	Other (%)	Squid (%)	Shrimp (%)	Yellowtail (%)	Eel (%)	Striped mullet (%)	Sea bream (%)	Sea bream (%)
2002	51%	22%	3%	7%	7%	5%	3%	2%
2003	7%	61%	19%	5%	5%	2%	1%	7%

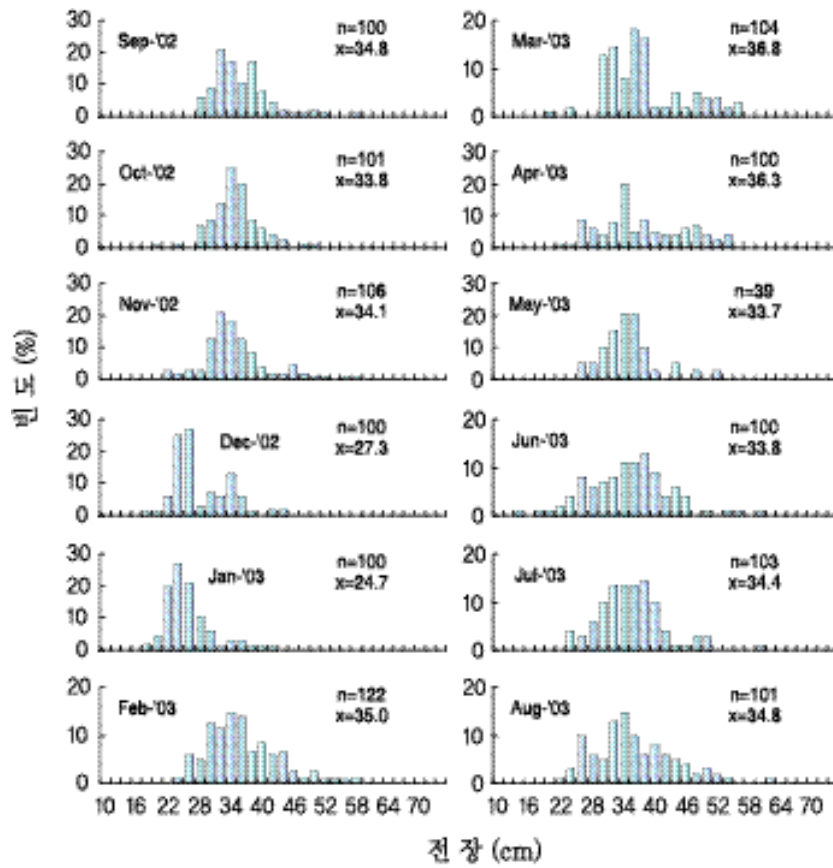
173 174

93

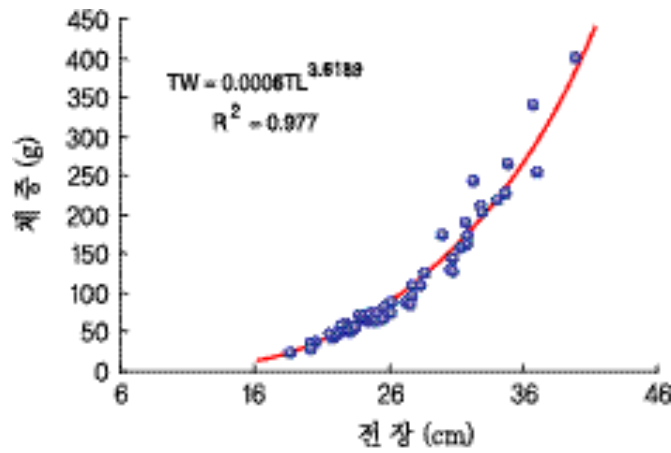


2-20.

2002 9 ~2003 8 1,280
 34.1cm(12.4~68.0cm) , 32.1~34.0cm 가
 14.2% 가
 , 2002 9 34.8cm(26.8~57.5cm) ,
 30.1~32.0cm 가 21.0% 가 . 10
 33.8cm(18.4~48.0cm), mode 32.1~34.0cm 24.8% . 11
 34.1cm(20.4~58.0cm) 30.1~32.0cm 가 20.8% 가 . 12
 27.3cm(17.4~43.0cm), mode 24.1~26.0cm 27.0% . 2003 1
 24.7cm(17.6~41.0cm) 가 , 22.1~24.0cm 가 가
 27.0% . 3 36.8cm(19.4~54.0cm) 가 ,
 34.1~36.0cm 가 18.3% 가 . 4 5 36.3cm
 (21.2~53.0cm), 33.7cm(24.5~50.2cm) , mode 32.1~34.0cm 20.0%
 20.5% . 6 7 33.8cm(12.4~58.4cm), 34.4cm
 (22.4~58.0cm) , mode 36.1~38.0cm 13.0% 14.6% . 8
 34.8cm(26.8~57.0cm) , 32.1~34.0cm 가 14.9%
 가



2-21.



2-22.

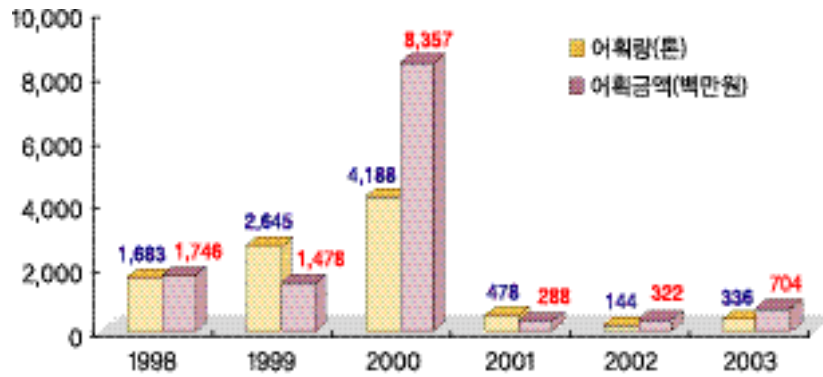
61

$TW=0.0006TL^{3.6189}(R^2=0.977)$ (TW: ; TL:)

1,453~5,964 , 2001 2002 , 16,118 15,878 가
 2003 475 ,
 가

)

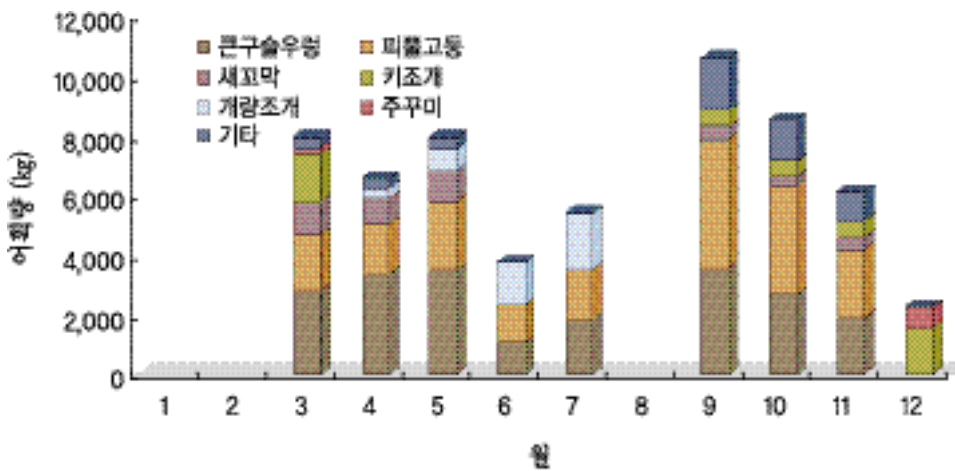
(CPUE)



()

2-23.

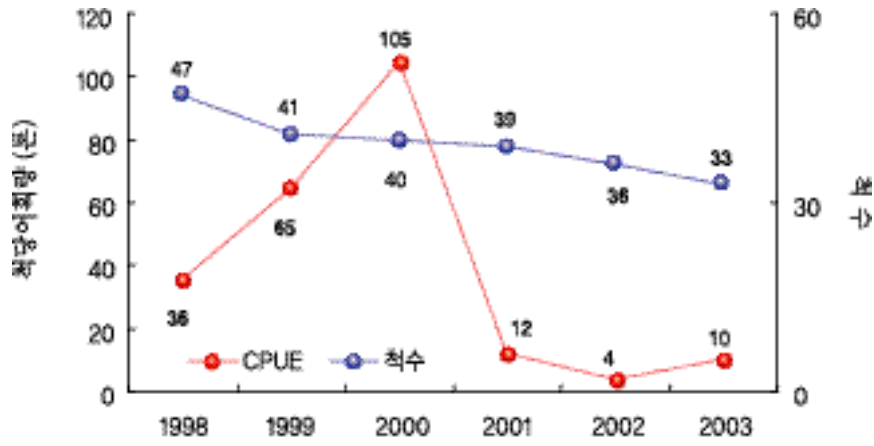
1998 1,683
 가 2000 4,188 가 , 2002 144
 가 . 2003 336 . 1998 17
 1999 2000 84 가 2001 3
 , 2003 7



()

2-24.

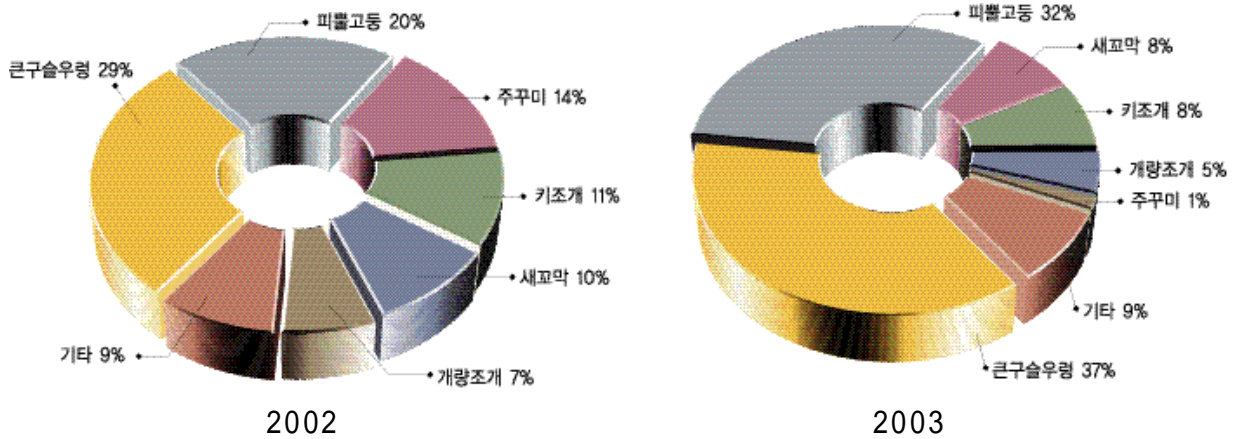
9 10,58kg 가 , 12 2,250kg 가 . 1, 2 8
 12
 28~51%, 24~43% , 12 가 70% 가
 6~7 35~38%
 () 1~3 12~14%



2-25.

(CPUE)

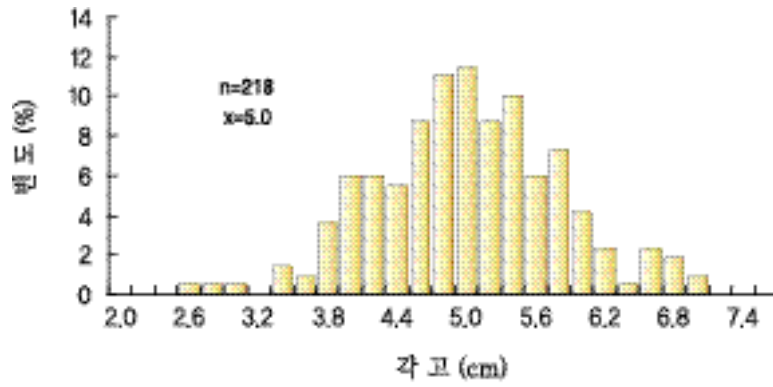
Year	CPUE	Catch
1998	36	47
2000	105	40
2001	12	39
2003	10	33



2-26.

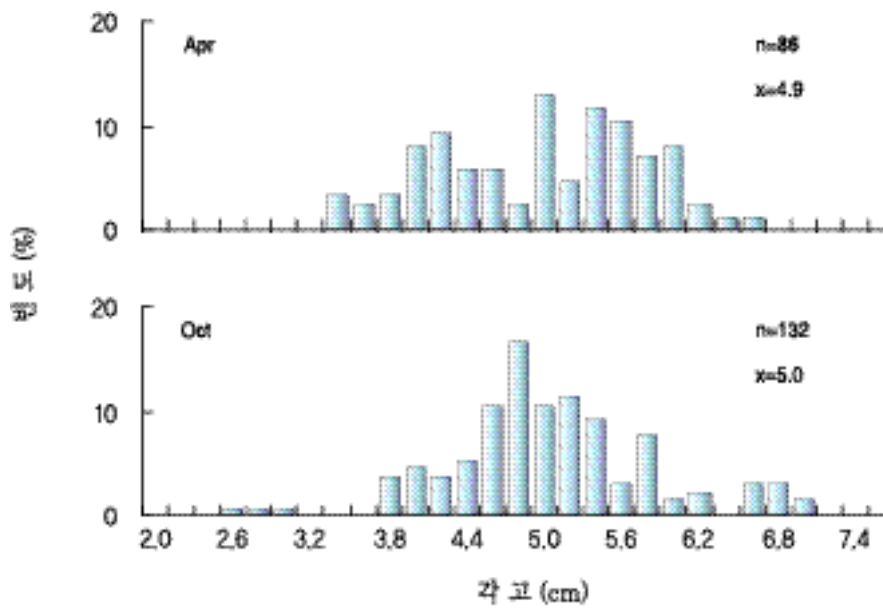
Year	Category	Percentage
2002	Large squid (큰구슬우렁)	29%
	Cuttlefish (피뿔고둥)	20%
	Squid (주꾸미)	14%
	Chiton (키조개)	11%
	Other (기타)	9%
	Open shell (개랑조개)	7%
	Small squid (새꼬막)	10%
2003	Large squid (큰구슬우렁)	37%
	Cuttlefish (피뿔고둥)	32%
	Squid (주꾸미)	8%
	Chiton (키조개)	8%
	Open shell (개랑조개)	5%
	Other (기타)	9%

174 , 184



2-27.

4 10 218
 5.0cm(2.6~6.0m) , 4.9~5.0cm 가 11.5%
 가



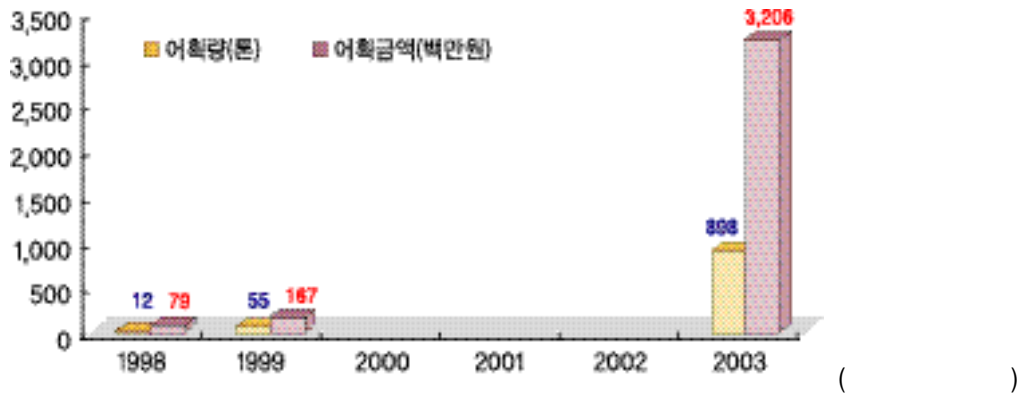
2-28.

가 4.9cm(3.3~6.5m) mode 4.9~5.0m
5.0cm(2.6~6.0m) , 4.7~4.8cm
12.8% , 4
.10
가16.7% 가 .

, 1994 12,412
2002 144 , 2003 336

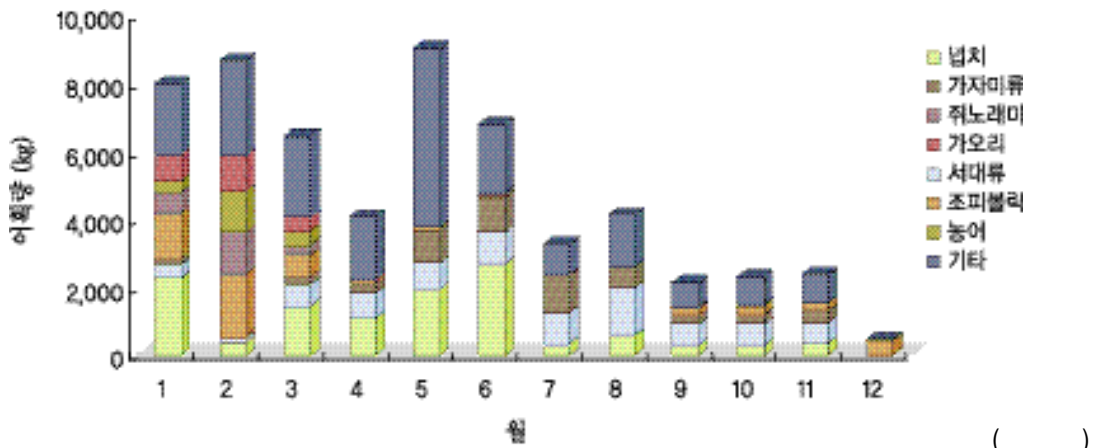
)

(CPUE)



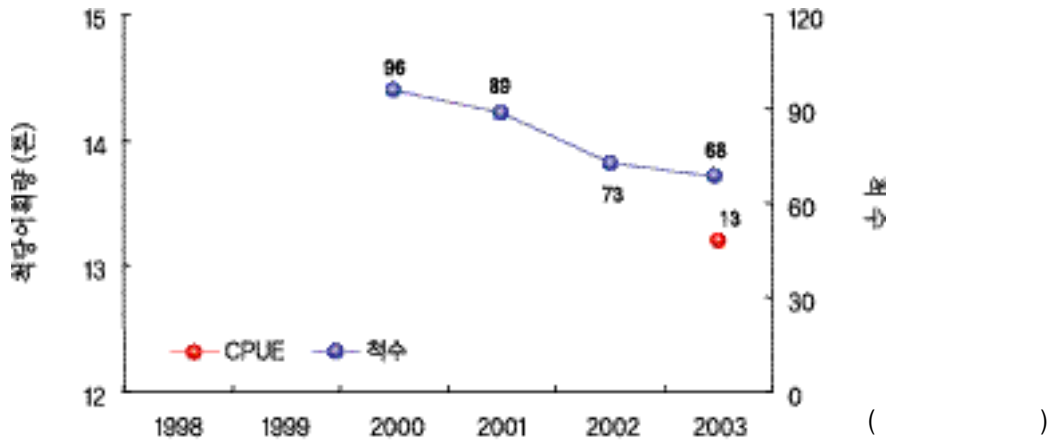
2-29.

1998 12
 1999 55 가 2000~2002
 가 2003 898
 가 2003 32



2-30.

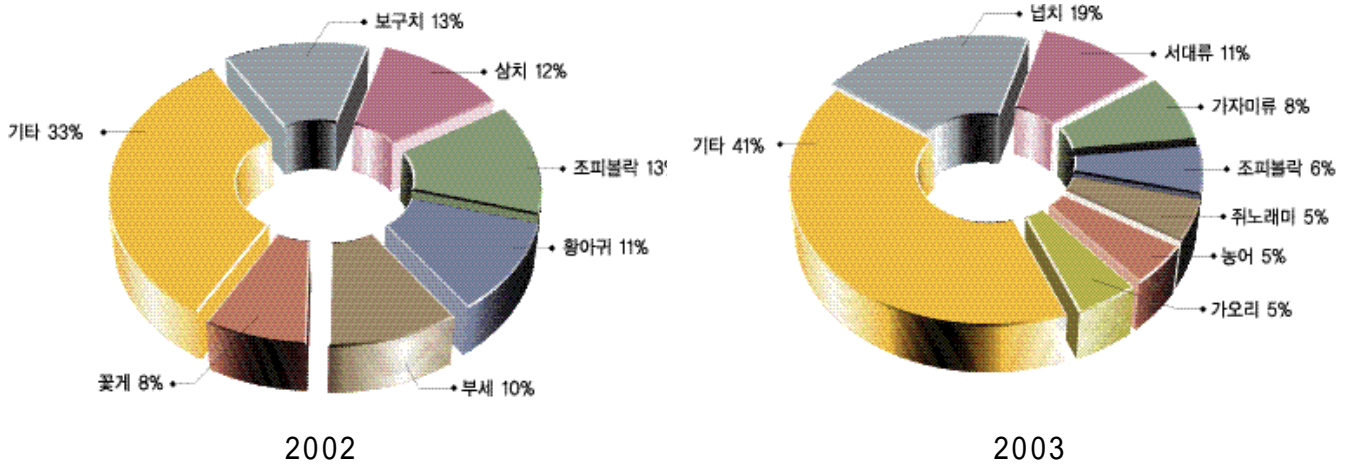
9,034g 가 , 12 496kg 가 , 5
 7~12 1~6
 가 11~40% 12
 4~11 10~34% . 가
 6~8 15~35% , 1~2 12
 17~87%



2-31.

(CPUE)

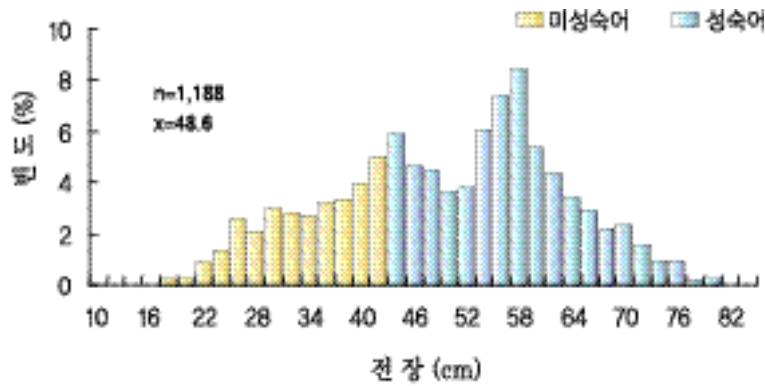
. CPUE 2000 96 가 2003 13
 . 2003 68



2-32.

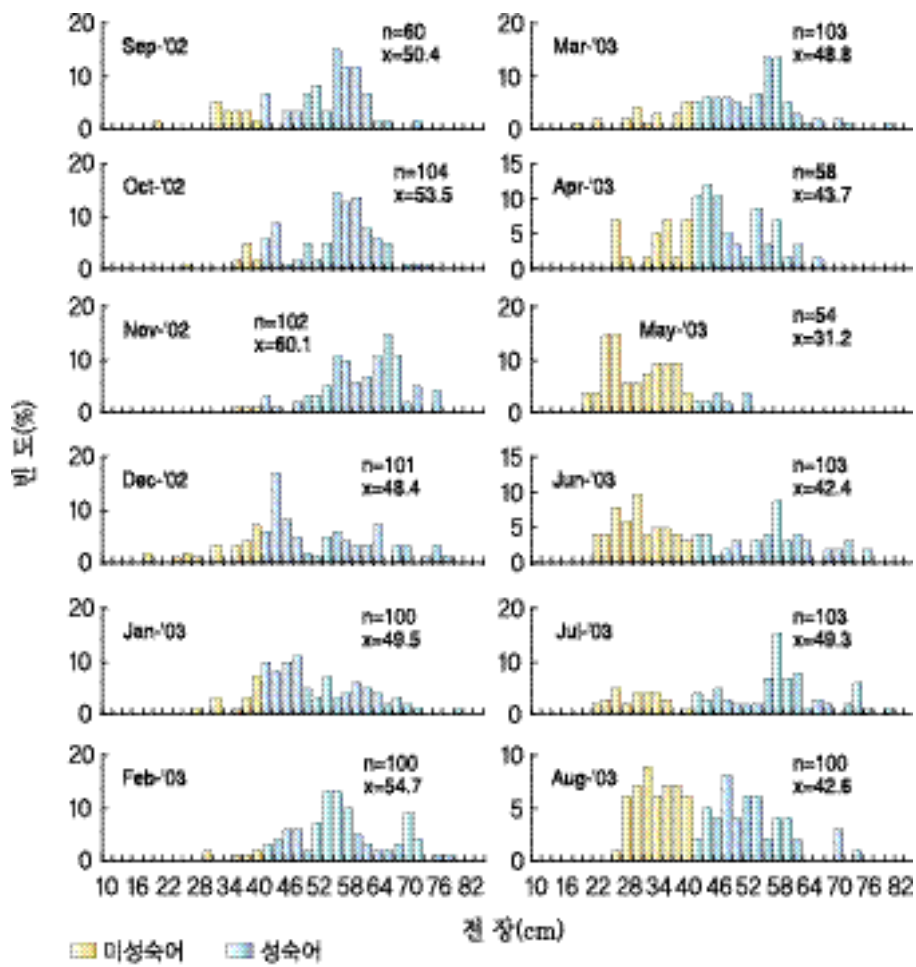
10~12 , 2002 , 13% 가
 , 13%, 12%, , , . 2003 가 19%
 가 , 11%, 가 8% , , 가

173, 174, 184



2-33.

2002 9 ~2003 8 1,188
 48.6cm(16.6~79.0cm) , 56.1~58.0cm 가 8.4%
 가 41cm 26.3% .
 , 2002 9 50.4cm(18.6~71.0m) , mode
 54.1~56.0m 15.0% . 18.3% . 10
 53.5cm(24.5~73.0m), mode 54.1~56.0m 14.4% . 11 60.1cm
 (36.0~75.0m) 가 , 64.1~66.0cm 가 14.7%
 가 2.9% 가 . 12 48.4cm(16.9~77.8
 cm), mode 42.1~44.0m 16.8% . 22.8% . 2003 1
 49.5cm(26.3~79.0m) , mode 46.1~48.0m 11.0% 15.0%
 . 3 48.8cm(16.6~78.0m) 20.4% . 5
 31.2m(19.4~51.0m) 가 , 22.1~26.0cm 가
 29.6% 가 . 87.0% 가 . 6
 42.4cm(20.4~75.0m), mode 28.1~30.0cm 9.7% . 51.5% .
 7 49.3cm(20.3~79.0m) 60.1~62.0m 가가 7.8%
 . 27.2% . 8 42.6cm(25.4~73.0m) , mode
 30.1~32.0m 9.0% , 49.0% .

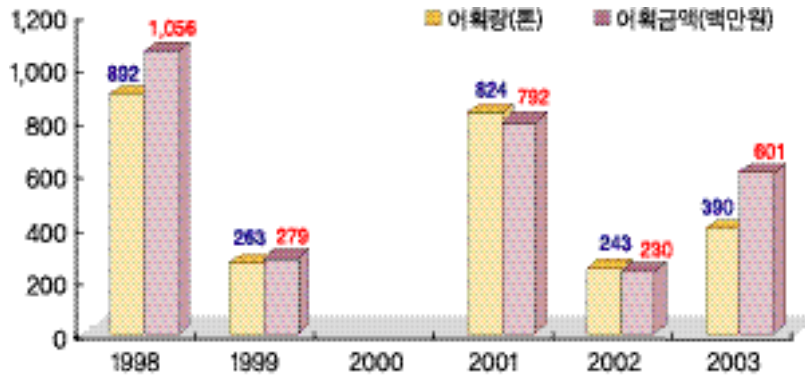


2-34.

, 1999 55 , 2003 898 1994 2 1996 52 가 .

)

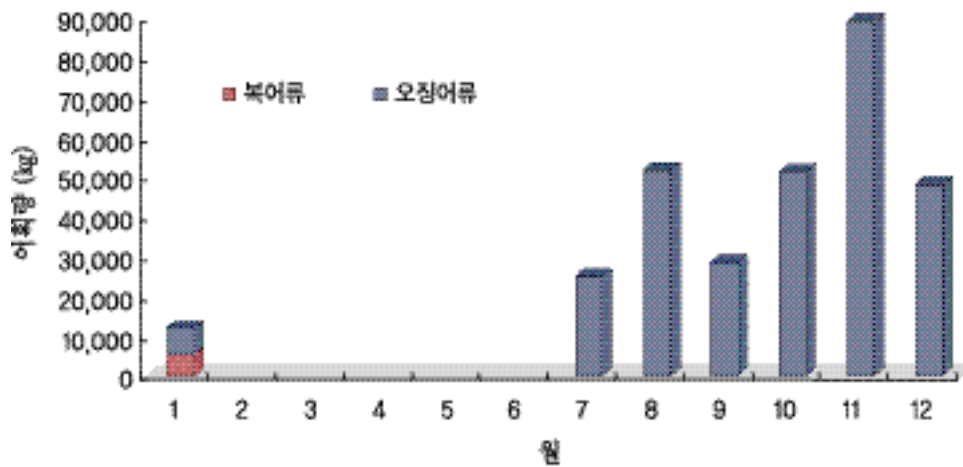
(CPUE)



()

2-35.

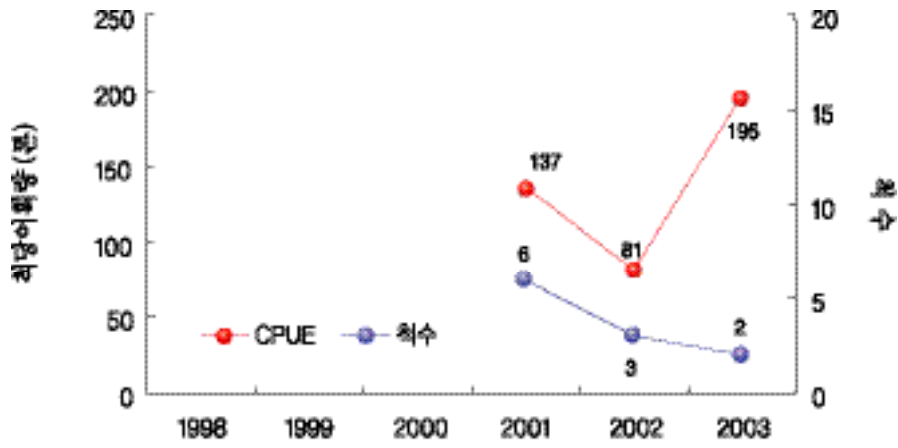
가 , 1998 892
 , 1999 263 2001 824 가 , 2002
 243 가 . 2003 390
 1998 11 가 2002 2 가 . 2003 6
 가 .



()

2-36.

11 89,000g 가 , 1 6,610g 가 . 2~6
 가 44%
 가 .



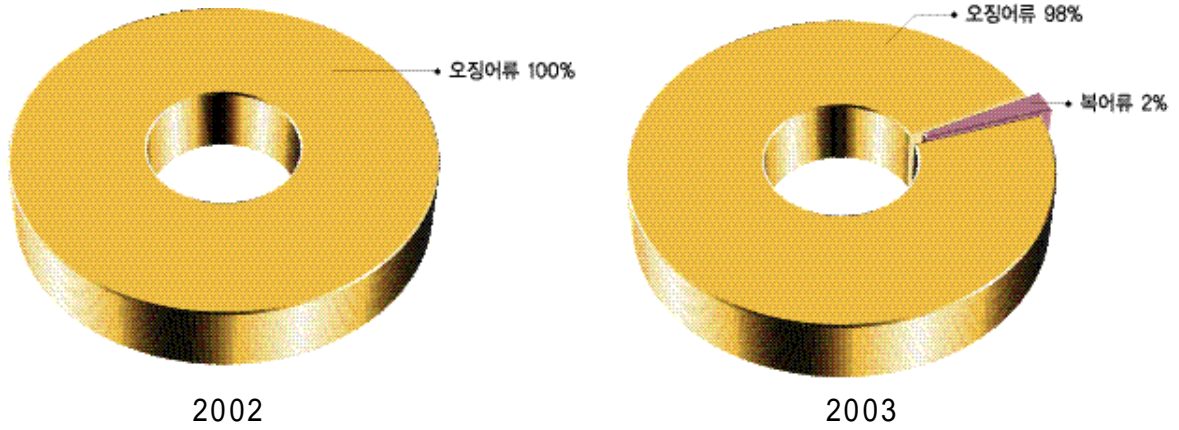
2-37.

(CPUE)

2001 6 , 2002 3 , 2003 2

CPUE 2001 137 , 2002 81 , 2003 195

가 .



2-38.

10~12

2002 ,

가 100% ,

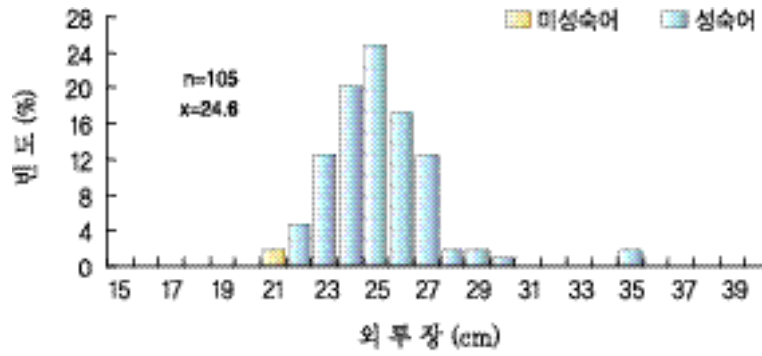
2003

가 98% ,

가 2% .

92, 93

87~89



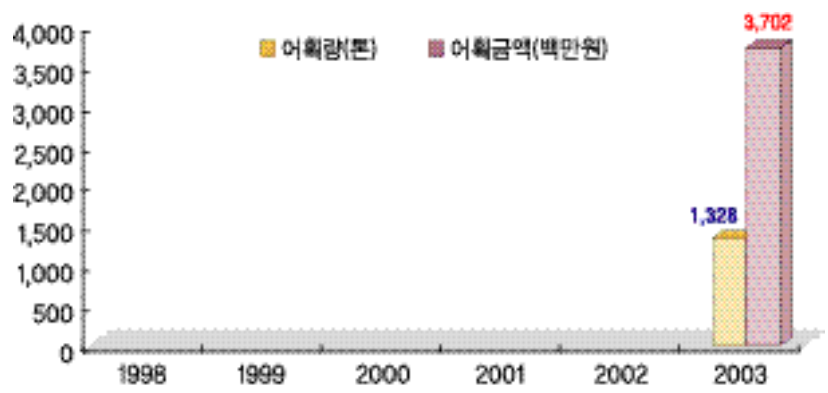
2-39.

2003 9 105
 24.6cm(20.5~34.8m) , 24.1~25.0cm 가
 24.8% 가 21cm 1.9%

1994 260 1998
 892 , 1999 263 , 2001 824 , 2003 390

)

(CPUE)



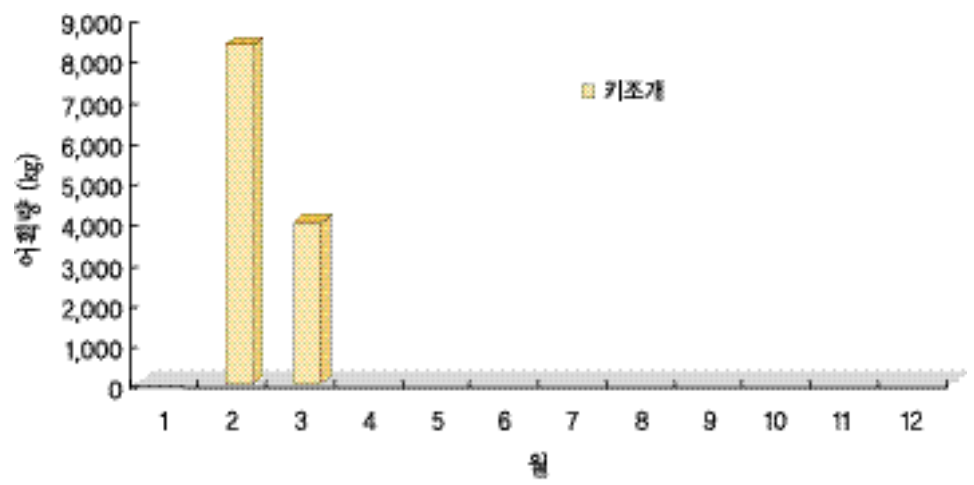
2-40.

()

. 1998 ~2002

, 2003

1,328 , 37



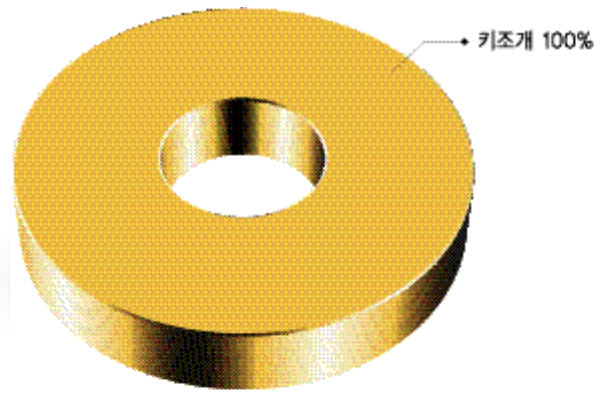
2-41.

()

, 2~3

2 8,330kg, 3

3,945kg



2003

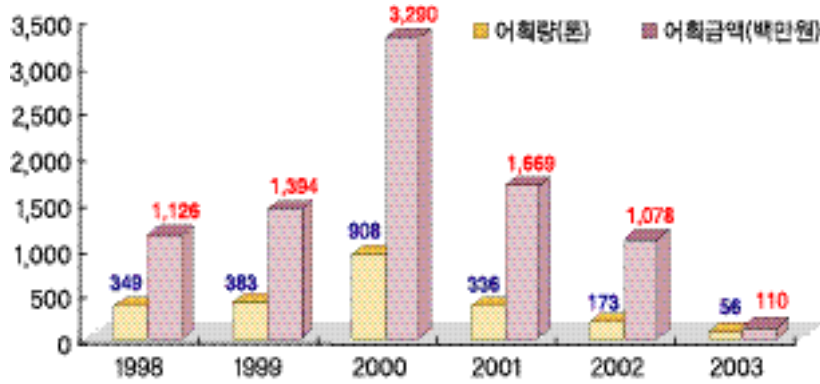
2-42.

가 100%

, 2003 1,328

)

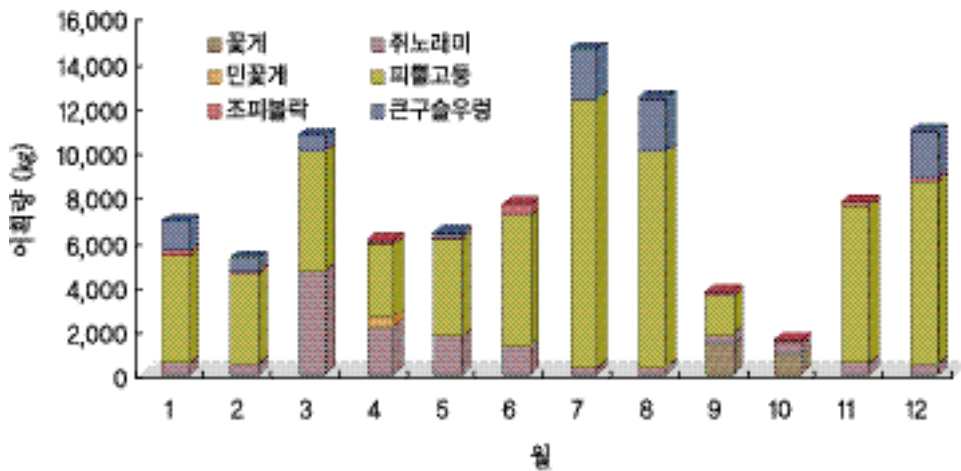
(CPUE)



()

2-43.

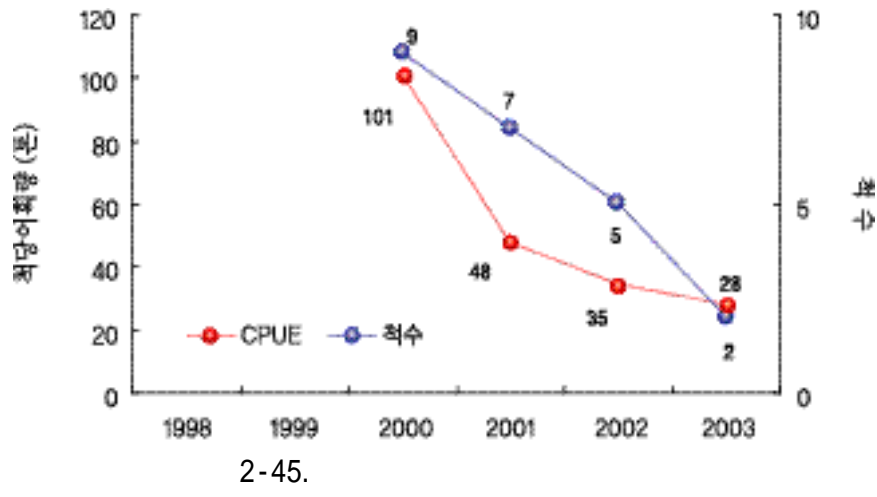
가 2000 908 가 , 1998 349
 가 . 2003 56
 , 2003 1 가 . 2000 33 가



()

2-44.

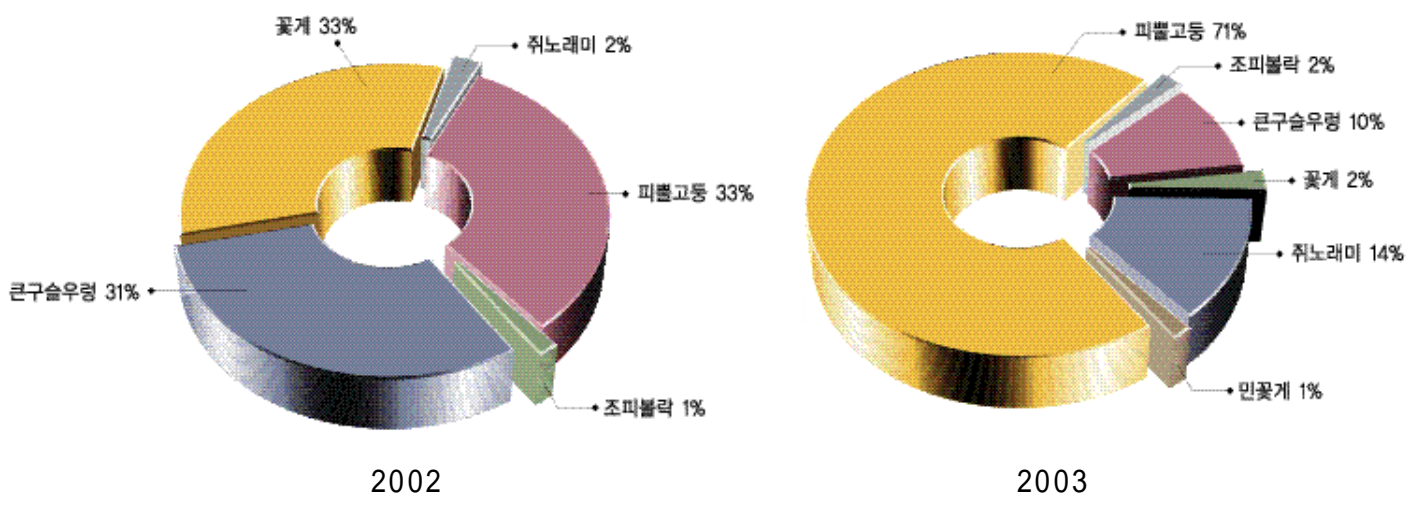
, 14,500kg 가 , 10 1,505kg 가 . 7~8
 가 10
 45~91% 가 , 9~10
 가 36~61% . 3~6 가
 16~44%



2-45.

(CPUE)

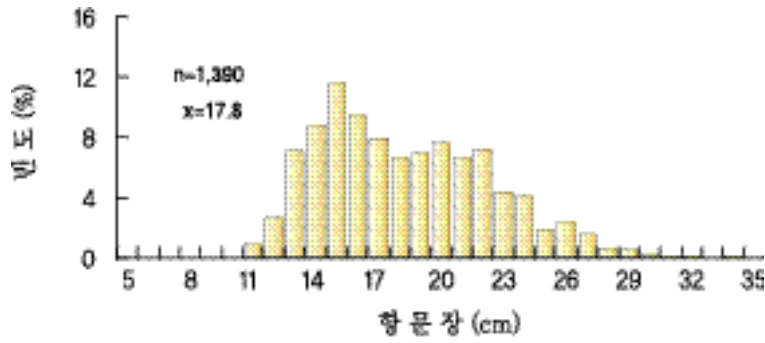
2000 9
 . CPUE 2000 101 2003 28 2003 2



2-46.

