ĵ X Ϥ غي ص

٨ ص نحج غي

" Ч

غي ص ə Ϥ . E غي ص ĵ X

Ш ƙ ا ٧ ɾ E ″ ′

ص " ٧ ɾ E ٧ Ϥ Ḧ ø ″ ′

٧ ـ ″ ′

┼ E ε R ε' ˚

……
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 .....

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

ˆ Ě

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

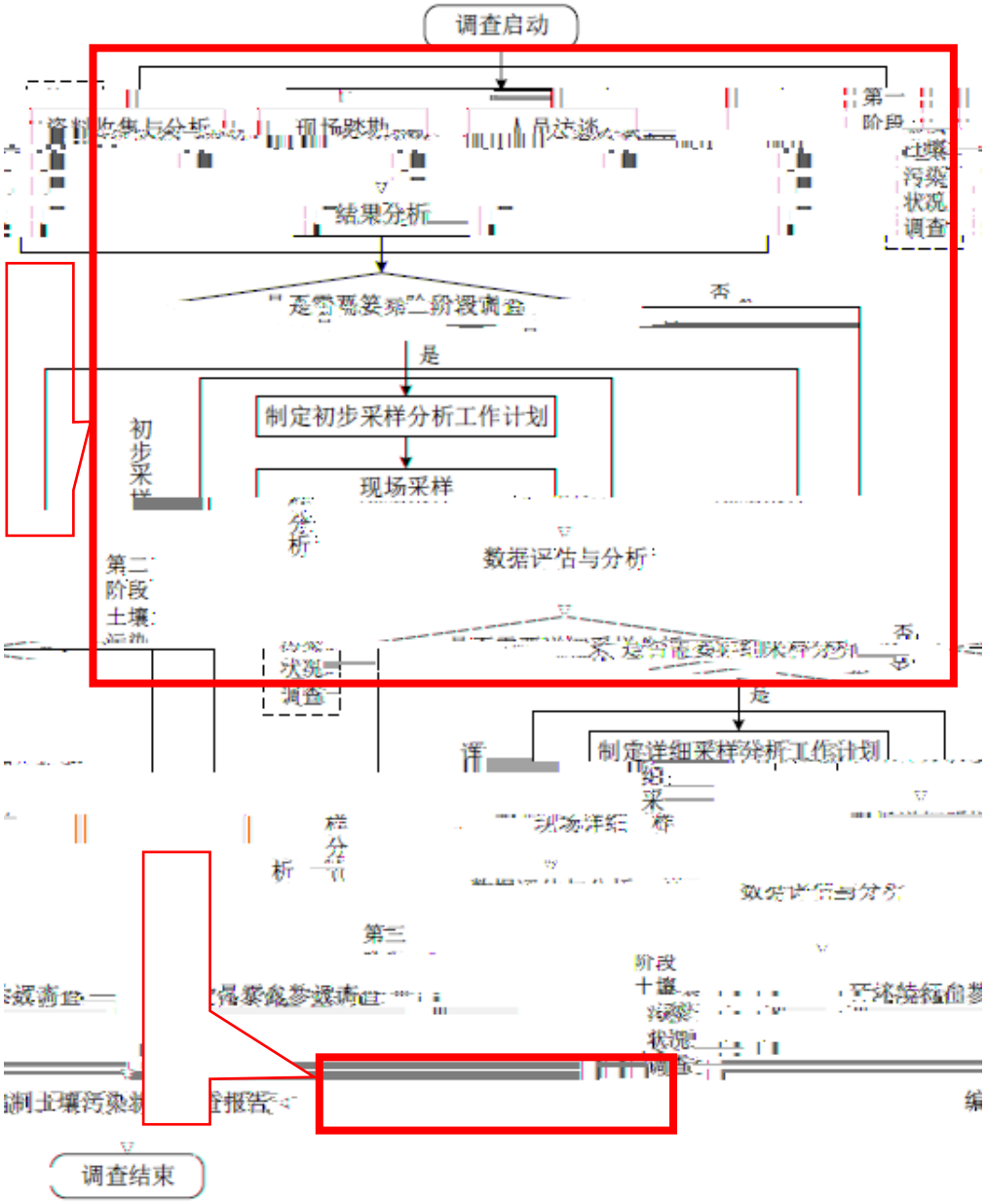
5 AEC

.

