水土保持监测总结报告

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76756.76m^2

280951.39m^2 42298.68m^2

155384.99m^2 1# 6# 2# 7#

2.11hm^2 1.63hm^2 0.49hm^2

2013 4 9

51200231304090011 2013 5 7

512000201300036

2014 8 25

51108120140825036 2015 8 20

(2015 61) 2018

5 14

(2018 317) 2018 9 4

51108120180904036

2014 9 2015 8 2018

8 2021 4 45

4.23hm^2 ( )

2.11hm^2 1.63hm^2 0.49hm^2

12.56 m^3 0.25 m^3 12.56 m^3

0.25 m^3

110600.00 61000.00

60000.00 33100.00

2014 9 2021 1

2021 2

“ ” 5

2021 2

3

2021 2 2021 4

1

4.23hm^2

99.78%

1.67 99.76% 99.68% 99.83%

11.58%

	4.23hm^2 ( )		
			60000.00

1

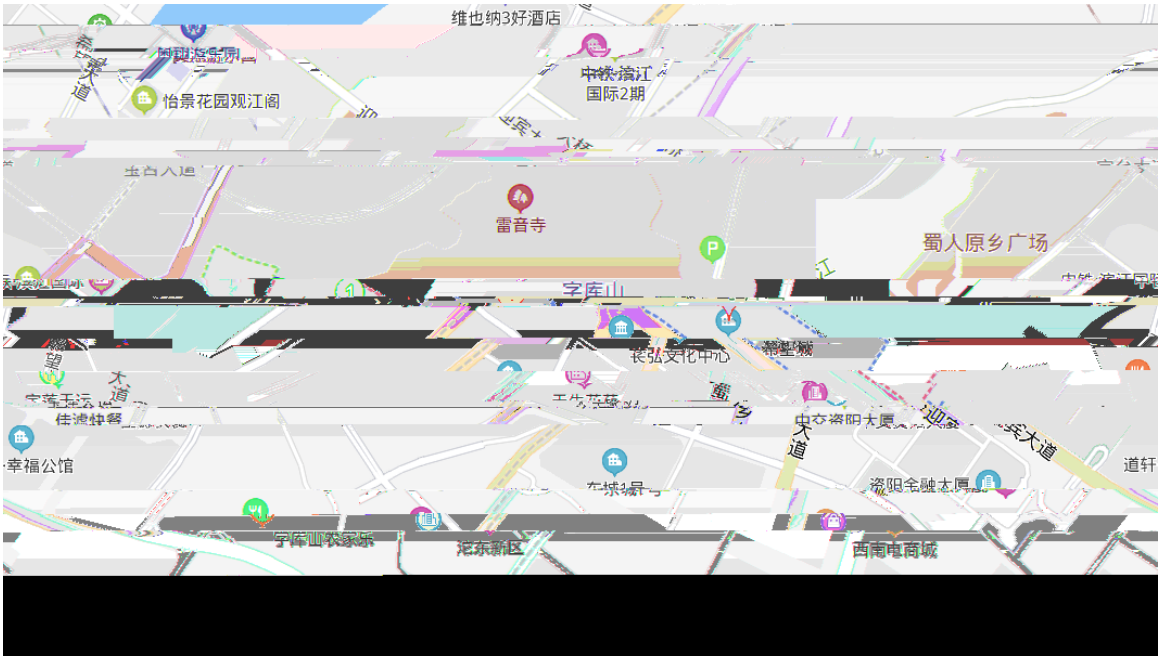
1.1

1.1.1

1.1.1.1

E105°17'35.98" N29°35'6.87"

1.1-1



1.1-1

1.1.1.2

76756.76m^2 280951.39m^2

1# 6# 2# 7# 3# 4# 5#

45673.00m^2 23282.76m^2 7801.00m^2

42298.68m^2

155384.99m^2 1# 6# 2# 7#

21113.91m^2 16286.21m^2 4898.56m^2

1.1.1.3

( )

1.1-1

1.1-1

	( )	1# 6# 2# 7#	155384.99m^2 2.11hm^2 ( ) +	127860.57m^2 11450.88m^2
			1.63hm^2	/
			0.49hm^2	/
			0.09hm^2 0.07hm^2	
4.23hm^2			2.11 m^2 54.94% 2.91	11.58%

1.1.1.4

110600.00 61000.00

60000.00 33100.00

1.1.1.5

2014 8 2016 3

20

2014 9 2015 8 2018 8

2021 4 45

1.1.1.6

4.23hm^2

( ) 2.11hm^2 1.63hm^2

0.49hm^2

4.23hm^2 ( )

