‘ w J Þ)z:,Ú «d :jƒ¢(N¾•Ù•», x

Òl[• ‘VrÌÆãd—

Tl Òl[• rÌ•8ŸGc J˜ F¯w‘ š> F

æ¦œ¹/¹ ³•Ÿ³“!Ù•», Òl[• ‘VrÌ¹

¬ ÉÎxÿ lÆs 2018t 569Ü Aæ* 2019 - 11 e 1

} æÇV[Ú—t JÞ)z:,Ú «d :jƒ¢(N¾•

Ù•», Òl[• rÌVÐ É¹¶t‘VrÌd £Ü Òl[

• rÌËGàc Òl[• rÌqAc Òl[³ ™ qA)

ûdµ Ó€V³\d

Ù•æ*: J Þ) z:,Ö,Ú «d

S, :] (%! 0551-62259272

2019 10

..... 3

1 6

1.1 6

1.2 8

1.3 8

2 11

2.1 11

2.2 11

3 13

3.1 13

3.2 15

3.3 15

4 18

4.1 18

4.2 20

4.3 21

4.4 21

5 22

5.1 22

5.2 22

6 26

6.1 26

6.2 26

6.3 27

6.4 27

6.5 27

6.6 27

5

10 / 3

/ 117.76hm^2 116.91hm^2

0.85hm^2 69.97 m^3 14.36 m^3 69.97 m^3

14.36 m^3 2015 10 2019 7 22.95

2014 12 26 2014 1268

2015 9 10 2015 660

2015 1

2015 4 17 2015

432

2019 7

1

117.76hm^2 116.91hm^2

0.85hm^2

2

69.97 m^3 14.36 m^3 69.97 m^3 14.36

m^3

3

14.36 m^3 14.36 m^3 19.99hm^2

11356m 34 4956m 38800m^2

1.60hm^2

7335 3000 18.29hm^2

8.6hm^2

500m 2 3000m^2

4

98.9%

96.5% 1.2 93.2% 93.1%

22.9%

	10 /		
	3 /		2015 10 ~2019 7
			22.95
			117.76hm^2
			18656031269

监测内容				
	1		2	
	3		4	
	5			452/km^2.a
		106.55hm^2		500t/km^2.a
		1837.83		430t/km^2.a

		10.50 m^3 11.41 m^3 16.29hm^2 11356m 34	7245 3000 16.19hm^2	500m 2 3000m^2
		0.15 m^3		
		2.24 m^3 2.24 m^3 0.50hm^2 4956m 38800m^2		
		1.47 m^3 0.71 m^3 3.2hm^2 1.6hm^2	90 2.1hm^2 1.1hm^2	
			7.5hm^2	

		90%	98.9%	hm^2	32.48hm^2	hm^2	64.58hm^2	hm^2	112.16hm^2
		82%	96.5%			117.76hm^2			33.66hm^2

1

1.1

1.1.1

1

10 /

3 /

117.76hm^2 116.91hm^2 0.85hm^2

69.97 m^3 14.36 m^3 69.97 m^3

14.36 m^3

2015 10 2019 7

28.15

1.1.2

5

1

5

8.35hm^2

1.1.3

15.8 40.3 -20.6

10 5400 2100h 847mm

1067.2mm 10 24h 126mm 242d

22m/s

2.5m/s 11cm

17.0%

500t/

km^2 a 450~480t/ km^2 a

1.2

2015 1

2015 3

2015 4 17

2015 432

1.3

2019 7

2015 10 2019 7

GPS

1.2

		/	

2

2.1

SL277-2002

1

2

3

4

5

2.2

3

3.1

3.1.1

117.76hm^2

77.67hm^2 1.2hm^2

18.29hm^2 12.25hm^2 8.35hm^2

3.1 3.2

3.1

			hm^2	
		hm^2	77.67	
		hm^2	1.2	
		hm^2	18.29	17.45hn^2 0.84hn^2
		hm^2	12.25	12.24hm^2 0.01hm^2
		hm^2	8.35	
		hm^2	**117.76**	116.91hm^2 0.85hm^2