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

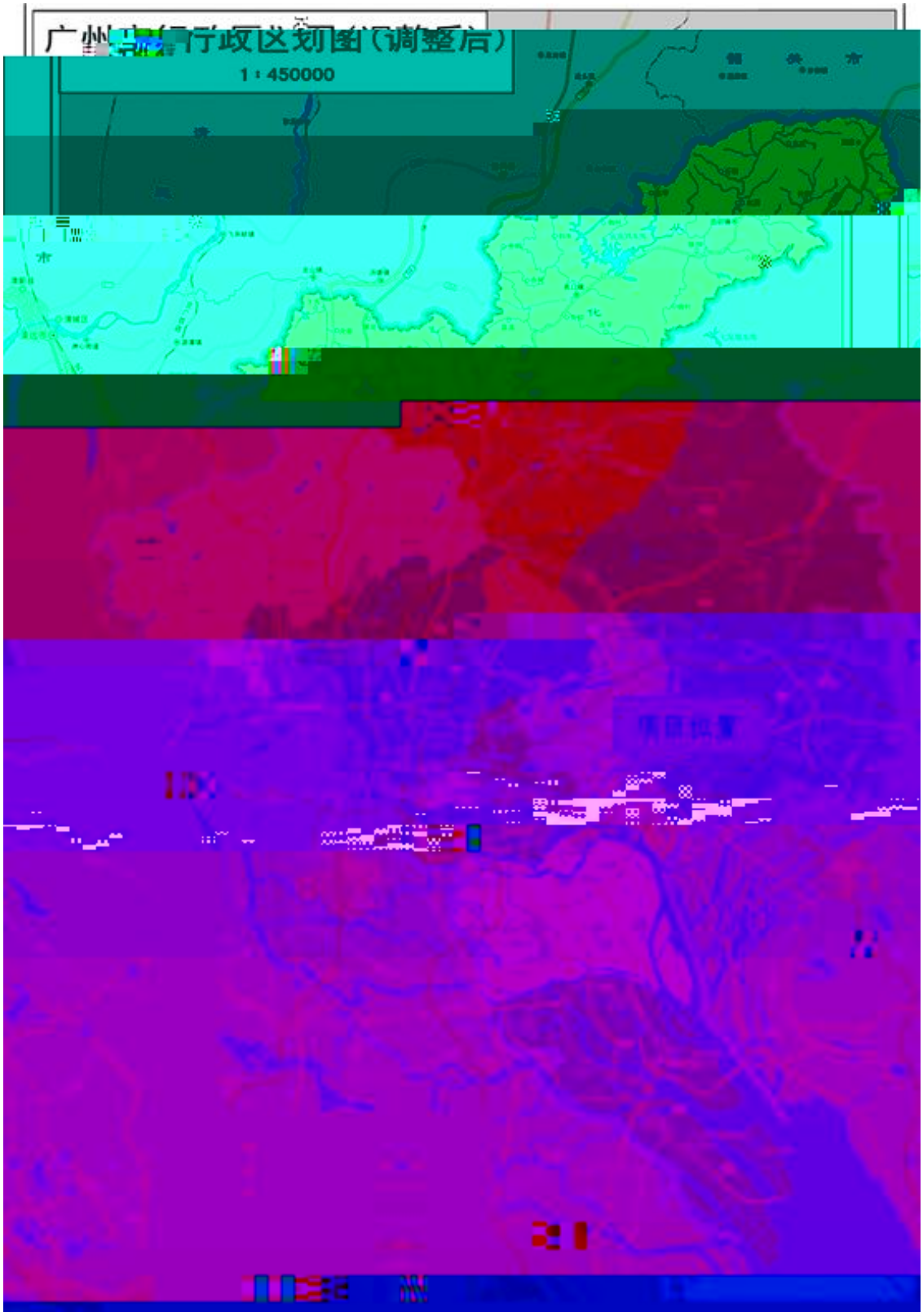
112°57′~114°3′ 22°26′~23°56′

“ ”

