
2022 06

1669.89

A51

2022 06

1993

2021

2009

2010

613

900m³

1.2-1.5

2010

400m²

35

C₁₀-C₄₀

3

4

5

6

7

	.....	I
1	.....	1
1.1	.....	1
1.2	.....	2
1.2.1	.....	2
1.2.2	.....	3
1.3	.....	4
1.3.1	.....	4
1.3.2	.....	4
1.4	.....	5
1.5	.....	5
2	.....	7
2.1	.....	7
2.2	.....	7
2.2.1	.....	7
2.2.2	.....	7
2.2.3	.....	8
2.2.4	.....	9
2.2.5	.....	10
2.2.6	.....	11
2.3	.....	12
2.4	.....	13
2.4.1	.....	13
2.4.2	.....	13
2.4.3	.....	14
2.5	.....	15
2.5.1	.....	15
2.5.2	.....	15
2.6	.....	16

2.7	.....	16
2.8	.....	16
3	.....	17
3.1	.....	17
3.2	.....	18
3.2.1	.....	18
3.2.2	.....	19
3.2.3	.....	20
3.2.4	.....	20
3.3	.....	21
3.4	.....	23
3.5	.....	23
3.5.1	.....	23
3.6	.....	26
3.6.1	.....	26
3.6.2	27
3.7	28
3.8	28
3.9	28
4	29
4.1	29
4.2	29
4.3	30

1

1.1

113.850350° 23.279996° 1669.89

A51

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8

[2016]31

[2012]140

[2016]31

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[2016]145

[2017]13

[2018]173

1

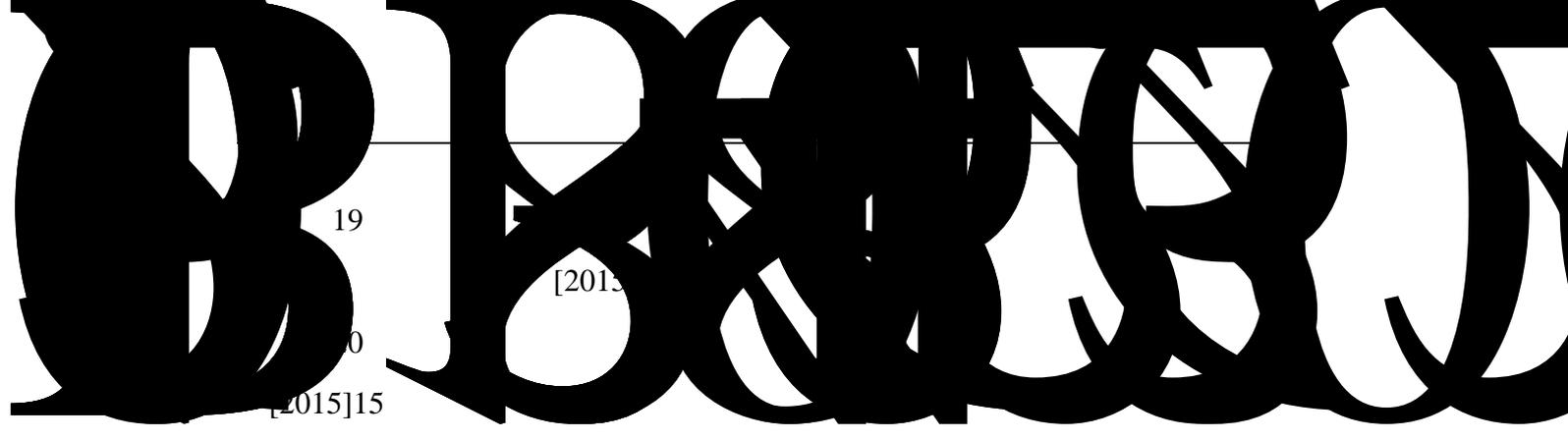
DB4401T 102.1-2020

»