3.2

		hm^2		
		66.8	77.67	+10.87
		1.05	1.2	+0.15
		17.96	18.29	+0.33
		11.34	12.25	+0.91
		7.29	8.35	+1.06
		104.44	**117.76**	**+13.32**
		1.04	0	-1.04
		0.24	0	-0.24
		0.56	0	-0.56
		0.27	0	-0.27
		2.11	**0**	**-2.11**
		106.55	**117.76**	**+11.21**

2220m 1400m

245.99hm^2

1

11.35hm^2

2

3 364.4m

4

2.11hm^2

3.1.2

3.3

3.3

	hm^2	**t/km^2.a**
	72.07	450
	1.2	480
	18.29	450
	12.25	450
	8.35	480
	112.16	**452**

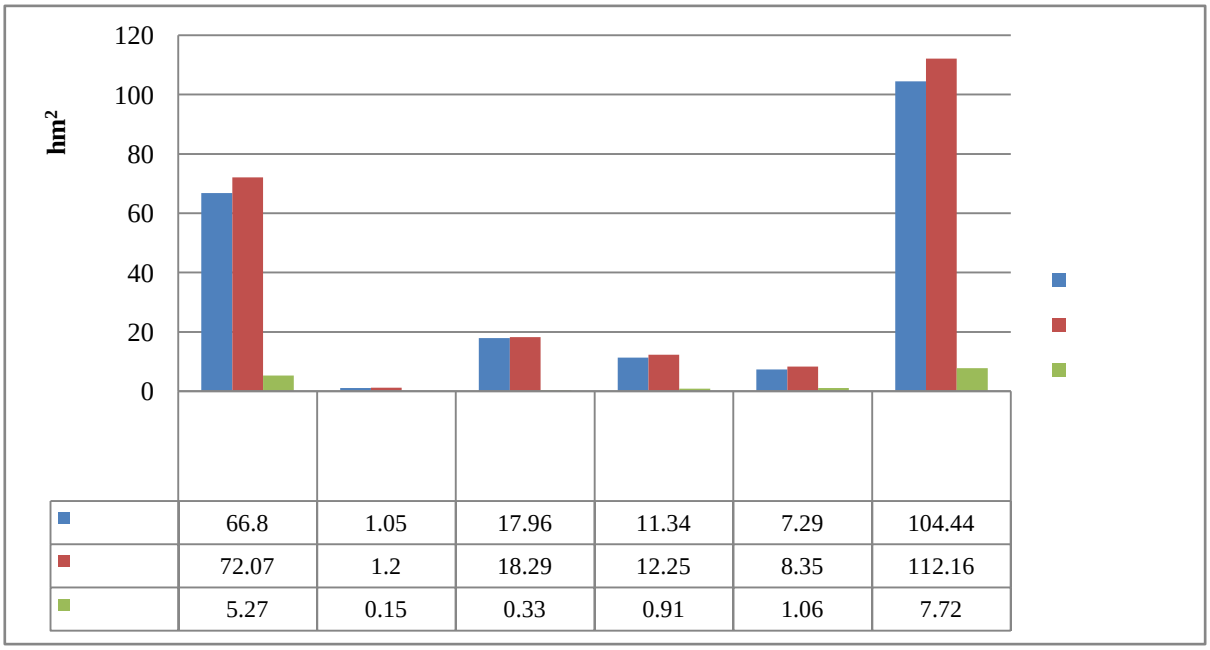
3.1.3

112.16hm^2 104.44hm^2 7.72hm^2 **3.4**

3.1

3.4

	hm^2			
	66.8	72.07	+5.27	
	11.34	12.25	+0.91	
	7.29	8.35	+1.06	11.35hm^2
	1.05	1.20	+0.15	
	17.96	18.29	+0.33	364.4m
	104.44	**112.16**	**+7.72**	



