µ 8 U f 6 c ù µ 8JÑ,³2¿ ¸ f • U "— (ì ë B 4üB9 Û €

U f µ+^ y ð Æ	µ 8 U f 6 c ù
P q1×*< ‹ ƒ Æ	µ)å Ë Ý6× ?L† ¢ .
U "— (ì ëB9 ‹ ƒ Æ	µ?µ • L0)å 0 ¶6× 3 ?L† ¢ .
	µ?µ •#• ö#• ¶ e C × ?L† ¢ .
5L l ,L* Æ	Â B Â 6 ª Ê >

-$ ‹

……

1.1 ……1

1.2 ……2

1.2.1 ……2

1.2.2 ……2

1.2.3 ……3

1.2.4 ……3

1.2.5 ……5

1.3 ……6

1.3.1 ……6

1.3.2 ……6

1.4 ……7

1.5 ……8

……

2.1 ……10

2.2 ……12

2.2.1 ……12

2.6.1 27

1.1

5

113°24′53.21″ 23°6′4.96″ 35493.02m^2

AEC .

1968 1968

1988 12

2006 2007 -2018

2019 ( )

2019 5

2020 ( )

(2014)

([2019]139) B2

G1

HJ 25.2-2019 1

DB4401T 102.1-2020 2018 1

1 2020 12 2021 3

1.2

1.2.1

1 2020 1 1

2 2019 1 1

3 2018 1 1

4 2017 7 1

5 2016 7 2

74 2002 10 1

6 2015 1 1

7 2010 12 25

8 2000 3 20

1.2.2

1

2020 3 26

2

2020 50

3

2020 40

4 2019

2019 4 2019 6 13

5

29

6

2018 173

7

2018

3 3

DB4401/T 102.3-2020

4 4

DB4401/T 102.4-2020

5 HJ 25.1-2019

6 HJ 25.2-2019

7 HJ 25.3-2019

8 HJ 682-2019

9 HJ 1019-2019

10 2018 1 1

11

GB36600-2018

12 GB/T14848-2017

13

2017 1896

14

2017 67

15

1.2.5

1 [2019]139

2 2004 2005 2007 2010 2018 2019

3 1958 1963 1973 1978 1996

4

2016

5 2009

6

20 2020

21 2019

22 2018

23 2016

24 1996

1.3

1.3.1

B2

G1

1.3.2

1.4

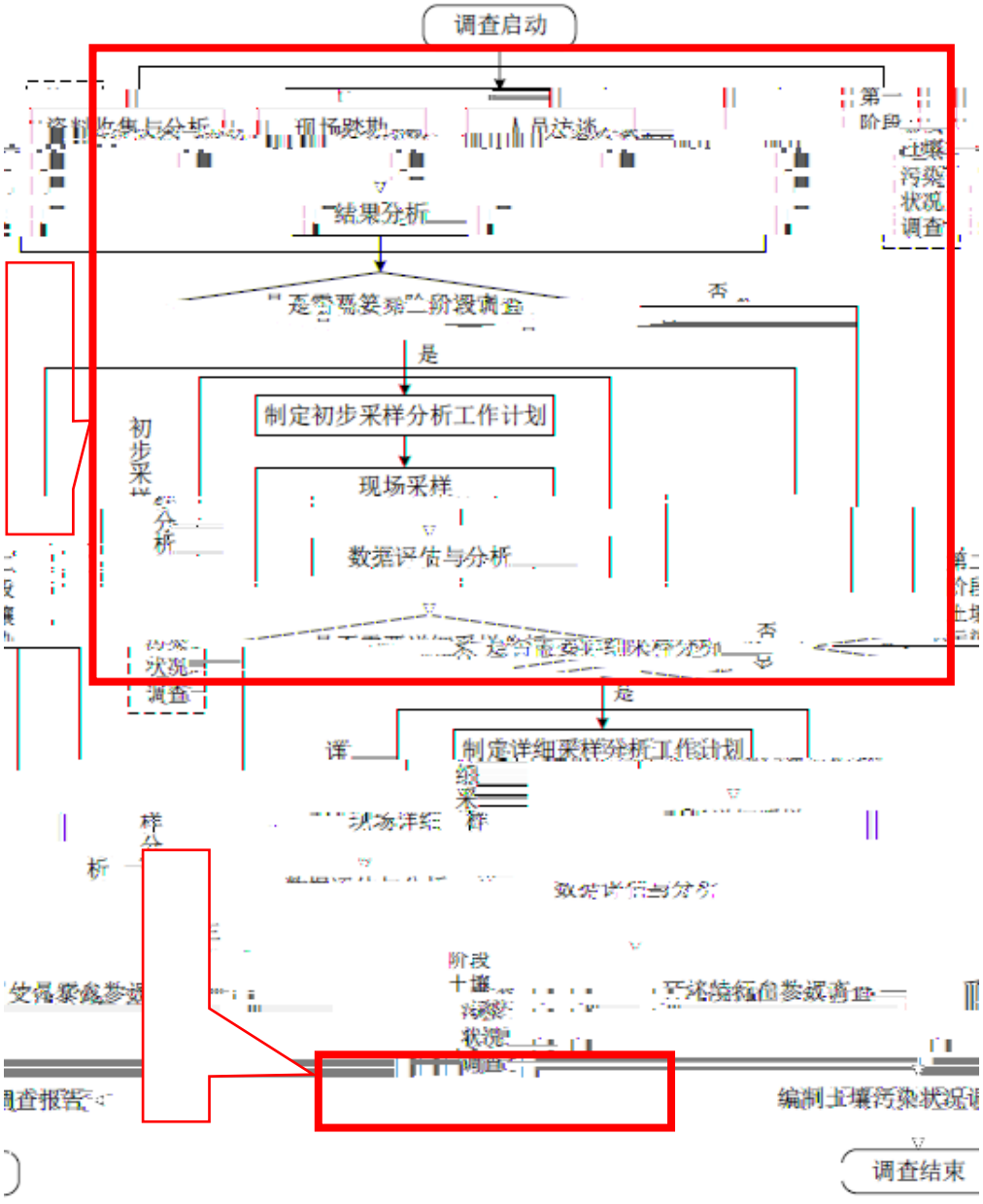
5 AEC

.