1.2

1.2.1

- 1 2019 1
- 2 2015 1
- 3 2002 10
- 4 2018 1
- 5 2005 4
- 6
- 7 2009 61
- 8
- 9 2013 7
- 10
- 11 2016 31 “ ”
- 12 2014 66
- 13 42 2017 7 1
- 14 2012
- 15 (2010 99)
- 16 2014 22
- 17 2016 145
- 18 [2015]131
- 19 2014 128
- 20 2017 13



19

[2015]

0

[2015]15

21

[2018]26

1.2.2

1

HJ682-2019

2

HJ25.1-2019

3

HJ25.2-2019

4

2014 11

5

HJ/T 166-2004

6

HJ 164-2020

7

GB36600-2018

DB4401T102.1-2020

1.3

1.3.1

1

2

3

1.3.2

1

2

3

1.4

1669.89

1.5

HJ25.1-2019

HJ25.2-2019

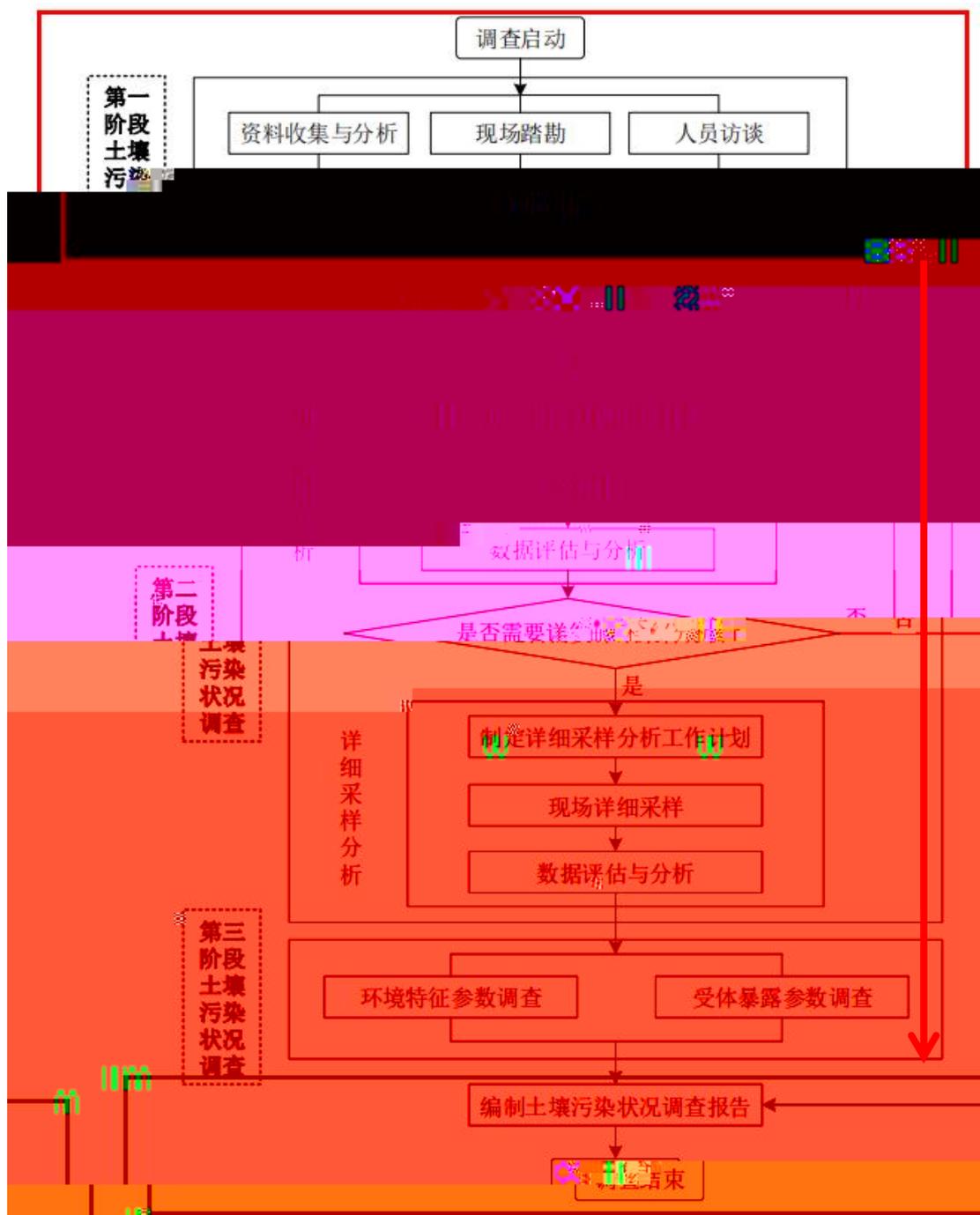
1

DB4401T 102.1-2020

2020 101

1

2



1.5-1

2

2.1

113.850350° 23.279996° 1669.89

2.2

2.2.1