3.1

3.2

3.3

69.97

m^3 14.36 m^3 69.97 m^3 14.36 m^3

1

52.47 m^3

40.3 m^3 10.50 m^3

12.17 m^3 8.52 m^3 39.01 m^3

14.37 m^3 0.76 m^3

0.15 mm^3

3.5 **m^3**

		50.56	52.47	38.00	39.01	0.83		0.91		13.39		14.37									
		0.32	0.36	0.19	0.21							0.15						0.13			
		2.05	2.24	20.85	21.49	18.80		19.25													
		6.21	6.74	2.95	3.75					2.76		2.99						0.50			
		7.09	8.16	2.87	5.51					3.48		3.65						0.74			
		66.23	**69.97**	**64.86**	**69.97**	**19.63**		**21.16**		**19.63**		**21.16**						**1.37**			

1

2

3 364.4m

4

4.1

4.1.1

10.50 m^3 11.41 m^3 16.29hm^2 11356m 34 0.15 m^3 2.24 m^3 2.24 m^3 0.50hm^2 4956m 38800m^2 1.47 m^3 0.71 m^3 3.2hm^2 1.6hm^2

10.50 m^3 11.41 m^3 16.29hm^2 11356m 34 0.15 m^3 2.24 m^3 2.24 m^3 0.50hm^2 4956m 38800m^2 1.47 m^3 0.71 m^3 3.2hm^2 1.6hm^2

4.1

4.1

	m^3	7.72	10.50	+2.78	
	m^3	8.55	11.41	+2.86	
	hm^2	17.10	16.29	-0.81	
	m	11250	11356	+106	
		8	0	-8	
		0	34	+34	
	m^3	0.13	0.15	+0.02	
	m	200	0	-200	
	m^3	2.05	2.24	+0.19	
	m^3	2.05	2.24	+0.19	
	hm^2	0.96	0.50	-0.46	
	m	4800	4956	+156	364.4m
	m^2	24400	38800	+14400	
	m	4800	0	-4800	
	m^3	1.33	1.47	+0.14	
	m^3	0	0.71	+0.71	
	hm^2	0.01	3.2	+3.19	
	m	600	600	0	
	hm^2	7.42	1.60	-5.82	
	m^3	0	0	-0.74	
	hm^2	6.21	0	-6.21	
	m	1800	0	-1800	

4.1.2

2015 10 2019 7

4.1.3

1 2.78 m^3

2.86 m^3

2 0.02 m^3

3 0.19 m^3

0.46hm^2

364.4m

156m 14400m^2

4 3.19hm^2 5.82hm^2

4.1.4

4.2

4.2.1

2018 10 ~12 2019 3~6

1 7245 3000 16.19hm^2

2 90 2.1hm^2 1.1hm^2

3 7.5hm^2

4.2

		9720	7245	-2475	
		48000	3000	-45000	
	hm^2	15.43	16.19	+0.76	
		0	90	+90	
	hm^2	0.01	1.1	+1.09	
	hm^2	0	2.1	+2.1	
	hm^2	0	7.5	+7.5	

4.2.2

1

2

3

4.2.3

90%

0.4

4.3

4.3.1

2015 10 2018 9

1 500m 2 3000m^2

4.3

4.3

	m	534	500	-34	
		4	2	-2	
	m^2	4000	3000	-1000	
	hm^2	1.67	0	-1.67	

4.4

5

5.1

112.16hm^2

5.1

	hm^2
	72.07
	1.20
	18.29
	12.25

5.2

5.3

	t		
	5785.09	743.6	
	25.83	5.8	
	761.76	159.4	
	252.65	122.5	
	170.37	64.9	
	6995.70	1096.2	

5.2.2

1067.2mm 2015 10 2019 7

5.4

5.4

	mm	1~3 mm	4~6 mm	7~9 mm	10~12 mm
2015	1108.5	112.5	582	250	164
2016	1567	138	493	500.5	435.5
2017	954	175	212	463	104
2018					
2019			270	58.5	