35493.02

1.5

1 DB4401T 102.1-2020


调查启动
结果分析
否
是
制定初步采样分析工作计划
现场采样
数据评估与分析
是
制定详细采样分析工作计划
调查结束

2.1

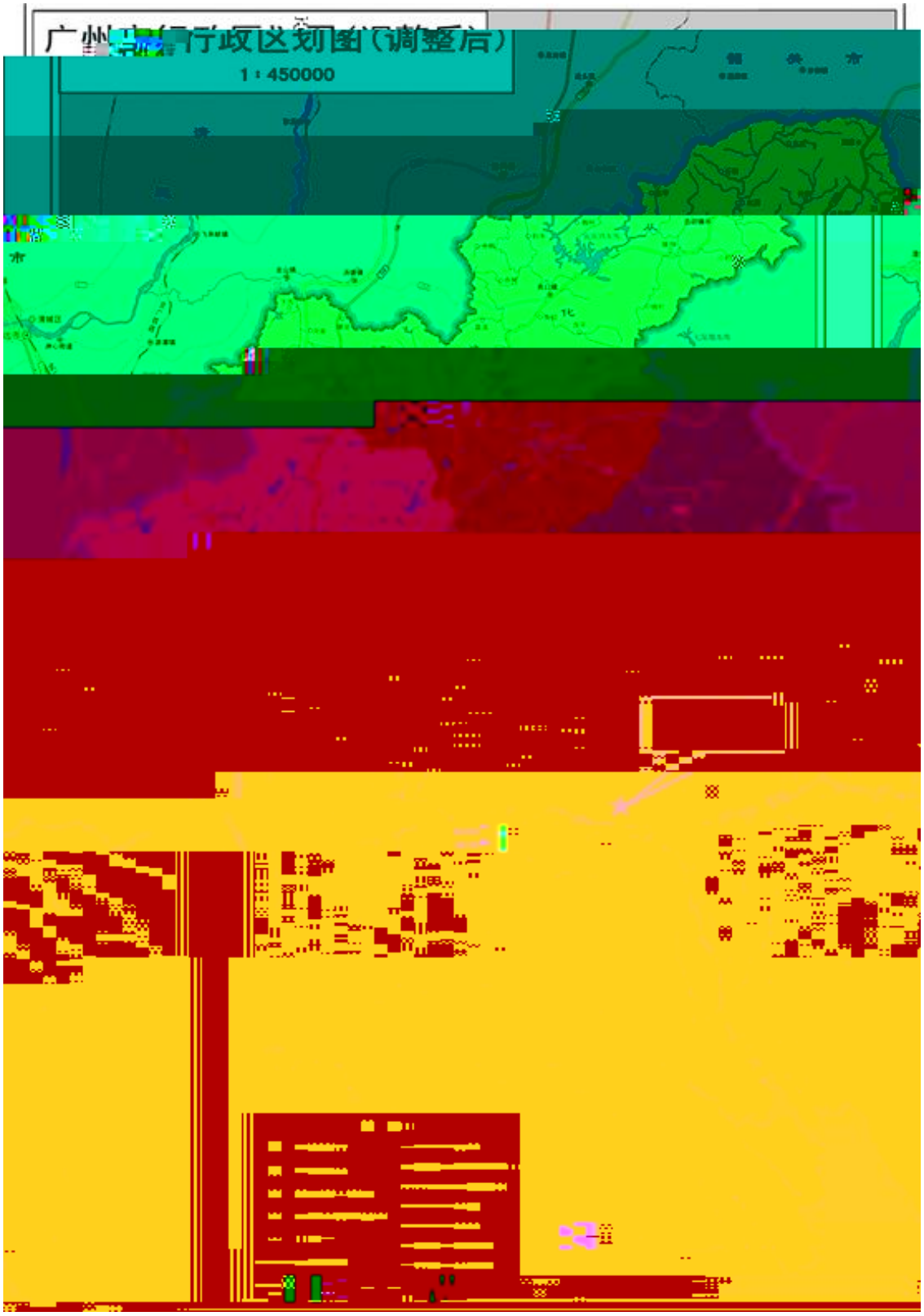
112°57′~114°3′ 22°26′~23°56′

“ ”

113°15′55″~113°26′30″ 23°6′0″~23°14′45″

113°24′53.21″ 23°6′4.96″ 35493.02

AEC .


1：450000

2.2

2.2.1

28.41 20.72% 21.85 15.94%

86.84 63.34%

222~400 30~50

1.5~2

ʊ

391

388 373.3 304 261~388

11 312 147~312 9

322

131

11

2.2.2

☻ ,

, , . ☻

100-400m 40-100m

8-18m

2.2.2.1

1991~2000 1000

24907 11291 13616 54.66% 2004

2000 3.7

5

1991 1990 26.2% 2000 23%

1991~2000 2000

7230 2007 27.76%

20.92

2005 25 42

2.2.2.2

2005 3.7

5

30 50 100

2005 36.38% 5%

13.7%

13.9% 4~8 1.9m/s 33%

28m/s 33.7m/s

2.2.4

2018 10 21 1950 7

1950 1960 7

1981 5 1987 3

1992 10 9 1995 8 11 1995