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 /

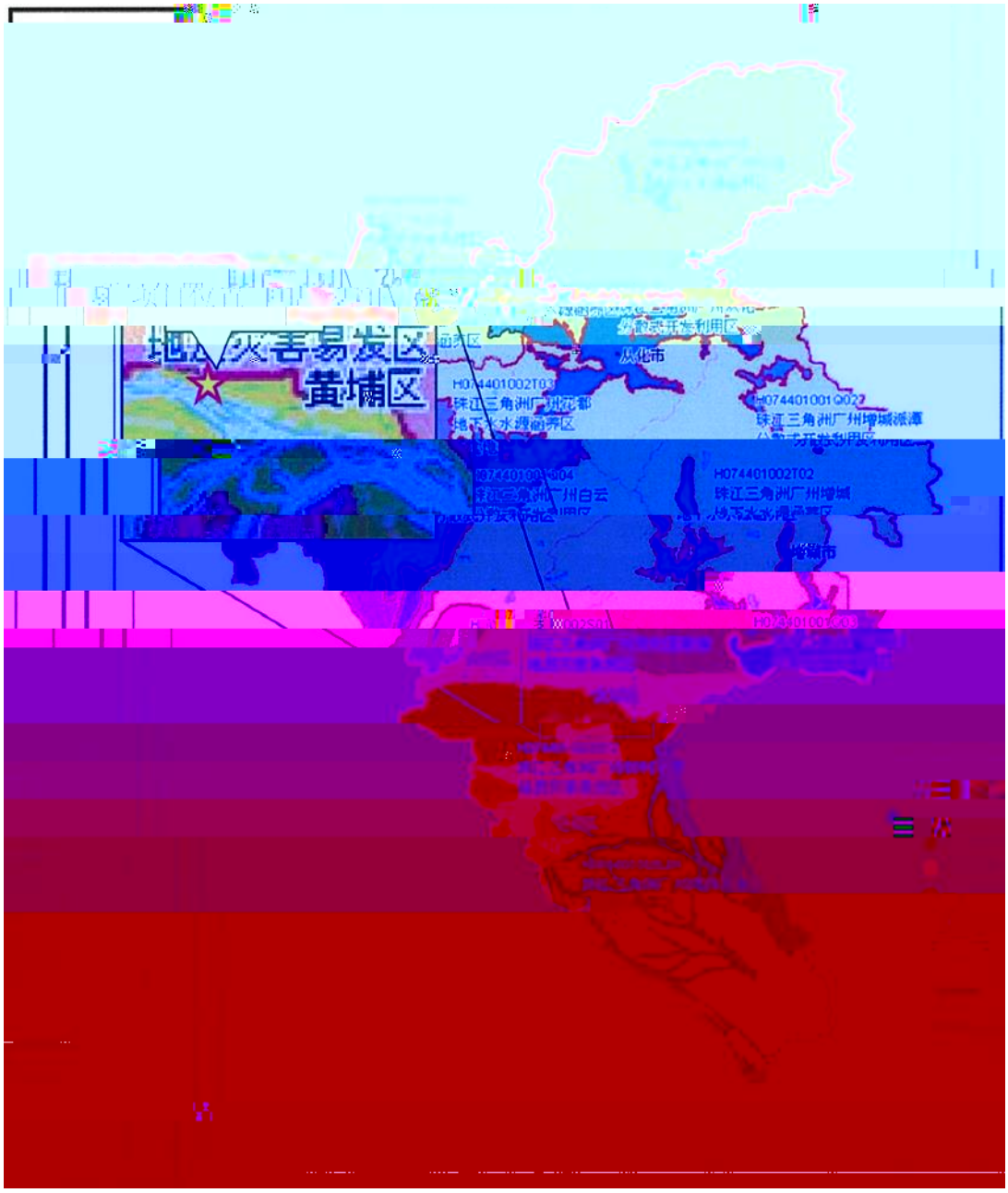
2009

2.3-1

2016

V V

GB/T14848-


地下水易发区
黄埔区
从化市
增城市

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

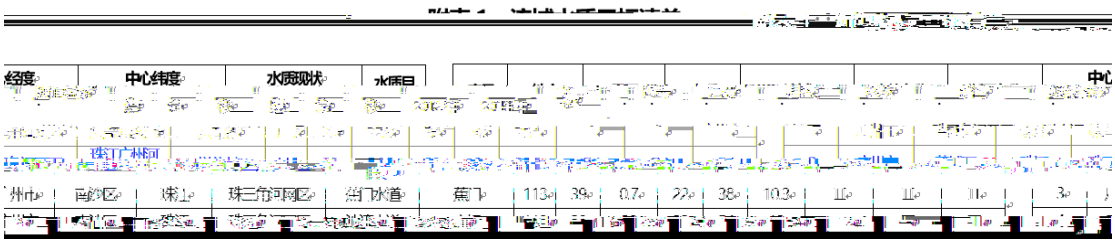