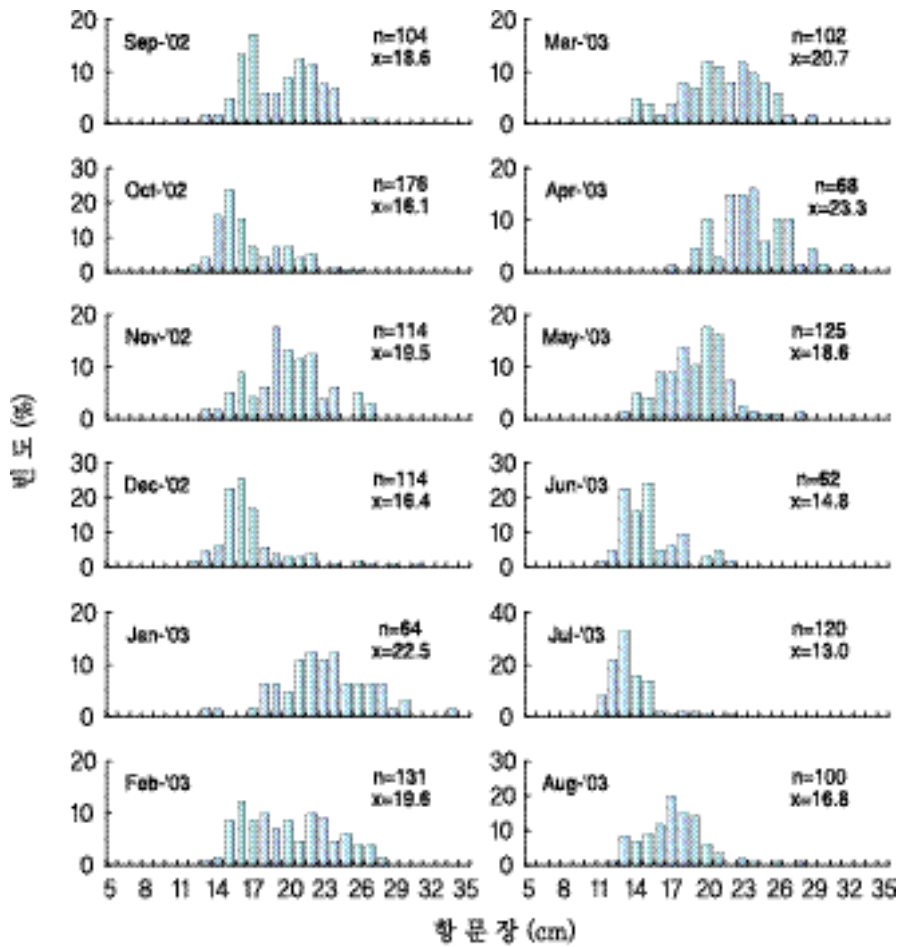
10~12 2002 , 33% 가
 , 가 33%, 31%, , 2003
 71% 가 , 14%, 10% , ,

174, 183 163, 173,



2-47.

2002 9 ~ 2003 8 (1,390) 17.8cm(10.2~33.4cm)
 , 14.1~15.0cm 가 11.6% 가 .



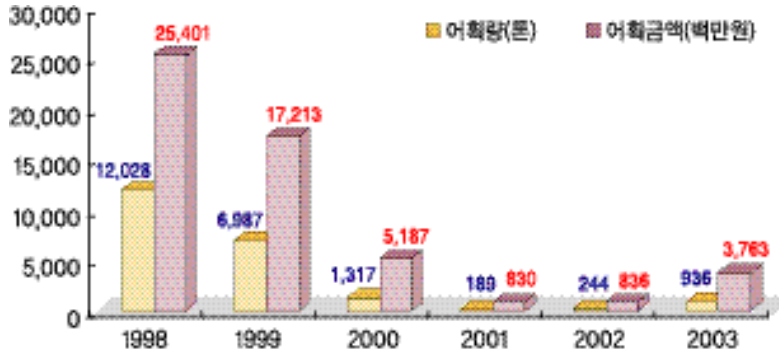
2-48.

, 2002 9 18.6cm(10.3~26.3cm) ,
 16.1~17.0n 가 17.3% 가 . 10 16.1cm(10.5~25.0n)
 , mode 14.1~15.0m 23.9% . 11 19.5cm
 (12.5~26.0n), mode 18.1~19.0n 17.5% . 12 16.4cm(11.4~30.8
 cm) 15.1~16.0n 가 25.4% 가 . 2003 1 22.5
 cm(12.6~33.0n) , mode 21.1~22.0n 23.1~24.0n 12.5% . 2
 19.6cm(12.9~28.0n), mode 15.1~16.0n 12.2% . 4
 23.3cm(16.9~31.0n) 가 , 23.1~24.0cm 가
 16.2% 가 . 5 6 mode 19.1~20.0n 14.1~15.0n
 17.6% 24.2% . 7 13.0cm(10.2~22.0n)
 가 , 11.1~12.0cm 가 21.7% 가 . 8 16.8
 cm(11.6~28.0) , mode 16.1~17.0n 20.0% .

, 1996 62 가
 2000 908 , 2003
 56 .

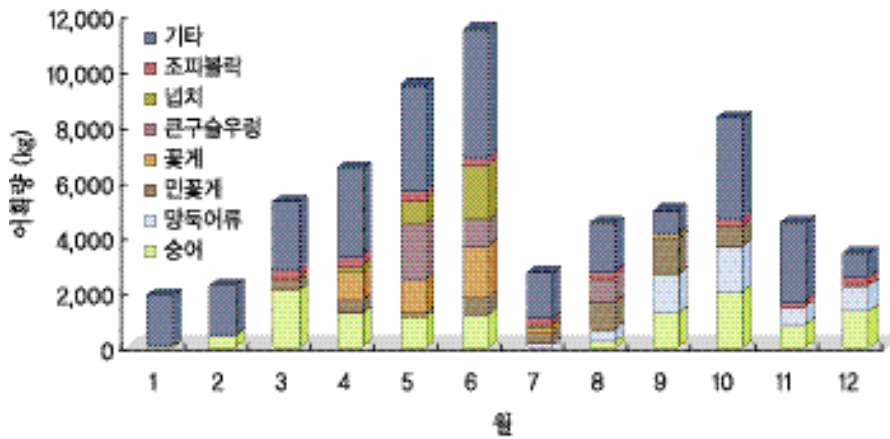
2)
가)

(CPUE)



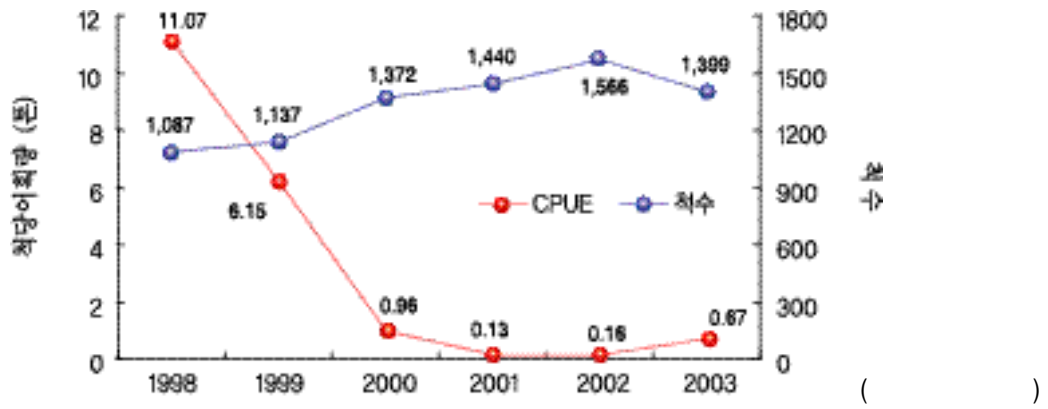
2-49.

1998
12,028 2001 189 가 , 가
2003 936 . 1998 254
가 , 2001 8 가 2003 38 가



2-50.

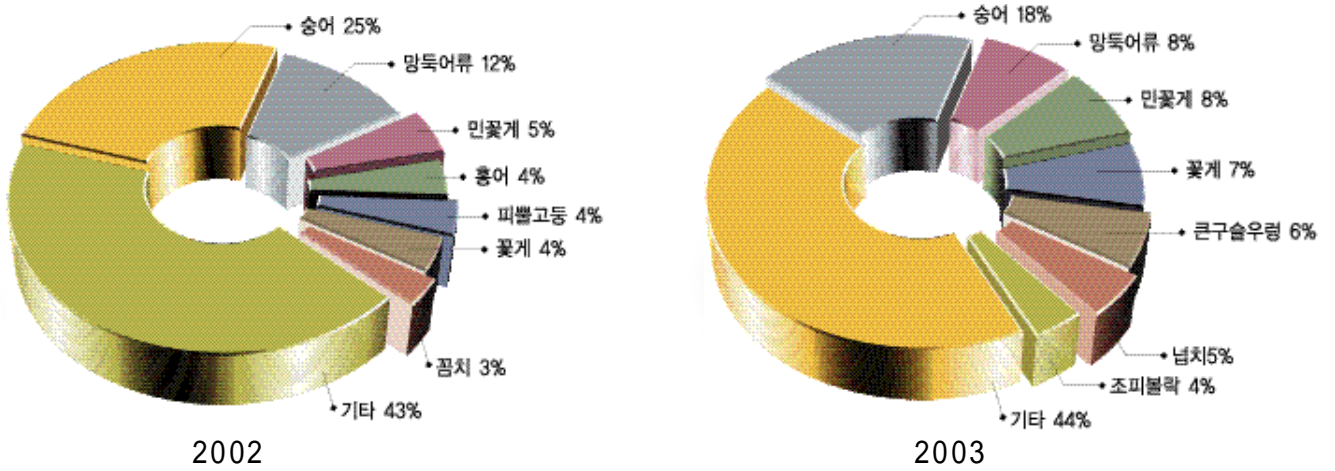
6 11,428g 가 , 1,822kg 가 . 5~6
1~2 , 7
가 3~39% , 9~12 가 13~29%
4~6 가 13~16%
6 16.8% 가
1~2



2-51.

(CPUE)

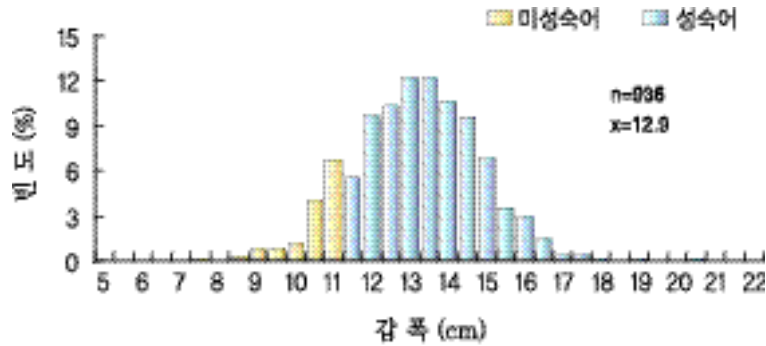
1998 1,087 가 2002 1,566
 , 2003 1,399 . CPUE , 1998 11.07
 2001 0.13 , 2003 0.67 .



2-52.

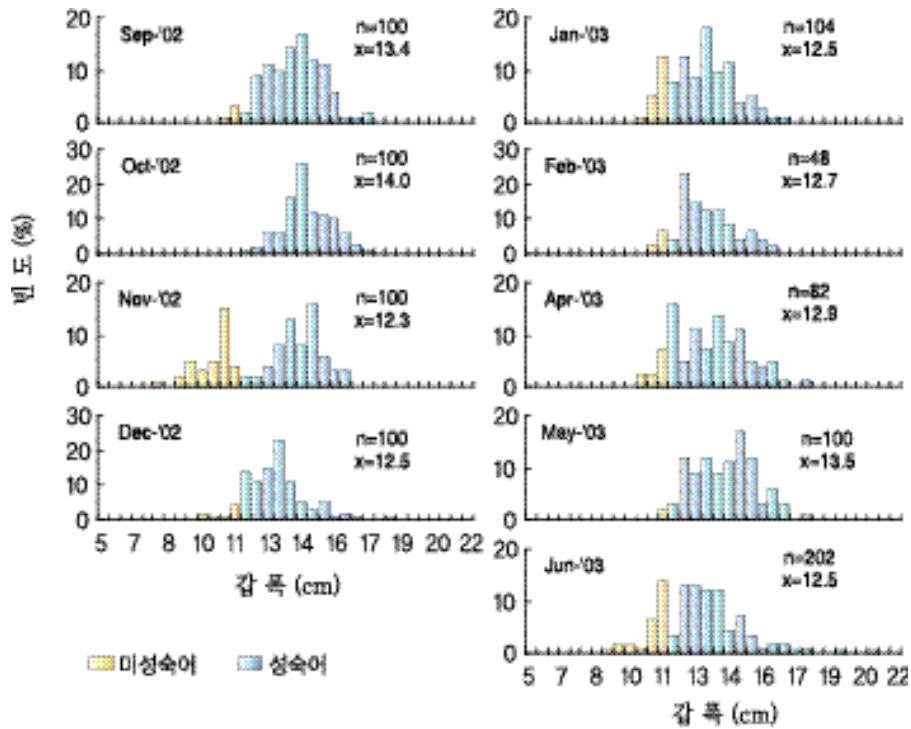
10~12 , 가 25% 가 ,
 12%, 5% , , . 2003 가
 18% 가 , 8%, 8%, 7% , ,

184, 185



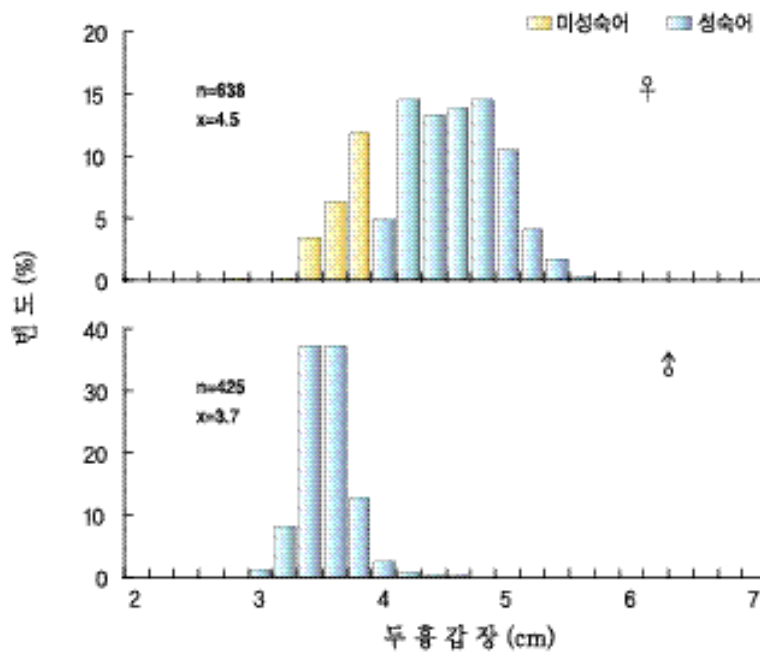
2-53.

2002 9 ~2003 6 936
 12.9cm(7.5~20.cm) , 12.6~13.0cm 13.1~13.5cm
 가 12.2% 가 11cm 14.1%
 , 2002 9 13.4cm(10.3~16.7cm) ,
 13.5~14.0cm 가 17.0% 가 4.0% . 10
 14.0cm(11.1~16.7cm) , mode 13.5~14.0cm 26.0% . . 11
 12.3cm(7.5~15.9cm) , 14.1~14.5cm 가 16.0% 가 .
 35.0% 가 . 12 12.5cm(9.3~17.8cm)
 , mode 12.6~13.0cm 23.0% . 2003 1 12.5cm(9.6~16.3
 cm), mode가 12.6~13.0cm 18.3% 18.3% . 2
 12.7cm(10.1~16.0cm), mode가 11.6~12.0cm 22.9% 8.3% . 4
 12.9cm(9.8~17.1cm) 11.1~11.5cm 가 15.9% 가 .
 12.2% . 5 13.5cm(10.9~17.2cm) , mode 14.1~14.5
 cm 17.0% 2.0% . 6 12.5cm(8.3~20.cm) ,
 10.6~11.0cm 가 13.9% 가 . 24.8%

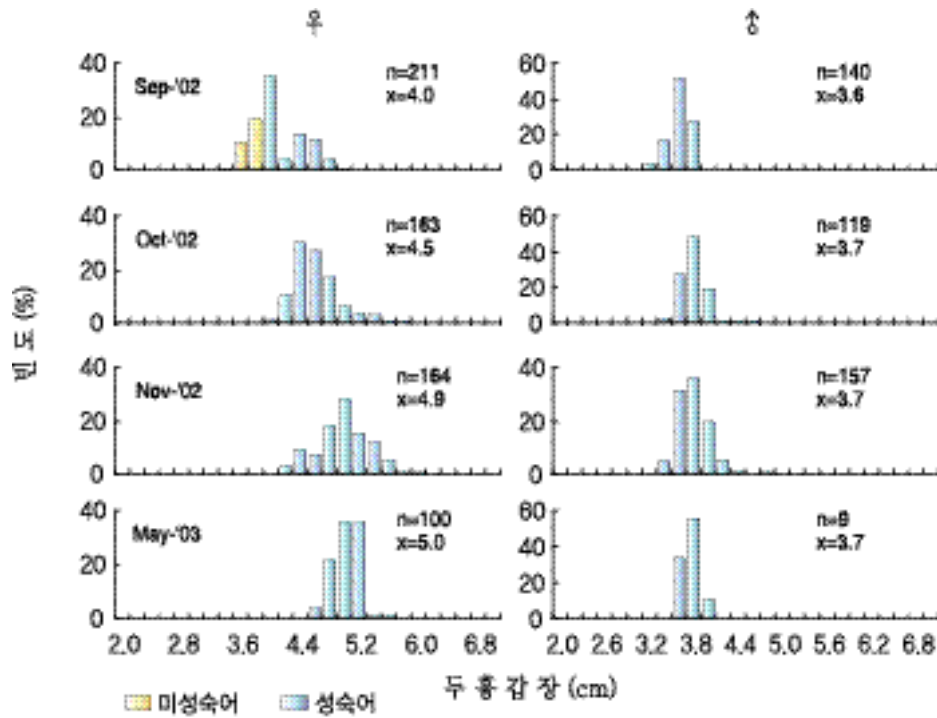


2-54.

2002 9 ~ 2003 5 638
 4.5cm(3.0~5.0m) , 4.1~4.2cm 4.7~4.8m
 가 14.6% 가 . 3.8cm
 21.9% . 425 3.7cm(3.1~4.0m) ,
 3.5~3.8m 가 74.3% .



2-55.



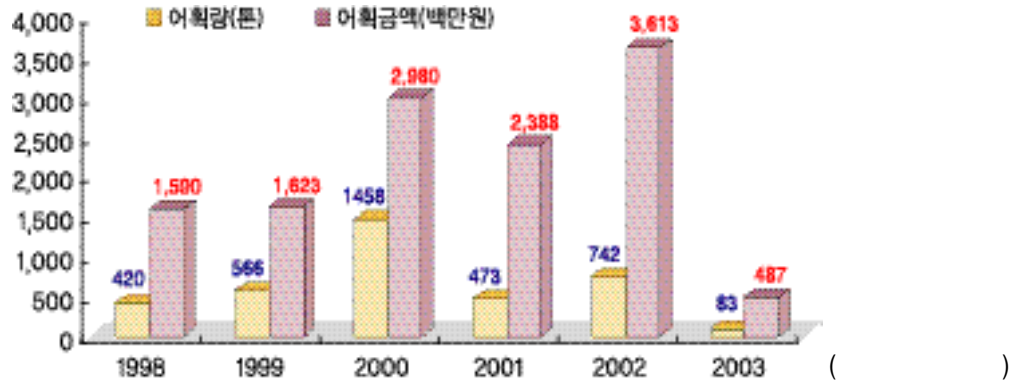
2-56.

가 4.0cm(3.0~5.0m) , mode 3.9~4.0m 35.1%
 가 30.3% . 10
 4.5cm(4.0~5.0m) , 4.3~4.4cm 가 30.1%
 . 11 4.9cm(4.1~5.0m) , mode 4.9~5.0m 28.0%
 . 2003 5 5.0cm(4.5~5.5m) 가
 , 4.9~5.2cm 가 72.0% . 2002 9
 3.6cm(3.1~3.8m) 가 , mode 3.5~3.6m
 52.1% . 10~11 2003 5 3.7cm
 3.7~3.8m 가가 .

1994 4,995 가
 , 1998 12,028 2001~2003
 189~936 . 2000

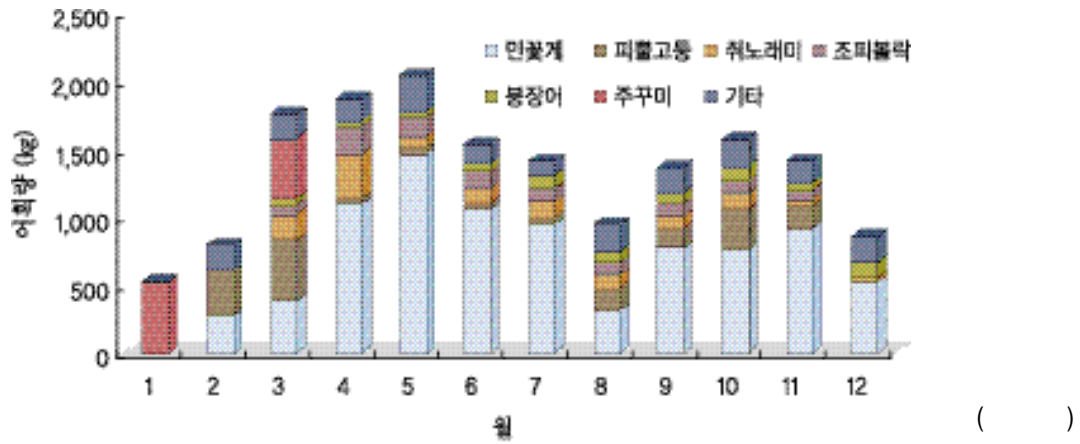
)

(CPUE)



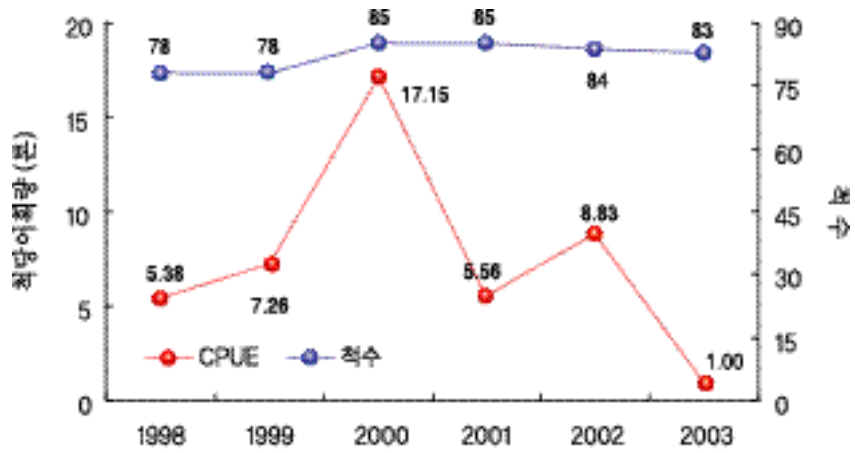
2-57.

1998 420
 가 2000 1,458 가 , 2003 83 가
 1998 16 2000 30 가 , 2002 36
 가 . 2003 5 .



2-58.

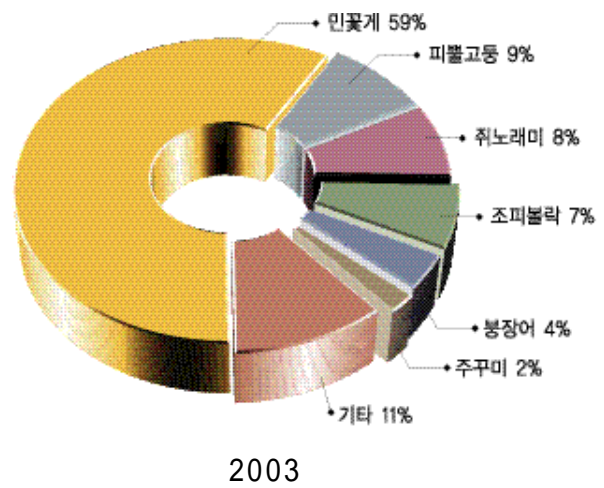
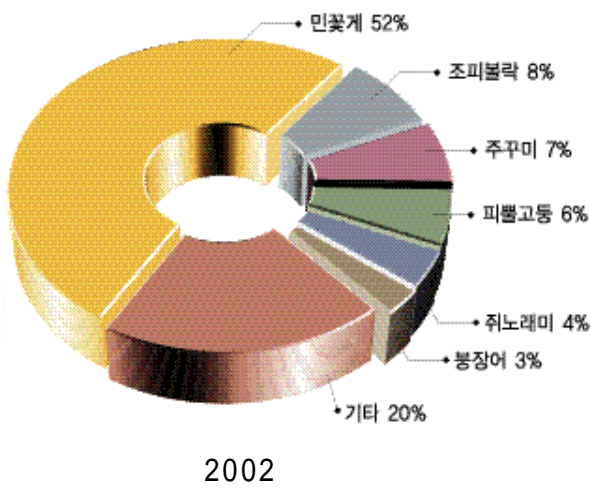
5 2,040kg 가 , 1 530kg 가 . 3~5
 , 1~2 12 .
 가 1 22~69% , 1
 . 2~11 3~43% ,
 3~12 3~17% . 1~2



2-59.

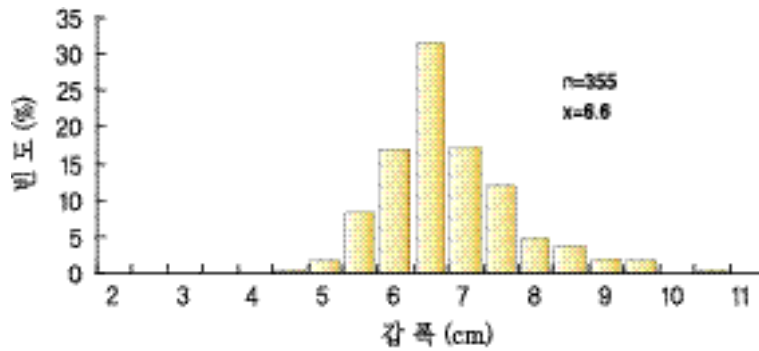
(CPUE)

가 , 2002 2003 84 , 83 . CPUE ,
 1998 5.38 가 2000 17.15 , 2003 1.00



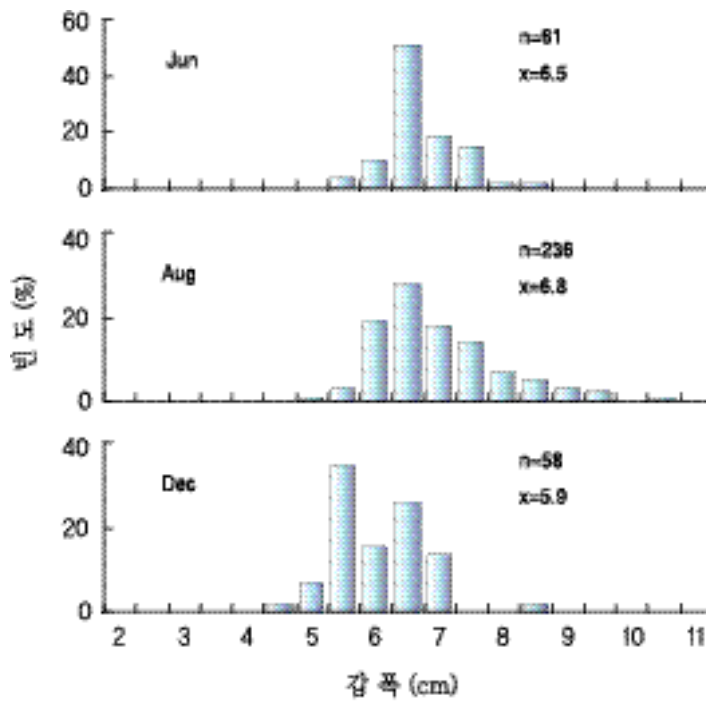
2-60.

10~12 2002 가 52% 가 ,
 8%, 7% , , . 2003
 가 59% 가 , 9%, 8% , ,
 , , 174, 184, 185



2-61.

6~10 355 가 31.5% 가
 6.6cm(4.5~10 cm) , 6.1~6.5cm



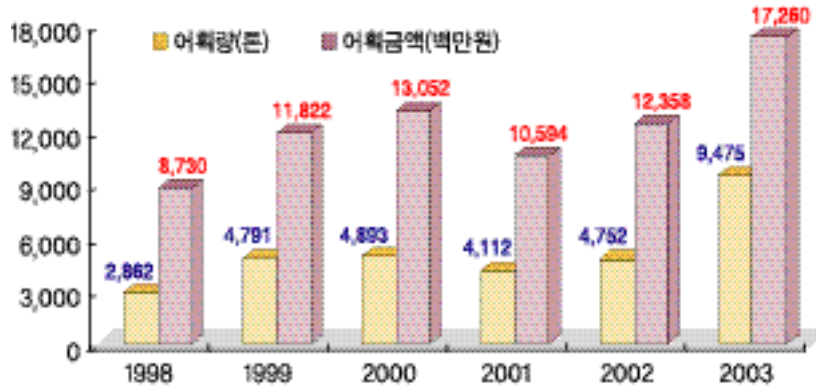
2-62.

, 6 6.5cm(5.2~8.0m) , mode 6.1~6.5m
 50.8% . 10 6.8cm(4.6~10.1m) 가
 , 6.1~6.5cm 가 28.0% . 12
 5.6cm(4.5~8.0m) 6.1~6.5m 가 31.5% 가 .

, 1994~1997 8~90
 , 1998, 1999, 2000 420 , 566 , 1,458 가
 . 2002 742 2003 83 .
 2000 .

)

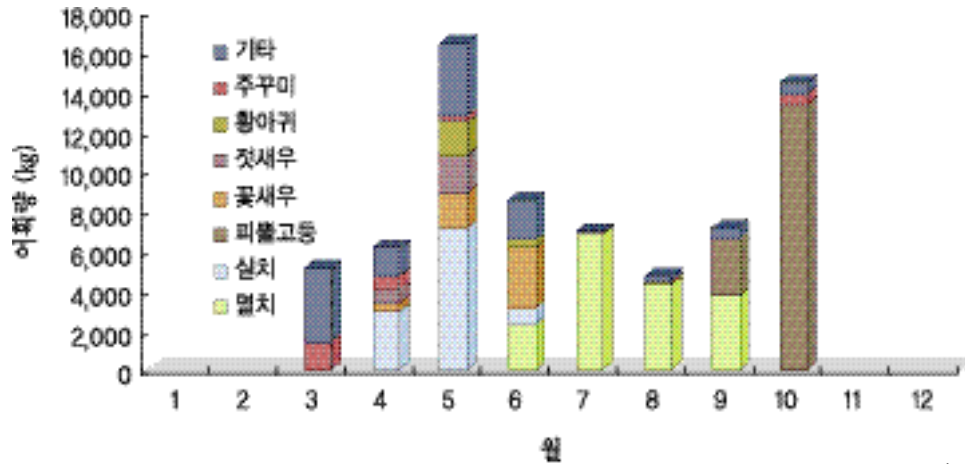
(CPUE)



()

2-63.

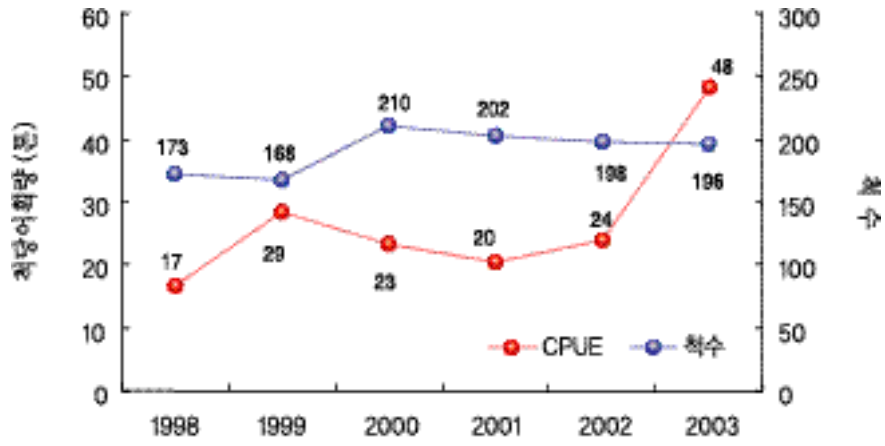
1998
2,862 1999 4,791 가 가 2003
9,475 가 . 1998 87 1999 118
가 2003 173 가 .



()

2-64.

, 5 16,357kg 가 , 8 4,670kg 가 . 5
10 . 6~9 가 27~99%
, 3~4 가 12~29% . 4~5
() 44~48% , 9~10
41~93% . 4~5 10% .



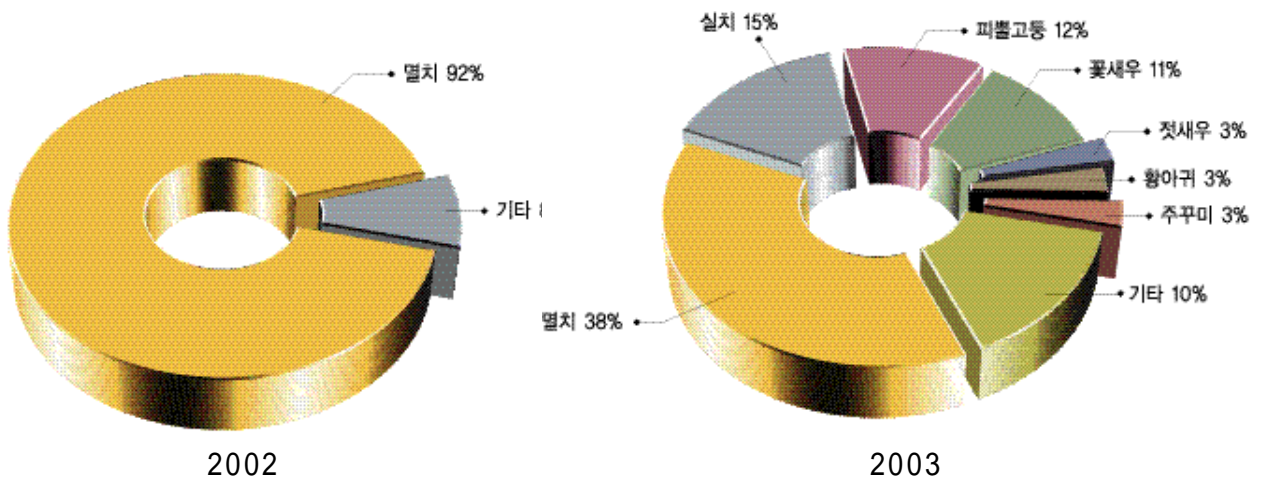
2-65.

(CPUE)

1998 173 2000 210 가

2003 196 CPUE , 1998 17

1999 29 가 2001 20 , 2003 48 가



2-66.

10~12 2002 , 가 92%

2003 가 38% 가 , 가 15%,

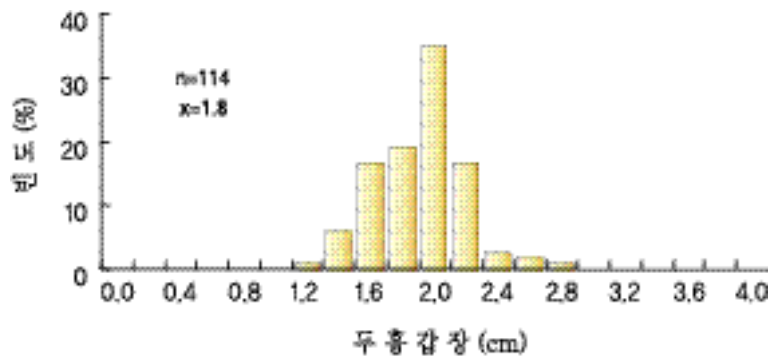
12%, 가 11%, , , .

175

, 184

9
()

()
가



2-67.

9

114

1.8cm(1.1~2.6m)

, 1.9~2.0cm

가 35.1%

가

1995

7,626

가

1997 2,284

1994

5,588

가

, 2003

9,475

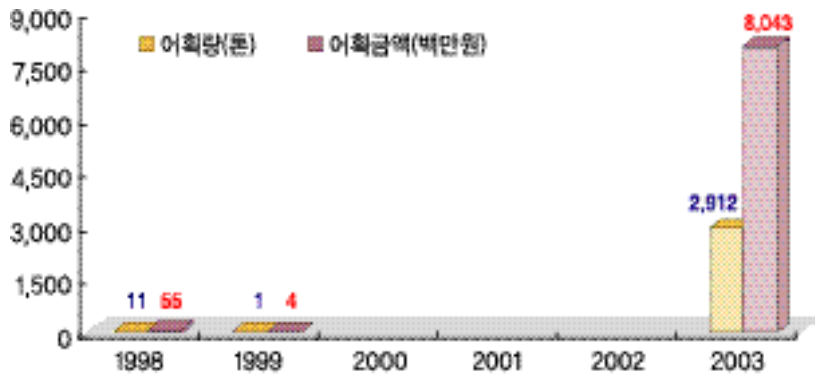
. 1997

3

가 38~68%

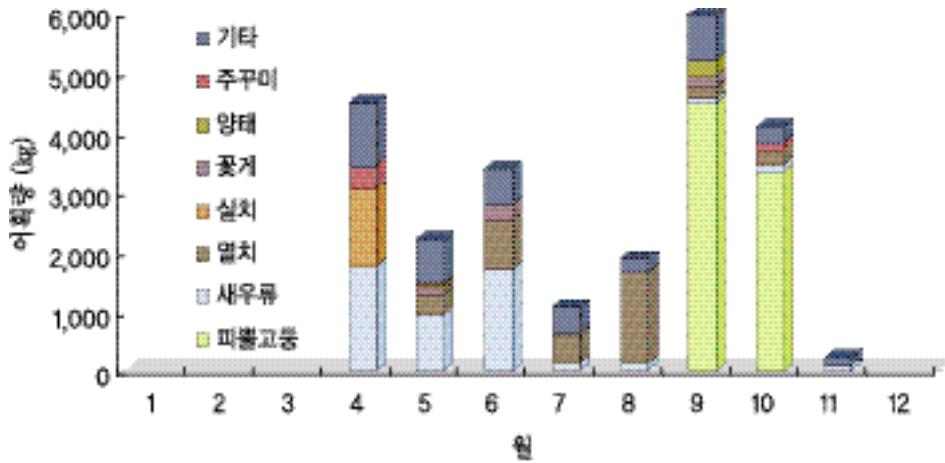
) ()

(CPUE)



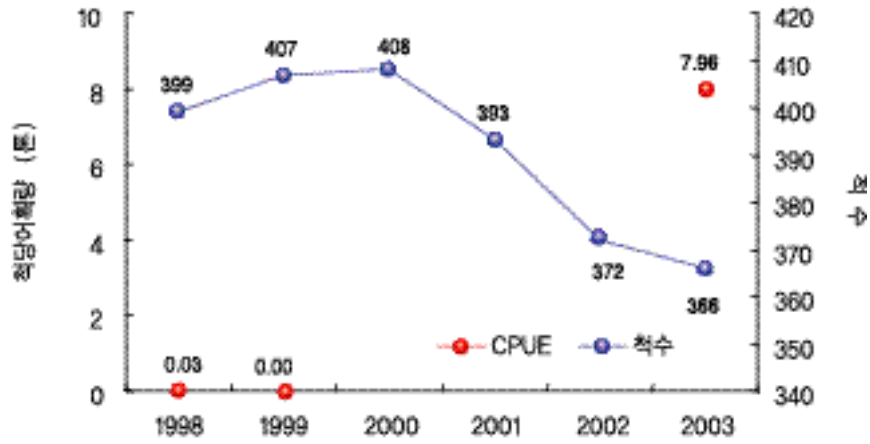
2-68.

() 1998
 11, 1999 1, 2003 2,912 가 . 2000~2002
 1998 55, 1999 4, 2003 80
 가



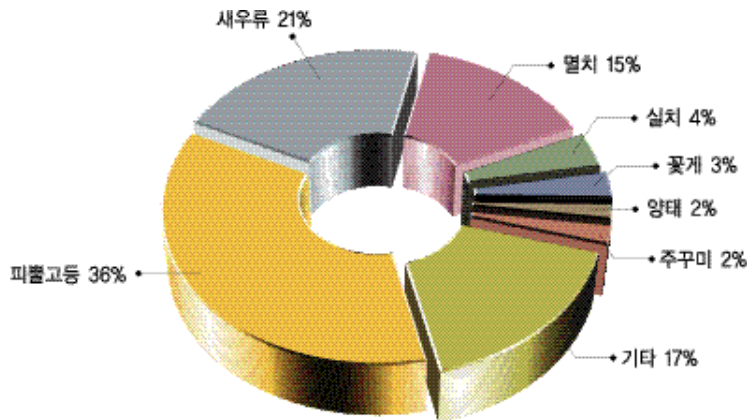
2-69.

()
 , 9 5,783kg 가 , 7 1,04kg 가 . 1~3
 12 가 1~51%
 , 9~10 76~82% 가 .
 5~10 3~82% , 4 ()
 29% . 5~6 9 , 4~5



2-70.

() (CPUE)
 1998 399 2000 408 가
 2003 366 . CPUE , 1998 0.03
 , 2000~2002 , 2003 7.96 .



2003

2-71.

36% 가 , 가 21%, 15%,
 (), , , .
 () , 184 ,

()

7~9 ()

113 , 138

30.2mm(17.2~43.0mm) , 32.1~33.0

mm 33.1~34.0mm 가 8.0%

가 .

28.0mm(18.5~39.0mm) , 29.1~30.0mm

가 10.1% 가

7

34.5mm(24.2~43.0mm) 가

, 32.1~33.0mm 37.1~38.0mm 가 14.3% 가 .8

가 24.1mm(17.2~33.0mm) , mode 21.1~22.0mm

22.1~23.0mm 15.9% .9

33.2mm(28.3~38.0mm)

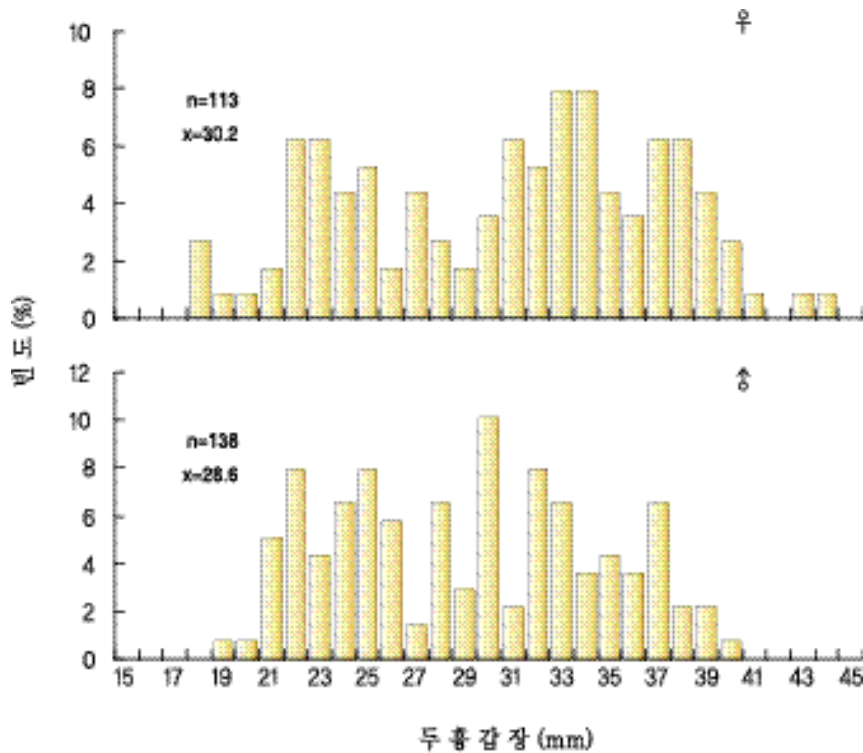
, 30.1~31.0mm 가가 20.0% .7

33.0mm(25.9~39.0mm), mode 31.1~32.0mm 15.9% .8

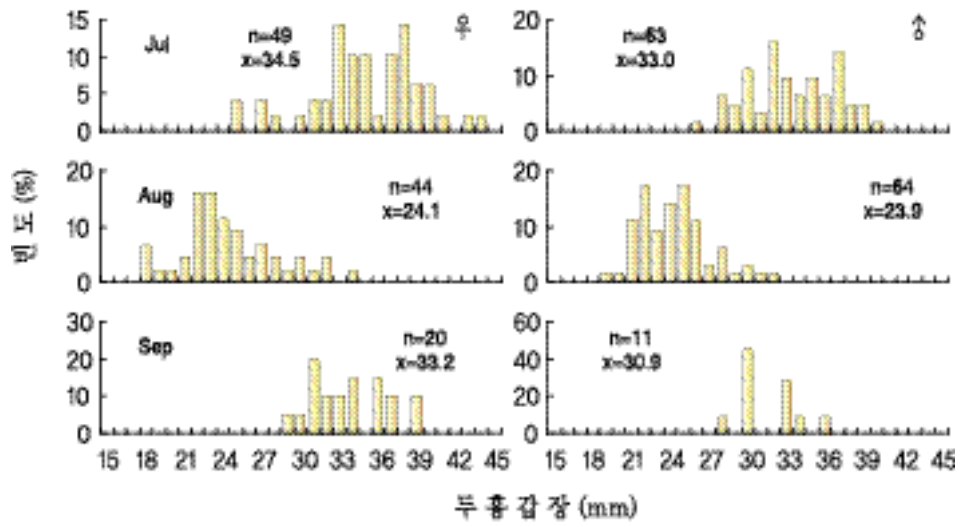
23.9mm(18.5~31.0mm) , 9

30.9mm(27.5~35.5

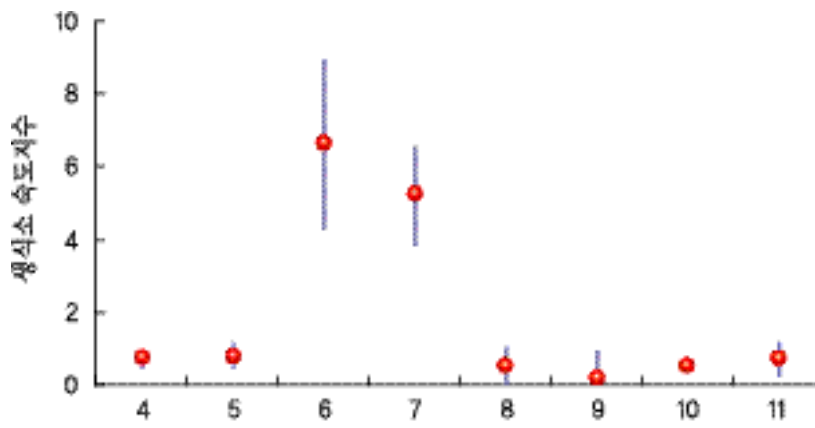
mm) , 32.1~33.0mm 가 27.3% 가 .