1616.47 141

2.2.2

1 21.8 (1)13.3
(8)28.4 0 38.7
2 1906 7 240 260h 4
78.9 42.9% 10
55% 4 21%
3 1800mm
2516.7mm 1158.5mm 4 9 5 6

			293.8mm	12	
24.7mm	4 6		7 9		
4				8	3
16%			4 8	9%	
2.4m/s		35.4m/s	29%		

2.2.3

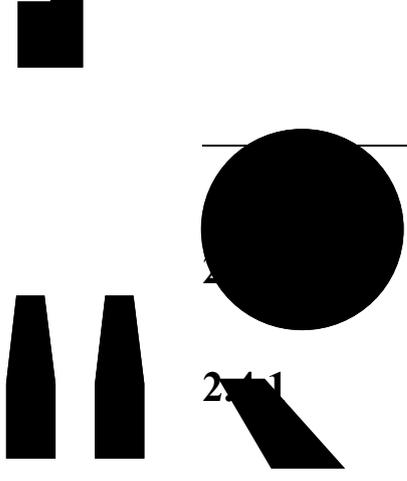
				500	
	3	100		6	19
	30				0.08‰
	400 500	800		300	
1000					
					203
	3160			35.9	0.74‰
	66	90 220		971	
	60%	0.17‰			
5					36
5.5‰	357.5			5	

2.2.6

2.3

<http://www.ngac.org.cn/Map/Document?guid=EC7E1A7A78B01954E0430100007F182E>

500m



2009 2022

±ÀÖt É8õ 1993
2021
2009

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2

2.6

500m

2.7

2.505

[2021]2297

A51

2.8

([2009]19)

“

”