80

2008 2018

2019

2.7

			/
		S	580
		NW	243
	MLIVE	N	210
		NE	360



2.8.2

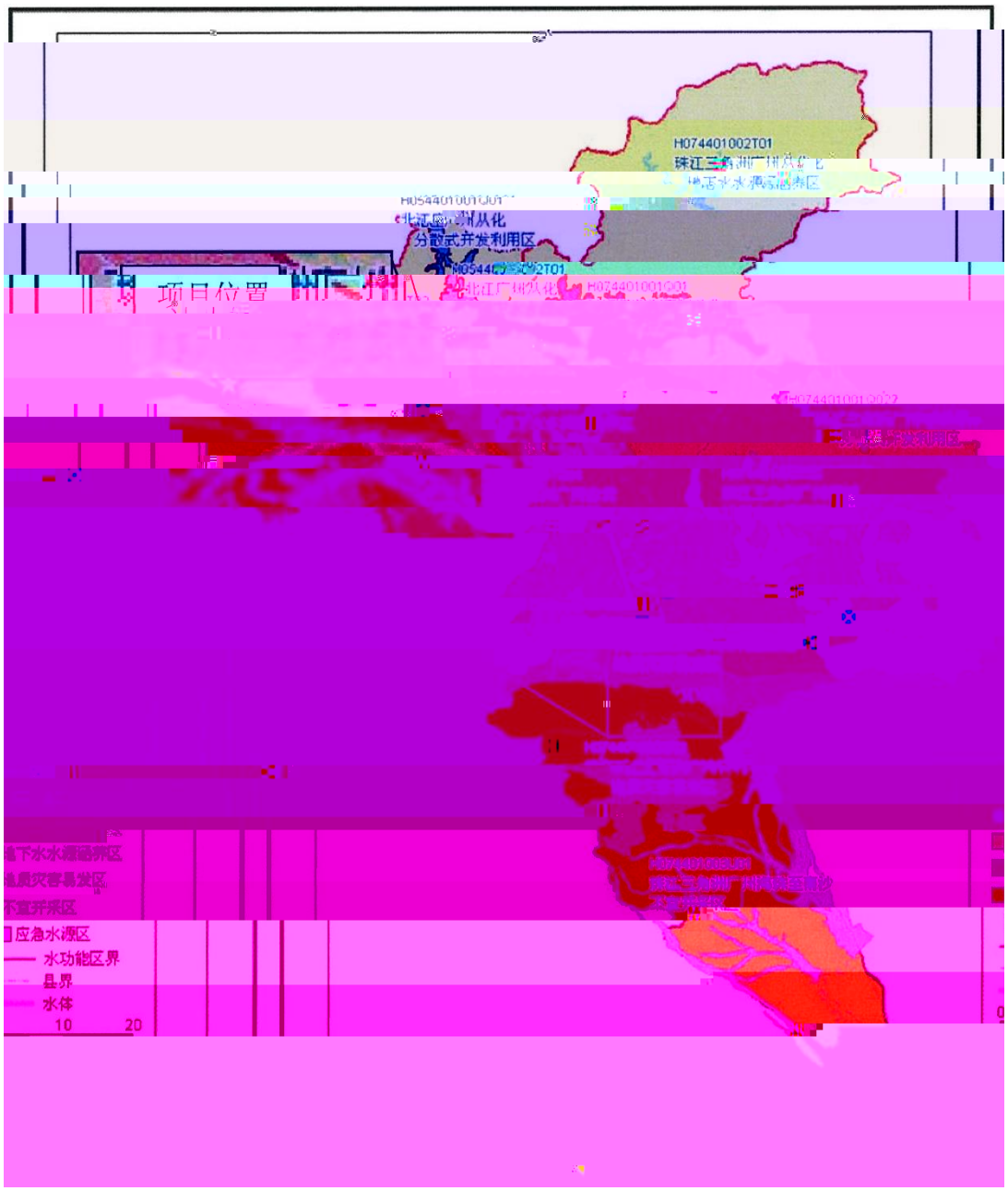
2016

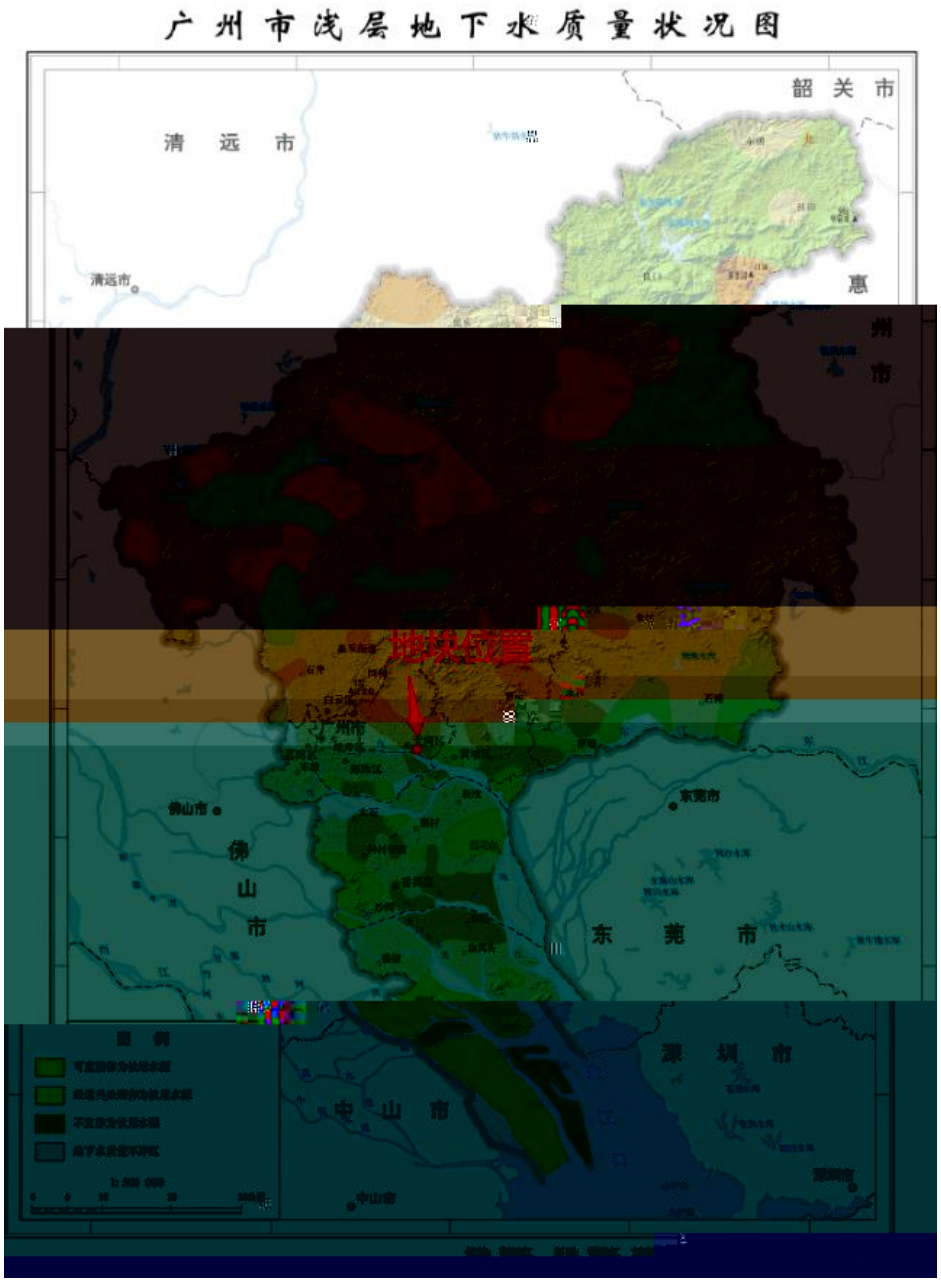
2009

2009

V

V GB/T14848-2017 V


H074401002T01
珠江三角洲广州从化
地质灾害易发区
H074401001Q01
项目位置
H074401001Q02
地下水水源地保护区
地质灾害易发区
不宜开采区
应急水源区
水功能区界
县界
水体
10
20


广州市浅层地下水质量状况图
韶关市
清远市
清远市
惠州市
地块位置
佛山市
佛山市
东莞市
东莞市
深圳市
中山市
中山市

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

4.4Ï54Ł4ú4Ṗ 4.- ■