2.11hm^2 1.63hm^2 0.49hm^2

1.1-2

		hm²	hm²	(-/+)	(%)
1	( )	2.11	2.11	0	0
2		1.63	1.63	0	0
3		0.49	0.49	0	0
4		0.15	0.16	0.01	6.7
		4.23	4.23	0	0

1.1.1.7

12.54 m^3 0.23 m^3 12.54 m' 0.23 m'

1.1-3

		(m^3)			(m^3)			(m^3)		(m^3)		(m^3)	
( )			7.38	7.38		7.39	7.39					0	
			2.26	2.26		2.25	2.25					0	
		0.23	2.67	2.90	0.23	2.67	2.90					0	
		0.23	12.31	12.54	0.23	12.31	12.54					0	

12.56 m^3 0.25 m^3 12.56 m' 0.25 m'

1.1-4

		(m^3)			(m^3)			(m^3)		(m^3)		(m^3)	
( )		0.25	7.38	7.63		7.38	7.38			0.25		0	
			2.26	2.26		2.26	2.26					0	
			2.67	2.67	0.25	2.67	2.92	0.25				0	
		0.25	12.31	12.56	0.25	12.31	12.56	0.25		0.25		0	

1.1.2

1.1.2.1

300.0—550.0m 1059.0m

247.0m

1632.62km^2

350.0-554.0m

1.1.2.2

961.30mm

1290 17.30

301 275.0mm

1.70m/s 22m/s

1.1-5

1.1-5

			17.3
		mm	961.3
		d	301
		h	1290
		m/s	1.7
		m/s	22

1.1.2.3

150 300m 0.24‰

2.24

$375 m^3/s$

1.1.2.6

1072.63km^2 66.69%

3287t/km^2

974t/km^2·a

500t/km^2·a

1.1-6

1.1-6

	km^2	372.27	511.34	181.19	7.83	1072.63
	%	22.80	31.31	11.10	0.48	65.68
	%	34.71	47.67	16.89	0.73	100

( )

1.2

1.2.1

1.2.2 “ ”

“ ”

1.2.2.1

2014 5

2014 7 1

(2014 54)

1.2.2.2

1.2.2.3

1.2.3

1.2.3.1

< > 2014

5

2014 5

2014 6 9

2014

6

2014 7 1

(2014 54)

1.2.3.2

2015 1561

1.2.4

1.2.5

1.2.6

2021 4

1.3

1.3.1

12

“

” 2021

2

[2017]365

[2018]887

< >

2015 139

2021 2 2021 2

(“ ”)

( ) (

)

1.3.2

1.3.2.1

2021 2

1.3.2.2

2021 2

1.3.2.3

5 1.3-1

1.3-1

		/		
1				
2				
3				
4				
5				

1.3.3

1.3.3.1

1

2

3

1.3.3.3

3 ( )