3

2020 1101

HJ25.1-2019

1

DB4401T 102.1-2020

2019 130 7

3.1

1

2009

2010

613

900m³

1.2-1.5

2010

m²

35

C₁₀-C₄₀

2

2009

2010

2012



2009
2018

2012

10

2022 6

10-25KG

2-9KG

.È

2009

2010

2010

2014

2012

2013

2013

2014

2017 10

2018 2 6

3

4

5

6

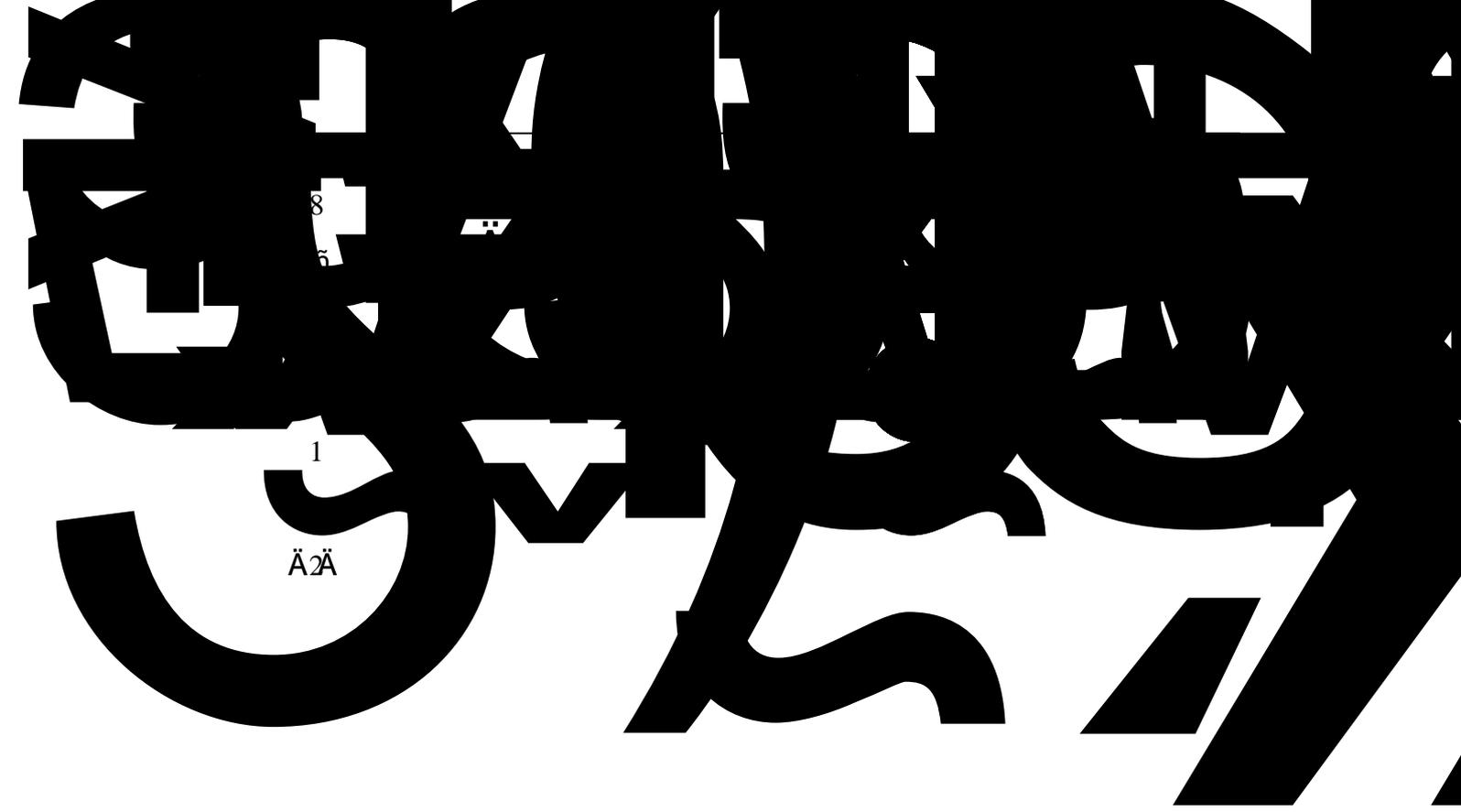
7

3.2

3.2

3.2.2

2022 6



1

ÄÄ

3.3

1

1993
2021
2009

2010

900m³

1.2-1.5

613
2010

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4

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3.4

0.2~2.9m

3.5

3.5.1

2394.41

DR

1

BOD₅

COD_{Cr}

()

COD BOD

COD BOD SS

,
(DB44/26-2001)()

(GB18466-2005) 2 ()

(GB18918-2002)

B

(DB44/26-2001)

2

1

“ ” “ ”

2

2

100%

2018

10

2022 6

10-25KG

2-9KG

CODcr BOD₅ SS

CODcr BOD₅ NH₃-N SS

3.6

3.6.1

1

1993

2021

2009

2010

613

900m³

1.2-1.5

2010

m²

35

C₁₀-C₄₀

2

3

4

5

2009
2018 2

3.6.2

1

XRF

			1#	Pb	21PPm	Ni	53PPm	As	
Cd	Cu	Hg	2#	Pb	30PPm	Ni	66PPm	Cu	11PPm
As	Cd	Hg	3#	Pb	14PPm	Ni	52PPm	As	Cd
Cu	Hg								