2-72.

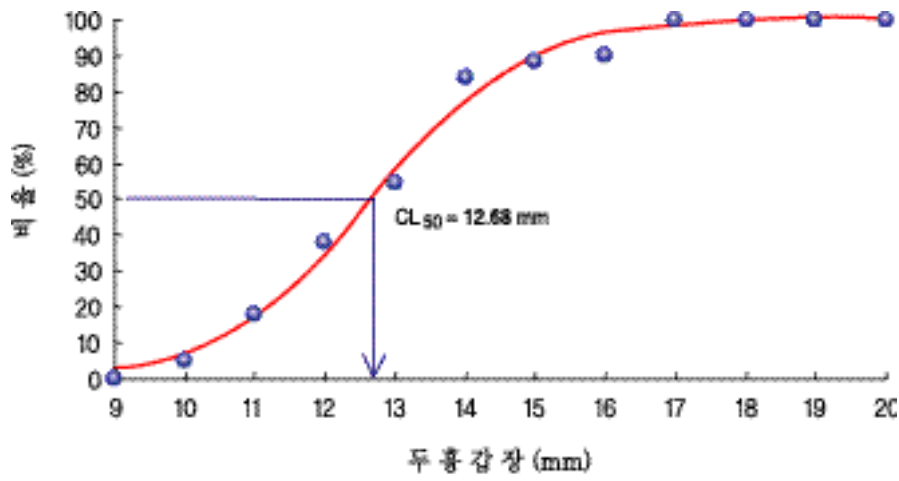


2-73.

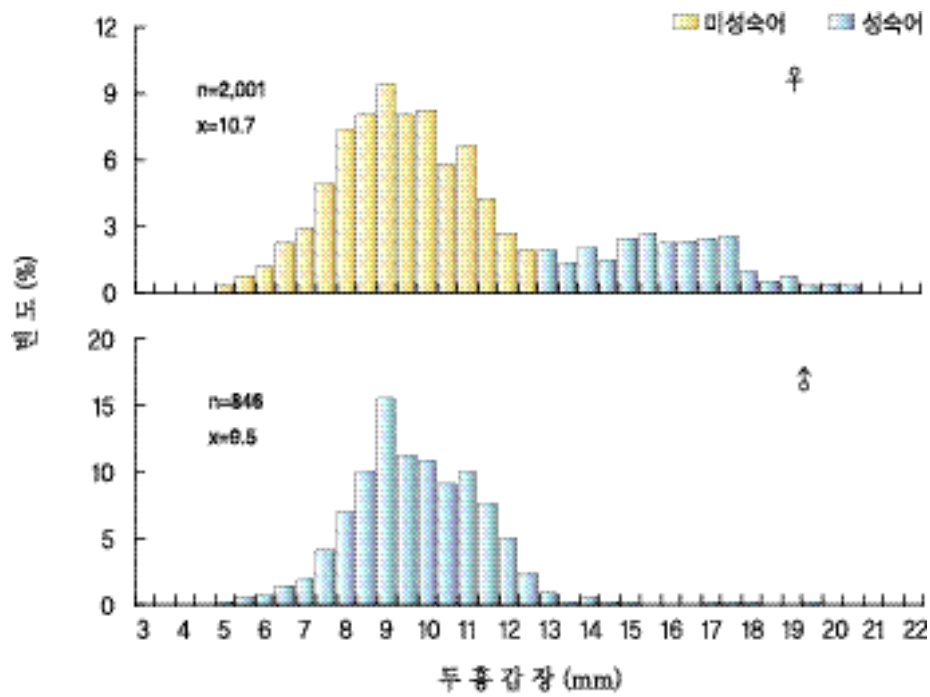


2-74.

(/ ×100) ,
 9 ~5 0.70~0.80 , 6 6.64 가 7
 5.24 . 8 0.52 , 9~11
 0.18~1.13 . 6~7 .
 50% 12.7mm .

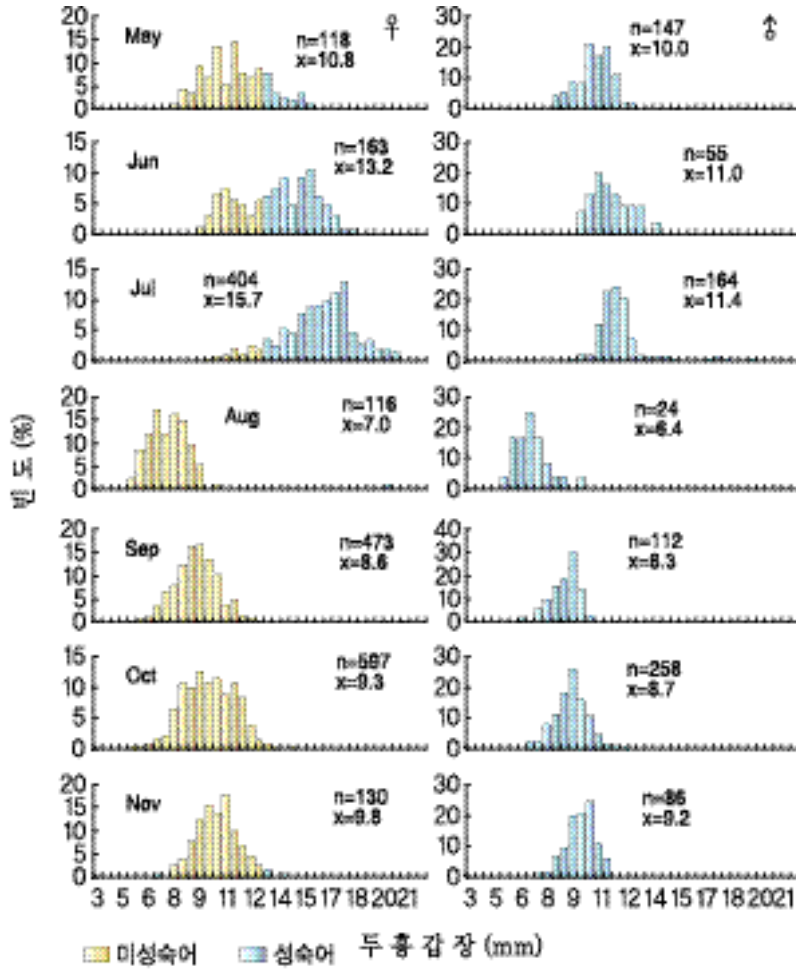


2-75.



2-76.

5 ~11 () 847
 , 10.7mm(4.5~20.0mm) , 8.6~9.0mm 가
 9.4% 가 . 12.7mm
 74.95% . 9.5mm(5.0~19.0mm)
 , 8.6~9.0mm 가 15.6% 가 .



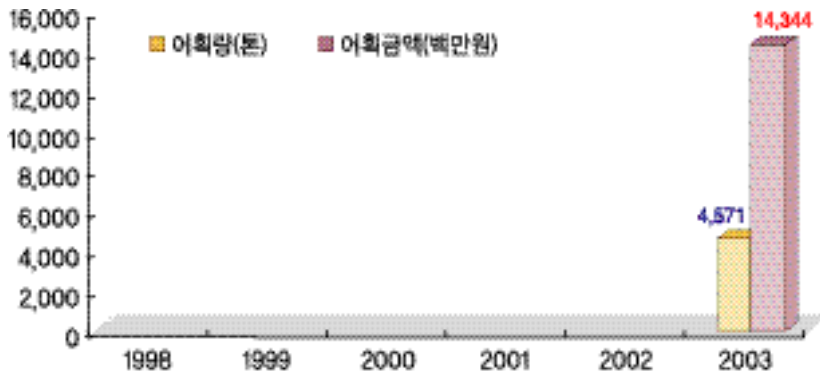
2-77.

10.6~11.0mm 14.4% 5 10.8mm(7.4~15.0mm) mode
 13.2mm(8.8~17.0mm) 가 , 15.1~15.5mm 가가 10.4%
 . 37.4% . 7 15.7mm(9.5~20.0mm)
 가 , mode 17.1~17.0mm 12.6% . 9.4% 가 .
 8 가 7.0mm(4.6~19.0mm) 가 , mode
 6.1~6.5mm 17.2% . 9 10 8.0mm(4.7~20.0mm),
 9.3mm(5.8~11.0mm) , 99.6%, 98.7% . 11
 9.8mm(6.0~13.0mm) , 10.1~10.5mm 가가 17.7%
 . 5~7 10.0mm(7.8~15.0mm), 11.0mm(9.1~13.0mm),
 11.4mm(8.7~19.0mm) , 8 가
 6.4mm(5.0~9.0mm) . 6.1~6.5mm 가 25.0% 가 . 9
 ~11 8.3mm(5.8~11.0mm), 8.7mm(6.1~11.0mm), 9.2mm(6.9~11.0mm)
 . Mode 8.1~8.5mm(18.8%), 8.6~9.0mm(26.0%), 9.6~10.0mm
 (24.4%) .

가 () , 1994 353
) 가 2003 2,912 . 2003 (
94% .

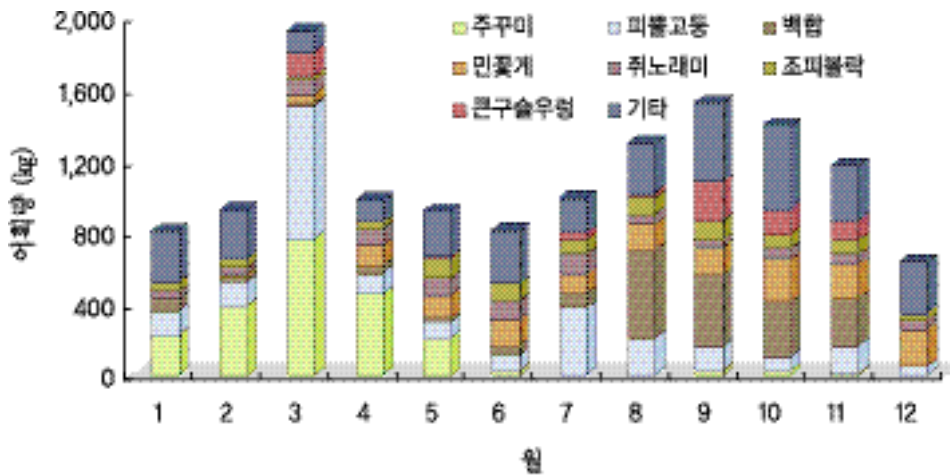
)

(CPUE)



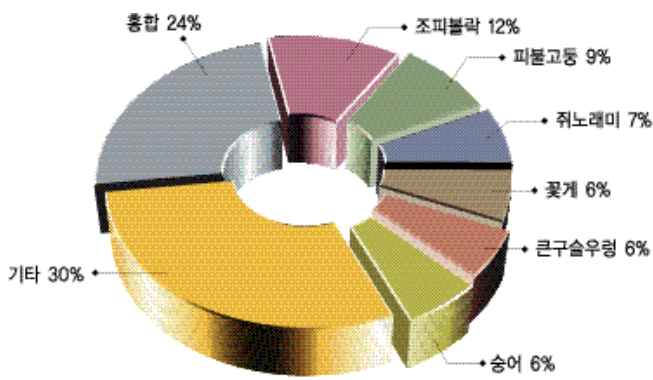
2-78.

2003 가 , 2003 4,571 , 143

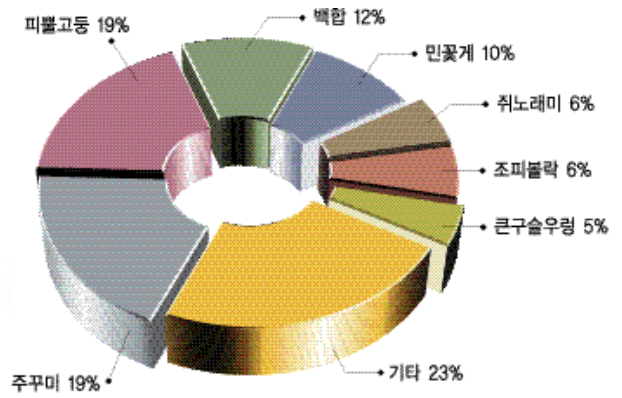


2-79.

3 1,918kg 가 , 12 637kg 가 . 3
 8~10
 5~39% , 2~12
 2~32% . 8~11 23~38%
 , 1~5 23~43% .



2002

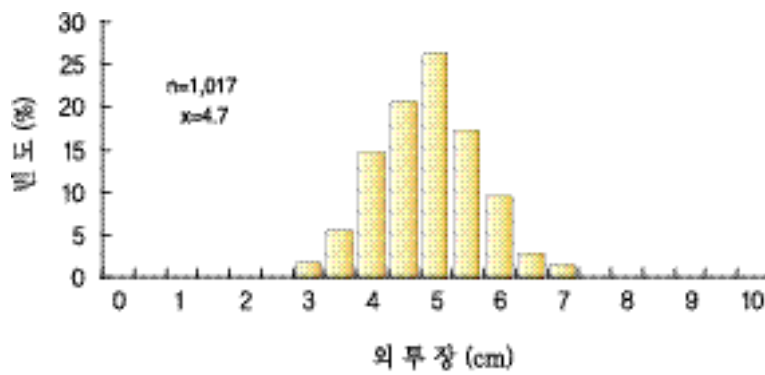


2003

2-80.

10~12, 2002, 24% 가, 2003
 12%, 9%, , , , .
 가 19% 가 , 19%, 12%, , ,

184



2-81.

2002 9 ~2003 9

1,017

4.7cm(2.0~8.2m) 4.6~5.0m 가

26.3% 가 .

, 2002 9

3.6cm(2.6~4.6m) 3.6~4.0m

가가 42.6% . 10

4.4cm(3.2~5.7m)

, mode 4.1~4.5m 35.1% . 11 4.8cm(3.1~6.0m)

4.6~5.0m 가 38.1% 가 . 12 5.1cm(2.0~7.0m)

가 , mode 4.6~5.0m 28.7% . 2003 1

5.0cm(3.1~8.2m), mode 4.6~5.0m 24.7% . 3

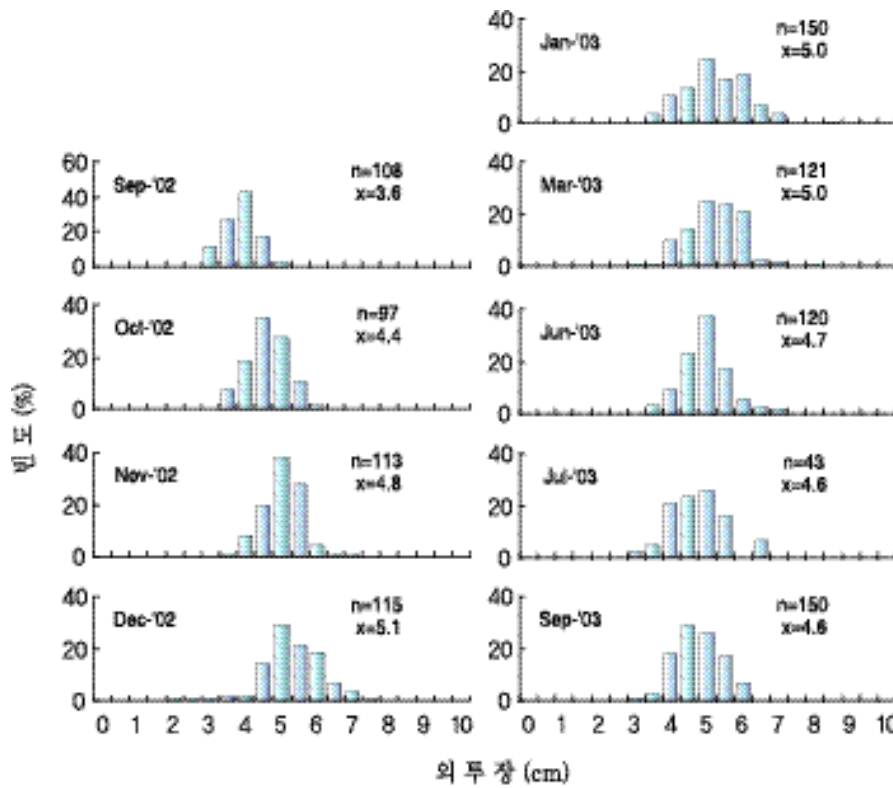
5.0cm(2.9~7.0m) mode 4.6~5.0m 24.8% . 6

4.7cm(3.2~7.0m) , 4.6~5.0cm 가 37.5% 가 . 7

4.6cm(3.0~6.5m) , mode 4.6~5.0m 25.6% . 9

가 4.6cm(3.0~5.0m) , 4.1~4.5cm 가 28.7%

가 .



2-82.

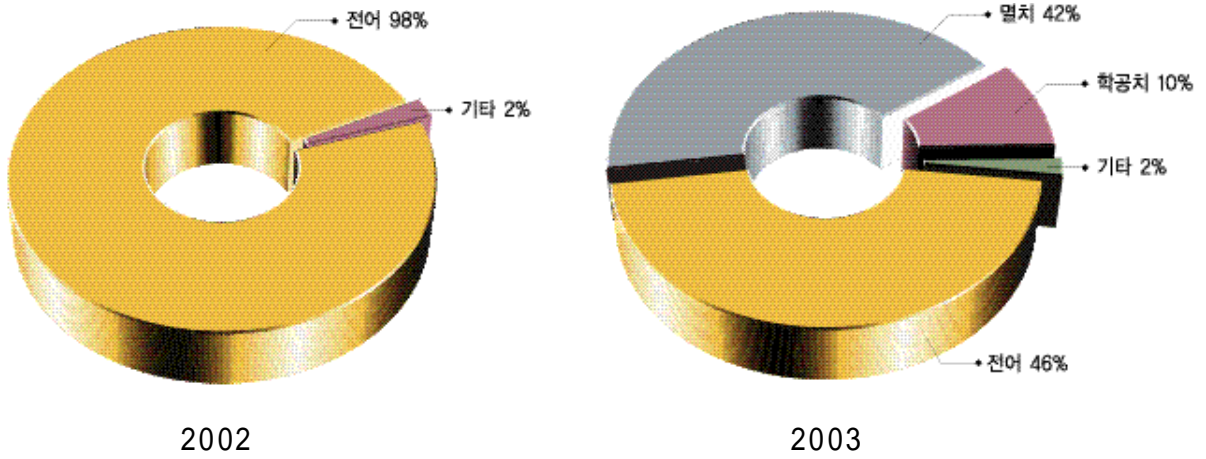
2003 4,571 (

) 40%, 가 19% , 가
가 .

) ()

(CPUE)

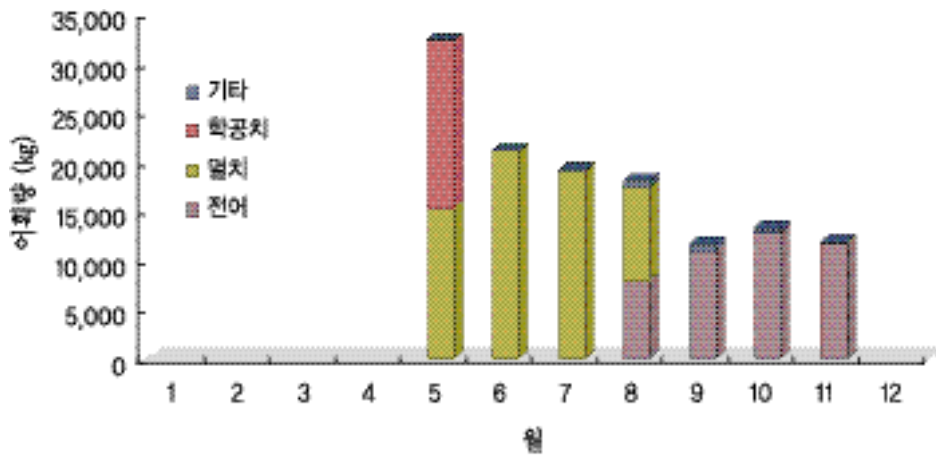
1993 5



2-83.

10~12 2002 가 98% , 가 42%, 가 10%
 . 2003 가 46% 가 , 가 42%, 가 10%

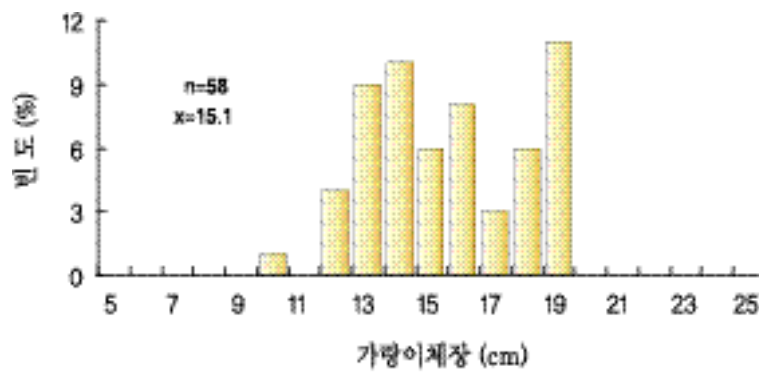
() , , 184



2-84.

() ,
 , 5~11 5 32,330kg 가
 , 9 11,58kg 가 . , 5 가 53%, 가 47%
 , 6~7 . 8 가 44%, 가 53%
 , 9~11 가 94~100% .

() .



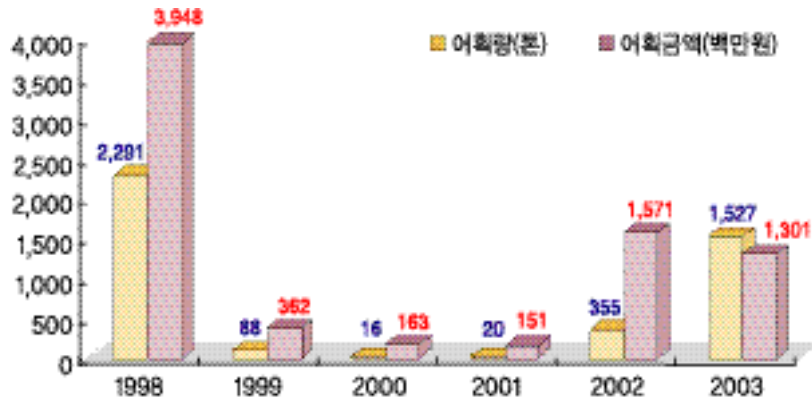
2-85.

11 () 58
 가 15.1cm(9.3~19.0cm) , 18.1~19.0cm 가 19.0%
 가 .

1993 5
 가 .

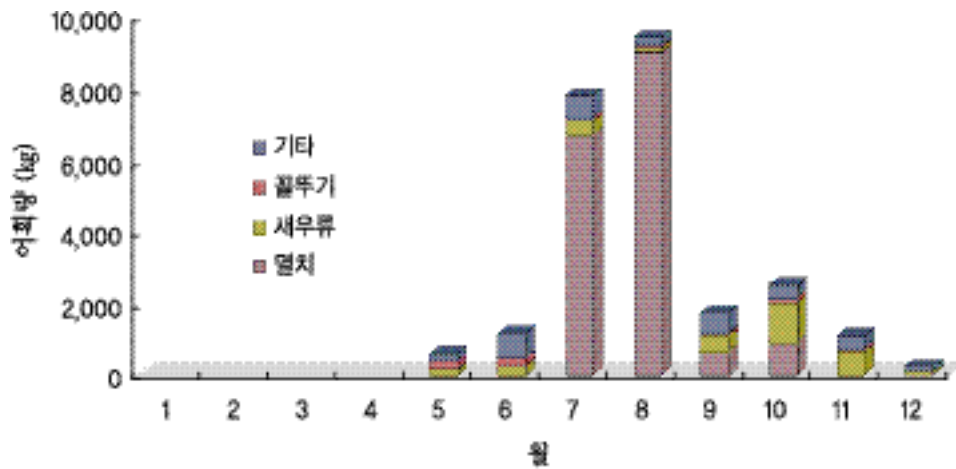
3)
가)

(CPUE)



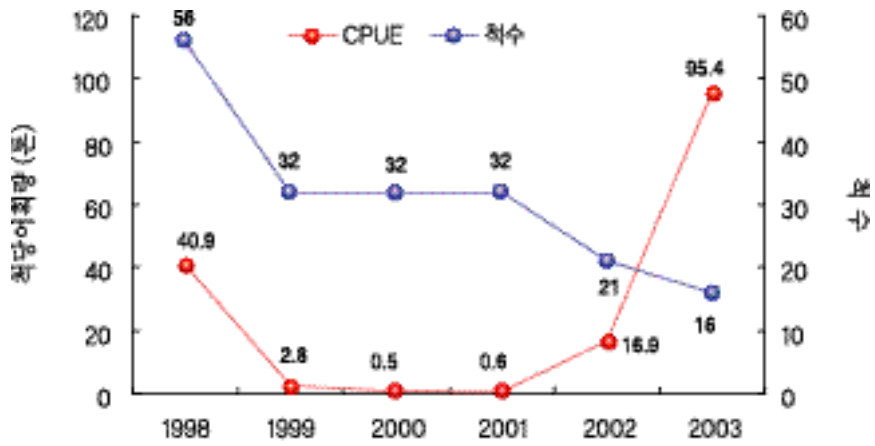
2-86.

()
가 , 1998 2,291
가 2000 16 . 2001
가 2003 1,527 . 1998 39
2001 1 5 2002 16 가 . 2003 13



2-87.

()
8 9,400kg 가 , 12 207kg 가 . 7~8
 , 7~10 가
36~96% , 9~12 가 26~61% . 5
가 40.4% 가



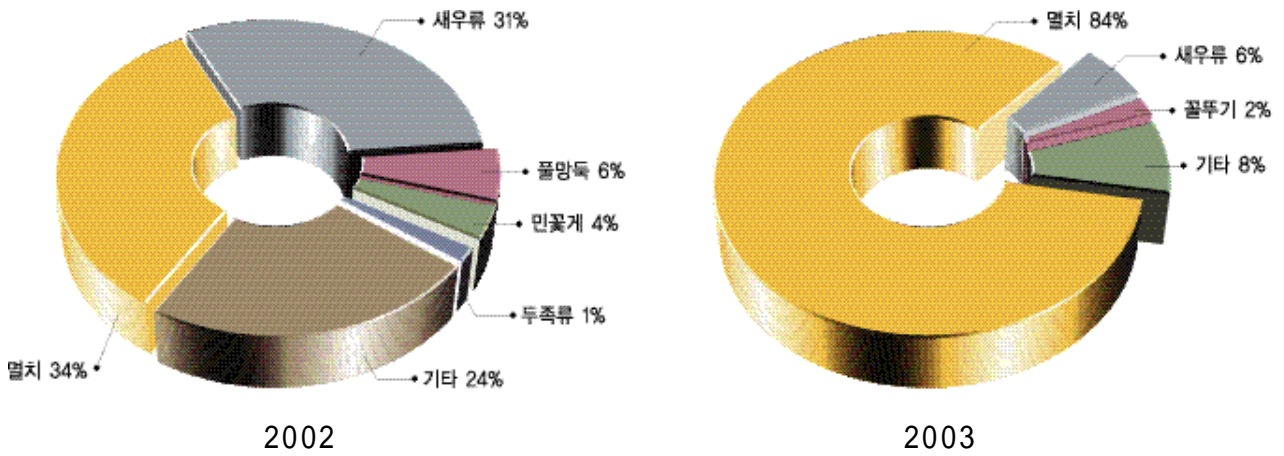
2-88.

() (CPUE)

1998 56 , 1999~2001 32 ,

2003 16 , CPUE , 1998 40.9 1999~2001

0.5~2.8 , 가 2003 95.4 .



2-89.

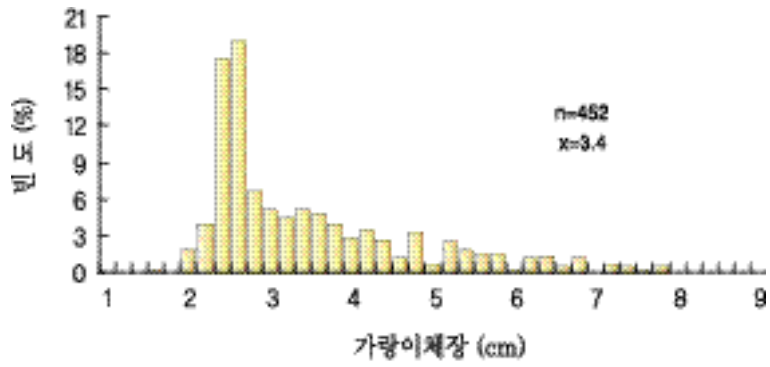
10~12 2002 , 가 34% 가 ,

가 31% , ,

가 84% 가 , 가 6% , 가 2% .

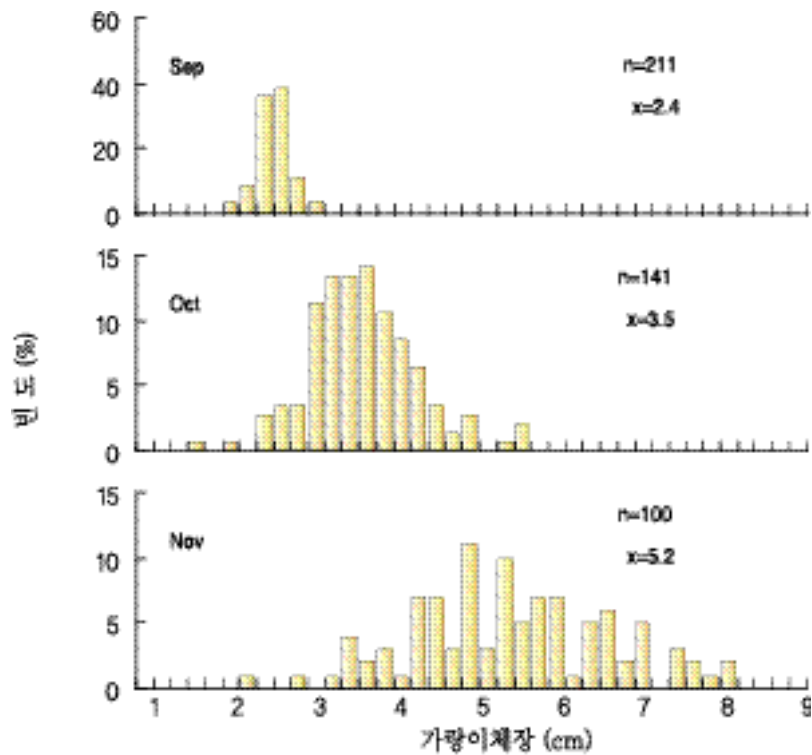
2003

()



2-90.

9~11 () 452
 가 3.4cm(1.5~7.8m) , 2.5~2.6cm 가 19.0%
 가 가 100%가 .



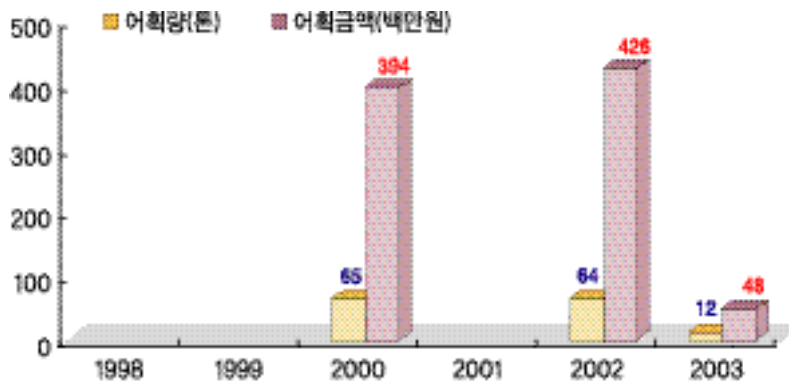
2-91.

, 9 가 2.4cm(1.9~3.0cm) , mode
 2.5~2.6m 38.4% . 10 가 3.5cm(1.5~5.4m) ,
 3.5~3.6m 가 14.2% 가 . 11 가 5.2cm(2.2~7.8m)
 , 4.7~4.8cm 가 11.0% 가 .

() , 1998 2,291
 2000 16 가 2002 355 , 2003
 1,527 .
 가 .

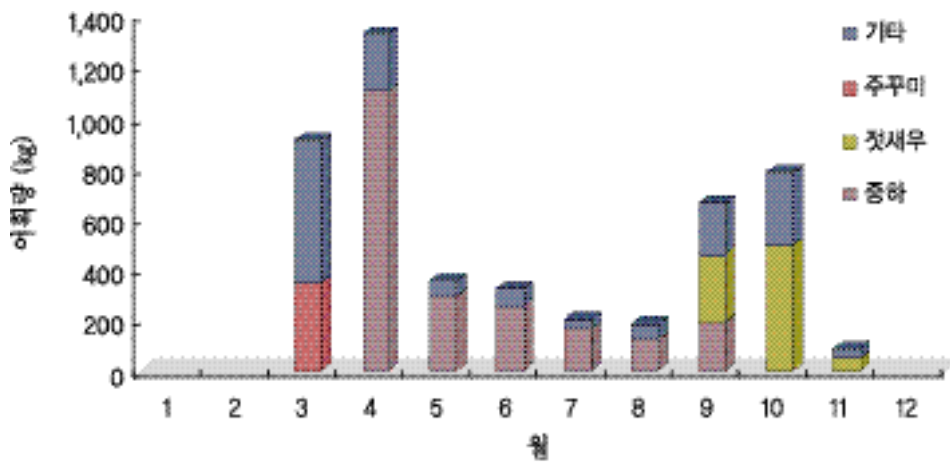
)

(CPUE)



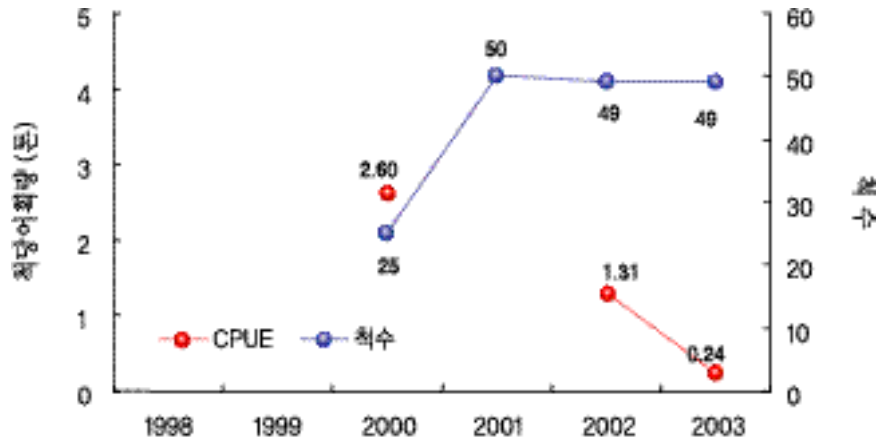
2-92.

2000 65
 2002 64 , 2003 12 , 2000 3 9 2002
 4 3 가 2003 5 .



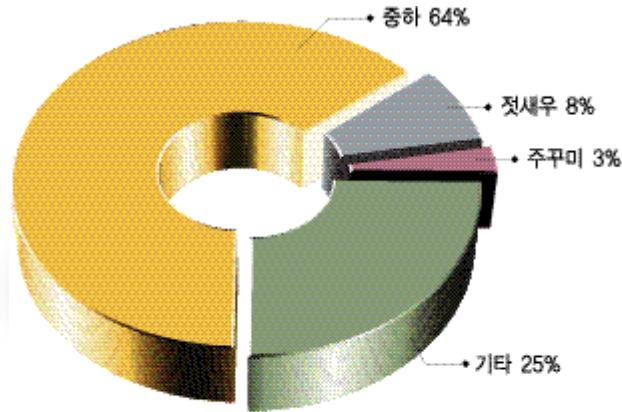
2-93.

4 1,330kg 가 , 8 183kg 가 . 1~2
 12 가 38%
 가 , 4~9 가 24~84% . 9~11
 가 41~64% .



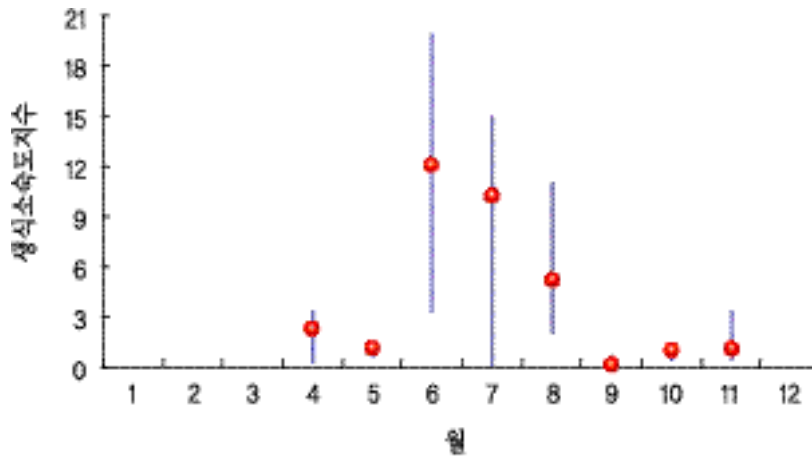
2-94.

(CPUE)
 2000 25 2001 50 가 , 2002
 2003 49 . CPUE , 2000 2.60 2003
 0.24



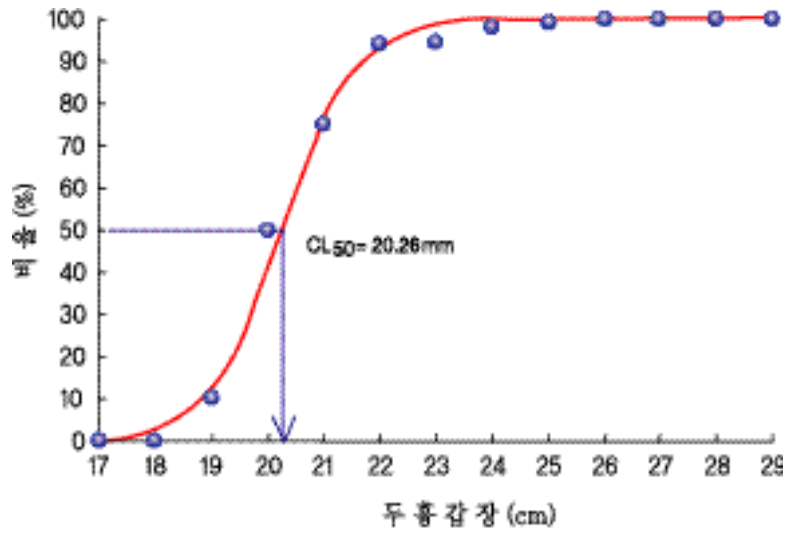
2-95.

가 64% 가 , 가 8%, 가 3%

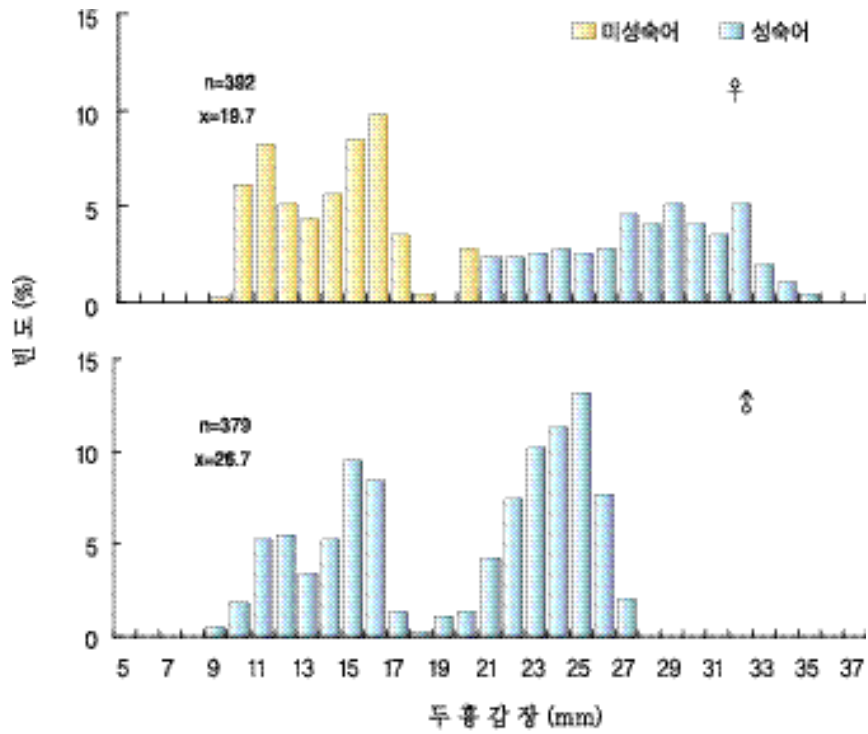


2-96.

() (/ ×100)
 , 4 5 2.2, 1.1 6 12.0 .7 10.2
 , 8 5.1, 9 0.2
 6~8
 50% 20.3mm

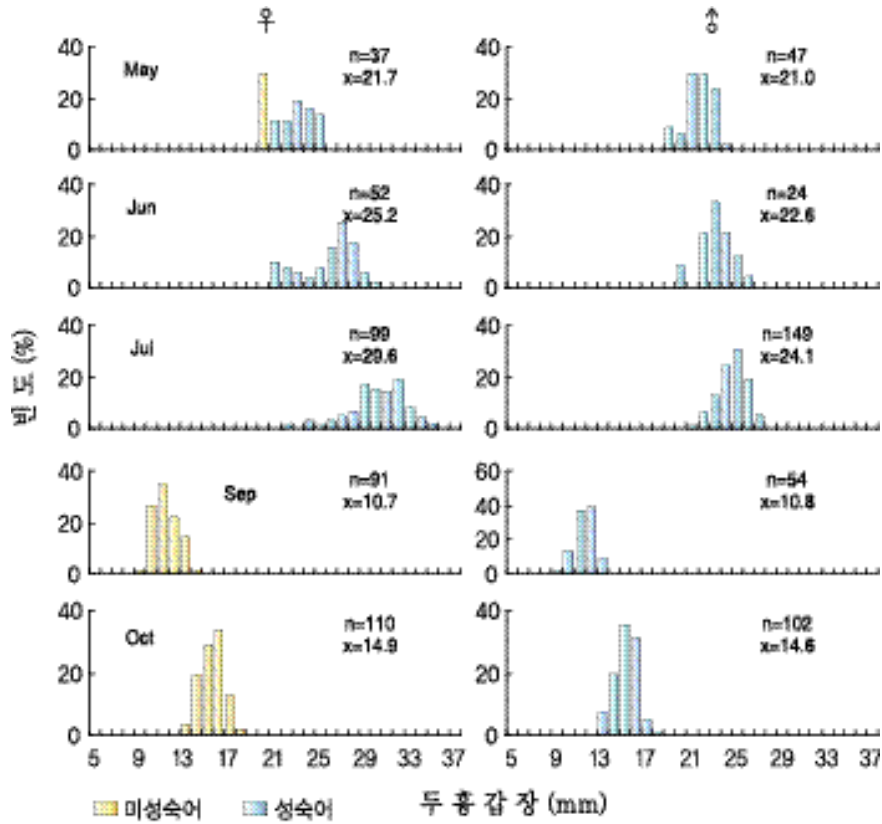


2-97.



2-98.