5.2.3

5.2 1096.2t

743.6t 67.8% 5.8t

0.5% 159.4t 14.5%

122.5t 11.2% 64.9t

5.9%

5.2.5

1

430/km^2.a

2

5.2

610t/km^2.a 430t/km^2.a

510t/km^2.a 430t/km^2.a

600t/km^2.a 430t/km^2.a 530t/km^2.a

430t/km^2.a 520t/km^2.a 430t/km^2.a

610t/km^2.a

3

430t/km^2 a

6

6.1

112.16hm^2 111.98hm^2

5.59hm^2

26.89hm^2 64.58hm^2

98.9% 90%

6.1

6.1

	hm^2	hm^2					%
	72.07	71.29	0.10	16.19	49.20	5.80	98.9
	1.2	1.19	0.01	0.00	1.18		99.2
	18.29	18.08	3.88	0.00	14.20		98.9
	12.25	12.10	1.60	3.20	7.30		98.8
	8.35	8.32	0.00	7.50	0.82		99.6
	112.16	110.98	5.59	26.89	64.58		98.9

6.2

6.2

	hm^2			hm^2	%
	0.10	16.19	16.29	17.07	95.4
	0.02	0.00	0.02	0.02	100.0
	3.88	0.00	3.88	4.09	94.9
	1.60	3.20	4.80	4.95	97.0
	0.00	7.50	7.50	7.53	99.6
	5.59	26.89	32.48	33.66	96.5

6.3

14.36 m^3 13.39 m^3 93.2%

6.4

SL190-2007

500t/km^2 a 430t/km^2 a

1.2

6.5

28.89hm^2

93.1% 22.9% 6.3

6.3

	(hm^2)	hm^2	hm^2	hm^2	hm^2	%	%
	77.67	72.07	16.29	16.19	0.00	99.4	20.8
	1.2	1.20	0.00	0.00	0.00	/	/
	18.29	18.29	0.85	0.00	0.02	2.4	0.1
	12.25	12.25	3.90	3.20	0.00	82.1	26.1
	8.35	8.35	7.85	7.50	0.00	95.5	89.8
	117.76	112.16	28.89	26.89	0.02	93.1	22.9