1.3-2

1.3-2

1#	( )			( )	
2#					
3#					

1.3.4

GPS

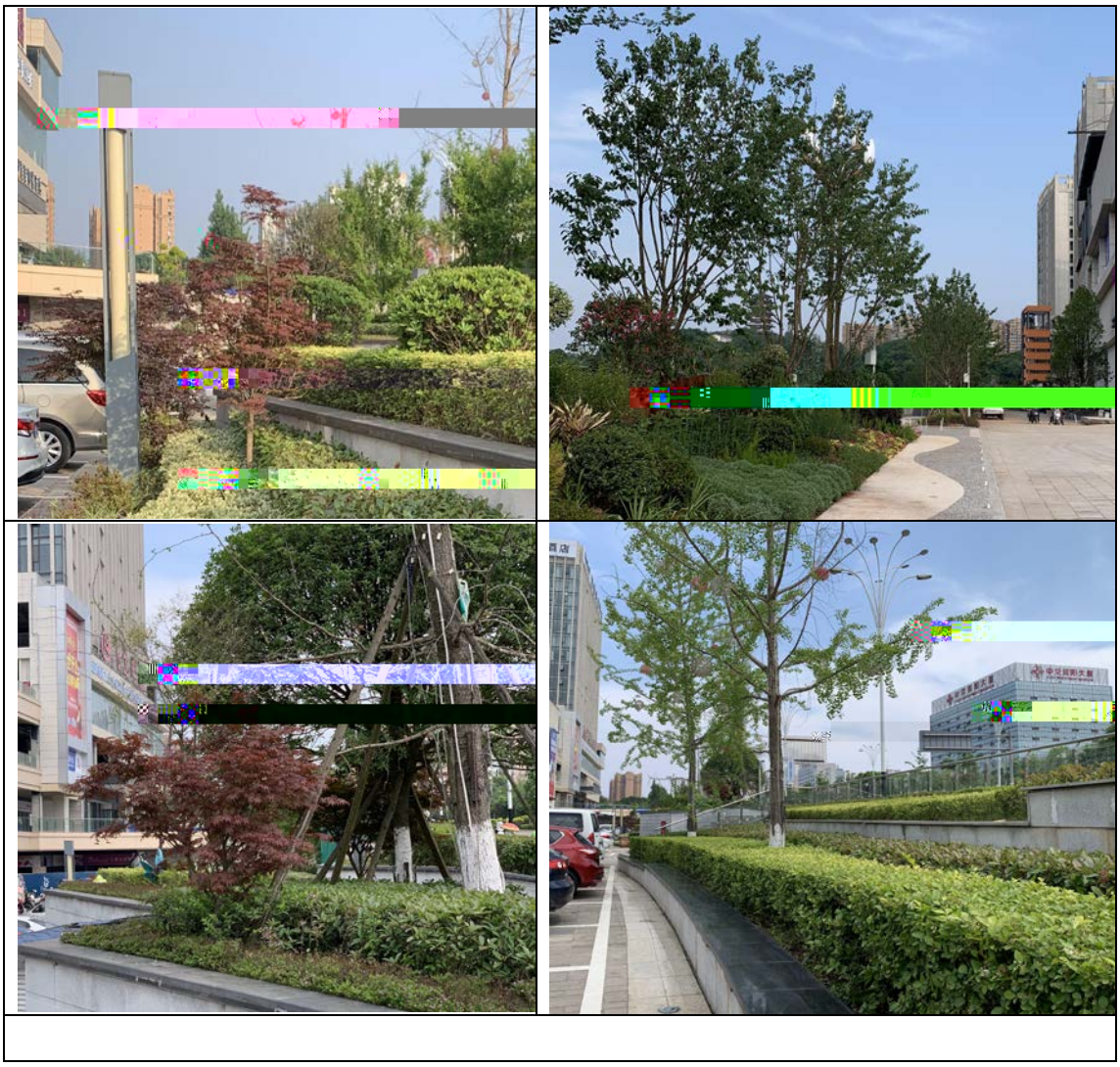
1.3-3

1.3-2

1	GPS		1	
2			1	
3			2	
4			1	
5			2	

6			2	
7			2	
8			1	

1.3.5



2

2.1

2.1-1

2.2

2.3

2.2-1

2.4

2.4-1

3

3.1

3.1.1

3.1.1.1

2014 7 1

2014 54

4.43hm^2

4.23hm^2 0.20hm^2

[2014]1723

3.1-1

		hm^2		
	( )	2.11		
		1.63		
		0.49		
		0.15		
		4.23		

3.1.1.2

2021 4

4.23hm^2

3.1-2

	hm^2	hm^2	hm^2	
( )	2.11	2.11	0	
	1.63	1.63	0	
	0.49	0.49	0	
	0.15	0.16	0.01	
	4.23	4.23	0	

3.1.1.3

( )

3.1.2

3.1.3

4.23hm^2 2014

9 2015 8 2018 8 2021 4

3.1-3

3.1-5

(hm^2) (hm^2

3.2

3.2

3.2.1

12.54 m^3 0.23 m^3

12.54 m^3 0.23 m^3

3.2.2

3.3.3

3.4

3.4.1

12.56 m^3 0.25 m^3 12.56 m^3 0.25 m^3

3.4-1

		(m^3)			(m^3)			(m^3)		(m^3)		(m^3)	
( )		0.25	7.38	7.63		7.38	7.38			0.25		0	
			2.26	2.26		2.26	2.26					0	
			2.67	2.67	0.25	2.67	2.92	0.25				0	

		(m^3)			(m^3)			(m^3)		(m^3)		(m^3)	
		0.25	12.31	12.56	0.25	12.31	12.56	0.25		0.25		0	

3.4.2

3.4-2 **m^3**

	(m^3)	(m^3)	(m^3)	
	12.54	12.56	0.02	
	12.54	12.56	0.02	
	0	0	0	

3.4.3

3.5

( )

4

4.1

4.1.1

( )

4.1-1

4.1-1

( )		+	m	460	
			m	420	
			m	250	
				5	
			m^3		2300
			m^3		2300
			hm^2		0.15

4.1.2

+

4.1-2

4.1-2

						-/+		
( )			m^3	0	2500	2500		
		+	m	460	0	-460		
		+	m	0	750	750		
			m	420	0	-420		
			m	250	0	-250		
			m	0	600	600		
			m	0	200	200		
			m	0	100	100		
				5	30	25		
				0	80	80		
			m^2	0	15830	15830		
			m^3	2300	0	-2300		
			m^3	2300	2500	300		
			hm^2	0.15	0.16	0.01		