5~10	()	392	379
		19.7mm(8.1~34.1mm)	, 15.1~16.0mm
가 9.7%	가	20.0mm	54.6%
		19.1mm(8.1~26.1mm)	, 24.1~25.0mm
13.2%			가가



2-99.

mode 19.1~20.0mm 29.7% , 21.7mm(19.1~24.0mm) , 29.7% . 6
 25.2mm(20.2~29.0mm) , 25.1~26.0mm 가 15.4% 가 . 7
 29.6mm(21.5~34.0mm) 가 , 31.1~32.0mm
 가 19.2% 가 . 9 6~7 가
 10.7mm(8.1~13.0mm) , 10.1~11.0mm 가가 35.2%
 . 10 14.9mm(12.3~17.0mm) , mode 15.1~16.0mm
 33.6% . 9 10
 5~7 21.0mm(18.2~23.0mm), 22.6mm(19.1~25.0mm), 24.1mm(20.5~26.0mm)
 , mode 21.1~22.0mm(29.8%), 22.1~23.0mm(33.3%), 24.1~25.0mm(30.9%)
 가 . 9 10.8mm(8.2~12.0mm) , 11.1~12.0mm
 가 38.9% 가 . 10 14.6mm(12.2~17.0mm) mode
 14.1~15.0mm 35.3%

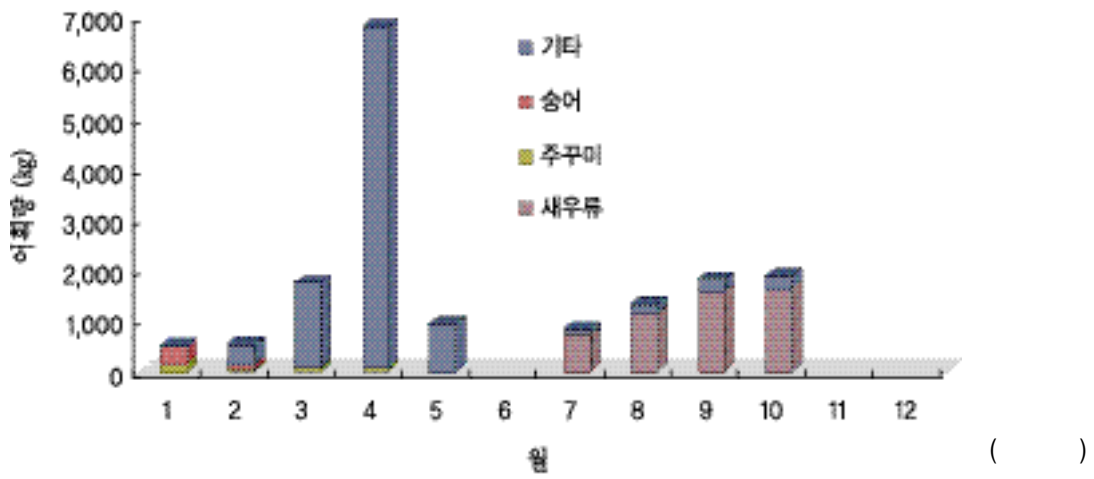
()

2000 65 2002 64

12

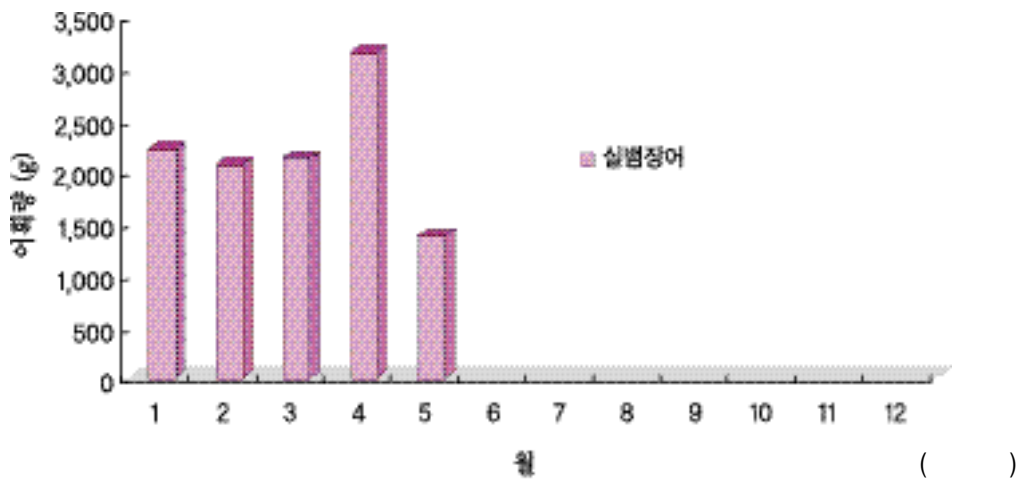
)

(CPUE)



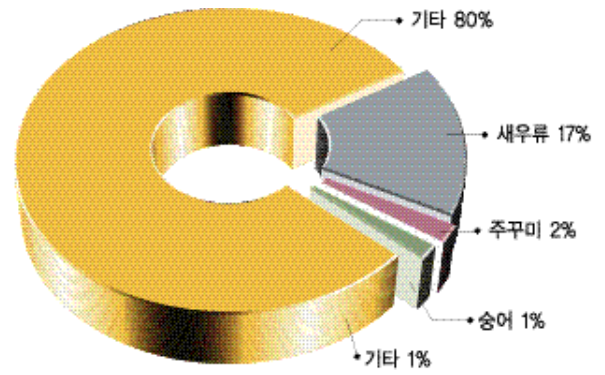
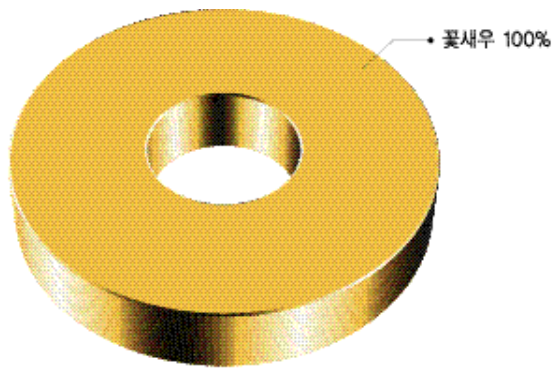
2-100.

4 6,790kg 가 , 1 479kg 가 . 가 58%, 35% 7~10 가 86~88%



2-101. ()

, 1~5 , 4 3,150g 가 5 1,377g 가

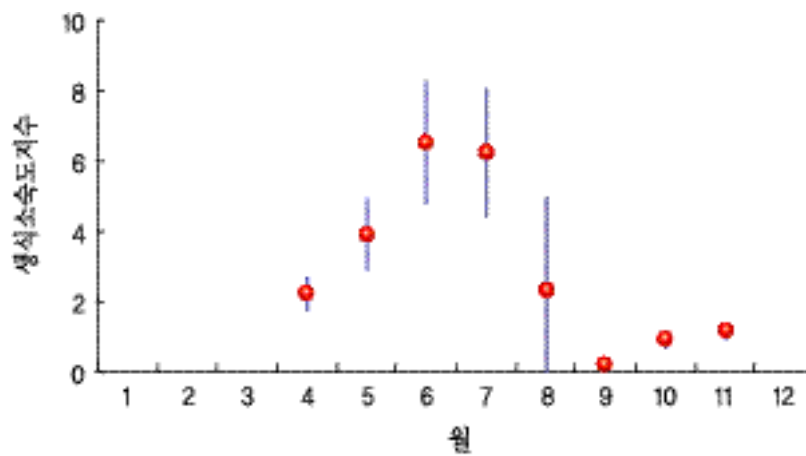


2-102.

10~12 2002 , . 2003
 가 17% 가 , 가 2%, 가 1%
 2003 0.07%

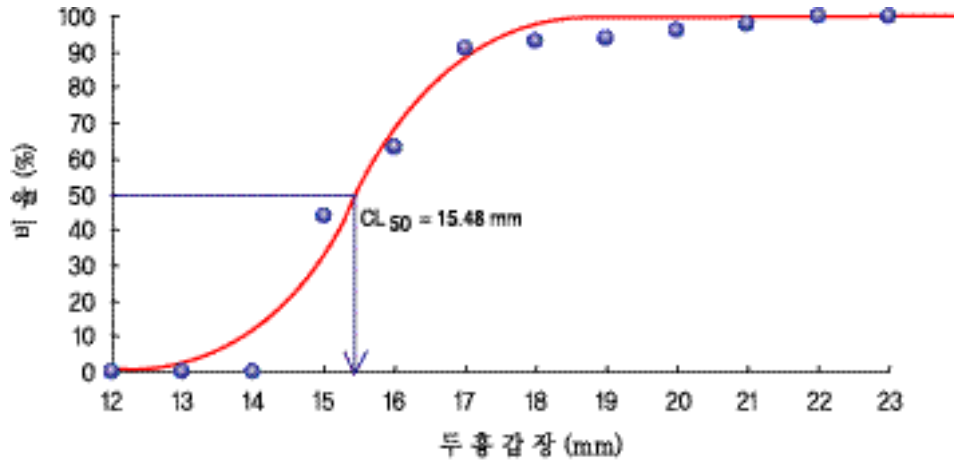
1~5

가



2-103.

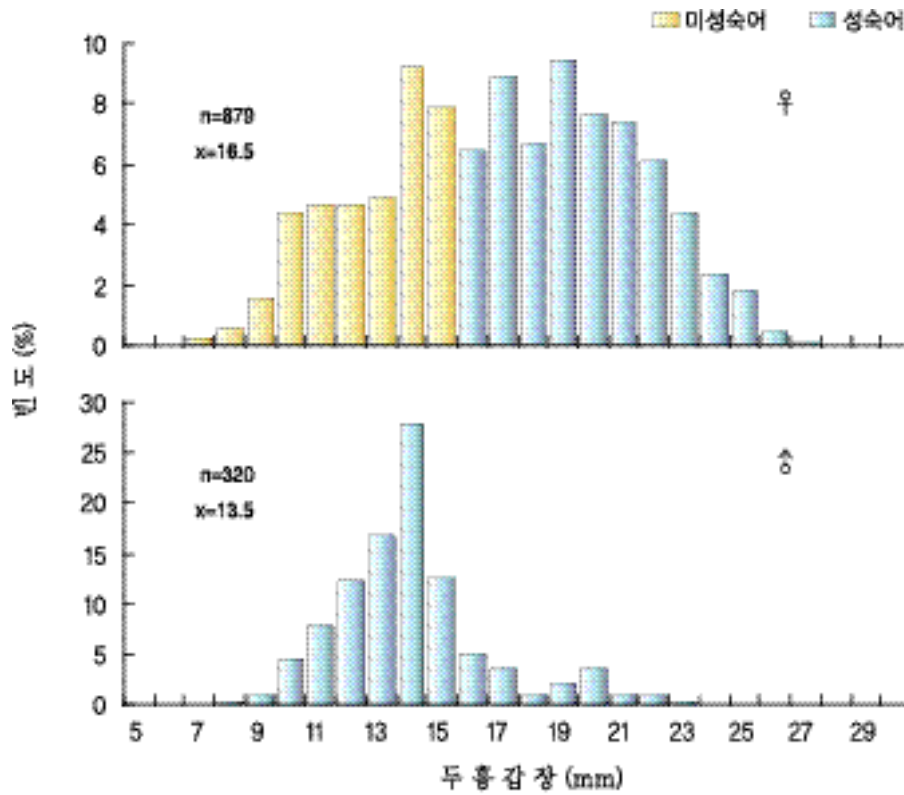
(/ ×100) , 4 2.23 5 3.87 가
 , 6 6.53 가 . 7 6.22
 8 2.30 , 9~11 0.18~1.13
 6~7



2-104.

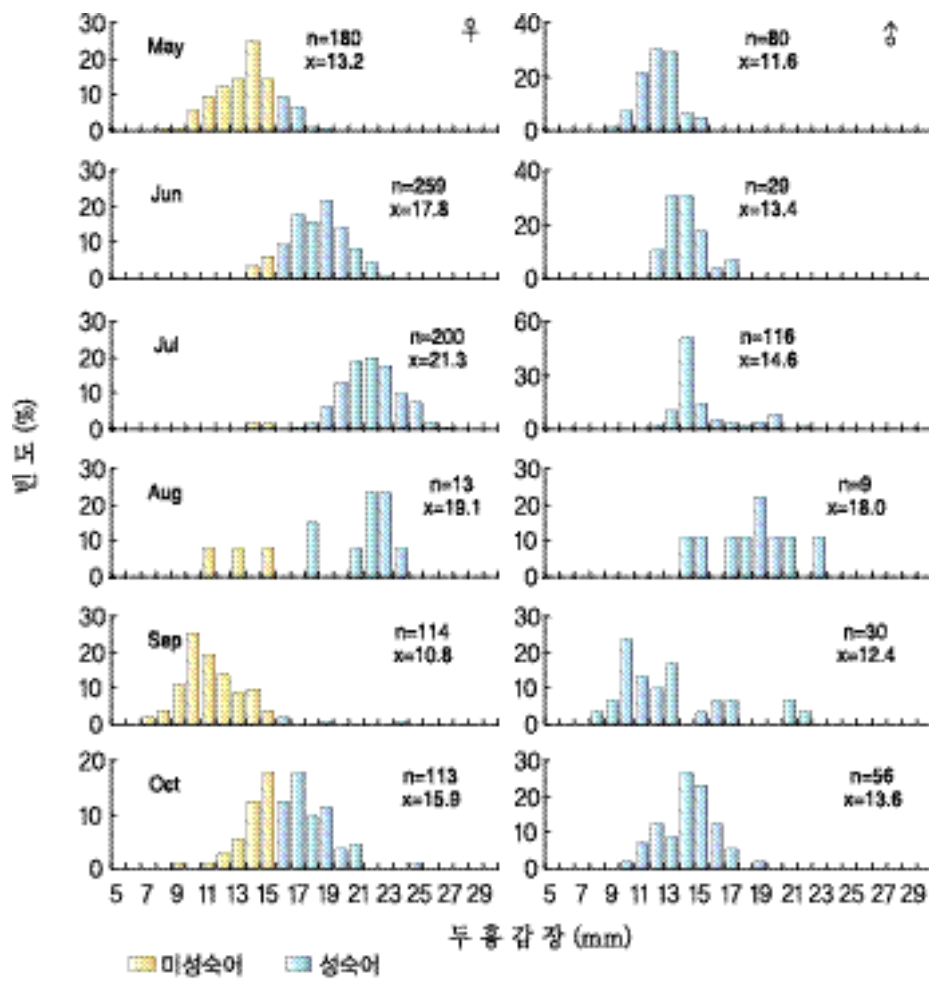
50%가

15.48mm



2-105.

5~10			879	320
			16.5mm(6.3~26.7mm)	, 18.1~19.0
mm	가	9.4%	가	15.0mm
		38.1%		13.5mm(7.9~22.1mm), mode
13.1~14.0mm		27.8%		13.2mm(7.4~18.0mm)
			5	82.2%
, 13.1~14.0mm	가	25.0%	가	.7
		21.3mm(13.4~26.7mm)	가	, mode 21.1~22.0mm
20.0%			3.0%	가
		10.8mm(6.3~23.4mm)	가	, 9.1~10.0mm
25.4%	가		96.5%	가
		15.9mm(8.9~24.0mm)		39.8%
5		11.0mm(8.7~14.0mm)	가	, 12.1~13.0mm
	가	28.8%	가	.6
(11.6~16.0mm), 14.6mm(11.3~22.0mm)			.7	13.4mm
31.0%, 50.9%		.9	, mode	13.1~14.0mm
9.1~10.0mm	가	23.3%	가	12.4mm(7.9~21.7mm)
			.10	13.0mm(9.9~18.7mm)
, mode	13.1~14.0mm	26.8%		



2-106.

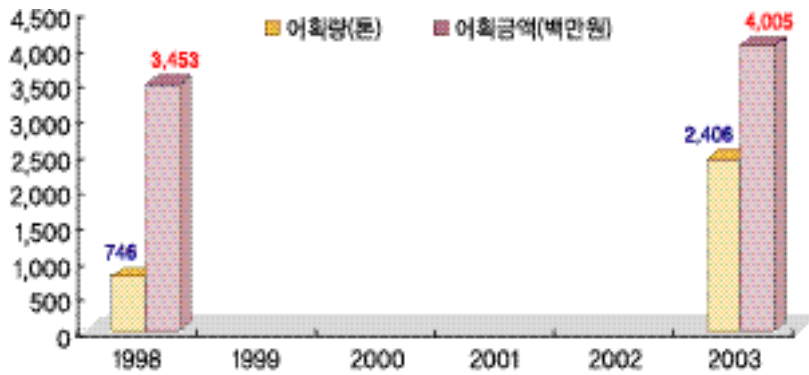
가

1~5

가

)

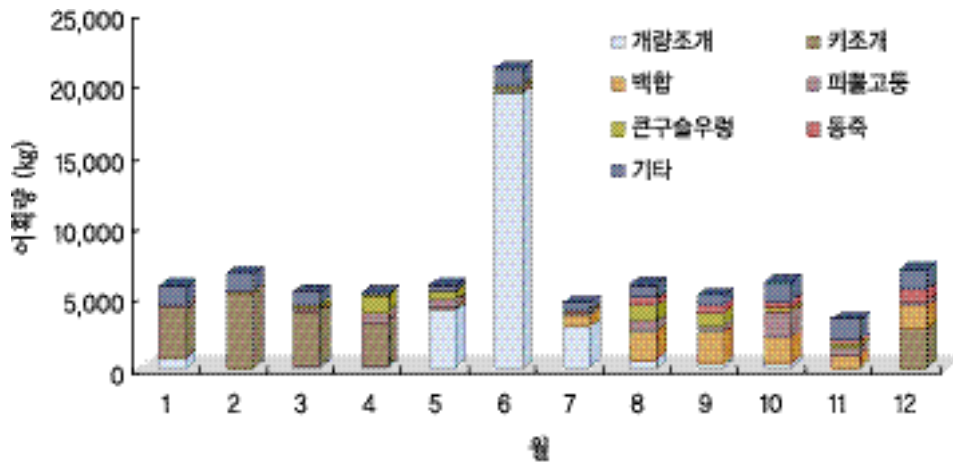
(CPUE)



()

2-107.

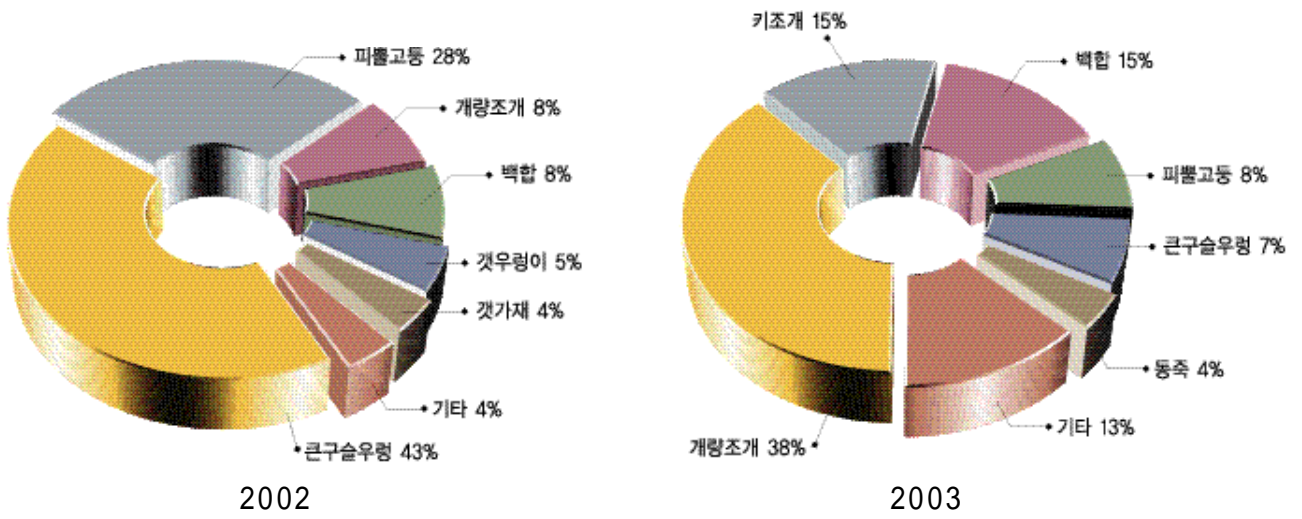
() . 1998 746
 2003 2,406 가 , 1998 35 2003 40
 가 . 1999~2002 .



()

2-108.

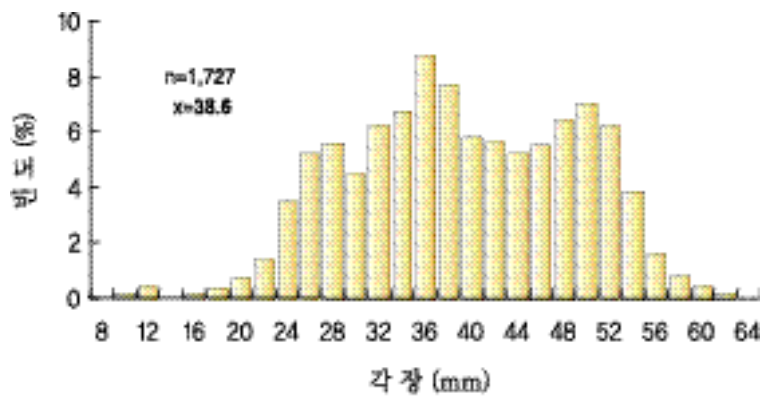
() ,
 6 21,058g 가 , 11 3,343g 가 . 6
 3,000~6,000g 1~4
 가 60~80% , 5~7 가 66~92%
 8~12 24~44% .



2-109.

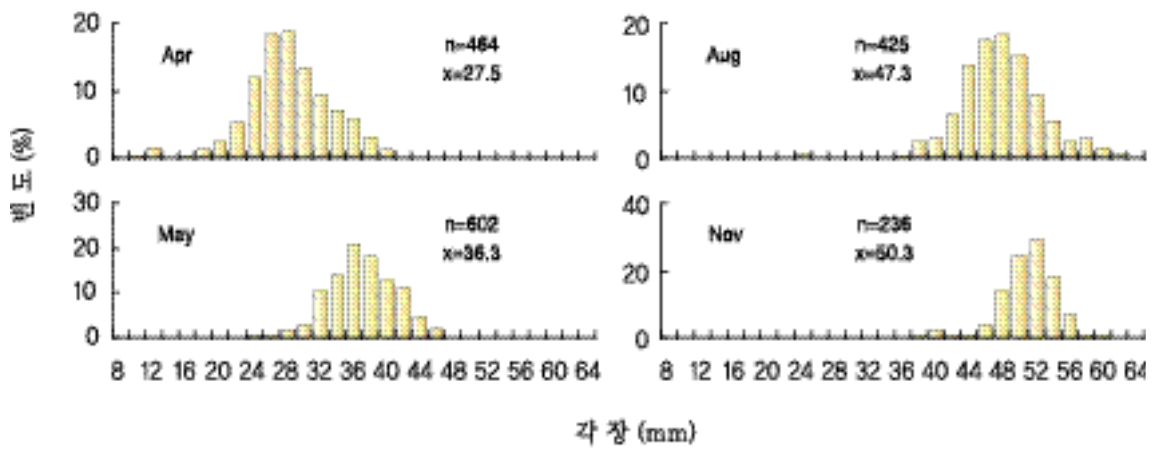
10~12, 2002, 43% 가
 , 28%, 가 8% , 가
 . 2003 가 38% 가 , 가 15%, 15% ,

()



2-110.

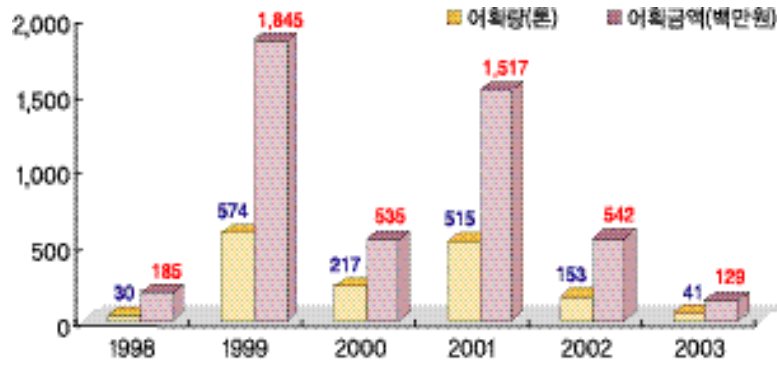
4~11 1,727
 38.0mm(9.5~61.0mm) , 34.1~36.0mm 가 8.8%
 가 .
 , 4 27.5mm(9.5~40.0mm) , 26.1~28.0mm
 가 18.8% 가 . 5 36.3mm(14.5~47.0mm) ,
 mode 34.1~36.0mm 20.6% . 8 47.3mm(23.5~61.0mm)
 , 46.1~48.0mm 가 18.4% 가 . 11 50.3mm(36.5~58.0mm)
 가 , 50.1~52.0mm 가 28.8% 가



2-111.

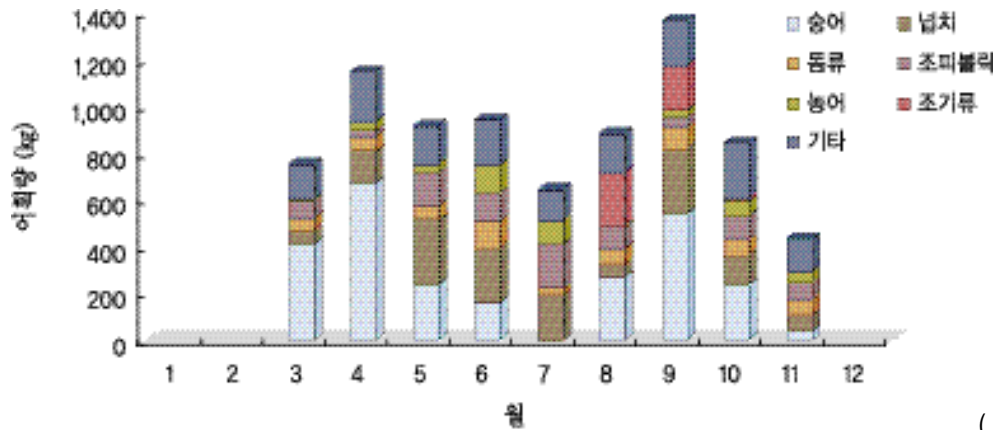
1998 746 2003
 2,406 가 (), , ()
) 가 .

4)



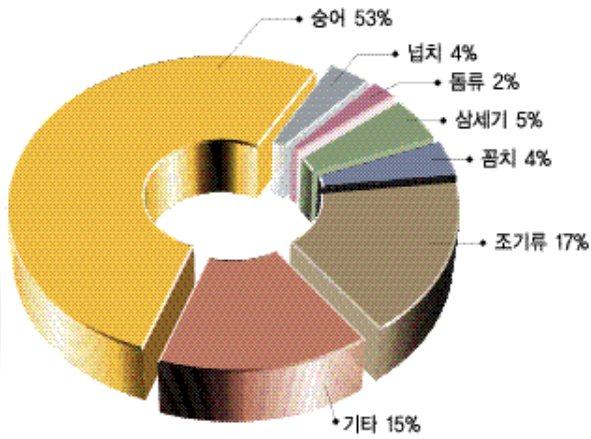
2-112.

1998 30 , 1998 30
 1999 574 가 , 2000 217 . 2001 515
 가 2003 41 .
 1998 1.8 1999 18 가 2000 5.4
 2001 15 가 . 2003 1.3

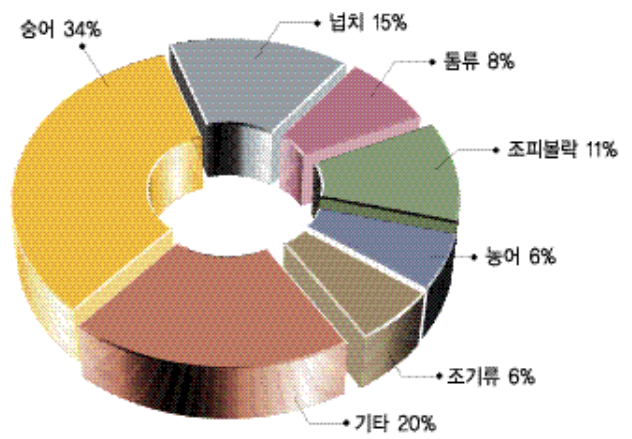


2-113.

9 1,360kg 가 , 11 435kg 가 . 1~2 12
 가 3~4 8~10 가
 29~59% , 5~7 9 21~30%
 7 29% , 8 26%
 6~7 11 10%



2002



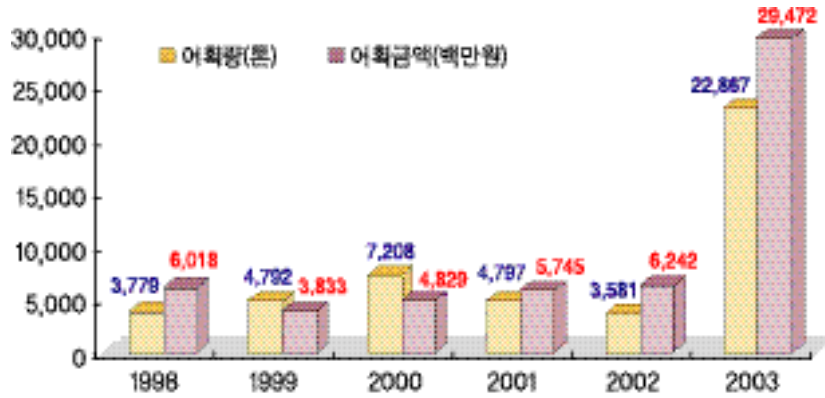
2003

2-114.

2002 송어 53%, 기타 15%, 조기류 17%, 삼세기 5%, 품치 4%, 넙치 4%, 뽕류 2% .

2003 송어 34%, 기타 20%, 조기류 6%, 농어 6%, 조피볼락 11%, 뽕류 8%, 넙치 15% .

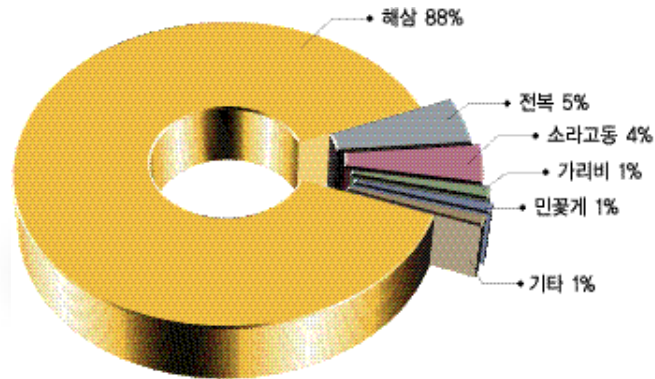
5)



()

2-115.

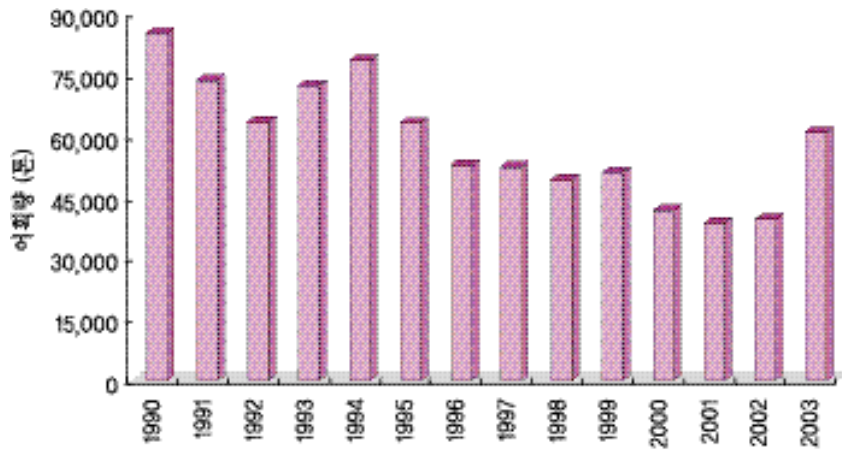
가 2000 7,208 , 1998 3,779
 3,581 가 2002
 22,867 . 2003 가
 , 가 2001 57 , 2002 62 . 2003
 295 가 .



2002

2-116.

2002 , 88%
 , 5%, () 4%, 가
 가 1% .

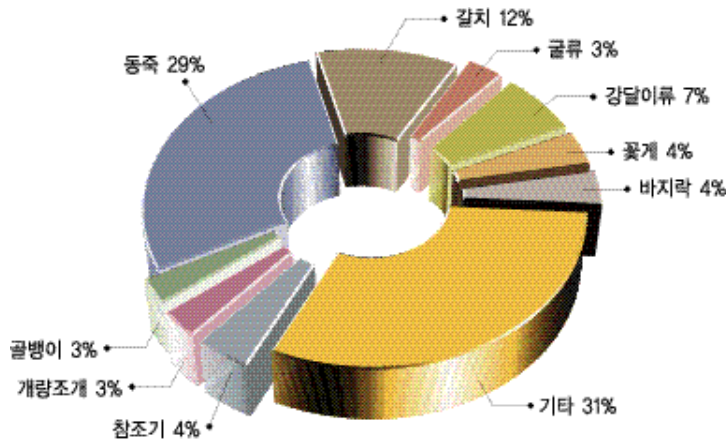


2-117.

1990 가 2003 가 1990 85,190
 가 , 2001 38,737 가 . 1990~1995 6
 1996 4~5 . 3
 (58,684) 78.9% .
 2002 39,368 , 2003 60,827 가

1)

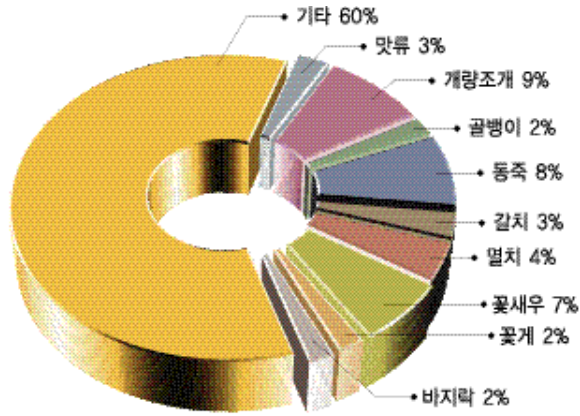
1990 2003 , 1990 24,079
 가 , (9,950) , (6,062) , (3,508) , (3,327) ,
 (2,963) , (2,760) , (2,521) , (2,296) .



2-118.

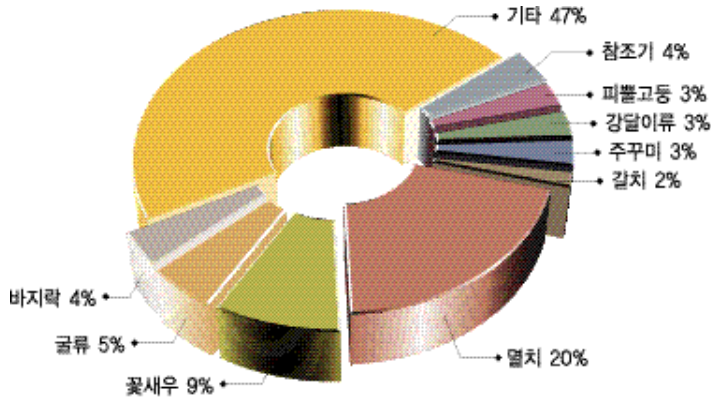
(1990)

1995 가 5,594 가 , (4,993) , (4,310) ,
 (2,406) , (2,179) , (2,148) , (1,567) , (1,486) , (1,132)



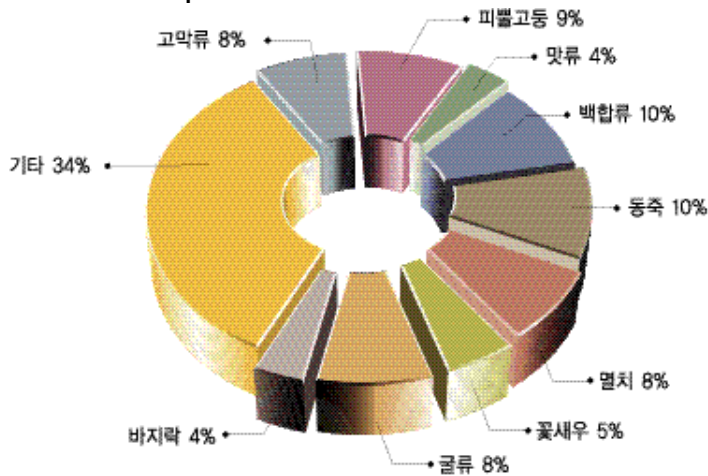
2-119. (1995)

2000 가 8,425 가 , (3,910), (2,055),
 (1,790), (1,489), (1,183), (1,100), (1,082),
 (743)



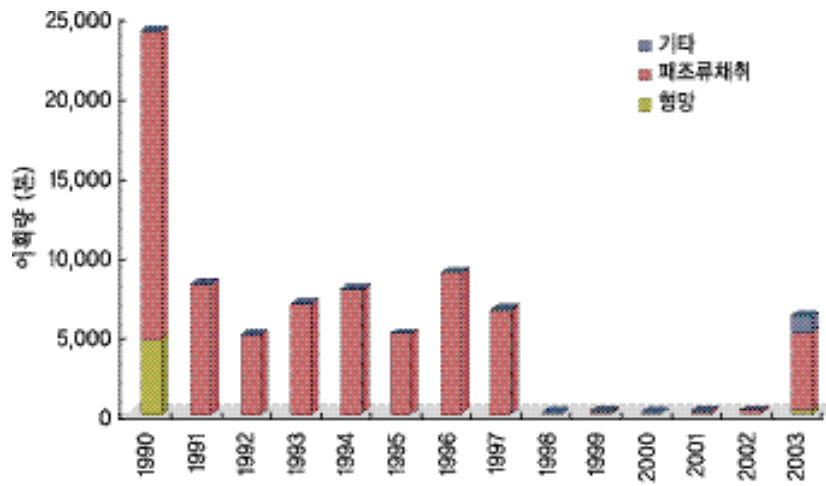
2-120. (2000)

2003 가 6,130 가 , (6,128), (5,491),
 (5,052), (4,892), (4,849), (3,282), (2,530), (2,421)
) . 1990 가 가
 가



2-121. (2003)

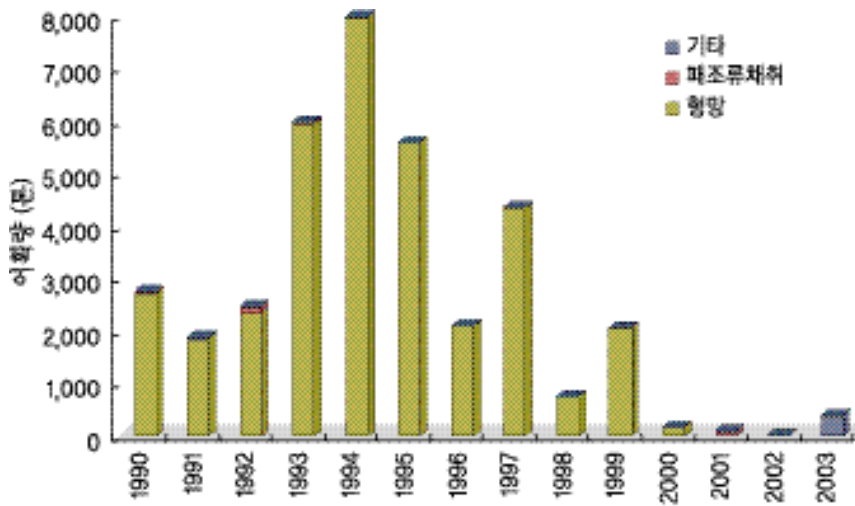
2)
가)



2-122.

가 가 , 1990 24,079 가
 , 1998 77 가 . 1990 , 1991~1997
 5,000~9,000 , 1998~2002 300
 . 2003 6,128 가 . 81~100%
 가 . , 1990
 19%가 .

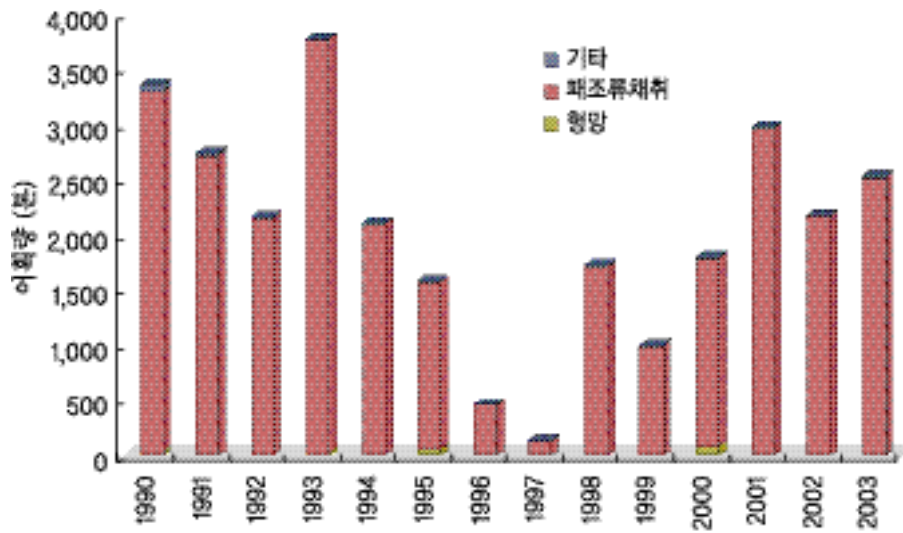
)



2-123.

가 . 1990 2,760 1994 7,977 가 , 2002 6
 . 2003 372 . 1990~2000 가 ?
 96~100% 2001~2002 가 ?
 . 2003 100%

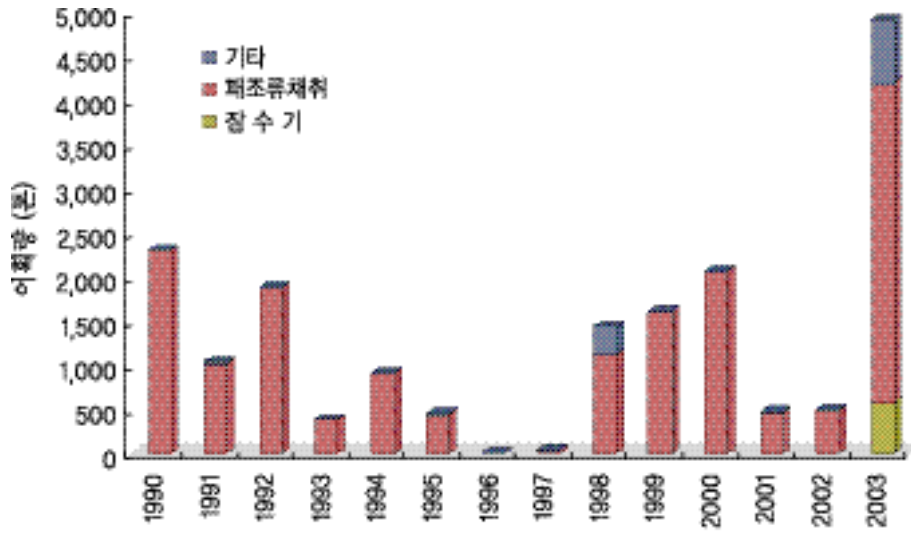
)



2-124.

1993 3,781 가 , 1997 140 가
 . 1990 3,348 1993
 1997 가 2003 2,530
 95~100% ,

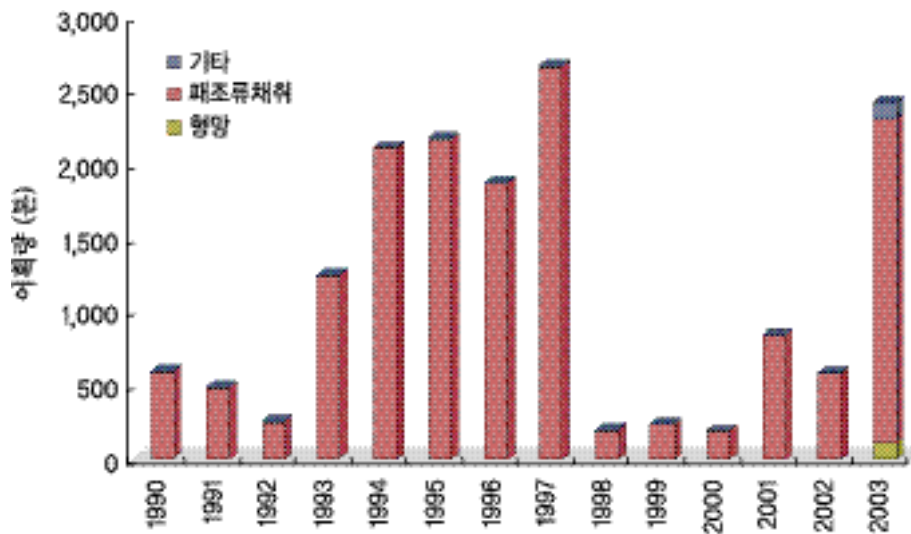
)



2-125.