6.6

98.9% 96.5%

1.2 93.2% 93.1% 22.9%

6.4

6.4

1		%	90	98.9
2		%	82	96.5
3			1	1.2
4		%	90	93.2
5		%	92	93.1
6		%	17	22.9

7

7.1

2015 10 ~2019 7

7.2

1

2

3

610t/km^2 a 430t/km^2 a

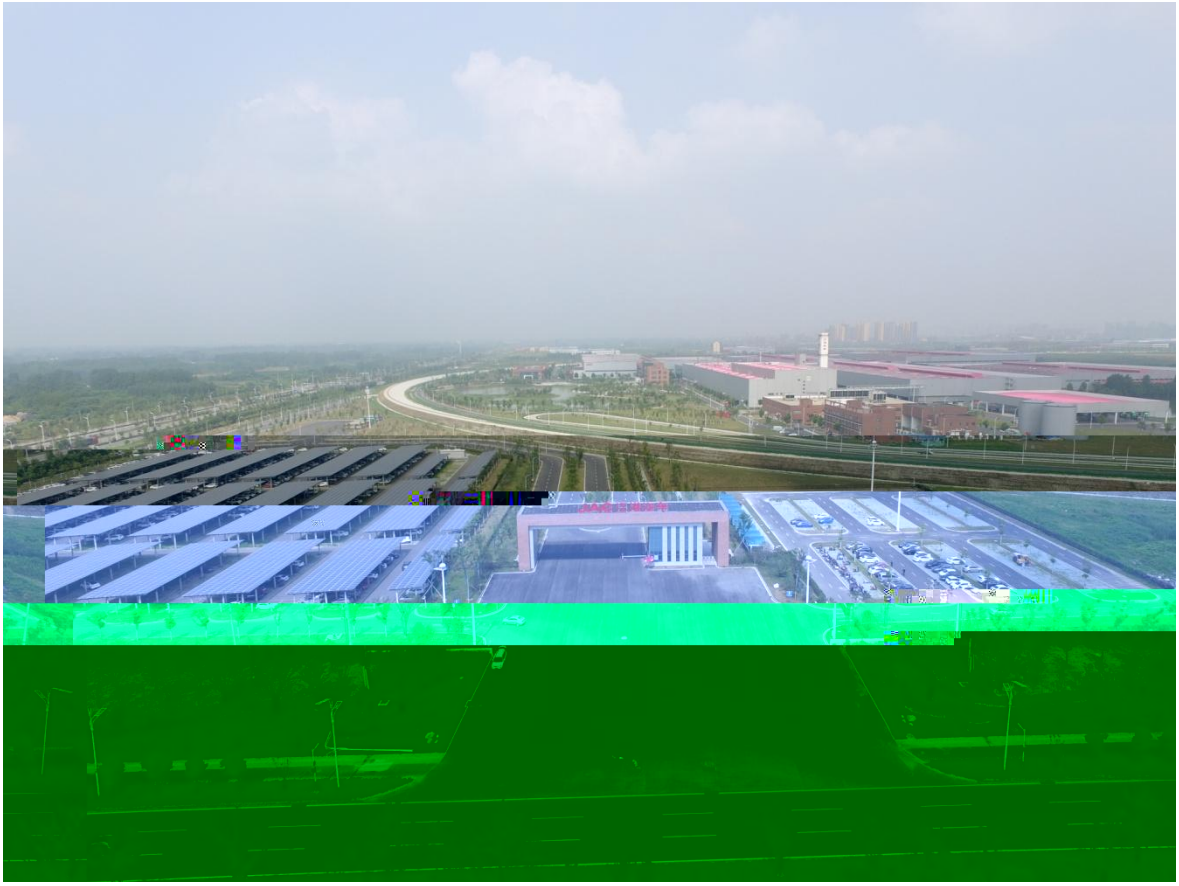
7.3

1

2

3 1.00hm^2

7.4



2019　　10

2019 10

..... 1
1 3
1.1 3
1.2 8
2 12
2.1 12
2.2 12
2.3 12
2.4 13
3 15
3.1 15
3.2 16
3.3 17
3.4 17
3.5 19
3.6 21
4 25
4.1 25
4.2 25
4.3 26
4.4 26
5 27
5.1 27
5.2 27