4.2

4.2.1

4.2-1

4.2-1

			m^2	9100	
				380	
			m^2	4900	

4.2.2

4.2-2

4.3

4.3.1

4.3-1

4.3-1

( )			m		50
					2
			m^2		1850
			m		100
					2
			m^2		2450
			m		30
					1
			m^2		500
			m		23
					2
			m^3		125
			m^2		550

4.3.2

4.3-2

4.3-2

						-/+		
( )			m	510	540	30		
				2	3	1		
			m^2	1850	1950	100		
			m	1050	1160	110		
				2	3	1		
			m^2	2450	2560	110		
				0	1	1		
			m	320	360	40		
				1	3	2		
			m^2	500	650	150		
			m^2	0	3500	3500		
			m	133	150	17		
				1	2	1		
			m	125	130	5		
			m^2	550	650	100		

4.3.4

2021 4

4.4

4.4.1

+

4.4-1

						(-/+)
( )			m^3	0	2500	2500
		+	m	460	0	-460
		+	m	0	750	750
			m	420	0	-420
			m	250	0	-250
			m	0	600	600
			m	0	200	200
			m	0	100	100
				5	30	25
				0	80	80
			m^2	0	15830	15830
			m^3	2300	0	-2300
			m^3	2300	2500	200
			hm^2	0.15	0.16	0.01

4.4.2

4.4-2

						(-/+)
			m^2	9100	0	-9100
				380	50	-330
			m^2	0	4100	4100
			m^2	4900	800	-4100

4.4.3

/

4.4-3

						(-/+)
			m^3	50	53	3
				2	3	1
( )			m^2	1850	1950	100
			m^3	100	110	10
				2	3	1
			m^2	2450	2560	110
				0	1	1
			m^3	30	35	5
				1	3	2
			m^2	500	650	150
			m^2	0	3500	3500
			m^3	23	26	3
				2	2	0
			m^3	125	130	5
			m^2	550	650	100

4.4.4

( ) 4

(1) ( )

2500m^3 + 750m

600m 200m 100m 30

80 15800m^2 2500m^3

1500m^2 (2)

50 4100m^2 800m^2 (3) ( )

510m 3 1950m^2

1160m 3 2560m^2 1

360m 3 650m^2 3500m^2

150m 2 130m 650m^2

2.1

5

5.1

5.1.1

2021 4 1 1 . 2

4.23hm^2 5.1-1

5.1-1

	(hm^2)	(hm^2)
( )	2.11	2.11 Ù • PÙ€}•

5.2.1

( )

4

5.2.2

2014 9 2015 8 2018 8 2021 4

2021 4

5.2-1

		(hm^2)	(hm^2)	$t/km^2.a$	(t)
2014.9 ~2021.4	( )	2.11	2.11	9000	712.1
		1.63	1.63	9500	580.7
		0.49	0.49	9000	165.4
		(0.16)	(0.16)	9500	(57.0)
		4.23	4.23		1458.2
2021.5 ~2023.4		0.49	0.49	1500	7.4
		0.49	0.49		7.4
		4.23	4.23		1465.5

5.3

5.4

6

6.1

4.23hm^2 0.49hm^2

4.23hm^2 99.78 97%

6.2-1

6.2-1

	(hm^2)	(hm^2)	(hm^2)	(hm^2)			%
( )	2.11	2.11	2.11		2.11	2.11	99.78
	1.63	1.63			1.63	1.63	
	0.49	0.49		0.49		0.49	
	(0.16)	(0.16)			(0.16)	(0.16)	
	4.23	4.23	2.11	0.49	3.74	4.23	

6.2

300t/km²·a 500t/km²·a

1.67

6.2-1

6.2-1

	(hm²)	(t/km².a)	(t/km².a)	
( )	2.11	500	300	1.67
	1.63	500	300	
	0.49	500	300	
	(0.16)	500	300	
	4.23	500	300	

6.6-1

	(hm²)	(hm²)	%
( )	2.11		11.58
	1.63		
	0.49	0.49	
	(0.16)		
	4.23	0.49	

6.7

6.7-1

6.7-1

		(%)			
1		97	99.78		
2		1.0	1.67		
3		94	99.76		
4		92	99.68		
5		97	99.83		
6		11	11.58		

7

7.1

7.1.1

4.23hm^2

4.23hm^2

7.1.2

0.02

m^3 0.02 m^3

7.1.3

99.78%

1.67 99.76% 99.68%

99.83% 11.58%

GB/T 50434-2018

“ ” 4.0.2-6

11%

7.2

(1) ( )

2500m^3 + 750m

600m 200m 100m

30 80 15800m^2

2500m^3 1500m^2 (2)

50 4100m^2 800m^2 (3)

( ) 510m 3 1950m^2

1160m 3 2560m^2

1 360m 3 650m^2

3500m^2 150m 2 130m

650m^2

7.3

7.4

6