2003 4,892 가 , 1996 17 가
 . 2001 2002 462 , 484
 1998 가 74~100%
 , 2003 12%

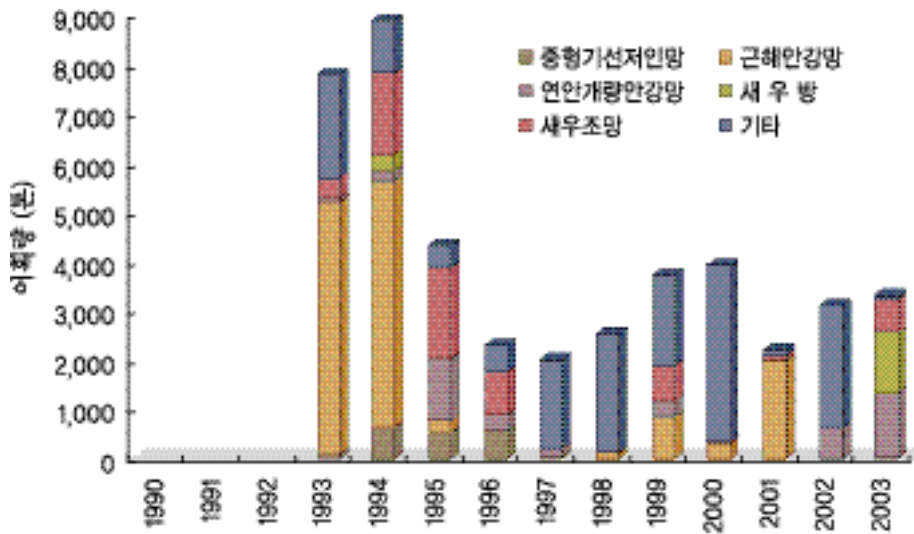
)



2-126.

1997 2,662 가 , 2000 190 가
 1993~1997 1,000 ,
 1998~2002 , 2003 2,421 가 .
 91~100%가 , 2003
 5% .

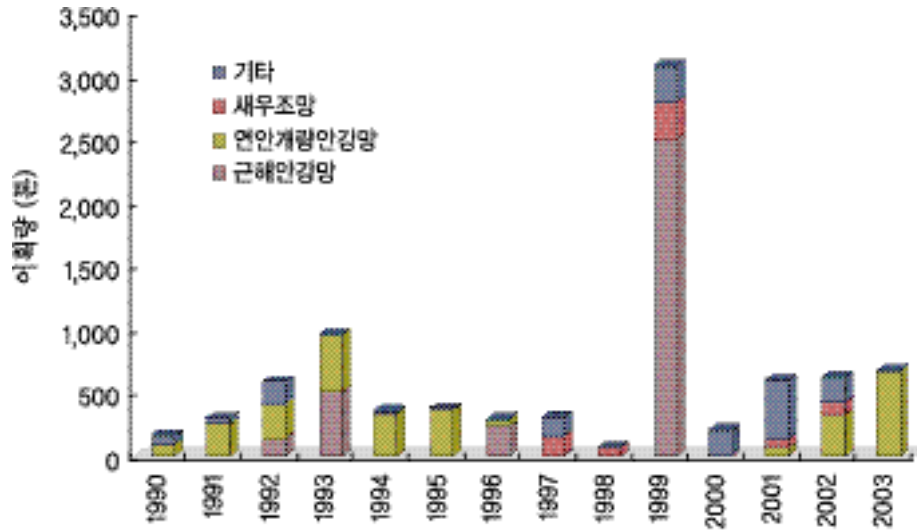
)



2-127.

1994 7,765 가 , 1997 1,983
 가 1994 , 2001
 2,191 가 2003 3,282 . 1993~1994
 2001 55~66%, 91%가
 , 1995~1996 39~43%가 . 2001
 40% 가 36%, 21%

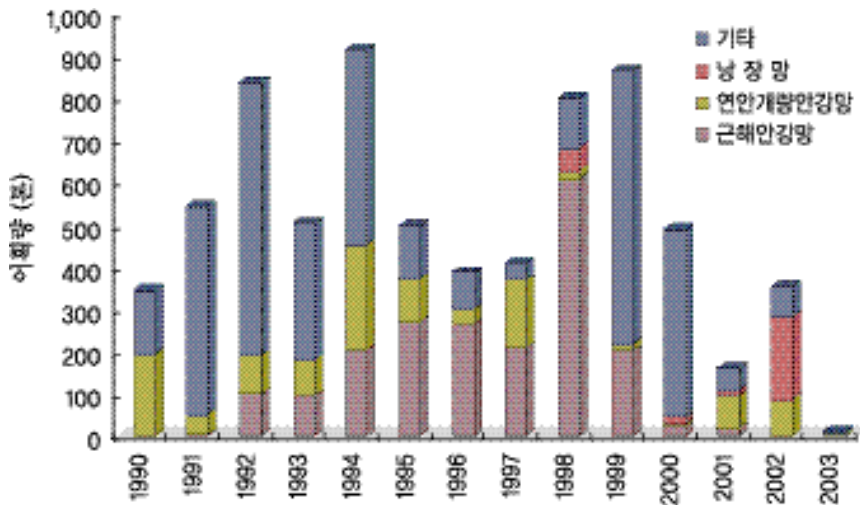
)



2-128.

1999 3,079 가 , 1998 64 가
 . 1999 1990~1993 가 ,
 1993~1998 2000 가
 2003 667 . 1990~1995 2002~2003
 47~99%가 , 1999
 53%, 1996 80%, 1999 81%가 1997
 1998 52%, 94%가 .

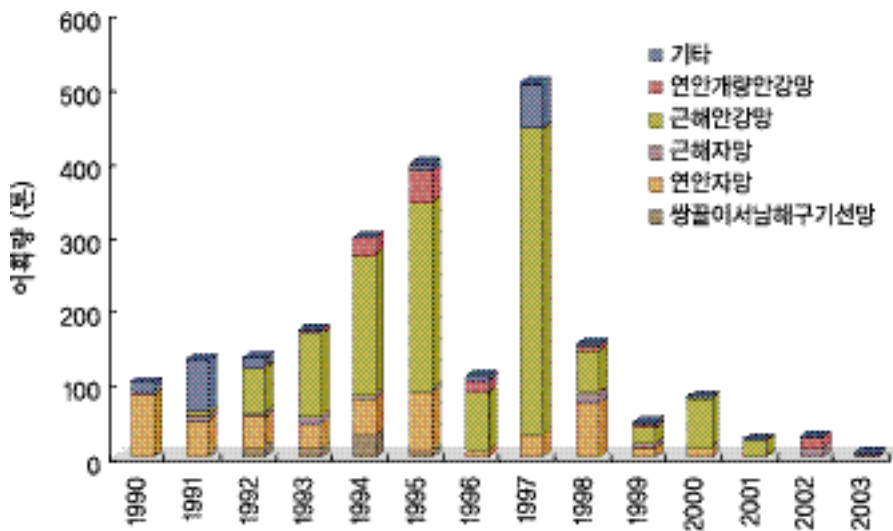
)



2-129.

1994 913 가 , 2003 7 가
 2~57%가 , 0~76%가
 . 1990
 56%가 , 1995~1998 51~76%가
 2002 56%

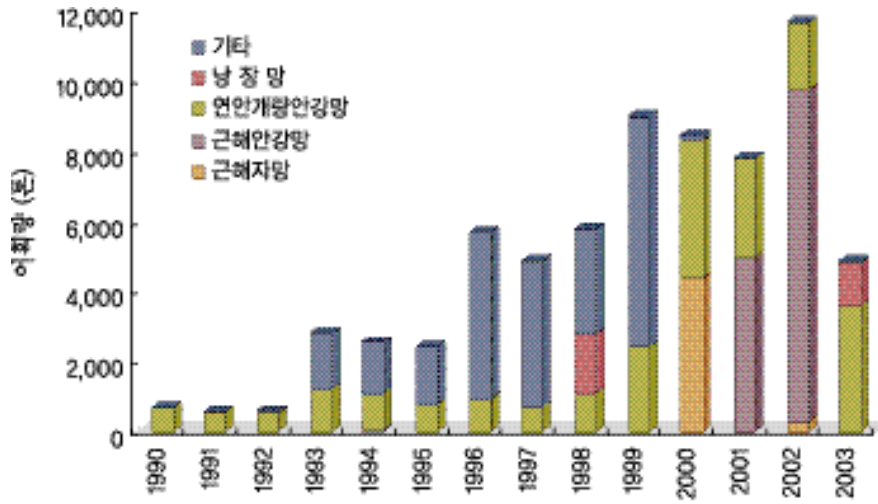
)



2-130.

1997 506 가 , 2003 5 가
 1990 99 1997 가 ,
 0~83%가 , 0~87%
 가 2 40~94%
 (2002)가 . 2002 61%,
 39%가 가 1997 82%,
 6%가

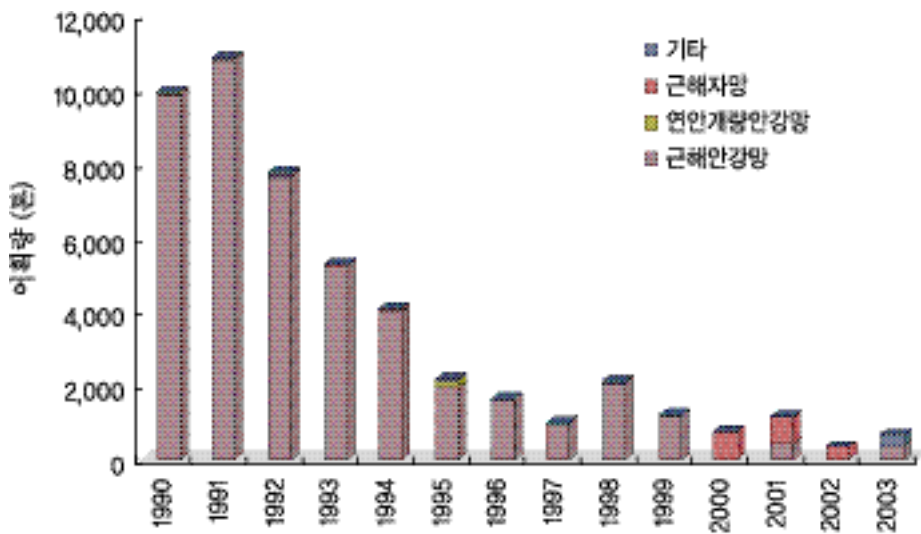
)



2-131.

가 , 2002 11,609 가
 , 1991 547 가 . 1993 가
 , 2003 4,849 . 15~100%가
 , 1993~1999
 52~86%가 가 2002 82%,
 16%가 .

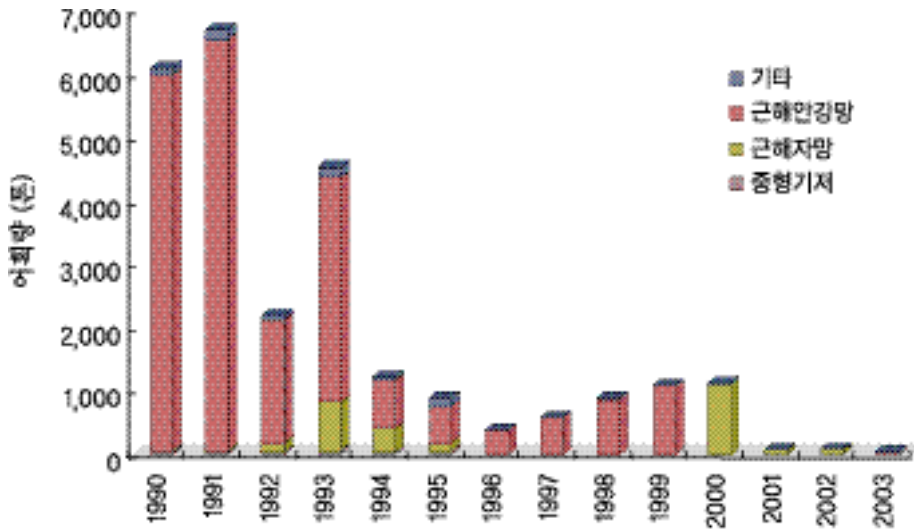
)



2-132.

1991 10,847 가 , 2002 346 가
 1991
 1990~1999 92~99%가
 2000~2002 65~100%가 . 2003
 56%, 44%가

)

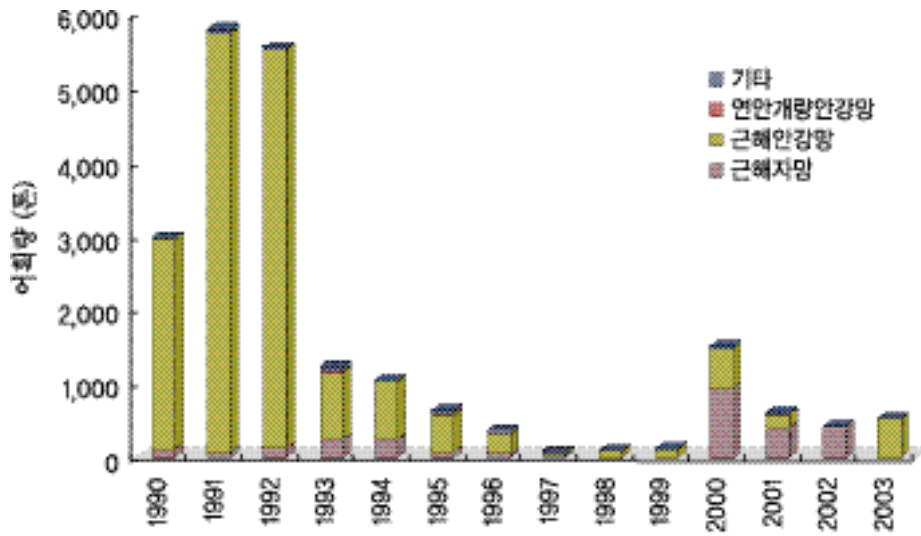


2-133.

1991 6,676 가 , 2003 42 가
 . 1990 1996 2000 가
 , 2001~2003 100 . 2000~2002
 95~100%가 63~99%가

)

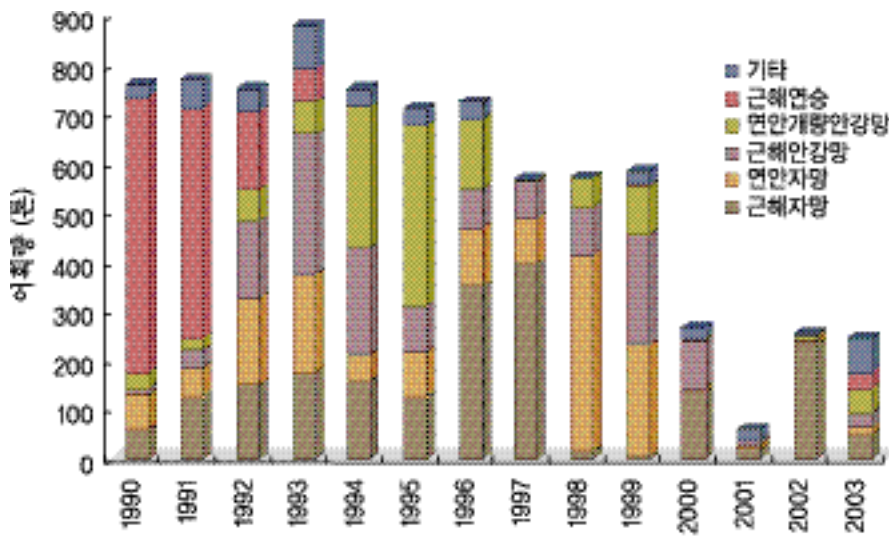
)



2-134.

1991 5,782 가 , 1997 67 가
 . 1991 1999 , 2000~2003 5000
 가 . 2002 30~98%
 , 2000~2002 63~99%

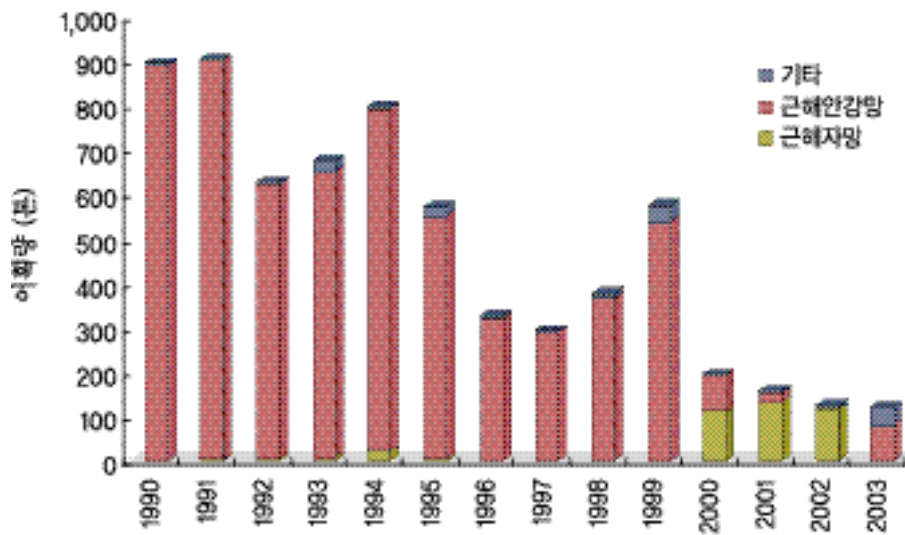
)



2-135.

1993 875 가 , 2001 59 가
 2000 300
 1~92% 가 , 4~70%
 1992~2000 11~39%
 1994~1996 20~52%
 가 1993 , 33% 가
 23%, 20%

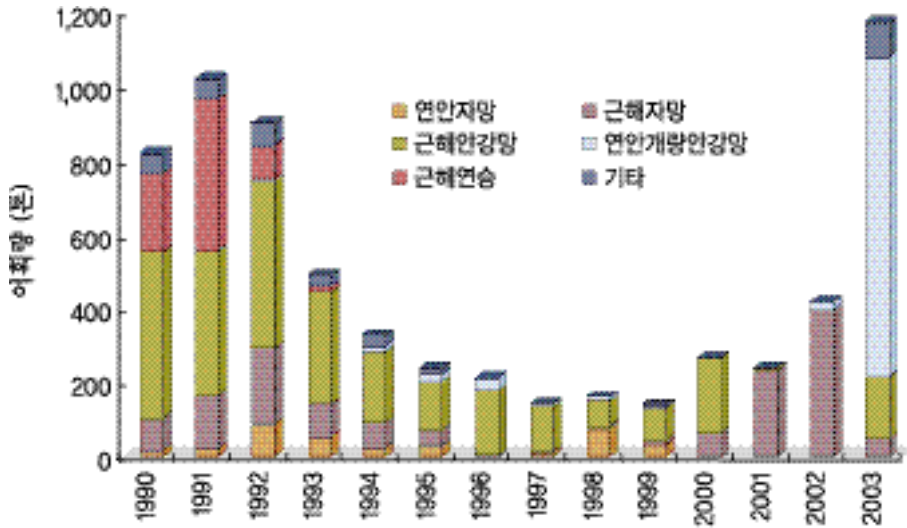
) ()



2-136.

, 1991 905 가
 , 2003 119 가 . 1990
 , 2000 200
 . 1990~1999 93~99%가
 , 2000~2002 57~94%가 . 2003
 70%

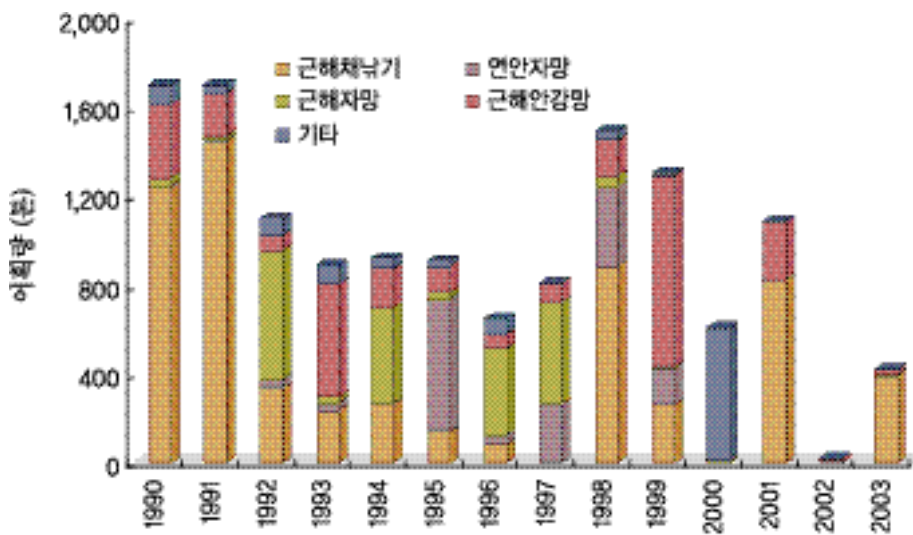
) ()



2-137.

가 , 2003 1,172 가 ,
 1999 138 가 . 1991 1,023 1997
 가 . 199190~2000
 43~85%가 , 2001 2002
 95%가 . 2003
 74%,, 14% .

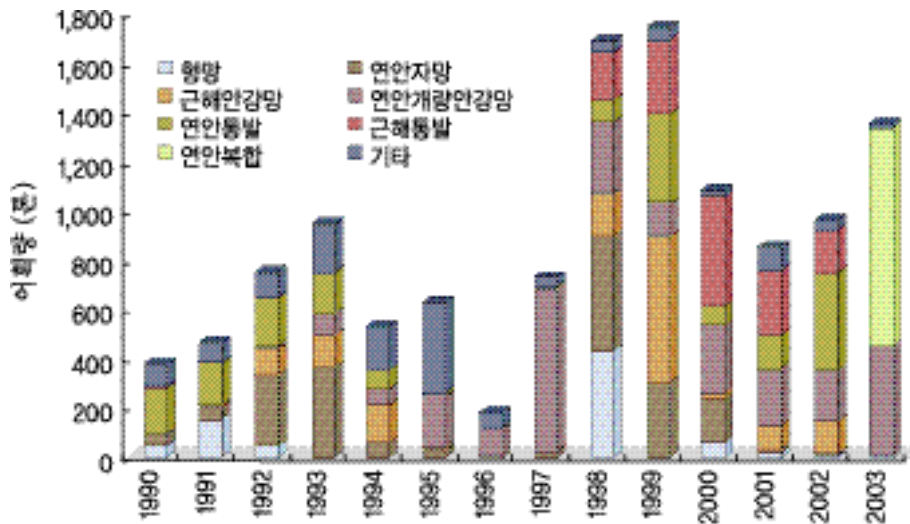
)



2-138.

1991 1,703 가 , 2002 17 가
 . 1992~1997 , 1998
 . 1997 , 2000 , 2002 , 11~94%가
 1995 , 1997 , 1998
 66%, 33%, 24% . 1992~1998
 3~60% . 2002 77% .

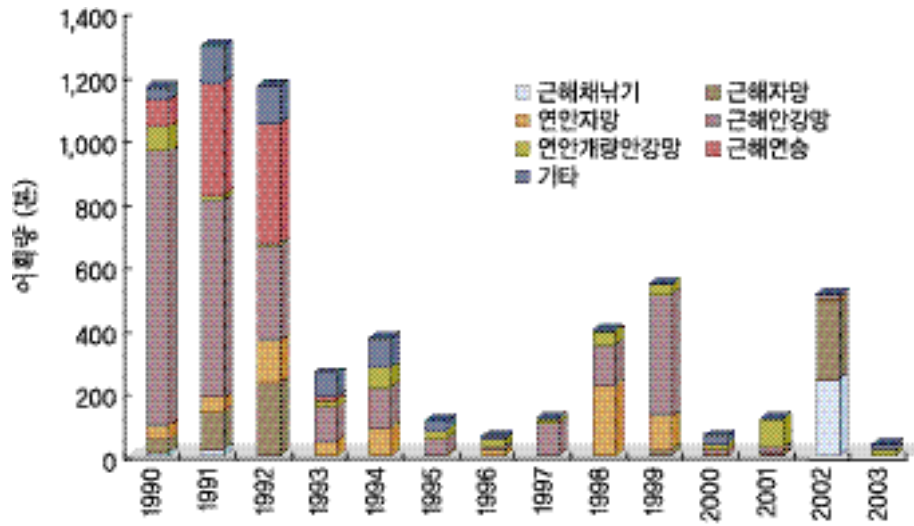
)



2-139.

1999 1,747 가 , 1996 178 가
 . 1994~1997 , 1998 1999 1,500
 2000 1,000 .
 1~90%가 , 1990~1994
 18~49% . 1995~1997
 33~90%가 . 2003
 66% ,
 32%가 .

)



2-140.

1991 1,295 가 , 2003 32
 가 1992
 3~88%가 ,
 1~76%가 . 2002
 48%, 47%가 , 2003 53%가

[3.]

가.

1)

3-1.

	吳		吳	吳
		吳	吳	

(吳 : , :)

2)

3-2.

	吴 吴		吴			吴	吴
		吴	吴	吴	吴		吴 吴

(吴： ， ：)

	吴		吴			吴	吴
			吴	吴	吴	吴	
	吴	吴		吴	吴		

(吴： ， ：)

1)

3-3.

		()	()	()		
					,	
		7~9	10~45	10~20	30 /	20~36
	,	5~11	10~14	4	80 /	12~14
	, , ,	1~5 8~11	15~60	4~7	100mm	10 (30)
	, ,	9~12	70~80	10	32mm	2 (2000 /)

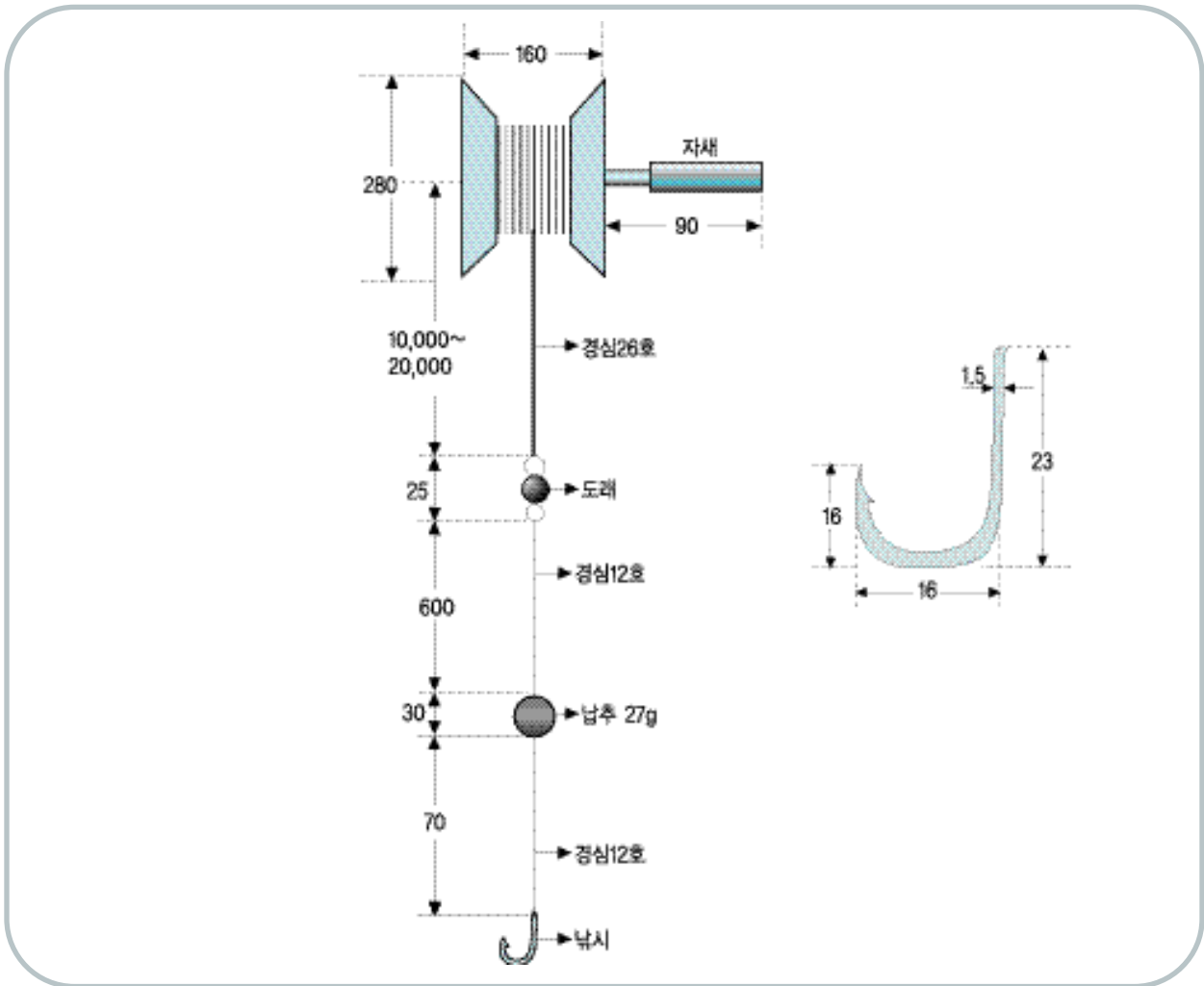
2)

3-4.

		()	()	()		
					,	
	,	4~11	3~4	3	1 /	1 /
	,	5~11	3~4	3	80 /	8~11
	, ,	11~4	3~4	2~3	45~60 /	1
		11~5	3~4	3		100 (400 /)
	,	4~7	1~2	2	1000 /	1
	, ,	4~6 8~11	3~4	3	100mm	20~30 (200~300)
(1)	, ,	3~6 8~11	3~4	3	22mm	10 (100 /)
(2)	, ,		1~5	2	17mm	5~8 (100 /)
	, ,	3~6 7~11	7~8	4	30.3mm	1 (200m)
	,	3~6 11~1	7x2	2~3/	27.5mm	1
	, , , , , , , ,	4~6 8~11	6~7	3	25~303mm	5 (130m)
	, , , ,	5~8	2~3	2	15.9~151.5mm	10 (30m)
		1~4	1~2	2	120~150	20 (40m)
	, , , ,	5~9	3~5	3	50.5mm	1
	, ,	9~12	-	1~2	14.4mm	1

3)

가)



: 4~11

: 10~20m,

: 60%, 40%

가 60%, 40%

: ,

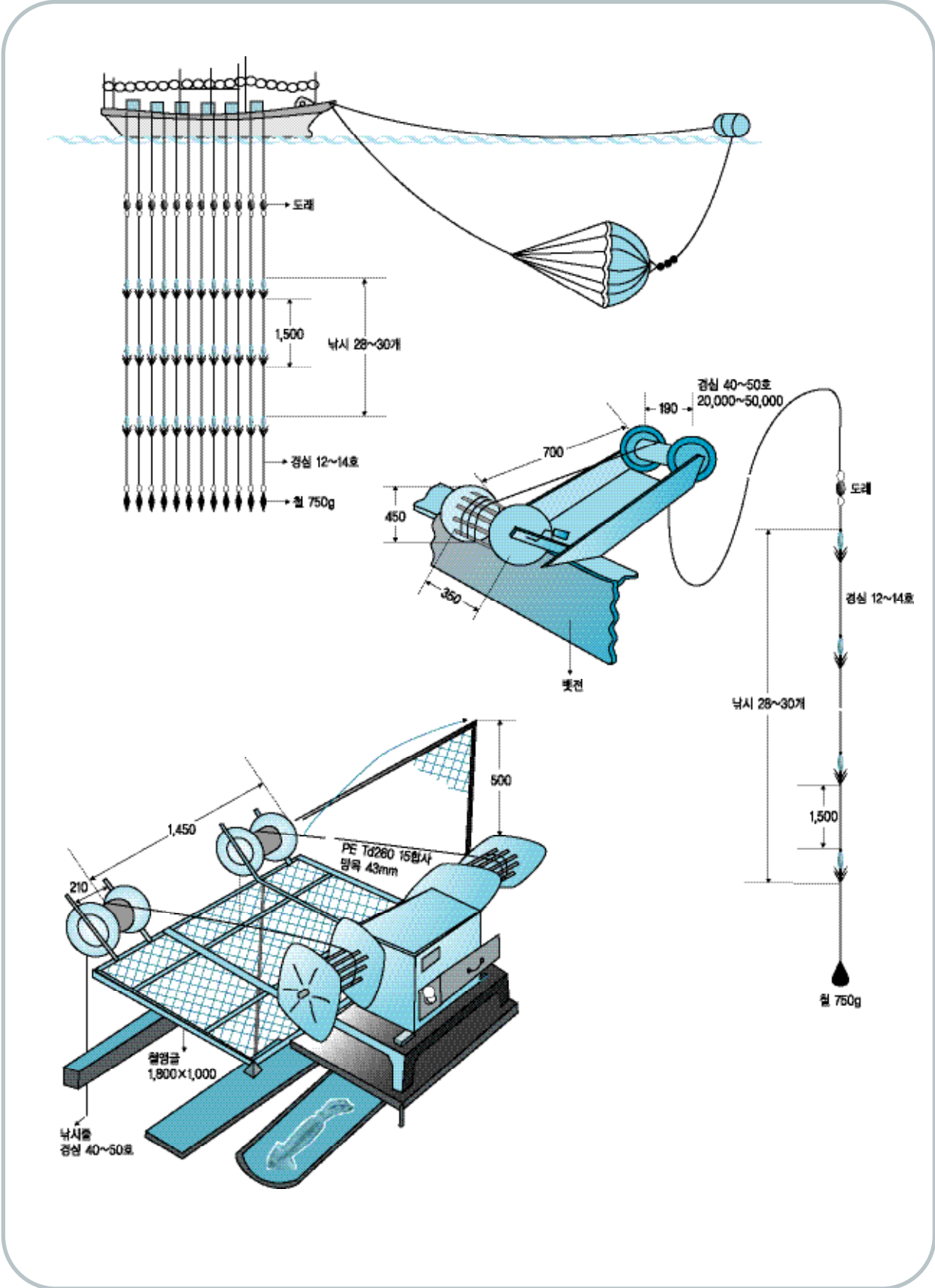
, 26 10m , , 12 60cm,
 , 12 7cm, 1 .

4 5 .

1 1

가 .

)



: 7~9

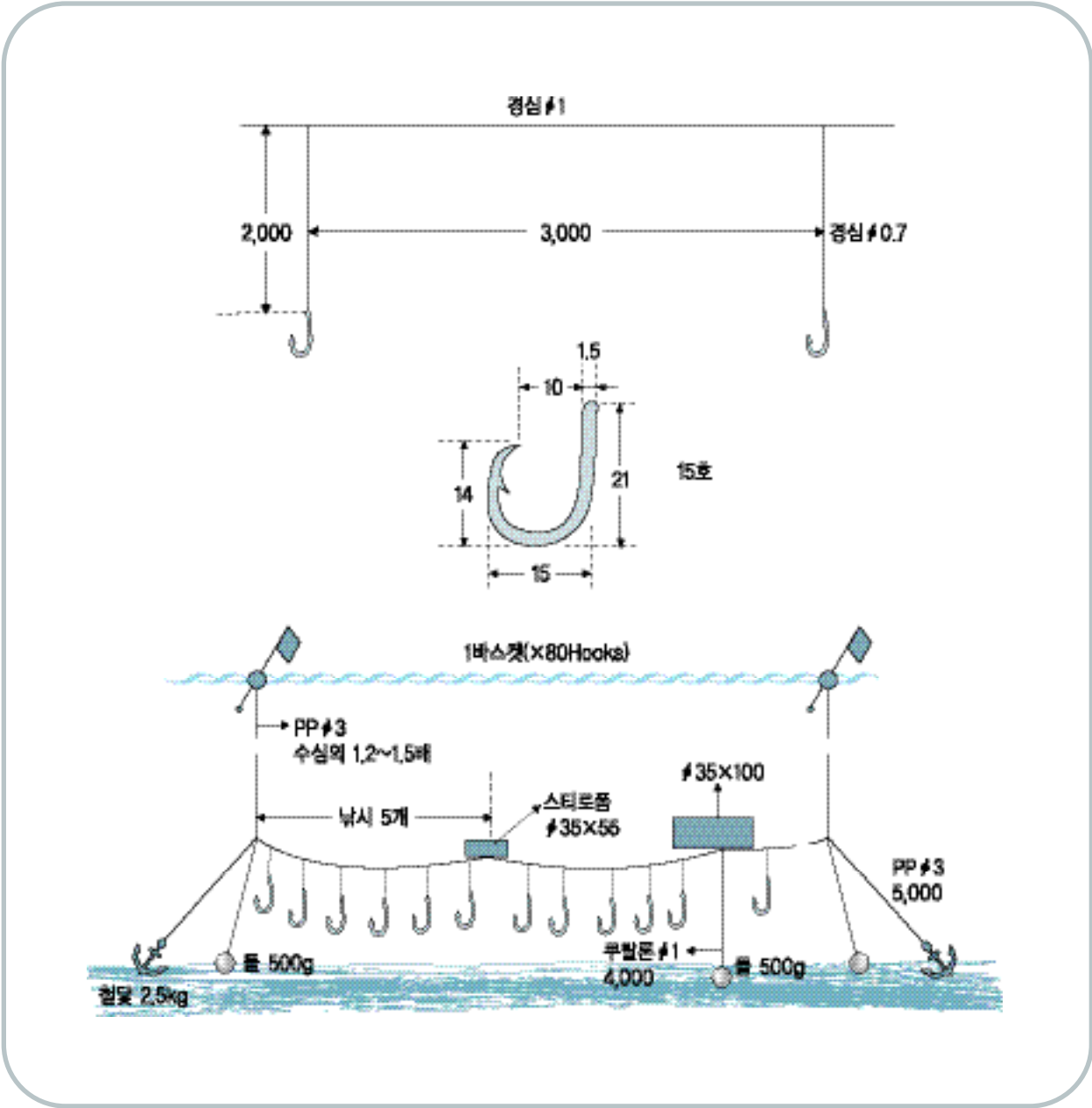
: 10~50m,

: 100%

:

가 30 1 40 50
 , 12 14 , 1m50cm .
 가 , 1m70cm
 . 1 . , , .
 가 가 . 가
 가 ,
 가 가 가
 가 가 . 1 2
 가 가 가 22 가
 .

)



: 5~11

: 6~10m,

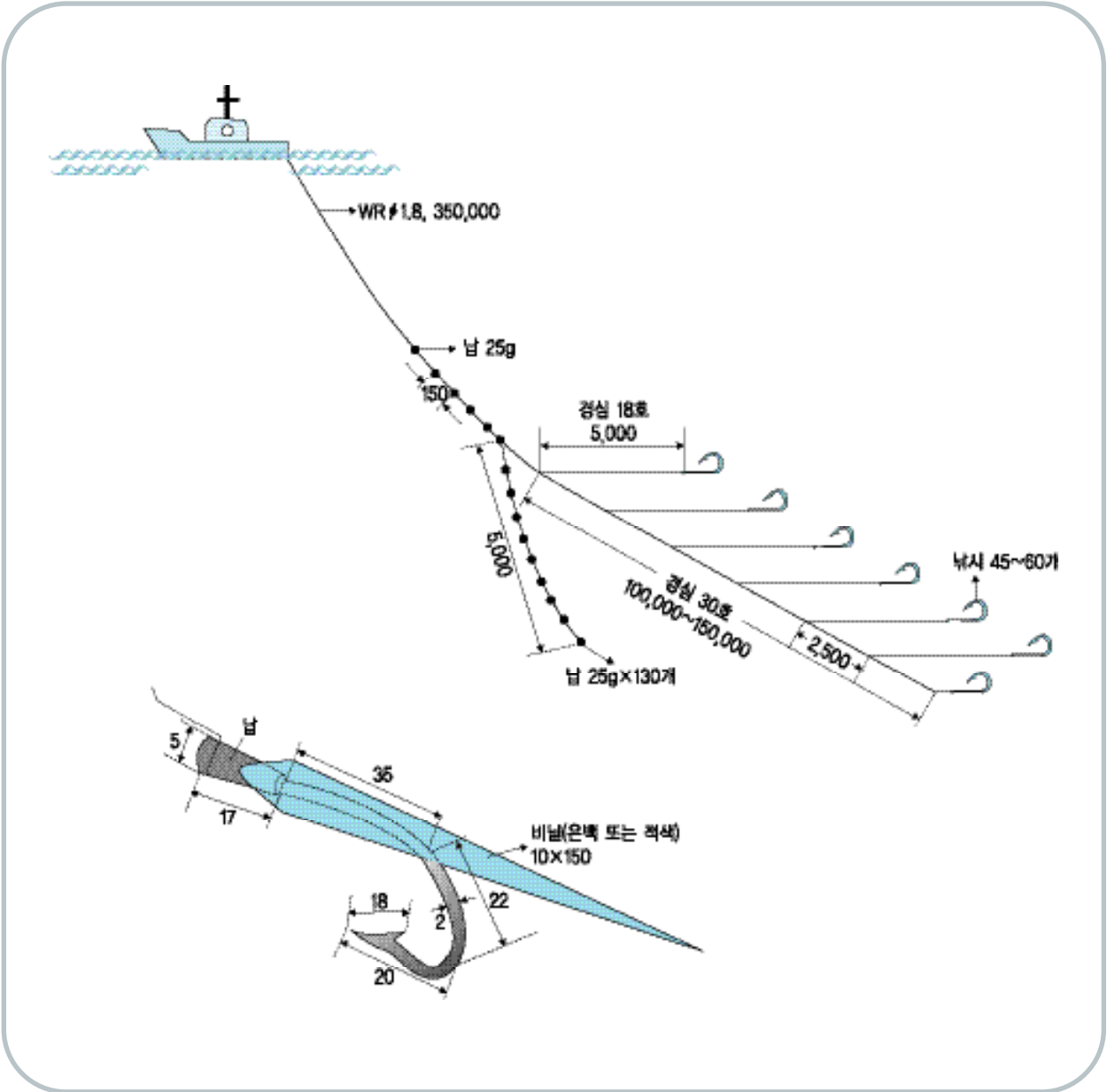
: ,

: , ,

:

	1mm	3m	0.7mm	2m
	,	80	.	10
500g	, 1	2.5kg,	500g	12
.				
	3	,	가	
.			5	, 10
		.	1	10 12
	1 2			가
		,		
3	.	,	4	1
	1	2 ,	3 4	.