2014 12 26 2014 1268

2015 4 17 2015 432

2015 9 10 2015 660

2019 7

2019 10

2015 10

10 /

3 / 2015 10

2019 7 22.95

2018 11

2019 7

2018 569

2019 10

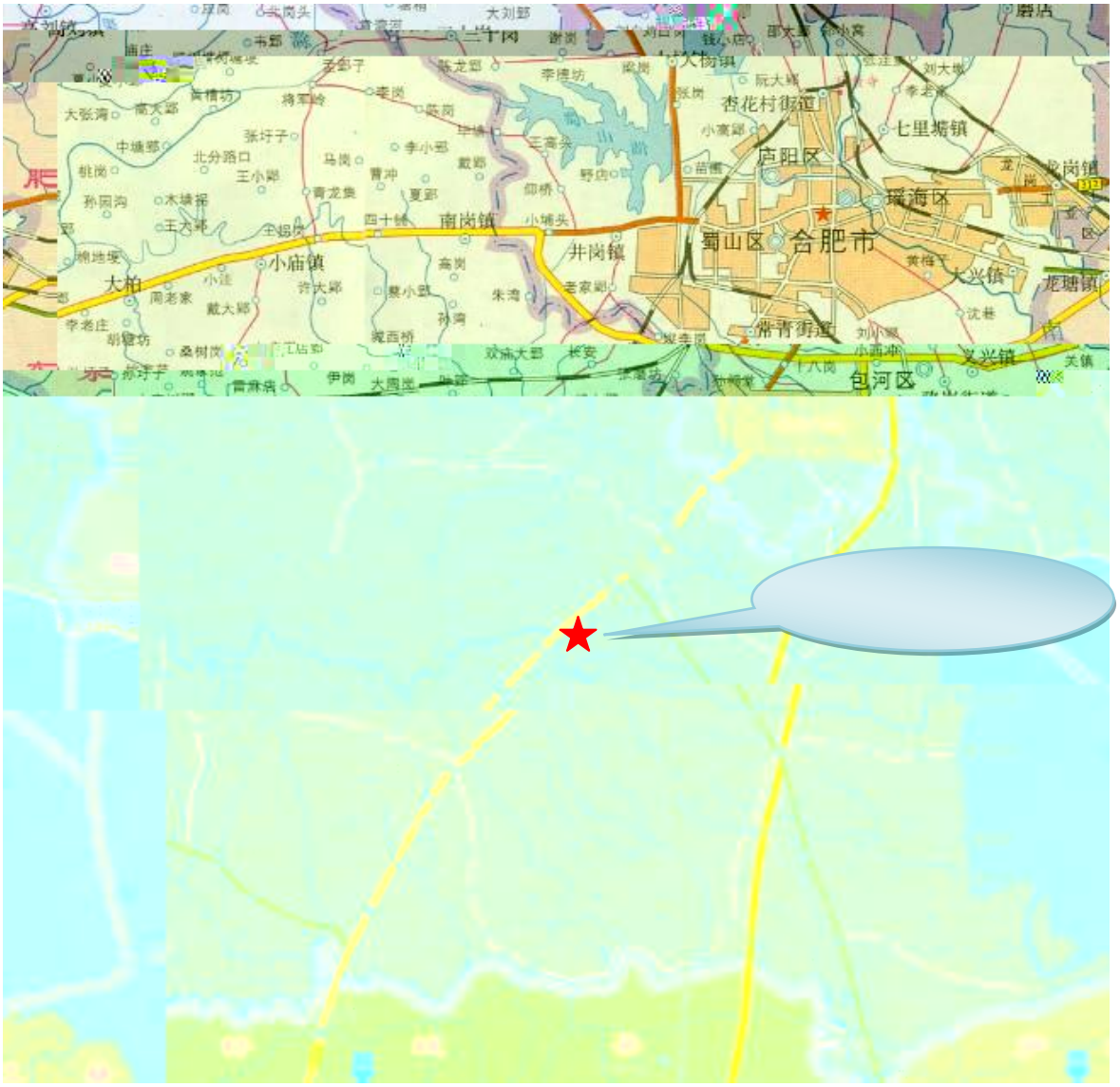
	2018 569		
1			
2	2016 65		
3			
4			
5			
6			
7			
8			
9			
10			
11			

1

1.1

1.1.1

1.1



1.1

1.1.2

10 / 3 /

2015 10 2019 7

1.1.3

22.95 8.45

1.1.4

5

5

1

72.07hm^2

2

5171.9m

627m 300m 184m 232m 13.82° 27.22°

4m 140km/h 110km/h 80km/h

18.29hm^2

3

6 4

20m

26m 14.55m 0.06hm^2

60m 28m

11.50m 0.17hm^2

0.97hm^2

1.20hm^2

4

12.25hm^2

12.24hm^2 0.01hm^2

1.00hm^2

5

8.35hm^2

1.1.5

1

0.18hm^2

2

3

10kv

4

5

2015 10 2019 7

1.1.6

69.97 m^3 14.36 m^3 69.97 m^3 14.36 m^3

1

52.47 m^3 40.3 m^3 10.50 m^3 12.17 m^3 8.52 m^3 39.01 m^3 14.37 m^3 0.76 m^3 0.15 m^3