2

2009

2010

2012

2009

2012

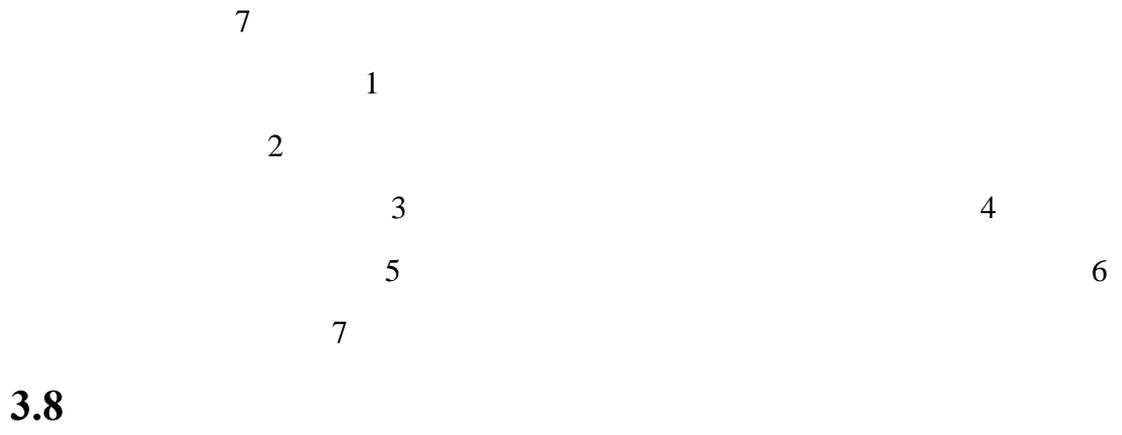
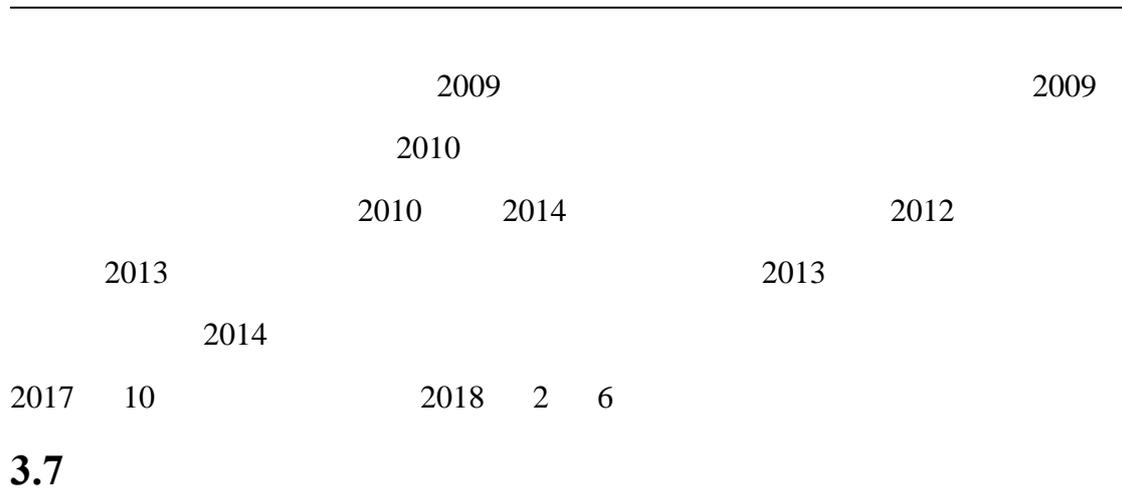
2018

10

2022 6

10-25KG

2-9KG



3.9

1

2

Google Earth

omap

GPS

RTK

3

4

4.1

113.850350°

23.279996°

1669.89

A51

4.2

1993

2021
2009

2010
613
900m³ 1.2-1.5 2010
m² 35
C₁₀-C₄₀

4.3