)



: 11~4

: 30~40m,

: 50%, 40%, 10%

:

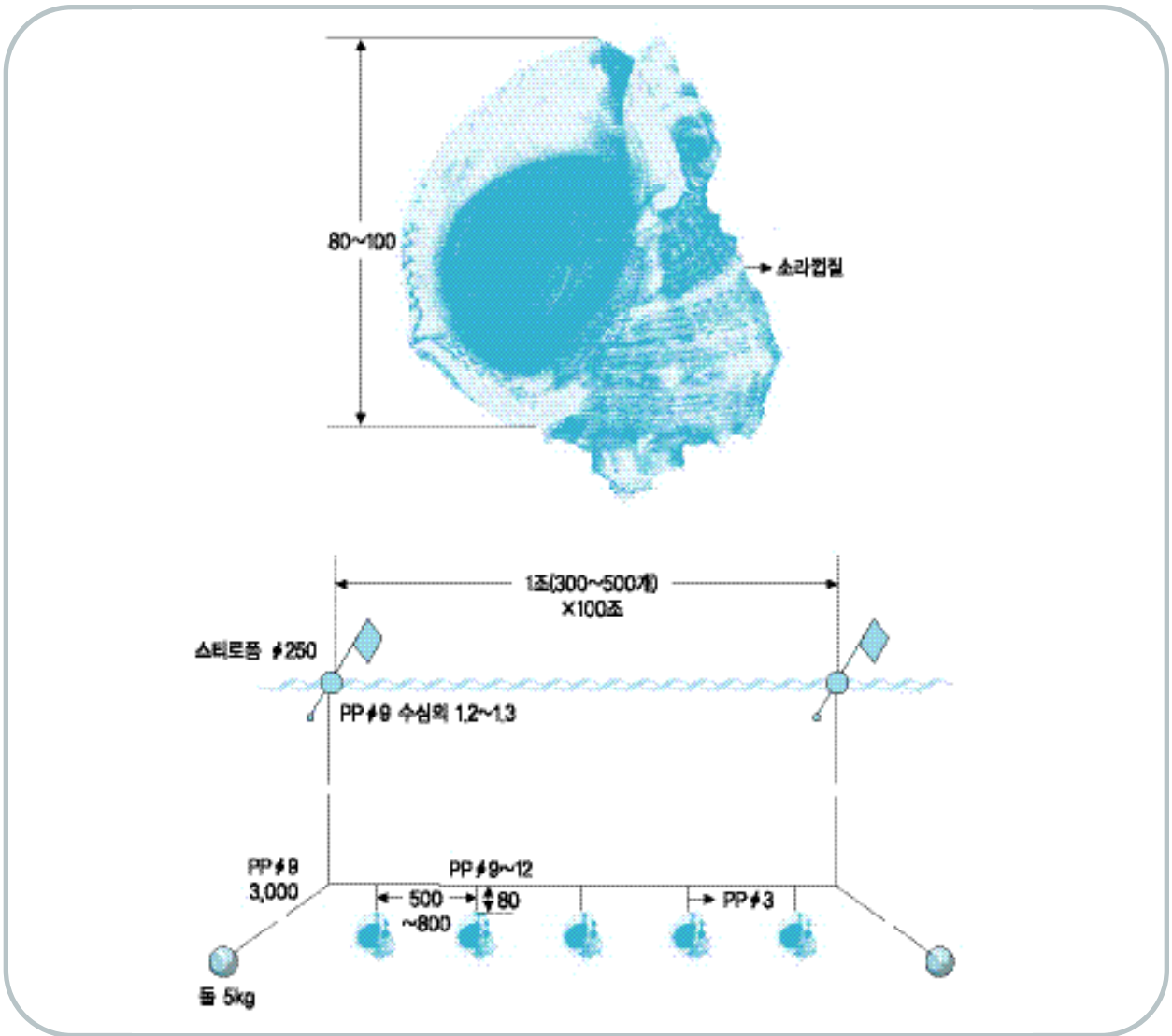
:

, 18, 1.5 1.8mm, 30 (25g)

, 5 6, 1, 5 6

4 5, 가, 30m

)



: 11~5

: 5~25m,

:

:

:

PP 3mm

PP 9~12mm

50~80cm

3~4

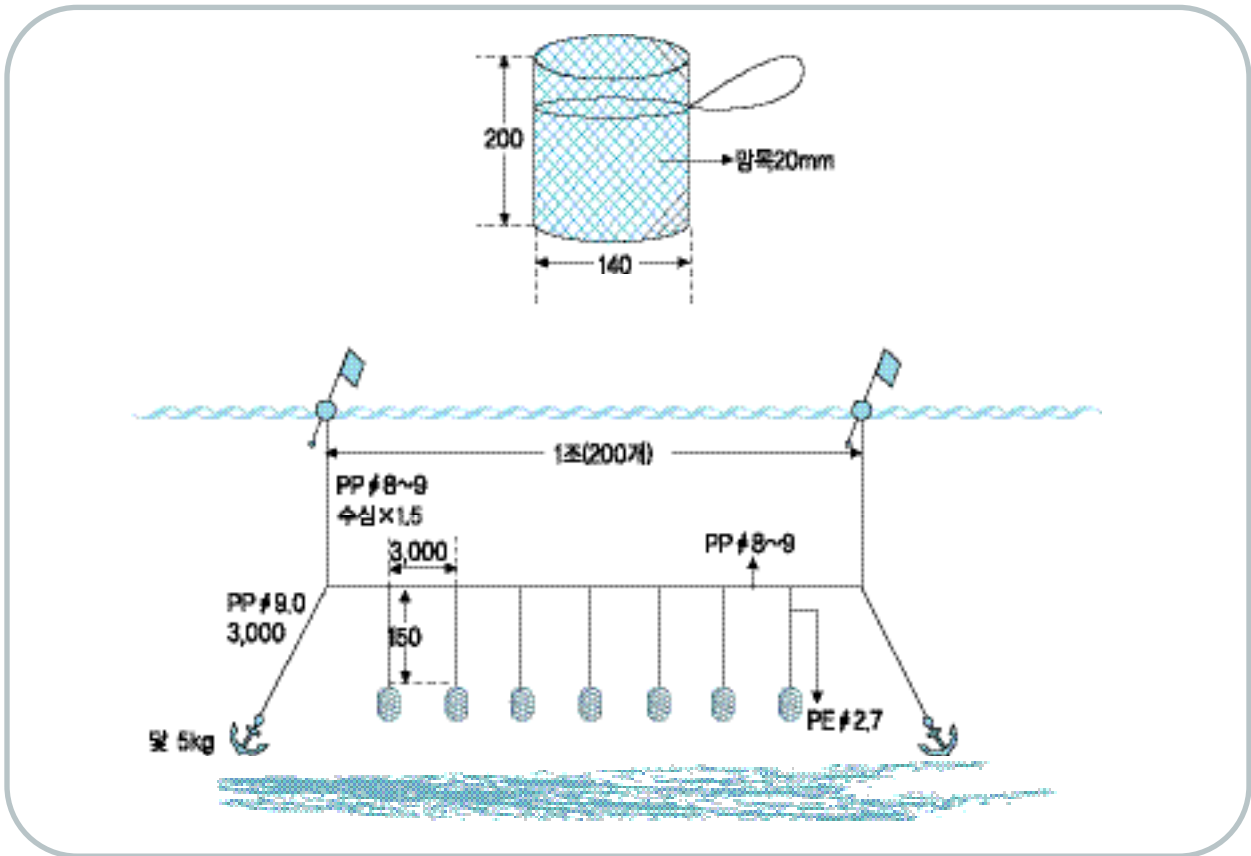
30,000

1

2

2~3

)



: 4~7

: 10m ,

:

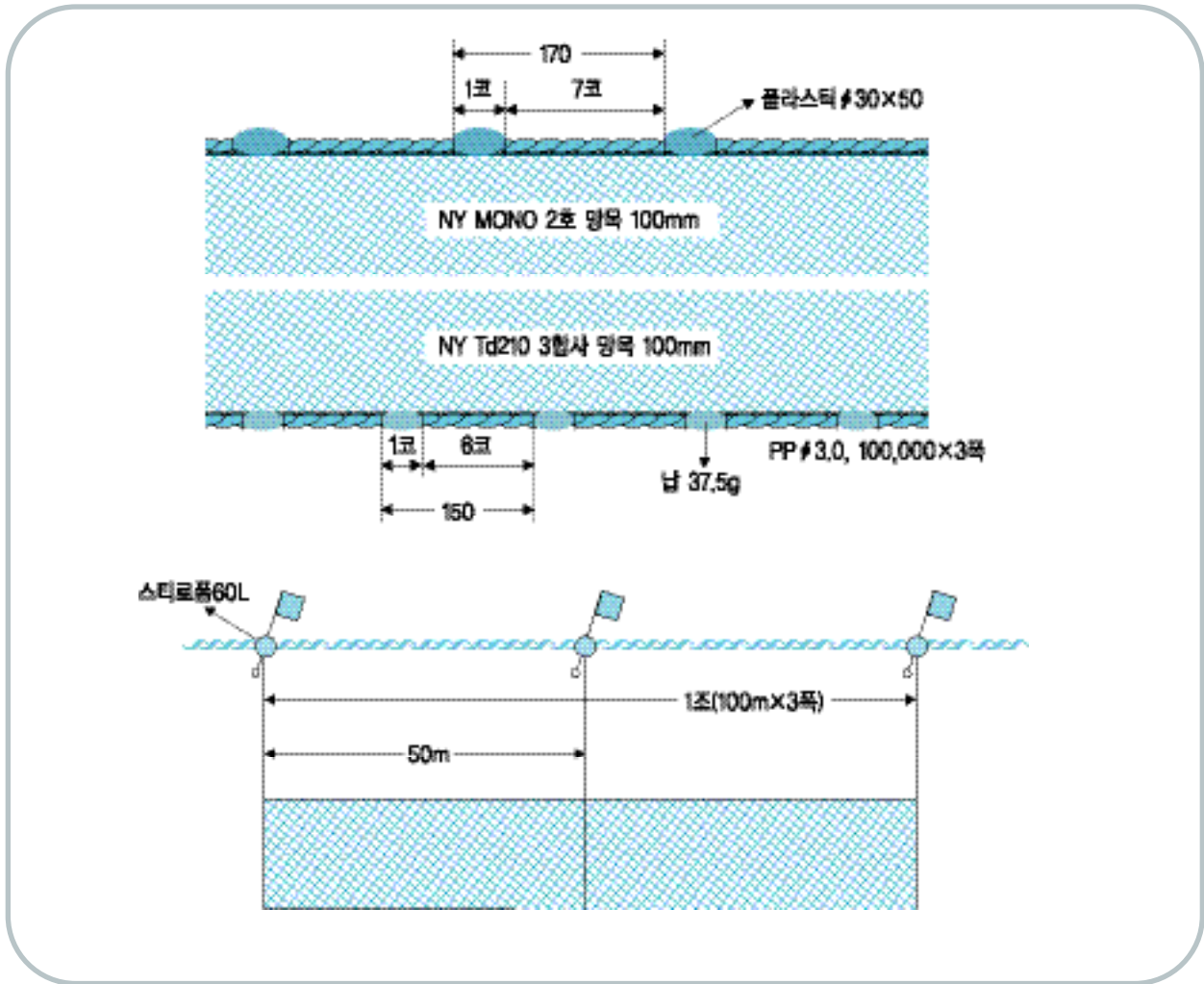
:

:

PP 9mm 3m PP 2.7mm
20mm

1,000 , 15

)



: 1~5 , 8~10

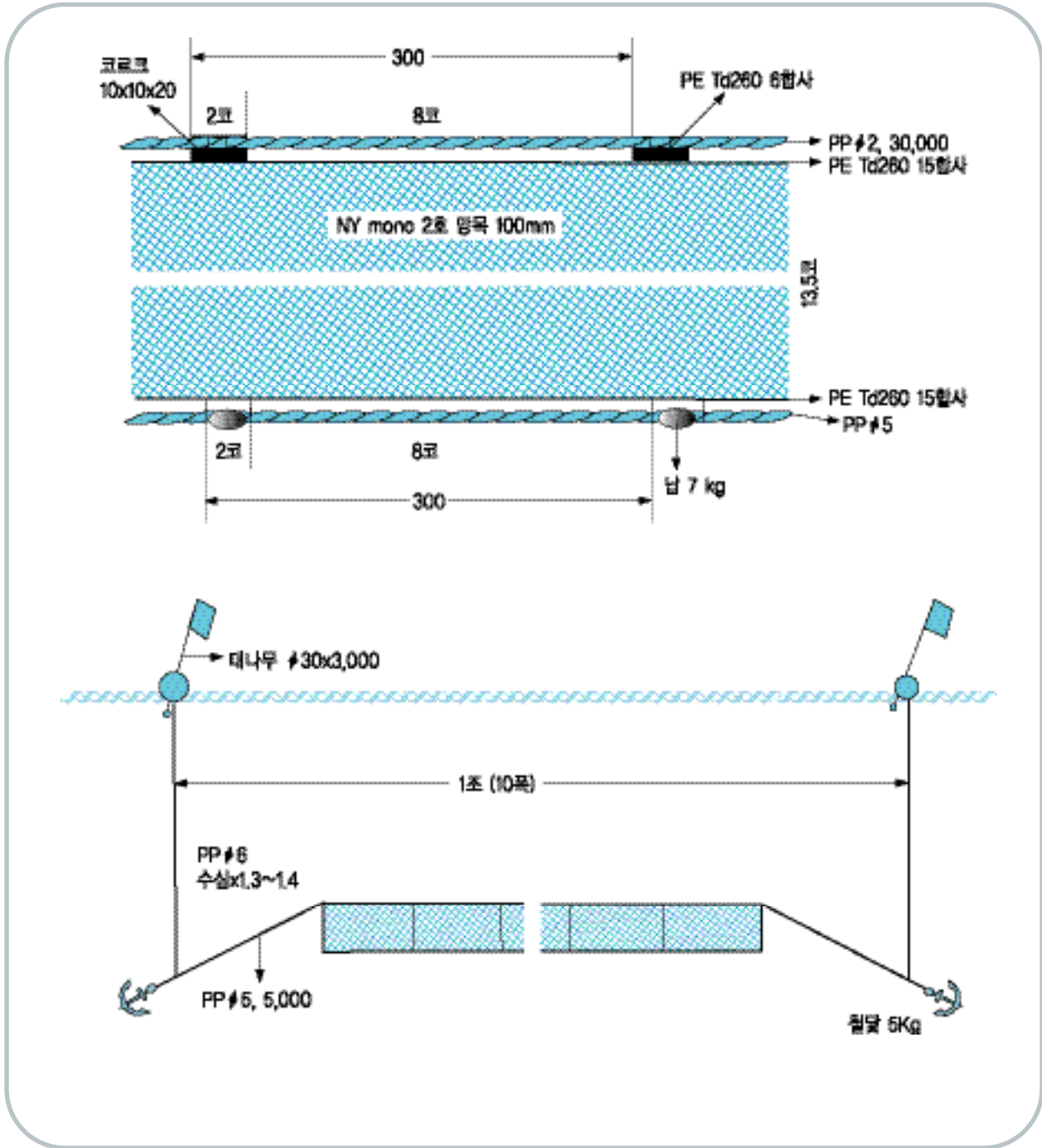
: 15m,

: 80%, , , 20%

:

NY mono 2	100mm	NY Td210 3
100mm	.	,
150~170mm	.	50m ()
100~200m	3	.
1	3~10	1 1 . 6 7
.	가	, . 가
.	1	5~10 , 15~30 .

)



: 4~6 , 8~11

: 15m,

: 80%, , 20%

:

NY mono 2 100mm .

, 300mm . 10 (300m)
() 1 30m 10 20~30

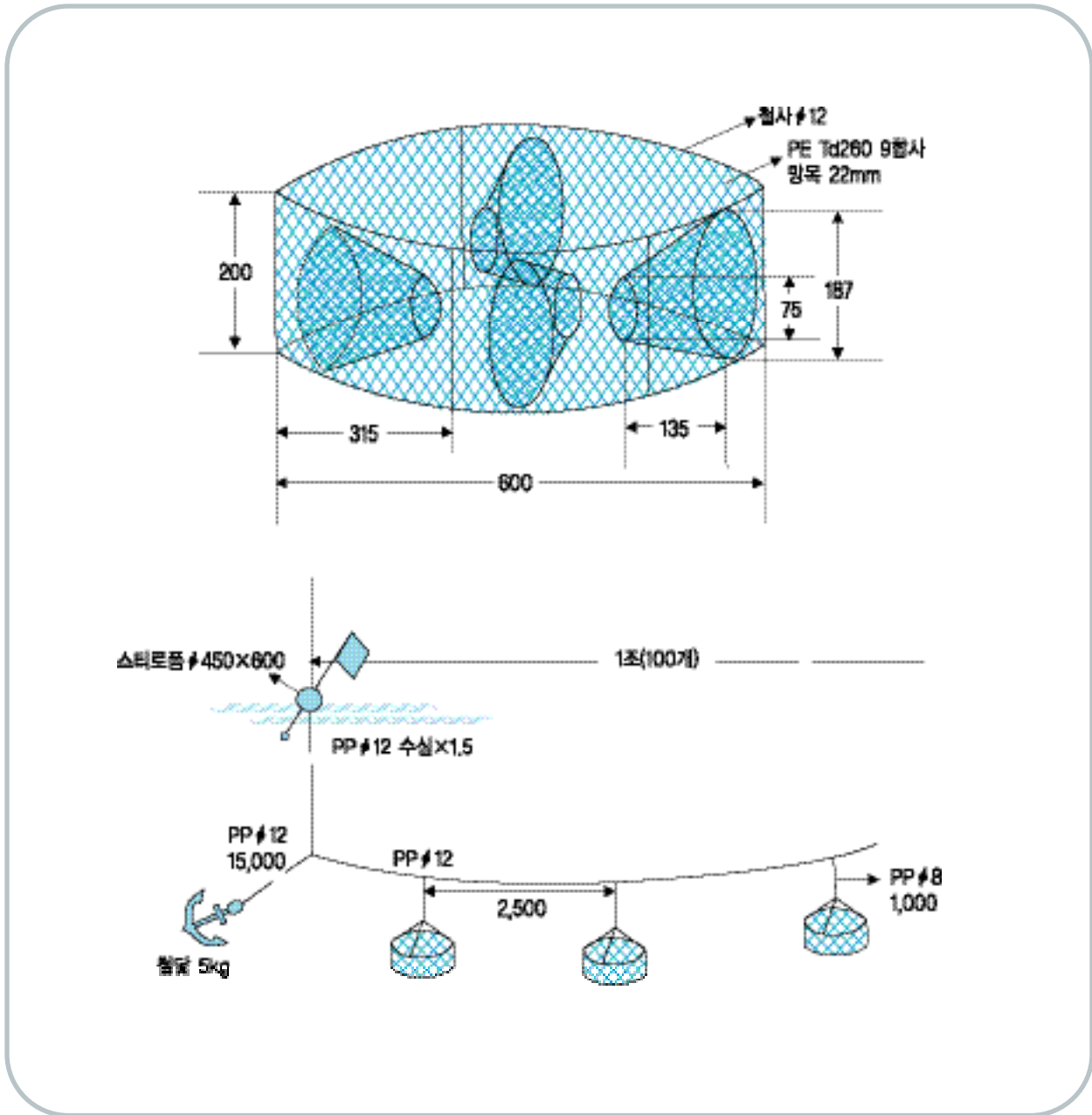
1 200~300 1 1 . 6 7

. 가 , . 가

. 1 5~10 ,

15~30 .

) (1)



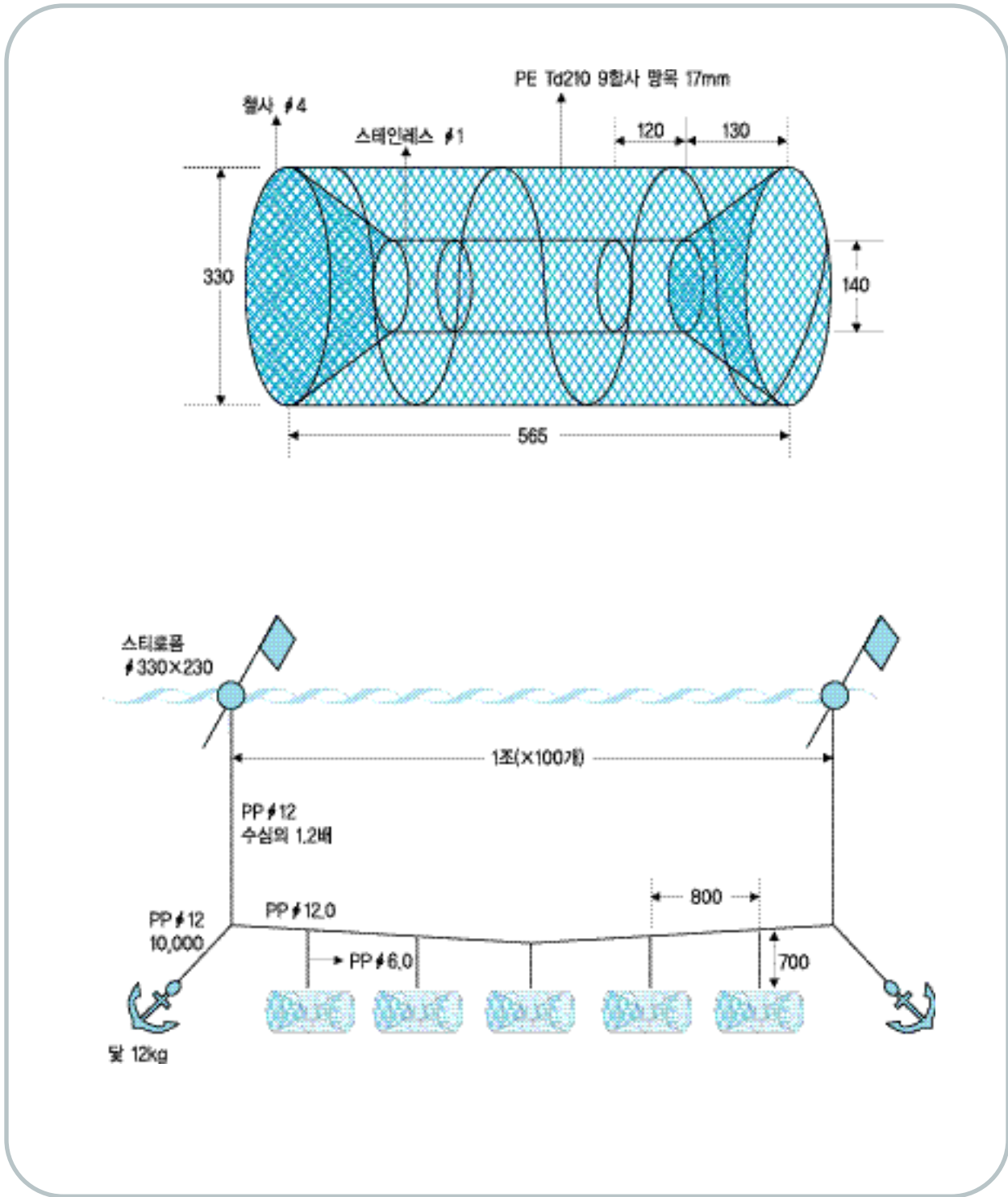
: 3~6 , 8~11

: 15m,

: (), 가 ()

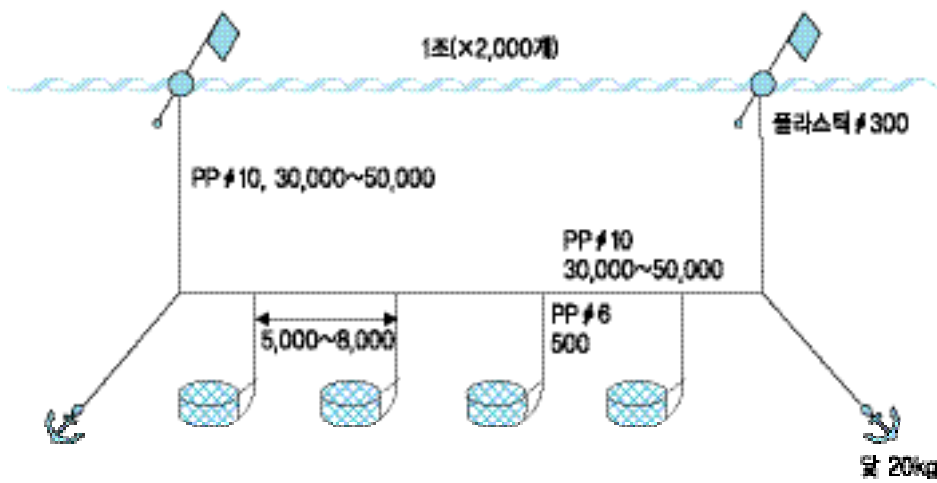
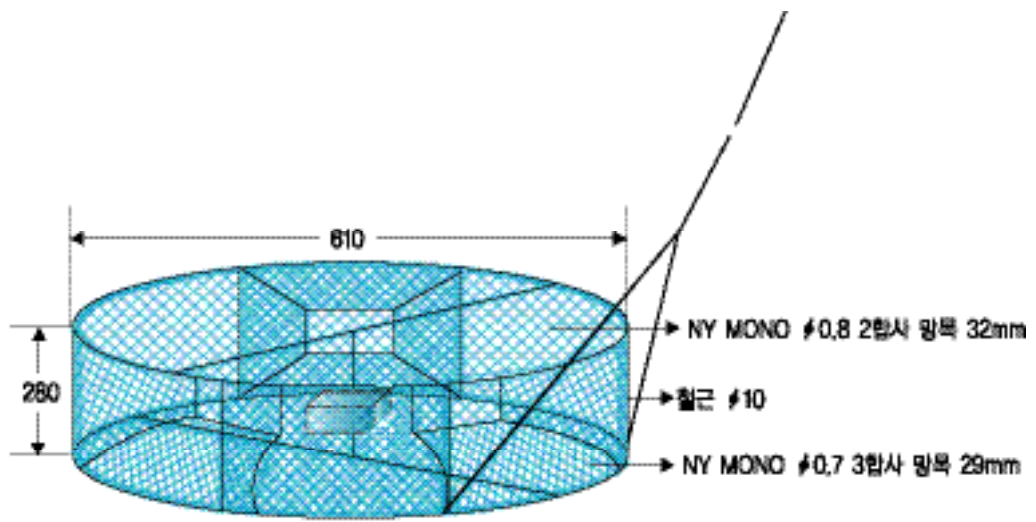
PP 12mm	2.5m	PP 8mm	1m
12mm		60cm,	20cm
PE Td260 9	22mm	,	4
100 1	10	.	
5~6	3~5		
.	1 ,		가

) (2)



:
 : 6m ,
 : , , ,
 :
 :
 PP 12mm 0.8m PP 6mm 0.7m
 . 4mm 330mm, 565mm
 , NY Td210 9 17mm , 2
 100mm . 100 1 5~8 (500~800
)
 5~6 3~5
 . 1 , 가
 , .

)



: 9~12

: 30~50m,

: , ,

: , ,

:

10mm

NY mono 0.8mm 2

32mm

, NY mono 0.7mm 3

29mm

3

. 5 8m,

5m ,

2,000

1

2

.

가

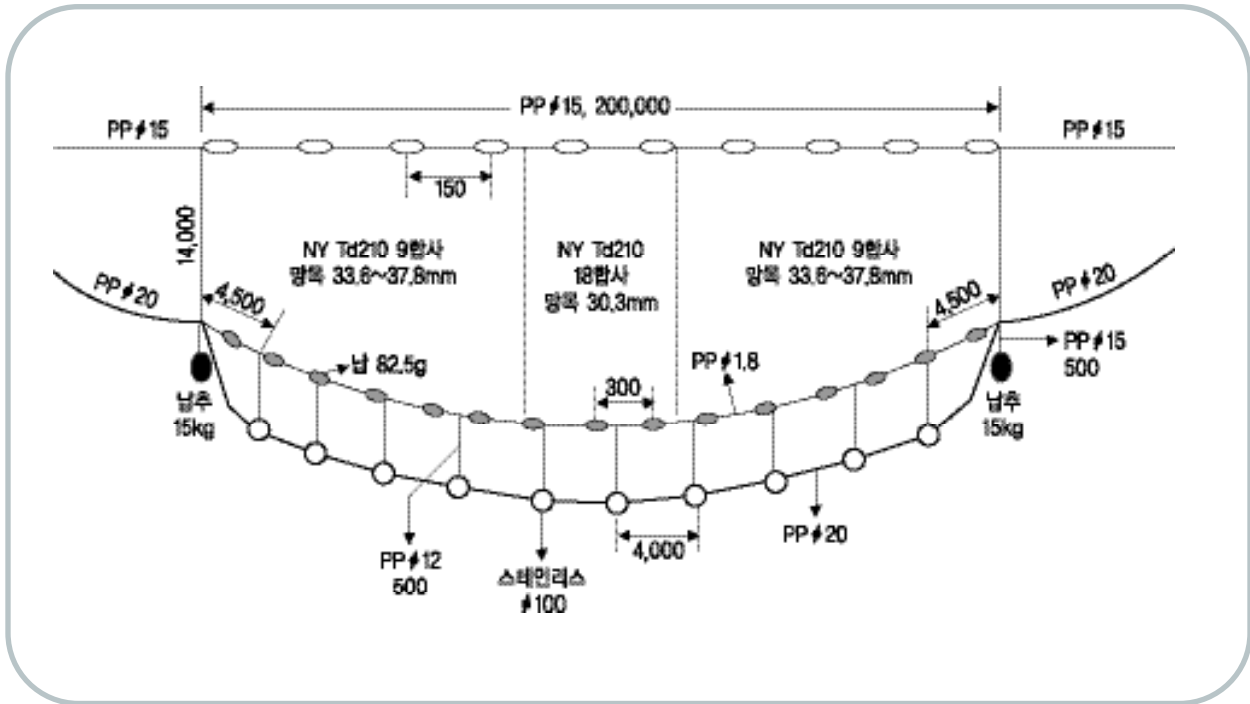
.

. 1

1 30 ,

3 4

.



: 3~6 , 7~11

: 5~15m,

: 3~6 ()

7~11 (,)

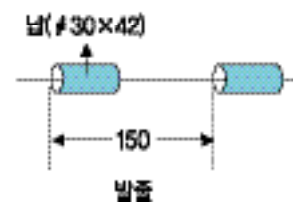
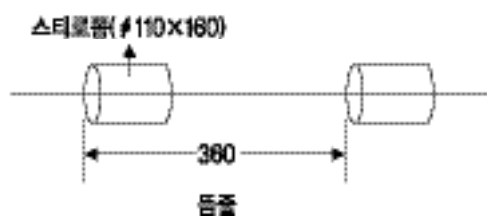
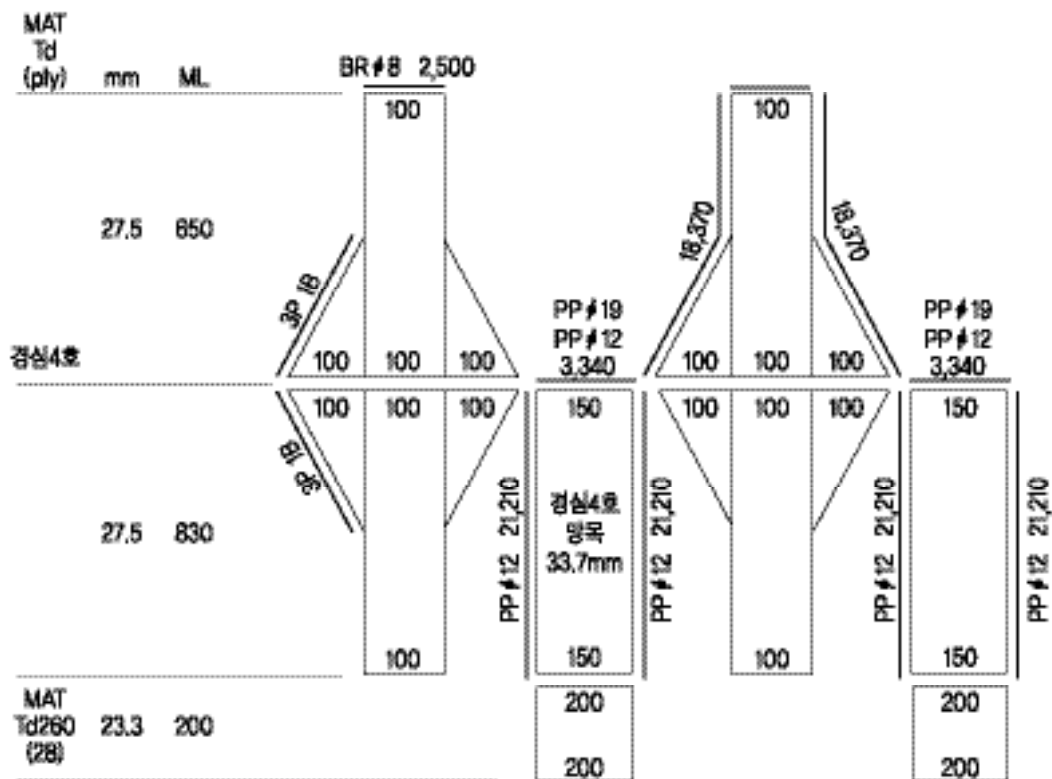
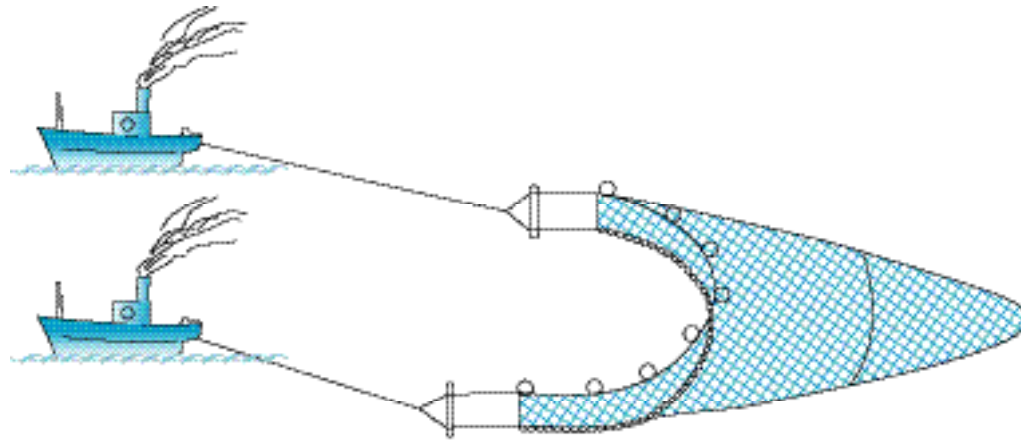
:

200m, 14m , NY Td210 9
 33.6~37.8mm, 가 NY Td210 18 30.3mm
 (PP 15mm) 15cm , (PP 20mm)
 30cm 가 ,
 (15kg) 가

45~60m

가

가



: 3~6 , 11~1

: 15~30m,

: 95%, 5%

:

:

가

2

가

, , ,

PA mono 0.33

27.5mm,

PA mono 0.33

23.3mm

3.34m (PP 12.0) 150

36cm

15cm

, , ,

3 4

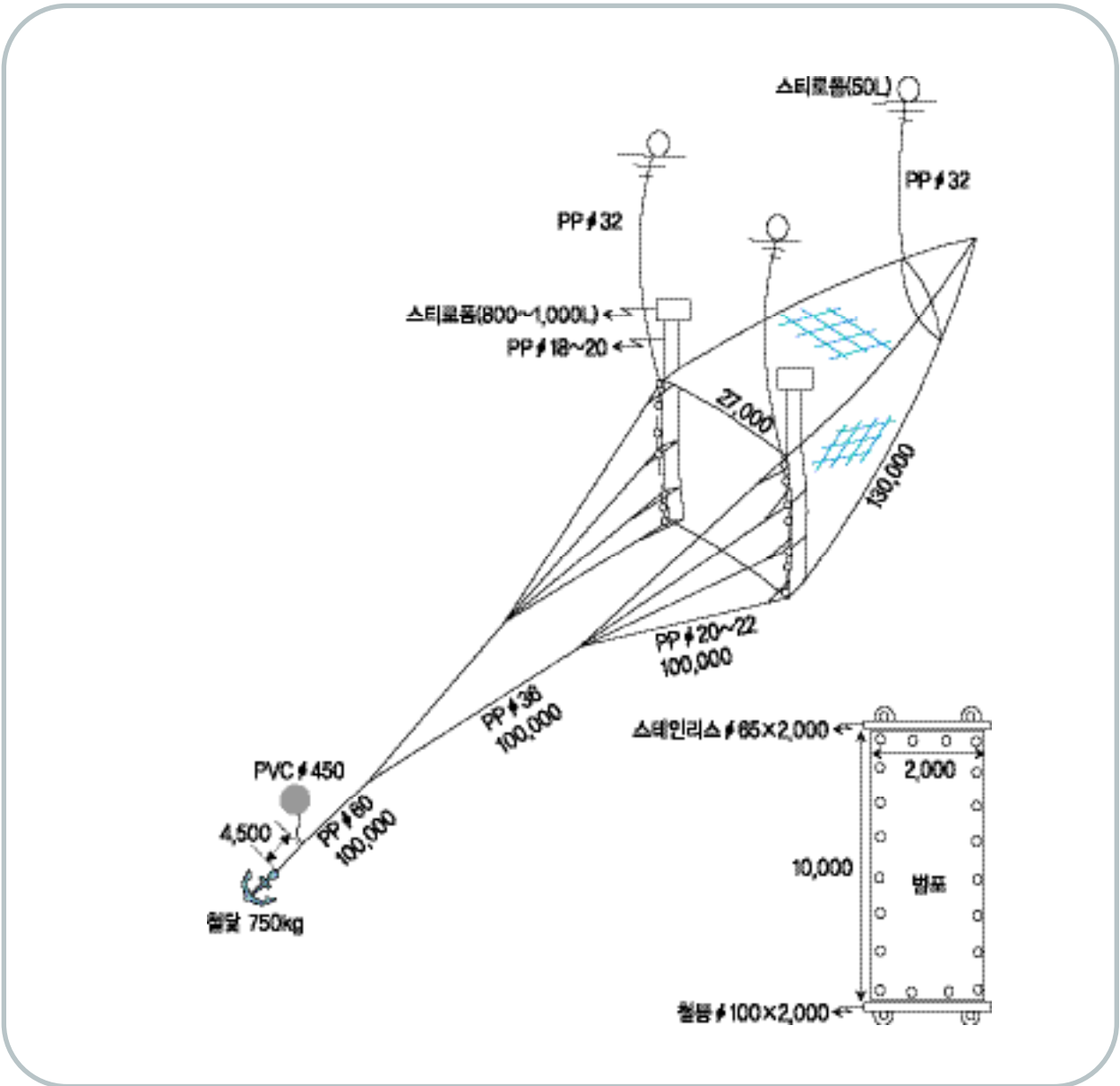
7

30 40 ,

20 ,

5 6

)



: 4~6 , 8~11

: 15~50m, ,

: - , , , , , , , ,

-

가 - , ,

- ,

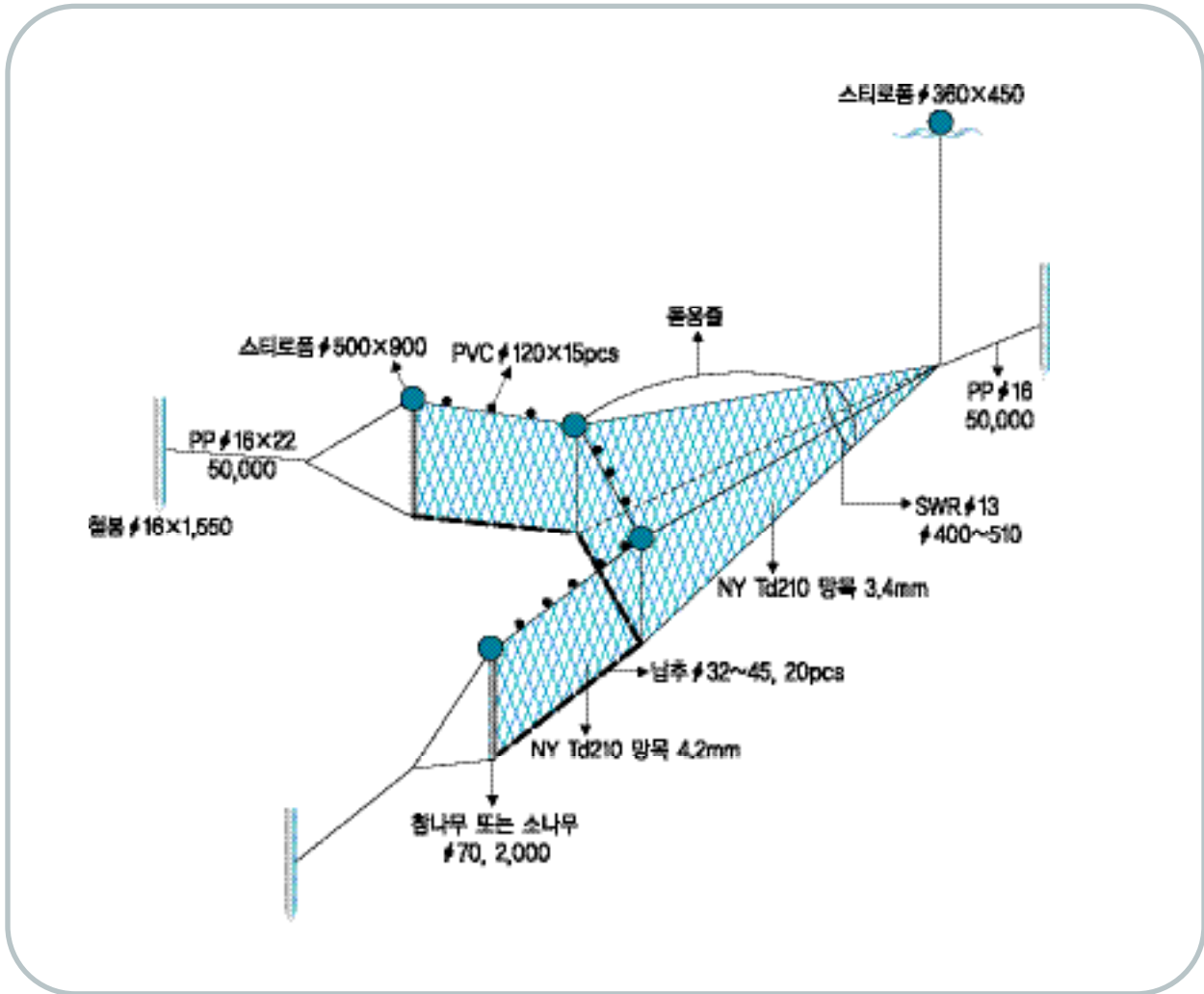
:

10m 3 가 27m, 20~40m , 가 1.8~2m, 130m .

1

1 , 가 1

)



: 1~4

: 4~5m,

:

:

:

가

가

가 . ,

,

,

,

,

.

가 ,

가 ,

가

.

(120)

(150)

16.8m

6.6m ,

40~50cm가

가

.

: 5~9

: 15~35m,

: , , ,

:

PE Td260 81 50.5mm , .

가 12m .

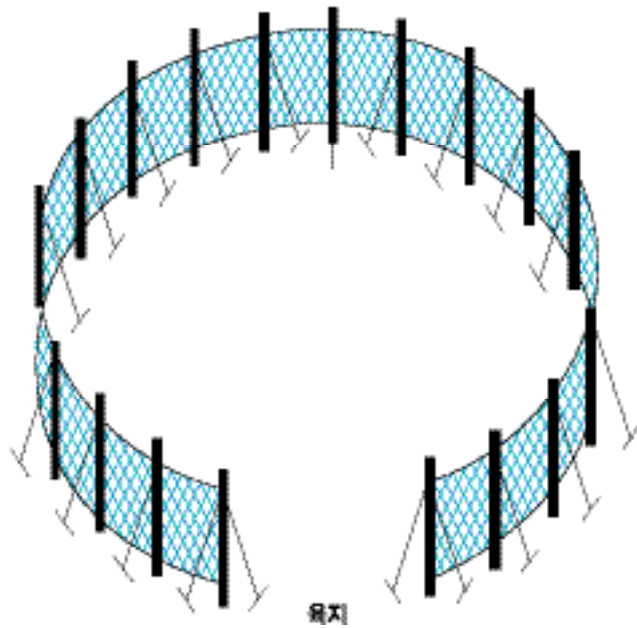
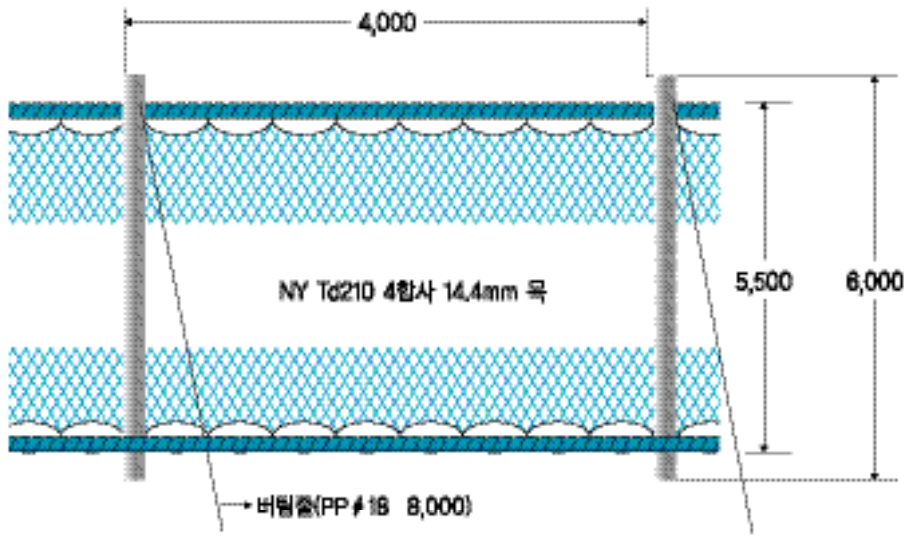
6~8

1~2

1~2

, 1 2~4 .

)



: 9~12

: 6m ,

:

:

:

가

가

가

v 가

가

14.4mm

11 26

가

1 2

가

[4.

가.

1)

가)

4-1

4-1

56.22

(89.00) (66.00)

(19.71) 10.00

(33.27)

(0.00)

9.33

(16.50) (14.00) (8.25)

(9.09) (0.90)

26 1

3.26 4.50

7.93 ,가 1.50 가 6

,가 4

4-1.

(: ,)

	89.00	89.00	40.00	86.30	66.00	7.93
	10.00	89.00	12.00	10.00	66.00	1.50
	56.22	89.00	19.71	38.33	66.00	5.02
	35.10	0.00	10.13	33.27	0.00	3.26
	26.00	22.00	9.00	26.00	21.00	6.00
	1.00	1.00	7.00	4.00	12.00	4.00
	9.33	8.25	7.86	14.00	16.50	4.50
	5.94	5.64	0.90	9.09	6.36	1.00

)

- -

4-2

65,196.55

(95,481.25) , 가

(14,000.00) . 가가

(61,655.27) , 가가 (0.00) .

516,243.38 .

(694,657.44),

(634,507.00) , 가 (222,400,00) .

가가 (406,024.96) , 가

가 (191,847.62) .

88% .

19,143.75 24,785.36

가 57,000.00 .

22,286.25 29,556.45 , 가

69,200.00 .

4-2.

(:)

		200,000.00	0.41	947,500.00	1.00
		0.00	0.00	36,500.00	0.59
		65,196.55	0.12	516,243.38	0.88
		61,781.63	0.10	309,71.39	0.10
		200,000.00	0.21	947,500.00	0.98
		2,500.00	0.02	110,609.00	0.79
		95,481.25	0.12	694,657.4	0.88
		61,655.27	0.07	224,395.10	0.07
		150,000.00	0.41	655,000.00	0.96
		10,000.00	0.04	36,500.00	0.59
		38,714.29	0.20	222,400.00	0.80
		49,698.14	0.16	217,109.50	0.16
		30,000.00	0.07	468,081.00	1.00
		0.00	0.00	116,64.00	0.93
		14,000.00	0.04	247,908.33	0.96
		15,099.67	0.04	191,87.62	0.04
		20,000.00	0.05	921,610.00	0.98
		20,000.00	0.02	347,404.00	0.95
		20,000.00	0.04	634,507.00	0.96
		0.00	0.02	406,024.96	0.02
		57,000.00	0.7	69,200.00	0.92
		150.00	0.08	1,720.00	0.26
		19,143.75	0.34	22,286.25	0.66
		24,785.36	0.21	29,556.45	0.21

4-3

167,482.76
 (263,812.50)
 가가 (134,167.17) , 가가 87,862.07 ,
 (28,867.51) , 가 (115,714.29),
 (115,000.00) , 가가 (170,210.41) ,
) , 가 (7,071.07) .