8 11 1995 8 11 1997 11

18 1999 9 30 1999 12 29

1999 12 29 1999 12 29

1999 12 29 2002 12

2002 12 2002 12 2002

12 2002 12 2002 12

1

37000

1953 71729 1964 159149 1982 229276 1990 430153

2000 11 1 1109320

2019 96.57 2.8% 178.85

2.4% 1.44 14.65‰ 3.42‰

11.24‰ 95.72%

2.2.5

2019 GDP 5047.39

8% 13 0.02 7.94 92.04

1.18 20.3% 400.72 10.2%

4645.48 7.7% 3666.39

8.4% GDP 72.6% 2784.16

8.7% GDP 55.2% 988.29
8.2% GDP 19.6% 753.63
11.9% GDP 14.9% 738.8 4.5%
GDP 14.6% 303.44 12.5% GDP
6% GDP28.56 6.7%

2019 1.18 20.3%

2019 400.72 10.2%
2019 863.71 12.9%
99.7%
2 21.6% 790.37
13.8% 71.34 3.7%
209.29 7.3%
654.41 14.9%
2019 1239.4 10.9%
386.37 15.3% 853.03 9%
1145.14 11.1% 56.79
11% 37.47 3.8% 479.91
46.3% 9276.67 13.7%
1248.97 15% 1428.24
10.4%