2

0.36 m^3 0.15 m^3 0.21 m^3 0.15 m^3

3

2.24 m^3 19.25 m^3 14.37 m^3 2.23 m^3 2.65 m^3 21.49 m^3 2.24 m^3

4

6.74 m^3 1.47 m^3 3.75 m^3 0.76 m^3 2.23 m^3

5

8.16 m^3 5.51 m^3 2.65 m^3

1.1 1.2

1.1 **m^3**

		41.97	10.50	27.6	11.41	0.91		14.37					
		0.21	0.15	0.21	0			0.15					
		0	2.24	20.25	2.24	20.25							
		5.27	1.47	3.04	0.71			2.99					
		8.16	0	4.51	0			3.65					
		55.61	**14.36**	**55.61**	**14.36**	**21.16**		**21.16**					
		69.97		**69.97**									

1.2

	m^3	m^3	m^3
	66.23	69.97	+3.74
	64.86	69.97	+5.11
	1.37	0	-1.37
	0	0	0
1 2 3 364.4m			

1.1.7

117.76hm

1.3 **hm^2**

	77.67		43.1	32.68	0.84	1.05	77.67
	1.2		0.99		0.21		1.2
	17.45	0.84	14.94	3.16	0.19		18.29
	12.24	0.01	9.79	2.46			12.25
	8.35		5.99	2.36			8.35
	116.91	**0.85**	**74.81**	**40.66**	**1.24**	**1.05**	**117.76**

1.1.8

10490m^2 0.85 m^3 136

1.2

1.2.1

1

12.25 18.76m 6.51m

1.3

1.3

2

15.8 40.3 -20.6

10 5400 2100h 847mm

1067.2mm 10 24h 126mm 242d

22m/s

2.5m/s 11cm

3

48.9km

584.6km^2 1m

1.4

1.4

4

17.0%

500t/ km^2 a

1.2.2

2015~2030

(2017 94)

500 t/ km^2 a

2

2.1

2014 8

2014 12 26 2014 1268

2015 3

2015 10

2016 12

2015 10

2015 10 2019 7

2.2

2015 1

2015 4 17 2015

432

2.3

2016 65

2.1

	1				
	2	30%	106.55hm^2 104.44hm^2 2.11hm^2	117.96hm^2 13.32hm^2 30%	
	3	30%	66.23 m^3 64.86 m^3	69.97 m^3 69.97 m^3 8.85 m^3 30%	
	4	300m 20%			
	5	20%	2400m	2100m	
	6	20km			/
	7	30%	11.97 m^3	14.36 m^3	
	8	30%	16.44hm^2	26.89hm^2	/
	9				
	10	20%			

2.4

2015 3

2015 10

2016 12

5

11356m 4956m

16.29hm^2

0.50hm^2 3.2hm^2

38800m^2 1.60hm^2

7245

3000 16.19hm^2 90

2.1hm^2 1.1hm^2 7.5hm^2

3

3.1

3.1.1

2015 432

106.55hm^2 104.44hm^2 2.11hm^2

3.1

3.1 æ

			hm^2			
			66.80	66.80		
			1.05	1.05		
			17.00	17.00	0.96	
			11.34	11.33	0.01	
			7.29	7.29		
			104.44	103.47	0.97	
			1.04			2m
			0.24			2m
			0.56			55 m^2
			0.27			20m^2
			2.11			
			106.55			

77.67hm^2 1.2hm^2 18.29hm^2 12.25hm^2

8.35hm^2 3.2 3.3

3.2

			hm^2		
		hm^2	77.67		
		hm^2	1.2		
		hm^2	18.29	17.45hn^2	0.84hn^2
		hm^2	12.25	12.24hm^2	0.01hm^2
					35hm^2

[redacted]

11.35hm^2

2

3 364.4m

4

2.11hm^2

3.2

3.3

3.4

1

2

3

4

5