9,157.14 10,579.36

, 가가 25,000.00 .

20,437.50 17,381.10 , 가

45,000.00 .

4-3. (:)

		500,000.00	1.00	520,000.00	1.00
		0.00	0.00	0.00	0.00
		167,482.76	0.66	87,862.07	0.34
		148,820.03	0.41	136,997.32	0.41
		500,000.00	1.00	520,000.00	0.83
		99,000.00	0.17	0.00	0.00
		263,812.50	0.84	78,625.00	0.16
		134,167.17	0.30	170,210.41	0.30
		120,000.00	1.00	210,000.00	0.95
		10,000.00	0.05	0.00	0.00
		65,142.86	0.56	115,714.29	0.44
		33,962.86	0.42	108,298.53	0.42
		50,000.00	1.00	120,000.00	1.00
		0.00	0.00	0.00	0.00
		16,666.67	0.33	50,000.00	0.67
		28,867.51	0.58	62,449.98	0.58
		100,000.00	0.48	120,000.00	0.80
		30,000.00	0.20	110,000.00	0.52
		65,000.00	0.34	115,000.00	0.66
		49,497.47	0.20	7,071.07	0.20
		25,000.00	1.00	45,000.00	1.00
		0.00	0.00	0.00	0.00
		9,157.14	0.28	20,437.50	0.72
		10,579.36	0.33	17,381.10	0.33

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4 - 4 , , 491,511.01
 , . (634,298.31) ,
 , (566,148.56) , 가 (201,451.07) .
 418,574.57 ,
 (594,073.25) ,
 (486,073.00) .
 72,936.45 ,
 (160,781.86) , (80,075.56) .

4-4. (:)

		760,000.00	768,400.00	404,228.00
		7,687.15	10,637.00	(168,400.00)
		491,511.01	418,574.57	72,936.45
		202,077.77	228,209.11	119,016.00
		760,000.00	768,400.00	254,576.76
		560,000.00	420,652.00	(168,400.00)
		634,298.31	594,073.25	40,225.06
		54,343.28	100,056.67	96,972.38
		512,689.00	356,215.00	404,228.00
		200,000.00	68,502.00	4,480.00
		335,985.29	175,203.43	160,781.86
		142,628.62	96,863.14	173,807.08
		483,532.14	379,491.00	104,041.14
		7,687.15	10,637.00	(2,949.85)
		201,451.07	162,051.50	39,399.57
		210,559.61	161,547.41	49,283.65
		627,032.12	498,750.00	128,257.12
		505,265.00	473,371.00	31,894.00
		566,148.56	486,073.00	80,075.56
		86,102.36	17,963.34	68,139.02
		51,461.55	65,832.93	29,914.00
		6,500.00	86.00	(24,937.93)
		30,038.65	21,715.47	8,323.18
		14,319.66	24,414.87	18,234.7

			30,038.65	14,319.66
,	가		51,461.55	.
	21,715.47	24,414.87	,	가
	65,832.93	.		8,323.18
18,234.74	,	가	29,914.00	.
4-5			,	,
	가	,	,	.
	203,511.53	,		
	(296,860.00)	.		가가
(101,781.54)	,	가가	(22,751.87)	.
			128,777.07	,
	(189,862.50)	,	(176,135.69)	.
	가가	(74,478.07)	,	가
(1,721.81)	.			
				37,301.63 ,
740.40	17,996.00	.		
		가	29,076.60	,
		(50,106.00)	,	(40,273.50)
	가가	(10,618.84)	,	가
(6,163.42)	.			
			12,111.82	15,780.94
,		42,482.93	1,990.00	.
	11,022.50	8,988.63	,	24,500.00
2,000.00	.	가		1,354.48
1,562.27	,	4,333.33	86.00	.

4-5.

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												가	
		535,000.00	0.73	250,000.00	0.53	76,000.00	0.16	9,000.00	0.05	81,000.00	0.44	56,472.00	0.27
		3,802.00	0.20	2,500.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	1,825.00	0.01
		203,511.53	0.47	128,77.07	0.31	37,301.63	0.08	740.40	0.00	17,996.00	0.04	29,076.60	0.08
		133,282.56	0.12	71,695.15	0.11	25,636.95	0.04	1,703.06	0.01	17,693.54	0.08	18,008.68	0.05
		535,000.00	0.70	250,000.00	0.44	76,000.00	0.11	2,872.00	0.01	32,000.00	0.05	56,472.00	0.13
		132,294.00	0.31	130,000.00	0.20	19,057.00	0.04	0.00	0.00	8,720.00	0.02	22,125.00	0.03
		296,860.00	0.49	176,135.69	0.31	53,075.25	0.09	717.00	0.00	26,563.69	0.04	40,273.50	0.07
		101,781.54	0.10	31,605.05	0.08	17,380.72	0.02	816.62	0.00	6,956.51	0.01	10,618.8	0.03
		225,100.00	0.73	80,000.00	0.42	57,554.00	0.16	560.00	0.00	6,500.00	0.03	17,061.00	0.10
		34,17.00	0.50	6,000.00	0.03	4,535.00	0.04	0.00	0.00	0.00	0.00	1,825.00	0.01
		100,622.00	0.55	46,071.43	0.28	16,314.14	0.08	88.57	0.00	2,355.71	0.01	7,608.71	0.05
		65,492.30	0.09	31,559.61	0.15	19,764.31	0.05	208.12	0.00	2,730.71	0.01	6,163.42	0.04
		136,140.00	0.43	167,988.00	0.44	42,778.00	0.11	9,000.00	0.05	81,000.00	0.44	25,620.00	0.27
		3,802.00	0.20	2,500.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	2,825.00	0.07
		52,324.00	0.34	58,297.00	0.31	10,822.00	0.04	2,250.00	0.01	21,037.75	0.11	15,867.25	0.16
		57,78.07	0.09	74,478.07	0.11	21,305.36	0.05	4,500.00	0.02	40,002.42	0.22	9,712.66	0.09
		202,276.00	0.41	191,080.00	0.40	51,179.00	0.11	1,000.00	0.00	10,788.00	0.02	55,620.00	0.12
		170,100.00	0.36	188,645.00	0.38	48,918.00	0.10	0.00	0.00	792.00	0.00	44,592.00	0.09
		186,188.00	0.38	189,862.50	0.39	50,048.50	0.10	500.00	0.00	5,790.00	0.01	50,106.00	0.10
		22,751.87	0.03	1,721.81	0.02	1,598.7	0.01	707.11	0.00	7,068.24	0.01	7,797.97	0.02
		42,482.93	0.65	24,500.00	0.58	100.00	0.02	1,100.00	0.07	1,200.00	0.02	4,333.33	1.00
		1,990.00	0.31	2,000.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	86.00	0.04
		12,111.82	0.41	11,022.50	0.49	31.67	0.01	351.83	0.02	236.67	0.01	1,354.8	0.20
		15,780.94	0.13	8,988.63	0.11	49.16	0.01	538.07	0.04	475.04	0.01	1,562.27	0.35

4 - 6 , .

10% , 15% ,

가가 (38%) .

(34%) , 가 (10%) .

48% ,

(84%) . 가가

(107%) , 가 (0%) .

65% ,

(83%), (70%) .

가가 (119%) , 가 (3%) .

1.58 ,

(2.88) . 가가

(2.13) , 가 (0.40) .

517%, 732% , 33% 52% .

176% . 5.32 6.01 155%

17.44 .

4-6.

				()	
		0.86	3.10	6.13	5.11
		(0.38)	0.03	0.55	0.19
		0.15	0.48	1.58	0.65
		0.26	0.59	1.49	0.90
		0.38	0.60	5.23	5.11
		(0.28)	0.03	0.70	0.19
		0.06	0.34	1.19	0.70
		0.16	0.18	1.10	1.19
		0.86	3.10	6.13	1.08
		0.02	0.14	0.78	0.40
		0.38	0.84	2.88	0.83
		0.34	1.07	2.13	0.24
		0.22	0.24	1.48	0.29
		(0.38)	0.24	0.68	0.24
		0.03	0.24	1.06	0.26
		0.28		0.40	0.03
		0.20	0.67	1.80	0.41
		0.06	0.20	0.55	0.22
		0.13	0.43	1.18	0.32
		0.10	0.33	0.89	0.13
		1.00	20.00	17.44	4.45
		(0.61)	1.20	0.00	0.02
		0.33	5.17	5.32	1.55
		0.52	7.32	6.01	1.76

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4-8 .
 21,590.40 .
 (54,346.15), (48,875.00) ,
 가 (6,393.75) .
 가가 (315,000.00)
 , 가가 (8,550.00) .
 47,667.85 .
 (113,818.50) ,
 (104,925.70), (48,240.15) , 가
 (29,496.30) . 가가
 (262,700.00) , 가 (67,100.00) .
 74% ,
 (82%) .

4-8.

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		315,000.00	0.82	265,200.00	1.00
		0.00	0.00	1,900.00	0.18
		21,590.40	0.26	47,667.85	0.7
		42,830.15	0.20	53,199.64	0.20
		68,500.00	0.40	218,800.00	1.00
		0.00	0.00	24,501.00	0.60
		18,181.00	0.18	104,925.70	0.82
		22,838.91	0.15	68,648.20	0.15
		200,000.00	0.67	265,200.00	1.00
		0.00	0.00	2,500.00	0.33
		21,048.15	0.23	48,240.15	0.77
		46,404.89	0.19	68,811.19	0.19
		70,000.00	0.36	181,000.00	0.7
		23,500.00	0.26	65,500.00	0.64
		48,875.00	0.30	113,818.50	0.70
		19,158.88	0.04	49,093.39	0.04

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		10,000.00	0.31	80,000.00	0.92
		1,450.00	0.08	12,900.00	0.69
		6,393.75	0.19	31,475.00	0.81
		3,599.8	0.10	24,851.89	0.10
		45,000.00	0.77	86,000.00	1.00
		0.00	0.00	1,900.00	0.23
		14,619.57	0.27	29,496.30	0.73
		16,038.25	0.22	22,299.97	0.22
		315,000.00	0.82	100,000.00	1.00
		0.00	0.00	2,300.00	0.18
		54,346.15	0.46	35,946.15	0.54
		85,759.69	0.24	33,419.87	0.24
		60,000.00	0.40	133,200.00	1.00
		0.00	0.00	3,300.00	0.60
		7,966.67	0.18	37,483.67	0.82
		14,681.70	0.13	33,092.68	0.13
		85,000.00	0.82	193,500.00	0.91
		300.00	0.09	1,800.00	0.18
		21,961.11	0.32	45,204.17	0.68
		28,661.68	0.19	50,963.39	0.19
		5,000.00	0.19	27,500.00	1.00
		0.00	0.00	2,200.00	0.81
		1,766.67	0.08	13,287.17	0.92
		2,505.73	0.08	11,376.82	0.08

300.00 .
 가 1,800.00 .

가 가 85,000.00 , 가
 가 가 21,961.11 45,204.17
 가 가 193,500.00 ,

가 가 5,000.00 , 가 0
 가 가 1,766.67 13,287.17
 가 가 27,500.00 , 가
 2,200.00 .

4-9

10,949.50

(34,300.00) ,

(15,030.00) , (12,769.57) , (11,400.00) .

가가 (80,000.00) , 가

가 (20,000.00) .

50,983.00 , 가

(128,010.00) , (54,966.67) (54,000.00

) (52,574.07) . 가가

(514,000.00) , 가

(20,000.00) .

18,050.00 30,883.33

가가 220,000.00 , 가 0

가가 110,000.00 , 가

0 .

5,083.33 10,000.00

가가 10,000.00 , 가 0

가가 20,000.00 , 가

0 .

4-9.

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		80,000.00	1.00	534,000.00	1.00
		0.00	0.00	0.00	0.00
		10,949.50	0.35	50,983.00	0.65
		14,906.43	0.39	80,406.47	0.39
		40,000.00	0.33	534,000.00	1.00
		0.00	0.00	20,000.00	0.67
		15,030.00	0.19	128,010.00	0.81
		13,920.73	0.15	166,543.96	0.15
		38,000.00	1.00	380,000.00	1.00
		0.00	0.00	0.00	0.00
		8,774.07	0.38	52,574.07	0.62
		11,822.68	0.43	80,647.23	0.43
		80,000.00	1.00	116,000.00	0.87
		0.00	0.13	0.00	0.00
		34,300.00	0.52	54,000.00	0.48
		34,592.29	0.44	62,695.03	0.44
		21,000.00	1.00	20,000.00	1.00
		0.00	0.00	0.00	0.00
		8,750.00	0.51	10,062.50	0.49
		8,119.64	0.43	9,252.17	0.43
		50,000.00	1.00	220,000.00	1.00
		0.00	0.00	0.00	0.00
		12,769.57	0.40	46,226.09	0.60
		15,140.36	0.43	59,272.20	0.43
		63,000.00	1.00	80,000.00	1.00
		0.00	0.00	0.00	0.00
		11,400.00	0.40	16,500.00	0.60
		16,802.93	0.39	22,592.40	0.39
		20,000.00	1.00	200,000.00	1.00
		0.00	0.00	0.00	0.00
		3,910.00	0.14	54,966.67	0.86
		7,564.49	0.26	51,035.17	0.26
		220,000.00	1.00	110,000.00	1.00
		0.00	0.00	0.00	0.00
		18,050.00	0.33	30,883.33	0.67
		51,071.27	0.39	35,042.63	0.39
		10,000.00	1.00	20,000.00	1.00
		0.00	0.00	0.00	0.00
		5,083.33	0.56	10,000.00	0.44
		4,176.32	0.50	10,954.45	0.50

4 - 10 .

33,083.00 ,

가

(77,010.00), (41,500.00),

(37,388.89) (34,182.61) .

가 가 (330,000.00) , 가

가 (20,000.00) .

10,970.00 ,

(21,000.00),

(19,633.33) (12,500.00) .

가 가 (210,000.00

) , 가 (4,000,00) .

20,000.00 9,216.67

가 70,000.00 , 가 0 .

가 45,000.00 , 가 0 .

10,000.00 0 .

가 20,000.00 , 가 0 .

4-10.

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		330,000.00	1.00	210,000.00	1.00	300,000.00	1.00
		0.00	0.00	0.00	0.00	0.00	0.00
		33,083.00	0.76	10,970.00	0.15	6,930.00	0.09
		52,468.89	0.34	31,694.15	0.24	34,054.99	0.26
		300,000.00	1.00	210,000.00	0.39	300,000.00	0.56
		20,000.00	0.04	0.00	0.00	0.00	0.00
		77,010.00	0.90	21,000.00	0.04	30,000.00	0.06
		87,947.09	0.30	66,407.83	0.12	94,868.33	0.18
		330,000.00	1.00	130,000.00	0.7	92,000.00	1.00
		0.00	0.00	0.00	0.00	0.00	0.00
		37,388.89	0.76	9,185.19	0.08	6,000.00	0.16
		66,970.76	0.38	26,851.50	0.18	19,992.31	0.37
		116,000.00	1.00	50,000.00	0.50	0.00	0.00
		0.00	0.50	0.00	0.00	0.00	0.00
		41,500.00	0.75	12,500.00	0.25	0.00	0.00
		54,975.75	0.35	25,000.00	0.35	0.00	0.00
		20,000.00	1.00	4,000.00	0.29	4,000.00	0.21
		0.00	0.67	0.00	0.00	0.00	0.00
		8,500.00	0.83	1,062.50	0.13	500.00	0.04
		8,315.22	0.16	1,568.38	0.13	1,414.21	0.09
		130,000.00	1.00	150,000.00	1.00	30,000.00	1.00
		0.00	0.00	0.00	0.00	0.00	0.00
		34,182.61	0.77	10,739.13	0.16	1,304.35	0.07
		38,502.94	0.36	32,175.96	0.30	6,255.43	0.26
		50,000.00	1.00	30,000.00	0.38	1,000.00	0.20
		0.00	0.63	0.00	0.00	0.00	0.00
		13,423.08	0.90	3,000.00	0.08	76.92	0.02
		15,654.93	0.14	8,406.35	0.14	277.35	0.06
		90,000.00	1.00	95,000.00	1.00	120,000.00	1.00
		0.00	0.00	0.00	0.00	0.00	0.00
		22,266.67	0.53	19,633.33	0.33	13,066.67	0.14
		26,039.71	0.36	28,853.36	0.29	32,466.19	0.30
		70,000.00	1.00	45,000.00	0.48	30,000.00	1.00
		0.00	0.00	0.00	0.00	0.00	0.00
		20,000.00	0.69	9,216.67	0.24	1,666.67	0.07
		23,406.89	0.25	13,480.19	0.17	7,071.07	0.27
		20,000.00	1.00	0.00	0.00	0.00	0.00
		0.00	1.00	0.00	0.00	0.00	0.00
		10,000.00	1.00	0.00	0.00	0.00	0.00
		10,954.45	0.00	0.00	0.00	0.00	0.00

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4-11	,	,
		67,098.79
		(420,932.88) ,
(122,307.06)	(70,309.93)	.
가 가		(631,749.50) , 가
(83,848.50)	.	
	54,063.42	,
	(169,499.68) ,	(92,224.22
)	(90,525.33)	.
가 가	(947,888.94)	, 가
(21,098.00)	.	
	13,035.37	,
	(251,433.20) ,	(36572.86)
(30,082.84)	.	가 가
(872,581.74)	, 가	(77,381.30) .
		92,422.57 32,841.07 ,
59,581.50	.	179,654.88
34,646.61	,	165,214.97 .
가	715,713.00 , 가	-11,885.40 .
		17,595.18 13,666.75 ,
3,928.43	.	18,387.31
18,092.91	,	7,014.22 .
가	16,033.60 , 가	-2,049.11 .

4-11.

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		776,107.00	949,888.94	586,409.00
		500.00	1,483.00	(722,467.7)
		67,098.79	54,063.42	13,035.37
		106,432.96	117,806.57	119,053.10
		272,427.00	194,103.00	135,551.00
		18,139.00	14,357.00	(1,679.23)
		122,307.06	92,224.22	30,082.8
		84,718.22	60,678.82	42,226.40
		151,179.00	107,551.00	90,479.00
		500.00	1,588.14	(61,898.00)
		41,669.86	31,885.01	9,784.85
		38,194.26	28,982.90	27,399.51
		776,107.00	246,591.00	586,409.00
		144,357.50	104,368.70	39,988.80
		420,932.88	169,499.68	251,433.20
		294,521.8	62,255.57	250,961.37
		115,418.30	33,773.00	81,645.30
		17,400.00	12,675.00	4,264.00
		34,721.66	18,972.75	15,748.91
		33,230.42	8,345.85	26,693.62
		87,524.50	620,171.40	30,397.00
		3,676.00	2,723.00	(558,389.80)
		28,088.42	46,590.65	(18,502.23)
		20,777.35	126,24.63	118,357.00
		217,807.00	95,67.00	122,133.00
		900.00	1,483.00	(583.00)
		70,309.93	33,737.08	36,572.86
		68,212.43	31,968.42	37,313.49
		248,876.00	949,888.94	150,114.00
		4,500.00	2,000.00	(722,467.7)
		59,161.73	90,525.33	(31,363.60)
		78,489.04	248,823.34	202,724.69
		790,965.00	118,873.00	715,713.00
		2,100.00	1,618.50	(11,885.40)
		92,422.57	32,841.07	59,581.50
		179,654.88	34,646.61	165,214.97
		46,860.89	48,910.00	16,033.60
		2,400.00	1,480.00	(2,049.11)
		17,595.18	13,666.75	3,928.43
		18,387.31	18,092.91	7,014.22

4-12

가 , , , , ,

21,113.10 ,

(63,516.75) , (42,405.56)

(21,442.73) . 가가

(98,177.00) , 가 (11,735.00)

.

11,549.40 ,

(85,136.25) (35,468.78) .

가가 (59,720.00

) , 가 (10,000.00) .

, 1,494.76 , 424.73

703.88 .

가 18,034.51 , 가

(239,943.51) (27,228.65) . 가

가가 (899,464.00) , 가

(6,417.00) .

14,482.72 10,868.44 ,

가 5,196.63 . 12,576.57

22,810.42 , 가 12,364.90 .

가가 48,182.00 , 가 920.00 .

7,376.33 3,083.33 ,

가 1,709.75 . 6,952.09

7,522.59 , 가 2,222.49 .

가가 18,312.00 , 가 930.00 .

												가	
		115,548.00	0.98	96,002.00	0.70	18,000.00	0.31	4,500.00	0.07	4,266.00	0.12	899,920.00	0.95
		880.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.00	0.01
		21,113.10	0.61	11,549.40	0.18	1,494.76	0.04	424.73	0.01	703.88	0.02	18,034.51	0.13
		22,954.45	0.22	20,581.77	0.19	2,831.71	0.05	794.96	0.02	1,096.93	0.03	107,455.14	0.15
		101,797.00	0.53	67,720.00	0.63	10,164.00	0.11	1,600.00	0.02	4,266.00	0.04	19,800.00	0.21
		3,620.00	0.25	8,000.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	574.00	0.01
		42,405.56	0.43	35,468.78	0.40	3,014.11	0.04	445.56	0.00	1,418.00	0.01	7,438.89	0.09
		31,466.21	0.09	23,981.64	0.12	3,758.35	0.04	684.97	0.01	1,811.09	0.02	6,200.02	0.06
		93,746.00	0.98	21,000.00	0.70	6,089.00	0.12	2,420.00	0.07	2,900.00	0.09	8,000.00	0.28
		1,138.14	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	275.00	0.01
		21,442.73	0.65	6,275.88	0.17	756.67	0.03	406.67	0.01	443.70	0.01	2,371.24	0.11
		24,088.91	0.21	7,316.87	0.19	1,708.11	0.04	763.79	0.02	861.86	0.02	2,003.40	0.08
		115,548.00	0.47	96,002.00	0.70	18,000.00	0.07	4,500.00	0.02	2,700.00	0.01	10,260.00	0.05
		30,692.00	0.26	66,143.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	3,843.00	0.02
		63,516.75	0.35	85,136.25	0.54	6,062.50	0.03	1,125.00	0.00	675.00	0.00	6,204.18	0.04
		39,408.90	0.09	13,734.58	0.16	8,486.20	0.03	2,250.00	0.01	1,350.00	0.01	2,845.35	0.02
		16,150.00	0.85	10,000.00	0.39	4,728.00	0.16	1,200.00	0.04	3,600.00	0.12	9,540.00	0.31
		4,415.00	0.30	0.00	0.00	0.00	0.00	2.00	0.00	300.00	0.01	700.00	0.06
		10,205.13	0.56	3,256.25	0.18	1,348.00	0.07	172.75	0.01	1,050.00	0.05	2,940.63	0.13
		4,658.01	0.24	3,858.70	0.19	1,695.76	0.08	416.22	0.01	1,094.14	0.04	2,981.72	0.08
		60,917.33	0.96	30,445.00	0.51	5,590.00	0.13	1,250.00	0.04	1,150.00	0.06	583,333.00	0.94
		2,150.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	300.00	0.04
		14,005.14	0.68	3,703.70	0.09	761.33	0.04	169.65	0.01	200.48	0.01	27,228.65	0.16
		12,793.18	0.25	7,711.75	0.17	1,314.51	0.04	367.45	0.01	365.45	0.02	121,237.71	0.20
		50,002.00	0.81	28,000.00	0.33	9,500.00	0.31	1,600.00	0.06	2,400.00	0.08	7,000.00	0.38
		880.00	0.40	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	125.00	0.04
		18,915.4	0.64	7,350.00	0.13	2,436.92	0.07	614.62	0.02	1,088.4	0.03	2,608.54	0.10
		15,228.52	0.14	11,285.24	0.13	3,147.91	0.09	669.86	0.02	1,088.17	0.03	2,360.18	0.09
		52,122.00	0.94	24,000.00	0.34	6,400.00	0.10	3,210.00	0.07	4,000.00	0.12	899,920.00	0.95
		1,350.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	456.00	0.03
		14,625.18	0.58	6,469.29	0.13	1,050.36	0.03	632.86	0.01	955.00	0.02	66,278.37	0.22
		14,847.17	0.24	9,329.00	0.13	1,962.13	0.04	983.33	0.02	1,316.25	0.03	239,943.51	0.24
		48,182.00	0.92	94,682.00	0.80	4,350.90	0.11	2,506.00	0.04	2,280.00	0.07	54,000.00	0.72
		920.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.02
		14,482.72	0.58	10,868.44	0.21	636.16	0.01	460.67	0.01	395.33	0.01	5,196.63	0.15
		12,576.57	0.24	22,810.42	0.24	1,380.02	0.03	784.23	0.01	759.90	0.02	12,364.90	0.17
		18,312.00	0.89	18,500.00	0.38	4,692.00	0.10	140.00	0.04	400.00	0.03	6,156.00	0.30
		930.00	0.37	0.00	0.00	20.00	0.01	0.00	0.00	0.00	0.00	152.50	0.09
		7,376.33	0.69	3,083.33	0.06	1,121.50	0.05	38.33	0.01	129.17	0.01	1,709.75	0.17
		6,952.09	0.18	7,552.59	0.15	1,806.66	0.03	53.07	0.02	194.7	0.01	2,222.49	0.10

4-13

, , . , , 3% ,
 (41%) (33%) . (49%),
 가 가 (978%) , 가 (48%)

229% ,
 (611%) (289%) .
 가 가 (3,050%) , 가
 (191%) .

151% ,
 (209%) (206%) .
 가 가 (1,646%) , 가
 (91%) .

1.66 ,
 (3.66) (0.61) .
 가 가 (19.41) , 가
 (1.45) .

42% 2.58 ,
 34% 2.67 .
 가 90% , 가 -21% .
 344% 120% , 499%
 115% .

22% 1.13 ,
 30% 0.52 .
 가 55% , 가 -24% .
 2% 154% , 2% 79% .

4-13.

(:)

				()	
		0.76	31.50	19.80	16.67
		(9.04)	0.00	0.00	0.00
		0.03	2.29	1.66	1.51
		1.28	4.44	2.35	2.61
		0.50	2.00	1.62	2.47
		(0.01)	0.09	0.00	0.32
		0.22	1.04	1.08	1.02
		0.18	0.75	0.50	0.68
		0.66	9.80	6.53	16.67
		(4.81)	0.00	0.19	0.21
		(0.24)	1.73	1.37	2.09
		1.42	2.97	1.25	3.93
		0.76	3.02	6.78	0.91
		0.28	0.88	1.53	0.00
		0.49	1.72	3.66	0.47
		0.21	1.15	2.22	0.42
		0.71	2.40	1.92	1.26
		0.19	0.48	0.47	0.31
		0.33	1.02	1.19	0.62
		0.17	0.65	0.47	0.39
		0.75	8.34	11.23	11.33
		(9.04)	0.00	0.23	0.00
		(0.21)	1.14	1.56	2.06
		1.96	2.15	2.25	3.05
		0.65	31.50	19.80	1.37
		(0.65)	1.00	0.39	0.00
		0.41	6.11	2.90	0.61
		0.34	8.78	5.11	0.50
		0.70	10.77	4.91	3.90
		(3.18)	0.33	0.00	0.04
		0.15	2.89	1.39	1.50
		0.99	3.99	1.17	1.24
		0.90	16.00	9.83	3.49
		(0.21)	0.26	0.39	0.00
		0.42	3.44	2.58	1.20
		0.34	4.99	2.67	1.15
		0.55	0.03	2.14	2.71
		(0.24)	0.00	0.68	0.62
		0.22	0.02	1.13	1.54
		0.30	0.02	0.52	0.79

) 가 가
 4-14 가 ,
 , 가
 93,326.94 , 가 가
 (450,938.00) (174,032.20
) (165187.50) 가
 가 가 (1,156,811.00) , 가
 (83,847.00) .
 가 8,502.49 ,
 가 가
 (13,604.09) (10,700.00) . 가
 가 가 (214,000.00) , 가
 (5,000.00) .

4-14.

가

(:)

		1,160,411.00	214,000.00
		2,000.00	0.00
		93,326.94	8,502.49
		172,687.16	32,525.60
		387,430.00	22,000.00
		72,744.00	0.00
		174,032.20	4,400.00
		123,349.85	9,838.70
		218,800.00	174,000.00
		3,000.00	0.00
		52,248.33	8,192.59
		53,317.41	33,441.88
		776,107.00	30,090.00
		144,358.00	0.00
		450,938.00	7,522.50
		316,871.80	15,045.00
		145,097.00	5,000.00
		17,400.00	0.00
		38,431.50	625.00
		43,573.41	1,767.7
		87,523.00	214,000.00
		3,676.00	0.00
		34,105.04	13,604.09
		26,073.52	47,443.40
		377,803.00	135,000.00
		2,000.00	0.00
		94,181.62	10,700.00
		120,529.80	37,362.15
		1,160,411.00	42,000.00
		3,600.00	0.00
		165,187.50	5,289.43
		321,341.52	11,689.02
		223,399.00	30,000.00
		2,500.00	0.00
		53,198.70	6,702.20
		58,881.95	10,125.99
		28,933.00	50.00
		2,400.00	0.00
		11,688.60	10.00
		12,780.94	22.36

4-15 가 , 가
 , , . 가
 41,254.43 , 가
 가 (169,410.50),
 (107,287.00) (80,360.00) . 가
 가가 (546,305.00) ,가
 (25,258.00) .
 가 2,541.72 ,
 가 가
 (7,088.75), (4,615.38) (3,969.55) .
 가 가가 (64,200.00)
 ,가 (795.00)
 0 .
 가 16,123.26 , 가 가
 가 (31,334.00),
 (29,837.00), (20,133.37) . 가
 가가 (46,700.00) , 가가
 (12,531.00) .
 25,592.93 811.13 ,
 37,719.88 1,576.55 .
 가 129,497.00 .
 6,262.20 0 ,
 6,346.60 . 가 13,213.00

4-15.

가

(:)

		547,305.00	64,200.00	46,700.00
		0.00	0.00	0.00
		41,254.43	2,541.72	16,123.26
		71,861.51	11,286.34	12,841.96
		162,848.00	795.00	36,000.00
		36,571.00	0.00	23,469.00
		107,287.00	159.00	29,837.00
		48,562.32	355.53	6,031.4
		129,963.00	59,900.00	39,700.00
		1,588.14	0.00	0.00
		30,083.42	2,218.52	20,133.37
		30,240.62	11,527.76	12,630.16
		247,121.00	20,355.00	36,000.00
		97,335.00	0.00	17,862.00
		169,410.50	7,088.75	31,334.00
		67,663.93	9,614.65	8,984.76
		33,973.00	0.00	14,500.00
		8,715.00	0.00	0.00
		16,782.75	0.00	6,371.25
		8,016.7	0.00	5,154.81
		65,800.00	64,200.00	24,400.00
		0.00	0.00	0.00
		15,128.61	3,969.55	10,637.7
		15,598.55	14,319.96	8,295.42
		547,305.00	60,000.00	46,700.00
		1,000.00	0.00	0.00
		80,360.00	4,615.38	19,346.15
		150,108.65	16,641.01	15,551.94
		136,520.00	0.00	34,700.00
		0.00	0.00	0.00
		21,325.79	0.00	10,345.71
		35,175.09	0.00	11,696.27
		129,497.00	3,996.00	24,640.00
		0.00	0.00	0.00
		25,592.93	811.13	12,556.00
		37,719.88	1,576.55	9,629.80
		13,213.00	0.00	1,800.00
		930.00	0.00	0.00
		6,262.20	0.00	980.00
		6,346.60	0.00	901.11

3)

가)

4-16

4-16

4.00

가 (4.96) , 가가 (3.67) .
 가 4.97 ,가 1.08 .
 가가 (2.25) , 가가
 (0.00) .
 4.14 , (5.00) .
 , 가 (3.50) .
 , 1.73 . 가 7.00 ,
 가 2.00 .

4-16.

(: ,)

		4.97	0.00	4.97	4.96
		1.08	0.00	1.08	4.96
		4.00	-	3.67	4.96
		1.94	-	2.25	0.00
		7.00	0.00	7.00	5.00
		2.00	0.00	4.00	2.00
		4.14	-	5.00	3.50
		1.77	-	1.73	1.73

)

4-17

18.29ha ,
 (30.50ha) . 가가 (5.77ha) ,
 가가 (16.74ha) .

70,750,000.00 97,934,289.19 .

24.08 ,
 (37.80) . 가가 (17.67) ,
 가가 (42.31) .

51.92 (100.0%) .

4-17.

(: ha, ,)

		51.00	140,000,000.00	108.00	211.00	211.00	100.0%	0.00	0.0%	0.00	0.0%
		5.00	1,500,000.00	4.00	1.00	1.00	100.0%	0.00	0.0%	0.00	0.0%
		18.29	70,750,000.00	24.08	51.92	51.92	100.0%	-	0.0%	-	0.0%
		13.49	97,934,289.19	30.50	72.02	72.02	100.0%	-	0.0%	-	0.0%
		20.00	140,000,000.00	51.00	170.00	170.00	100.0%	0.00	0.0%	0.00	0.0%
		7.50	1,500,000.00	4.00	1.00	1.00	100.0%	0.00	0.0%	0.00	0.0%
		14.38	70,750,000.00	17.50	56.25	56.25	100.0%	-	0.0%	-	0.0%
		6.57	97,934,289.19	22.40	76.82	76.82	100.0%	-	0.0%	-	0.0%
		15.00	-	40.00	39.00	39.00	100.0%	0.00	0.0%	0.00	0.0%
		5.00	-	4.00	1.00	1.00	100.0%	0.00	0.0%	0.00	0.0%
		10.00	-	13.50	10.50	10.50	100.0%	-	0.0%	-	0.0%
		5.77	-	17.67	19.00	19.00	100.0%	-	0.0%	-	0.0%
		51.00	-	108.00	211.00	211.00	100.0%	0.00	0.0%	0.00	0.0%
		10.00	-	5.00	10.00	10.00	100.0%	0.00	0.0%	0.00	0.0%
		30.50	-	37.80	89.00	89.00	100.0%	-	0.0%	-	0.0%
		16.74	-	42.31	92.80	92.80	100.0%	-	0.0%	-	0.0%

4-18

8 (44.4%), 2 (11.1%), 2 (11.1%), 6
 (33.3%), 0 (0.0%) . (75.0%),
 (50.0%) (20.0%) .
 (20.0%) 100%

4-18. (:)

	18	8	44.4%	2	11.1%	2	11.1%	6	33.3%	0	0.0%
	4	3	75.0%	0	0.0%	0	0.0%	1	25.0%	0	0.0%
	4	0	0.0%	0	0.0%	0	0.0%	4	100.0%	0	0.0%
	10	5	50.0%	2	20.0%	2	20.0%	1	10.0%	0	0.0%

)

4 - 19

4-19.

(:)

		55,000.00	1.00	325,000.00	1.00
		0.00	0.00	0.00	0.00
		10,661.54	0.38	44,176.92	0.62
		15,631.89	0.42	88,300.95	0.42
		10,000.00	1.00	325,000.00	1.00
		1,000.00	0.00	0.00	0.00
		3,750.00	0.52	92,500.00	0.48
		4,272.00	0.56	156,444.88	0.56
		55,000.00	1.00	70,000.00	0.78
		20,000.00	0.22	0.00	0.00
		28,750.00	0.49	40,000.00	0.51
		17,500.00	0.37	35,590.26	0.37
		8,600.00	0.57	32,000.00	1.00
		0.00	0.00	0.00	0.43
		1,720.00	0.14	8,860.00	0.86
		3,846.04	0.28	13,162.37	0.28

10,661.54

(28,750.00) ,

가

(1,720.00) .

가가

(17,500.00)

, 가가

(3,846.04) .

44,176.92

(92,500.00) ,

가

(8,860.00) .

가가

(156,444.88) ,

가가

(13,162.37) .

62% .

4-20

17,461.54
(43,500.00)

가 가 (29,137.60) , 가 가 (0.00)

4-20. (:)

		60,000.00	1.00	0.00	0.00
		0.00	1.00	0.00	0.00
		17,461.54	1.00	0.00	0.00
		26,155.35	0.00	0.00	0.00
		0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00
		0.00	-	0.00	-
		0.00	-	0.00	-
		60,000.00	1.00	0.00	0.00
		0.00	1.00	0.00	0.00
		43,500.00	1.00	0.00	0.00
		29,137.60	0.00	0.00	0.00
		45,000.00	1.00	0.00	0.00
		0.00	1.00	0.00	0.00
		10,600.00	1.00	0.00	0.00
		19,333.91	0.00	0.00	0.00

)

4-21

80,704.49 ,
 (235,475.00) , 가 (0.00
) . 가 가 (147,788.53)
 , 가 (0.00) .
 62,162.62 ,
 (182,054.25) .
 가 가 (88,586.63) , 가 (0.00
) .
 18,541.87 ,
 (53,420.75) . 가 가
 (72,878.87) , 가 가
 (0.00) .

4-21.

(:)

		426,000.00	263,700.00	162,300.00
		0.00	0.00	(8,800.00)
		80,704.49	62,162.62	18,541.87
		131,799.72	95,066.38	44,552.16
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		0.00	0.00	0.00
		426,000.00	263,700.00	162,300.00
		72,800.00	64,837.00	7,963.00
		235,475.00	182,054.25	53,420.75
		147,788.53	88,586.63	72,878.87
		72,925.40	47,697.10	25,228.30
		2,000.00	5,500.00	(8,800.00)
		21,451.68	15,979.42	5,472.26
		29,608.61	17,968.16	14,047.52

4-23

, , .
 , , .
 , .
 -26% ,
 17%, -60% .
 가가 (136%) ,가 (14%) .
 20% ,
 (35%) . 가가
 (11%) ,가 (2%) .
 67% ,
 (133%) . 가가
 (150%) ,가 (0.00%) .
 3.50 ,
 (4.68) , (4.37) .
 가가 (4.91) ,가 (0.00) .

4-23.

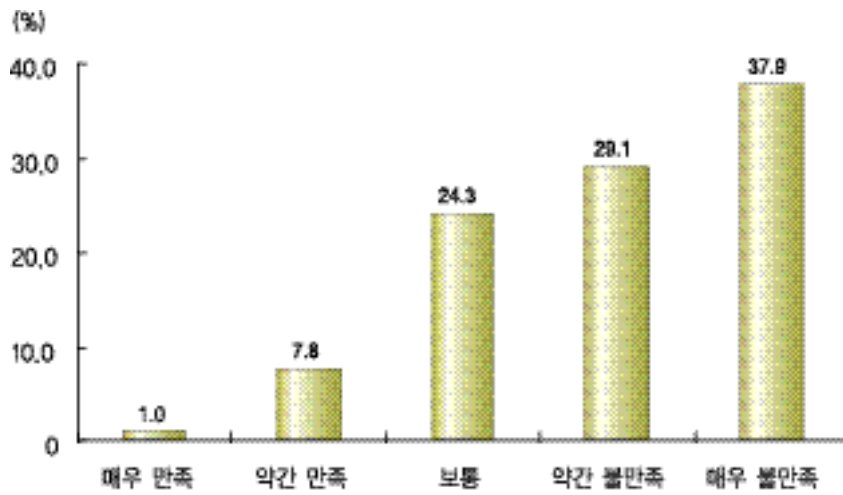
(:)

				()	
		0.73	0.37	11.22	2.98
		(2.20)	0.00	0.00	0.00
		(0.26)	0.20	3.50	0.67
		1.05	0.17	4.19	1.01
		0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00
		-	-	0.00	0.00
		-	-	0.00	0.00
		0.38	0.37	9.36	1.35
		0.08	0.33	1.04	0.00
		0.17	0.35	4.68	0.67
		0.14	0.02	4.25	0.55
		0.73	0.19	11.22	2.98
		(2.20)	0.00	0.63	0.00
		(0.60)	0.06	4.37	1.33
		1.36	0.11	4.91	1.50

1)

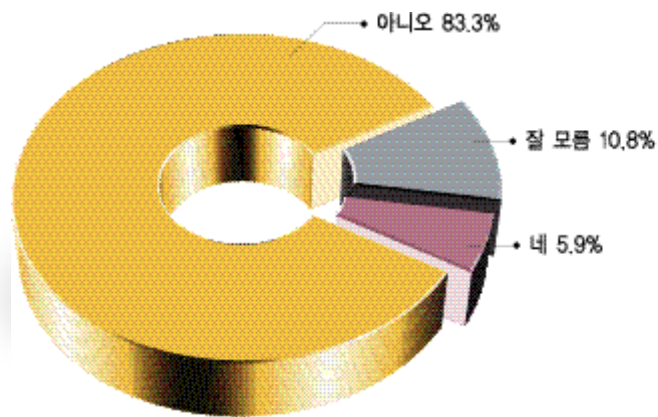
가)

가 37.9% 가 , “ ” 29.1% “ ” 24.3% .
 “ ” “ ” 7.8%, 1.0% 8.8%



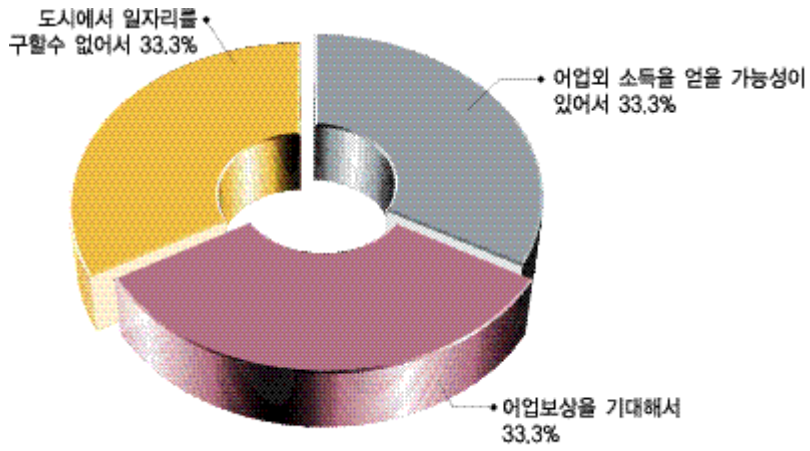
4-1.

가 , 20 ~ 40 가 가
 83.3%가 , 가
 5.9% .



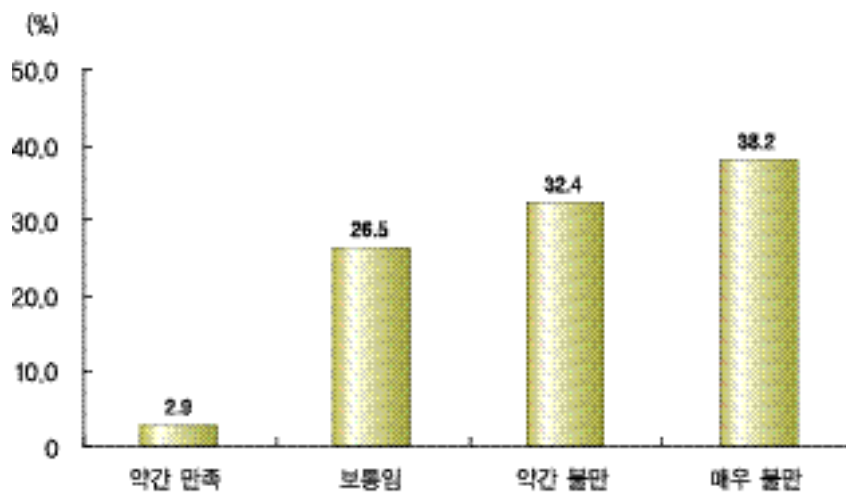
4-2. 가

가 , “ ” “ 가 ” “
 가 33.3%



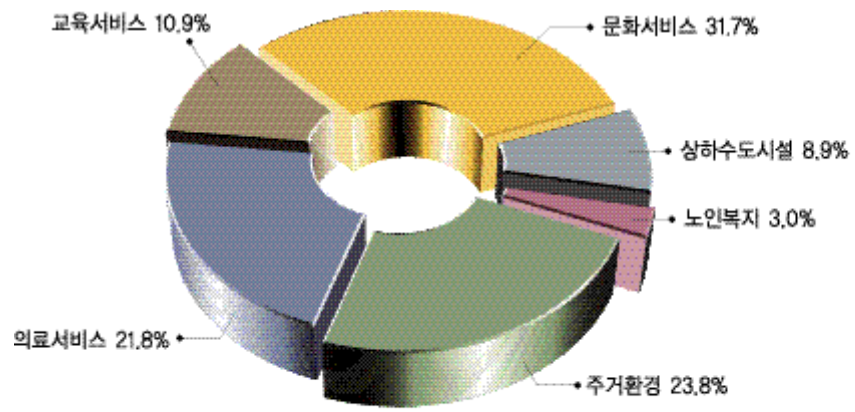
4-3. 가

가 , . 가
 “ ” “ ” 70.6%
 “ 가
 26.5% 2.9%



4-4.