2019 4645.48 7.7%
2019 1924 4.3%
19.3% 3.9%
8.2%
14.8% 28.9% 37.4% 70.9%

19.2%

2019 585.3 5.6%

249.9 8.4% 335.4 3.3%

1.98 76.5% 31.21 50.1%

34.78 11% 11.89 16.1%

27.38 25.1% 6.26

72.4% 736 41

177 36

2019 1246.55 14.5%

444.53 7.9 80.54

17% 31.14 58%

49.41 36.1%

2019 2154.11 12.5%

1601.71 13.1%

552.41 10.8%

491.51 11.3

11.38 9.6 49.51

11.8%

2.2.6

2019

2 624 4

18 8010

2158

2019 · 2019

“ / ” “ ”

.

0.5 1998 6

144~207 /

82~156 /

2009

2.3-1

2016

V V

GB/T14848-

H074401002T01
珠江三角洲广州从化
地下水水源涵养区
H054401001Q01
北江广州从化
分散式开发利用区
项目位置

2.4.2

4	1988	2006		
5	2006	2007		
6	2007	2018		
7	2019	2020	( )	
8	2020			

2.5

(2014)

([2019]139) B2

G1

GB36600-2018

2.6

1958

2018 5 9

“

”

2.6.2.5

2003

2003 2008 2008

2008-2018

2018 MLIVE

2.6.2.6

1968 1968 1970

1970

1973 1981 1988

1983

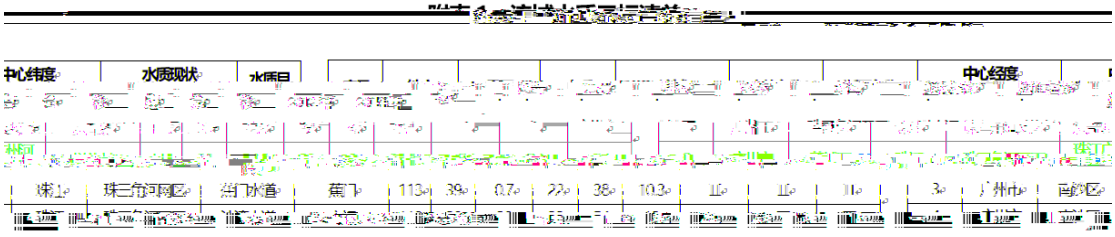
80

2008 2018

2019

2.7

			/
		S	580
		NW	243
	MLIVE	N	210
		NE	360



2.8.2

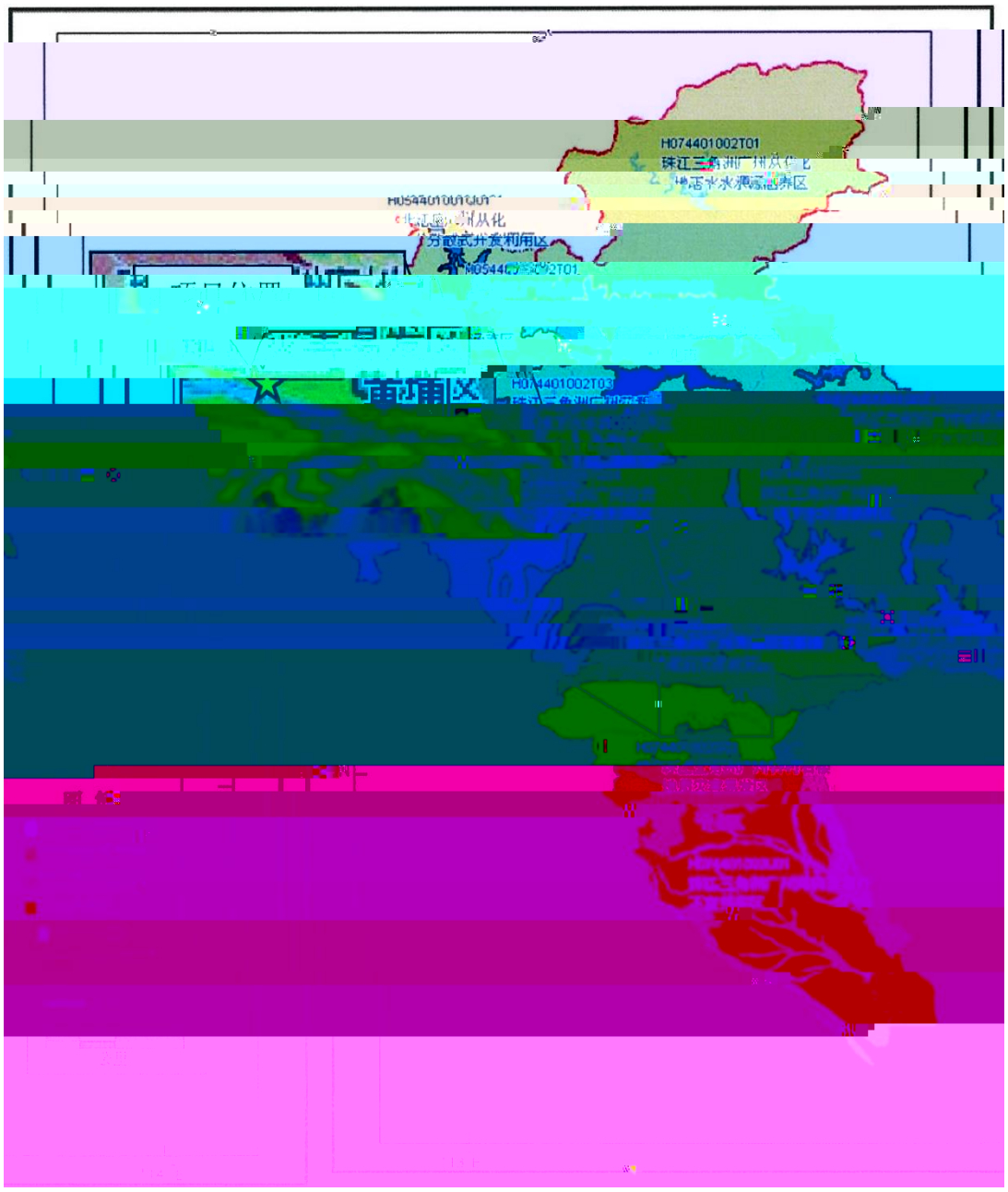
2016

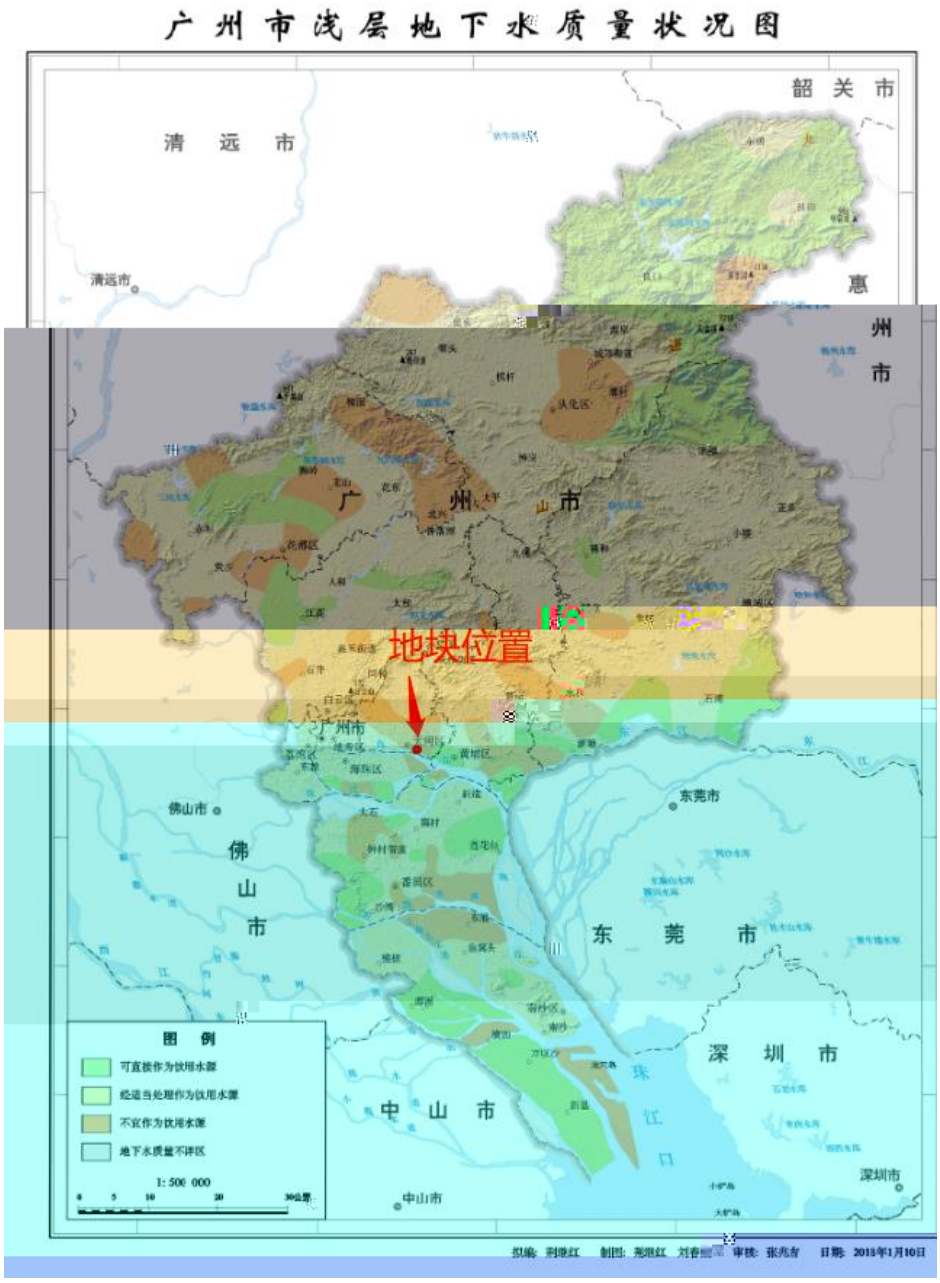
2009

2009

V

V GB/T14848-2017 V


H074401002T01
珠江三角洲广州从化
地质水源涵养区
H074401002T03


广州市浅层地下水质量状况图
韶关市
清远市
惠州市
广州市
地块位置
佛山市
东莞市
深圳市
中山市
图例
可直接作为饮用水源
经适当处理作为饮用水源
不宜作为饮用水源
地下水质量不详区
1:500 000

2.8.3

3.1.2

2018 173

2020 67 HJ 25.1-2019

HJ/T 164-2020 1

DB4401/T 102.1-2020

3

1 DB4401/T

102.1-2020 0.5m

15m

3.2

3.2.1

3.2.1.1

(2014)

([2019]139) B2

G1 GB36600

GB36600-2018

HJ25.3-2019

3.2.1.2

V V

1

DB4401/T 102.1-2020

GB/T14848—2017

GB/T14848-2017

HJ25.3-2019

* (k) µg/L	≤16.1
(a) µg/L	≤0.50

* (a,h) µg/L

4.1.2

4.1.2.1

2018 173

HJ25.2-2019

pH

24 h

2 pH

24h

3

10 cm pH

2h

4.2

1

5%

2

4.2.1

4.2.1.1

25 130

13 pH 6

pH 2.76~11.2

6.944 X5 0.5m T11 5.5m

34.29% 32.70%

pH 2m

	pH		
	5.5	103	32.70%
	5.5~6.5	25	7.94%
	6.5~7.5	34	10.79%
	7.5~8.5	45	14.29%
	8.5	108	34.29%

4.2.1.2

5

0.49~2.55m 10 7

pH 70.00% pH 4.46 20.00%

4.45 mg/L 1.23 10.00% 642 mg/L

0.83 80.00% 2620mg/L

6.49 50.00% 8370μg/L 4.58

10.00% 71.9μg/L 0.44