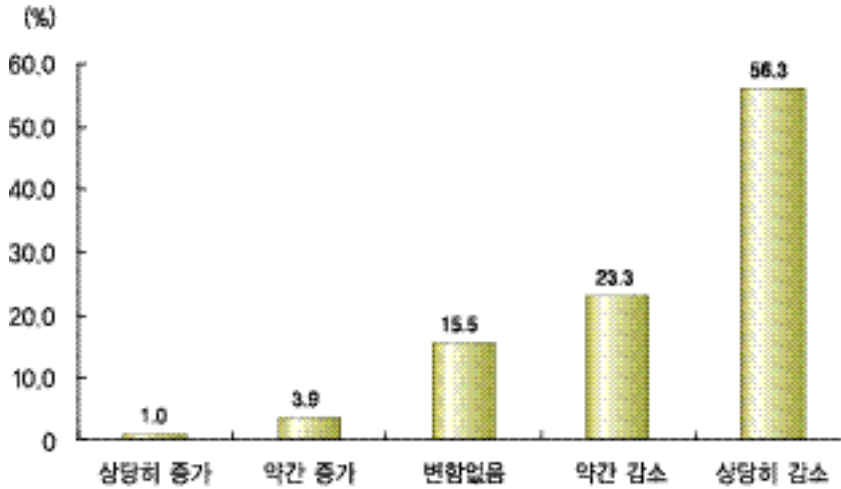
가
 ” 31.7% , “ ” “ ” “ ”
 23.8%, 21.8% . “ ” “ ”
 10.9%, 8.9% . “ ” 가



4-5.

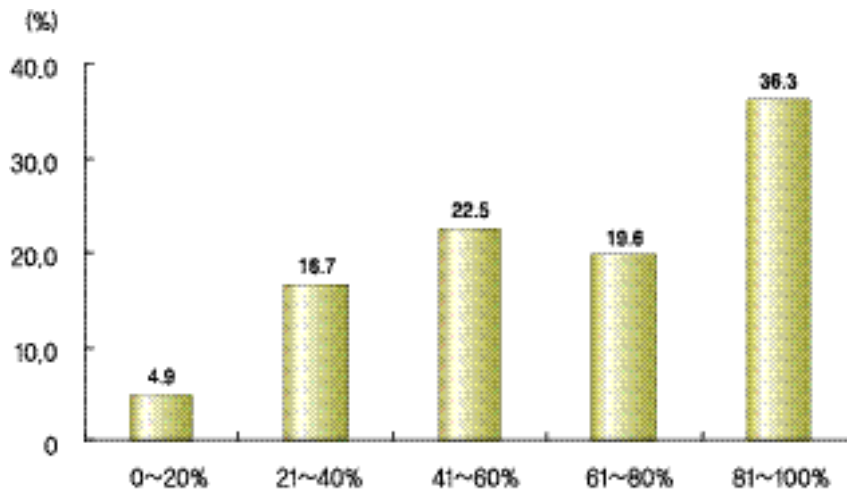
)

5 가 , “ 가 56.3% 가 “ 가 23.3% , “ 79.6%가 가 4.9%

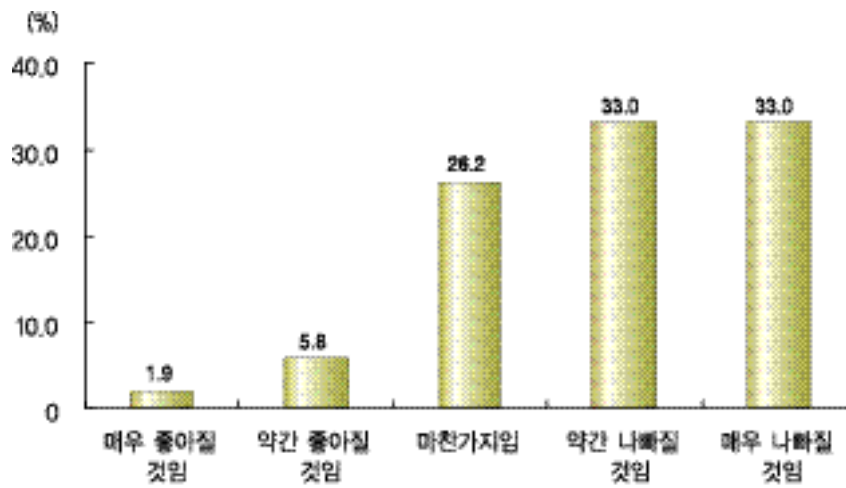


4-6. 5

“ 61~80% ” 19.6% , 36.3%가 “ 81~100% ” 58.8% .
 “ 41~60% ” 22.5%, “ 21~40% ” 16.7%

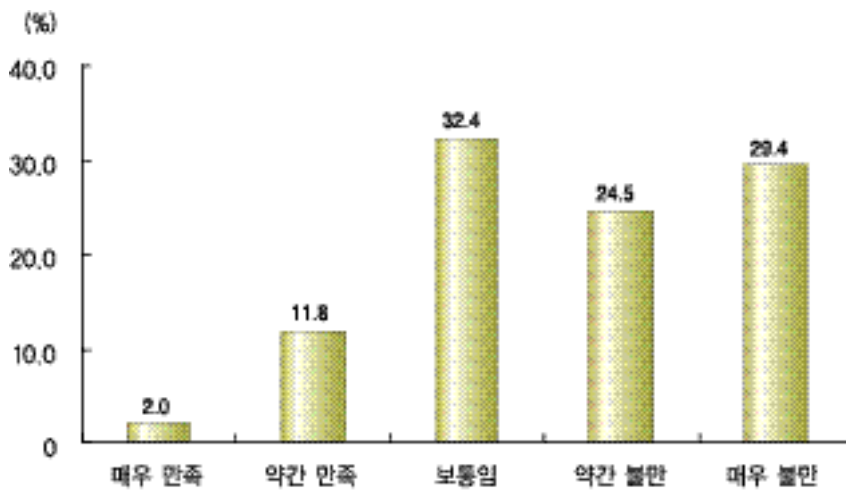


4-7.



4-9. 5

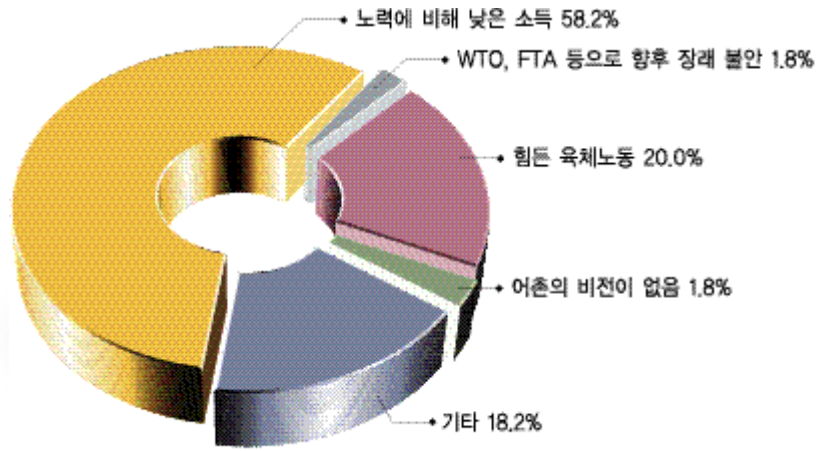
“ ” , 32.4%가
 “ ” , 13.8%가 , 53.9% ,



4-10.

“ ” , 58.2%가 “ ”
 “ ” , 20.0% , 3D

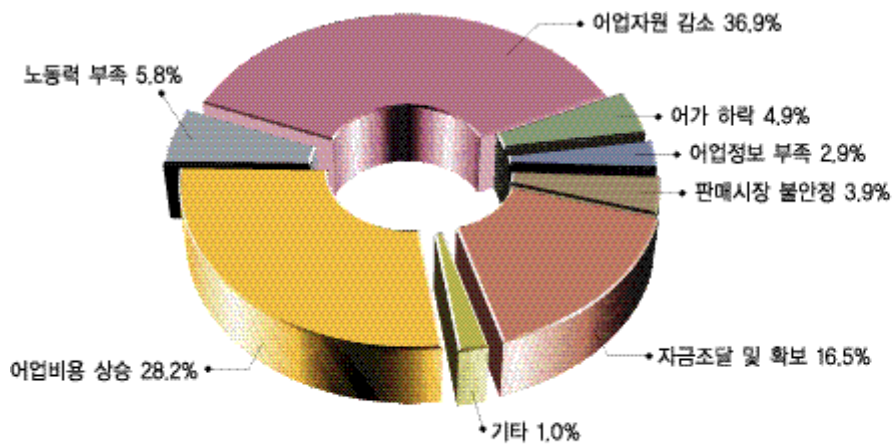
가 ” 1.8% “ ” “WTO, FTA



4-11.

3 , “ ” 28.2% . 36.9%가 “ ” 가 ,

“ ”가 16.5% , “ ” “ 가 ” 5.8% 4.9%



4-12. (3)

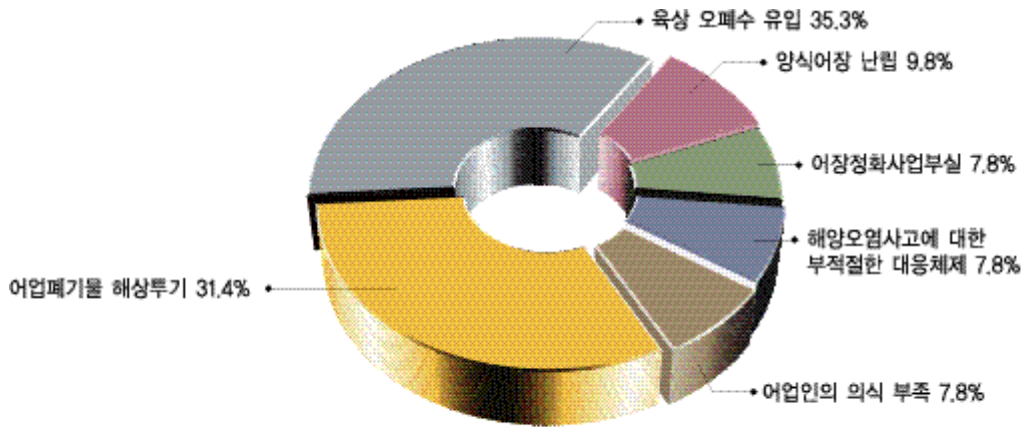
)

가 35.3%가

가 31.4%

가 8.1%

가



4-13.

가 34.3%가

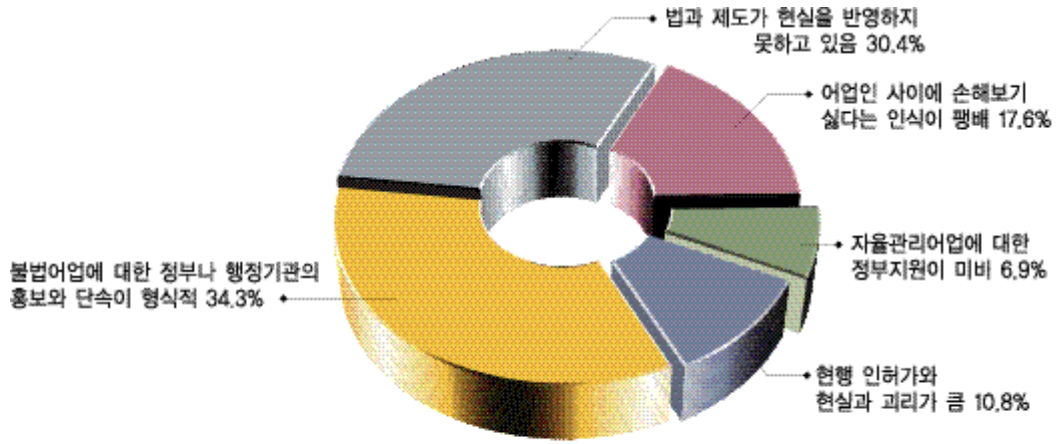
가 30.4%

가 64%

가 17.6%

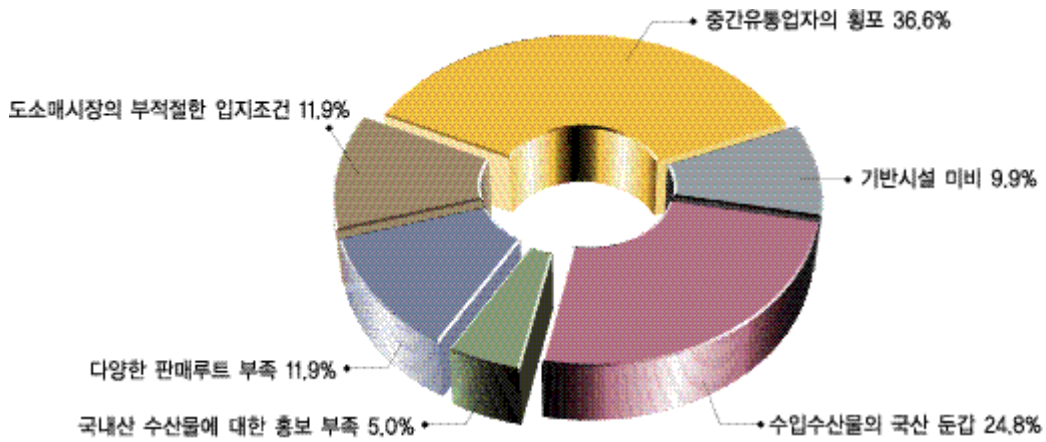
가 10.8%

가 6.9%



4-14.

가 가
 가
 가 “ ” 36.6% 가
 ” 24.8%
 ” 11.9% “ ” 9.9%



4-15.

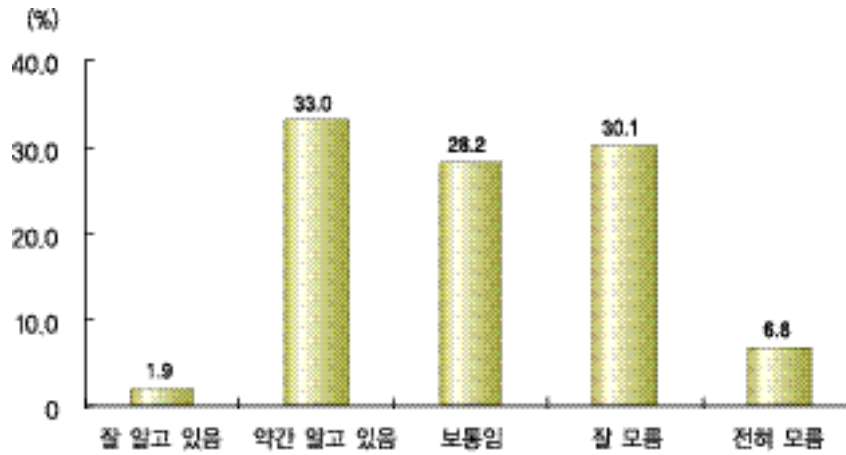
가 가 ,

(WTO, WTO)

WTO (,)

가

“ 가 33.0%, “ ” 1.9%
 34.9% “ ” “ ” 30.1%
 6.8% 36.9%



4-16. WTO ()

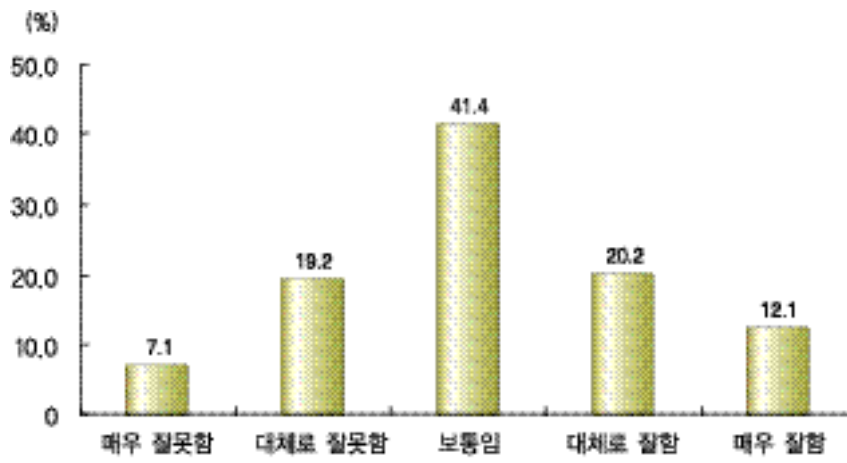
)

가

가

가

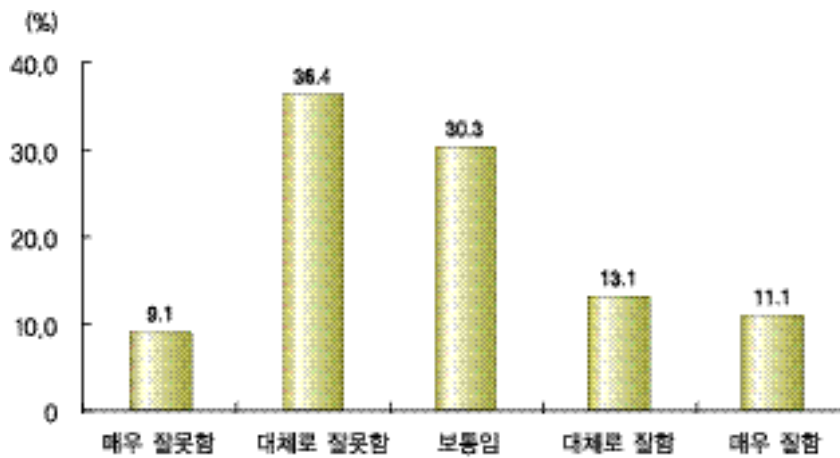
가 “ ” 가
 41.4% 가 . “ ” 가
 12.1% 32.3% , “ ” “ ” 20.2%, “ ”
 26.3% 가 가 19.2%, 7.1%



4-17.

가

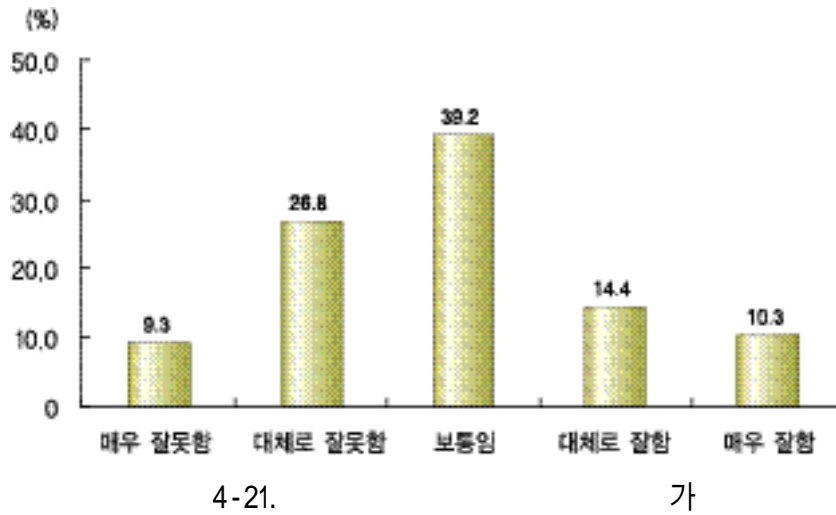
“ ” 가 36.4% 가 “ ” 가
 9.1% , 가 45.5% . “ ” 가 30.3% , “ ”
 “ ” 13.1%, 11.1% 24.2% .
 45.5%가 가 ,
 가 24.2%



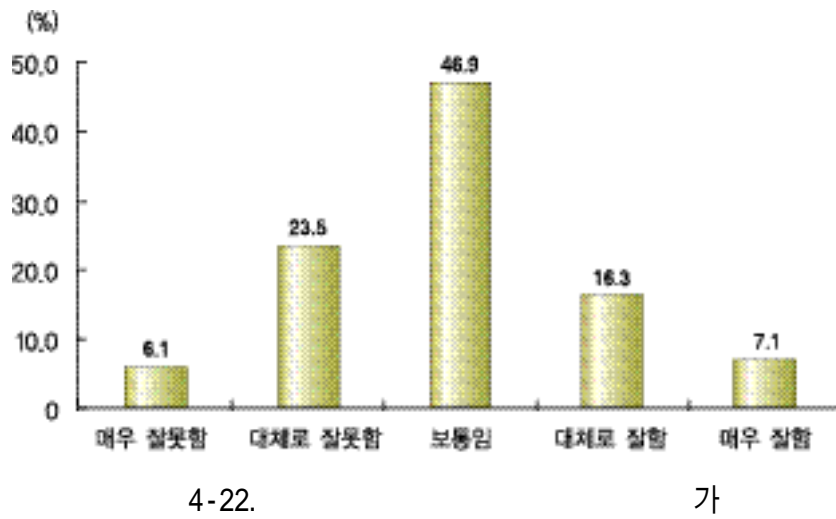
4-18.

가

“ 가 39.2% 가
 가 36.1% , 가 24.7%



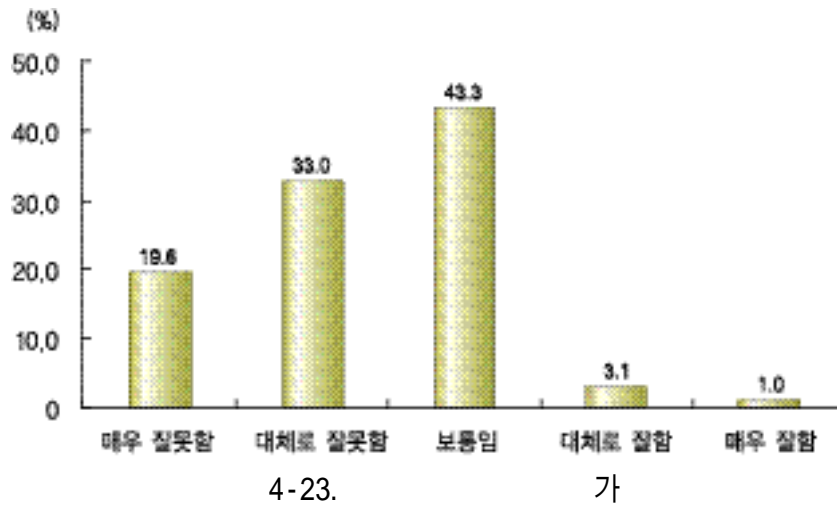
가 23.4% , 가 46.9%가 “ ” 가
 가 29.6% 가



가 19.6% , 가 52.6% 가 43.3% “ ”
 가 33.0% “ ”

가

가

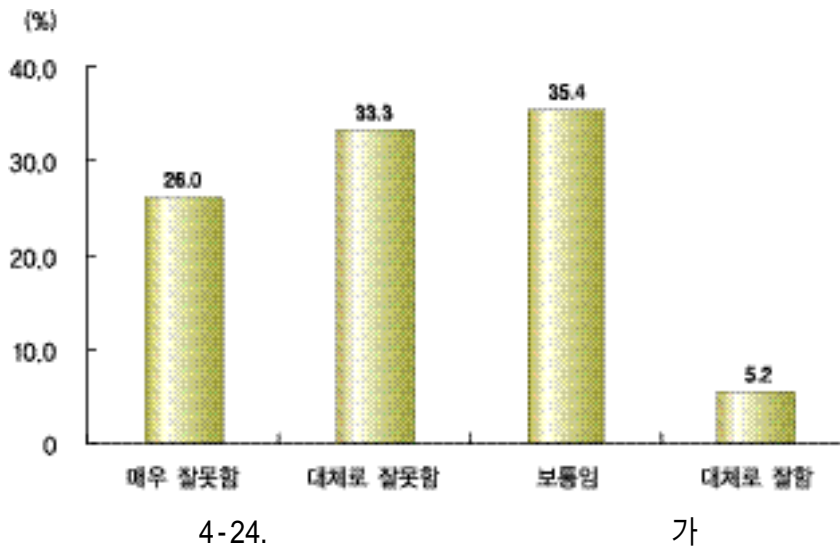


WTO

FTA

가

59.3% “ 가 ”
 35.4% “ 가 ”
 33.3% “ 가 ”
 26.0% “ 가 ”
 4.1% “ 가 ”

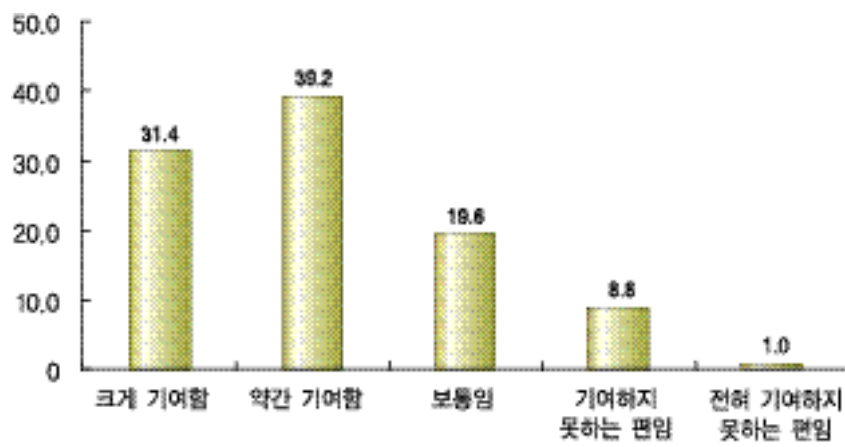


2)

가 , , 가

가)

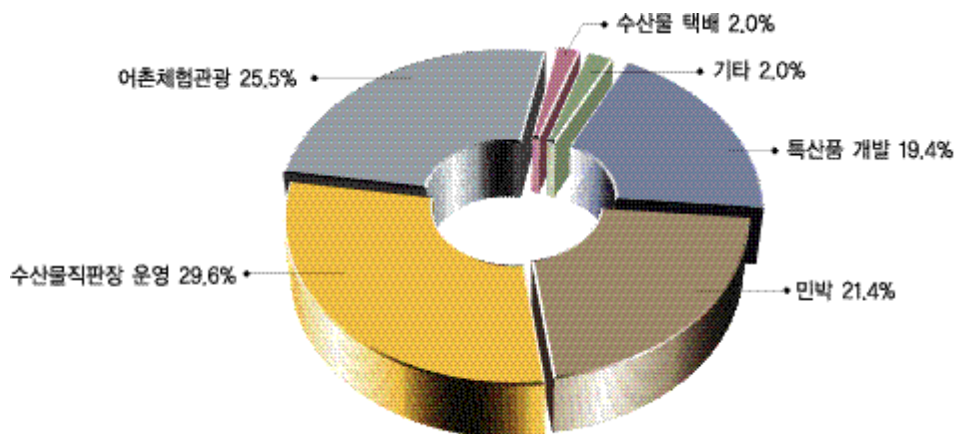
39.2% “ ”, 31.4% “ ”, 70.6%



4-28.

가

, 가 29.6% “ ”, 25.5% “ ”, “ ” “ ” 21.4%, 19.4%

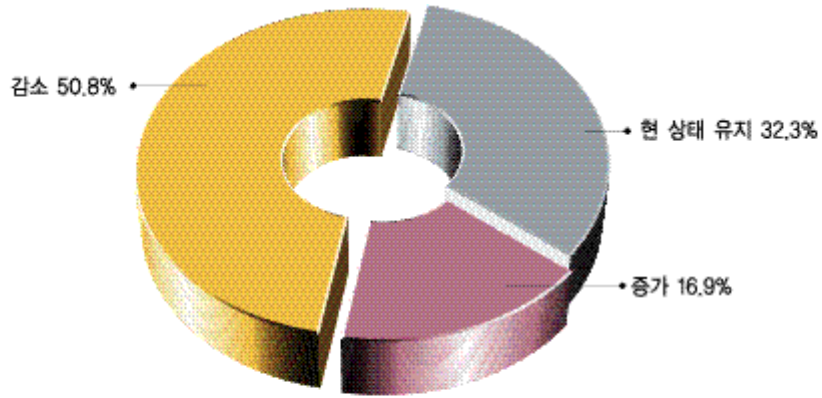


4-29. 가

) 가

가

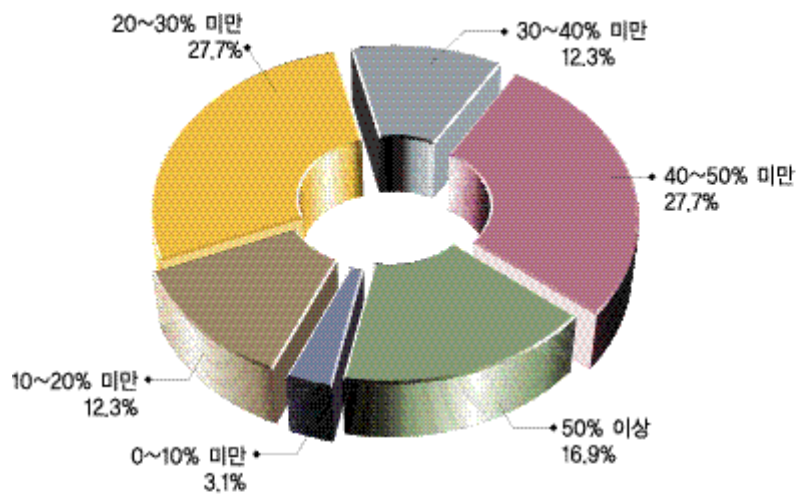
, 50.8% “ ”, 32.3% “
 ” “ 가 ” 16.9%



4-30.

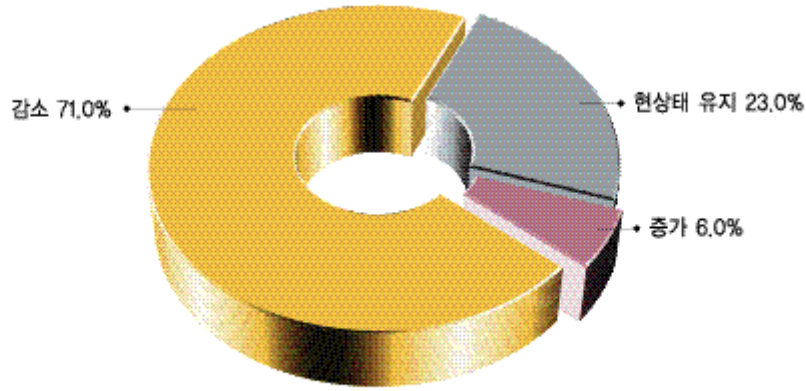
가

“ 20~30% ” “ 40~50% ” 27.7% “ 50%
 ” 16.9% . “ 30~40% ”, “ 10~20%
 ” 12.3% , “ 0~10% ” 3.1% .
 “ 20~30% ” “ 40~50% ”



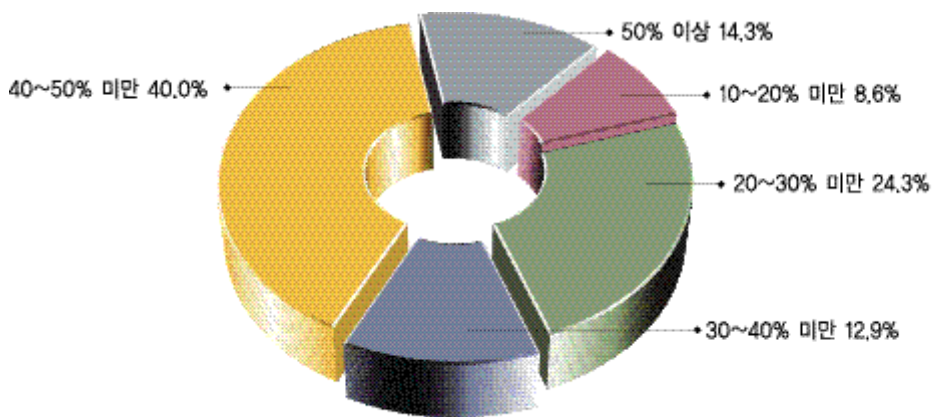
4-31.

가
 가가 가 ,
 가 71.0% “ ” ,
 가 “ ” “ ”
 ” “ 가 ” 23.0%, 6.0%



4-32. 가

가
 , 가 40.0% “ 40~50% ”
 , “ 20~30% ” 24.3% . “ 50% ” 14.3% “ 30~40% ”
 12.9%, “ 10~20% ” 8.6%

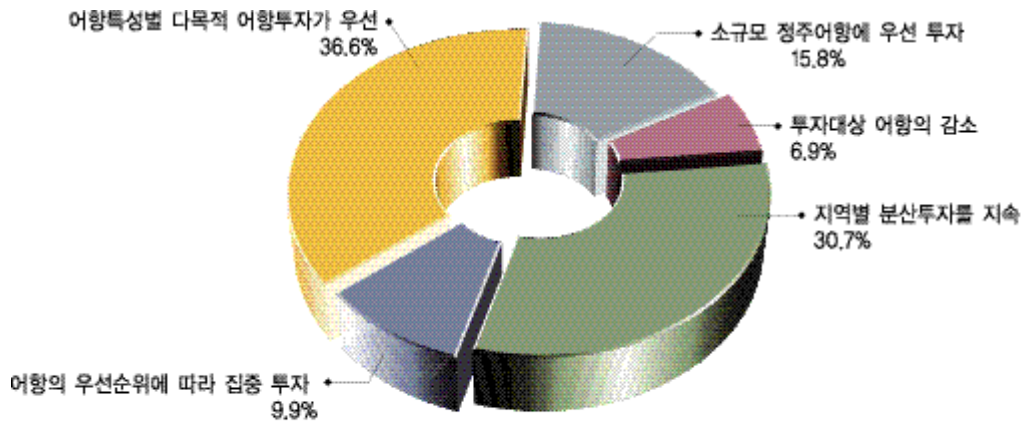


4-33. 가

가
 가 , “ 40~50% ” 가
 가가 .

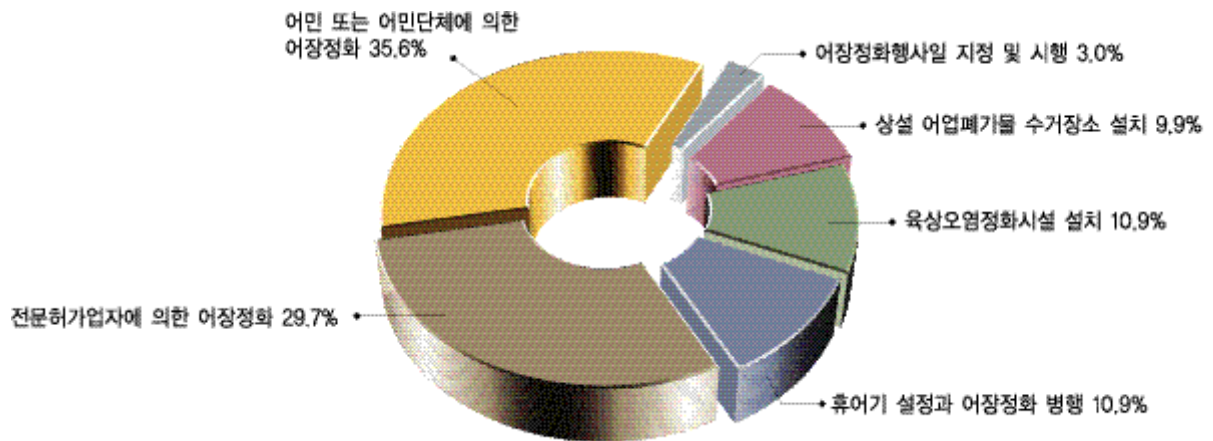
)

가 36.6% , “ 30.7% , “ 15.8% , “ 9.9% ”



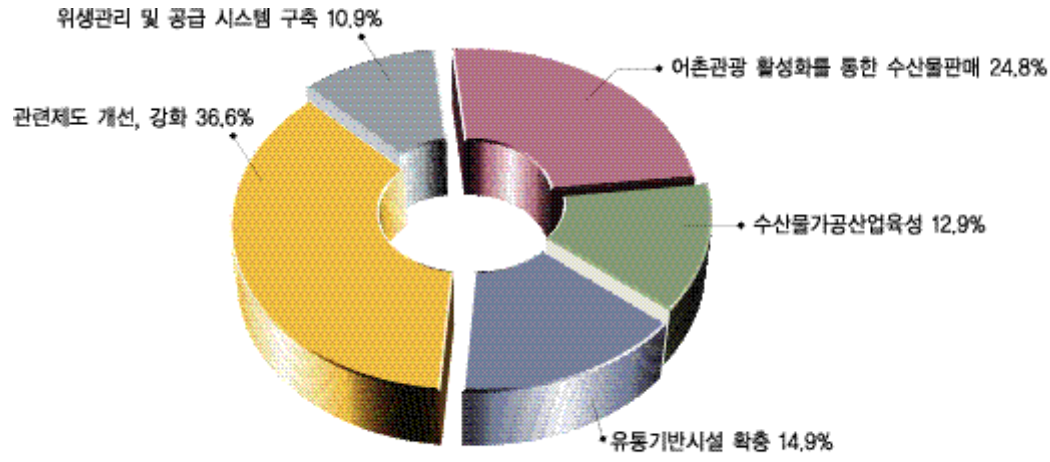
4-34.

가 35.6% 가 “ 가 ” 29.7% 가 , “ 가 ” 10.9% . ” 9.9% .



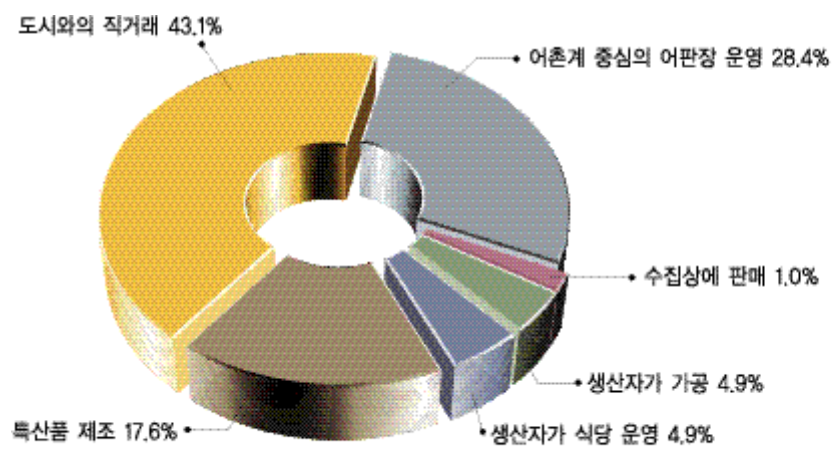
4-35.

가가 . 가
 36.6% “ , ” 24.8% “
 , “ ” “ 가 ; “
 ” 14.9%, 12.9%, 10.9%



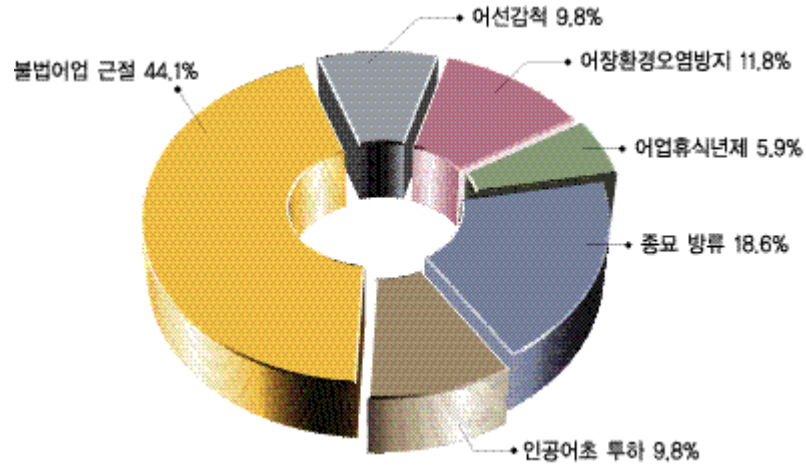
4-36. 가가 ()

가가
 가 43.1%가 “ ” ,
 가 가
 “ ” 28.4% ,
 가 “ ” “ 가가 ;
 “ 가 ” 17.6% 4.9%



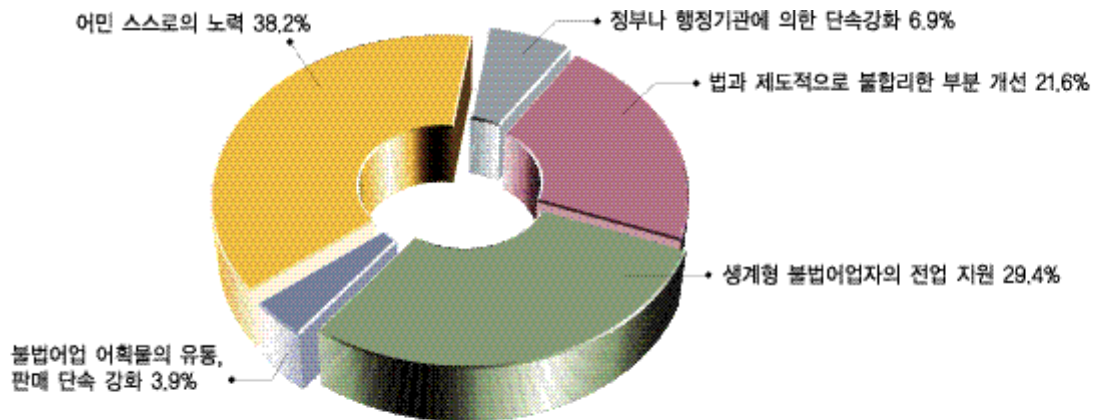
4-37. 가가 ()

가 44.1% “ ” 18.6%
 “ ” 11.8%, “ ” 9.8%



4-38.

가 38.2%가 “ ” 29.4%, “ ” 21.6%
 가 “ ” 6.9% 3.9%



4-39.

)

가

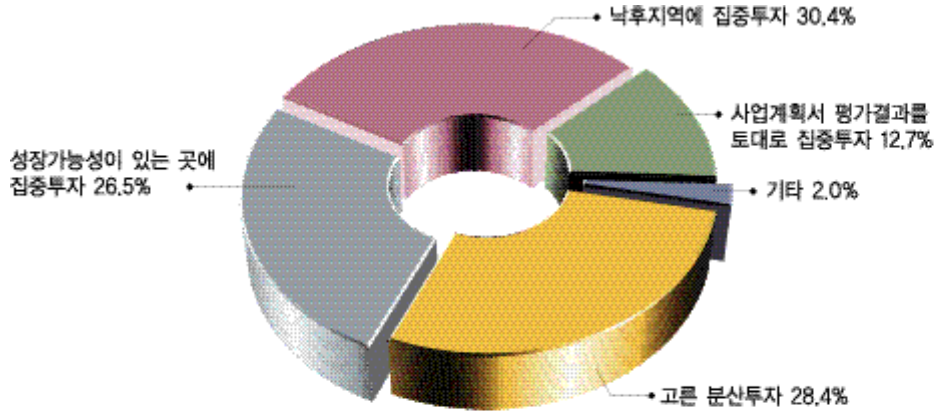
가

가 ,

가

가 30.4%가

” 가



4-41.

“

”가 28.4%, “ 가

”가 26.5% ,

가

가

“

” 20.0% 가

“

”

“ ”

16.5% 16%

“

” 14.5%

11

“

”

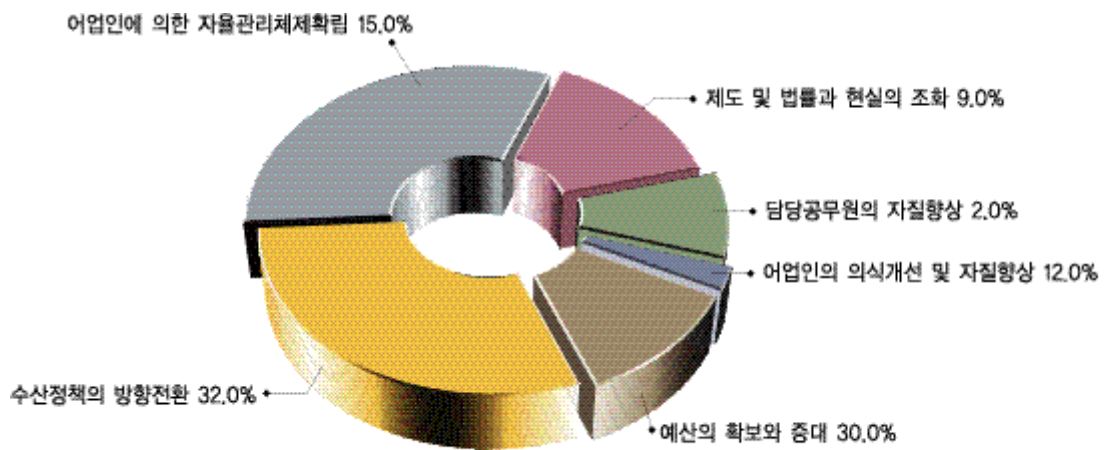
1.0%

가

4-24.

		(%)
	40	20.0
	29	14.5
	32	16.0
	16	8.0
	33	16.5
	14	7.0
	6	3.0
	2	1.0
	17	8.5
가 .	6	3.0
가	5	2.5
	200	100.0

가 32.0%가 “ ” ,
 30.0% “ ” “ ”
 “ ” 15.0%, 12.0%



4-42.

()

	"		"
"	"		
"	"		
	"		
	"		
	"		"
	"		
"	"		"
"	"		"
"	"		"
"	"		"
"	"		"
"	"		"
"	8		"
"	"		
"	"		"
"	"		"
"	"		"
"	8		"

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