四平市铁东区 河道管理范围与保护范围划定成果报告

设计说明

**吉林省铭瑞项目管理有限公司**

**二Ο二三年一月**

目 录

[前言 1](#_Toc9873)

[1区域基本情况 2](#_Toc26498)

[1.1流域概况 2](#_Toc25239)

[1.2气象 2](#_Toc13070)

[2 确权划界工作设计情况 3](#_Toc18996)

[2.1河流的基本情况 3](#_Toc16918)

[2.1.1条子河（北河） 3](#_Toc23969)

[2.1.2南条子河（四平南河） 4](#_Toc4062)

[2.1.3叶赫河 5](#_Toc32575)

[2.1.4山门河 5](#_Toc8388)

[2.1.5虫王河 6](#_Toc10091)

[2.1.6龙王河 6](#_Toc25412)

[2.1.7下二台子河 7](#_Toc19452)

[2.1.8英城子河 7](#_Toc23037)

[2.1.9云盘沟河 8](#_Toc16561)

[2.1.10石岭河 8](#_Toc24289)

[2.1.11龙吟河（耿老河） 9](#_Toc16411)

[2.1.12塔子沟河 1](#_Toc4352)0

[2.1.13东辽河左岸 1](#_Toc2245)0

2.1.14 二道沟河.....................................................................11

2.1.15大洼子河..............................................................................11

2.1.16 砬子沟河.....................................................................11

2.1.17 卧龙泉.........................................................................12

2. 1. 18仙马泉..........................................................................13

[2.2河流的确权划界设计 1](#_Toc18827)3

[2.2.1确权划界依据 1](#_Toc6311)4

[2.2.2确权划界标准 1](#_Toc6653)5

[2.2.3技术方案 1](#_Toc8488)6

[2.2.4设计计算 1](#_Toc9364)7

[3 确权划界中存在的主要问题和困难 1](#_Toc24633)9

[4 意见及建议 2](#_Toc27002)0

**5桩号坐标表**............................................................................21

[2.1.1条子河（北河） 2](#_Toc23969)1

[2.1.2南条子河（四平南河） 2](#_Toc4062)4

[2.1.3叶赫河 2](#_Toc32575)6

[2.1.4山门河 2](#_Toc8388)9

[2.1.5虫王河 3](#_Toc10091)2

[2.1.6龙王河 3](#_Toc25412)5

[2.1.7下二台子河 3](#_Toc19452)7

[2.1.8英城子河 3](#_Toc23037)9

[2.1.9云盘沟河 4](#_Toc16561)1

[2.1.10石岭河 4](#_Toc24289)4

[2.1.11龙吟河（耿老河） 4](#_Toc16411)6

[2.1.12塔子沟河 4](#_Toc4352)8

[2.1.13东辽河左岸 5](#_Toc2245)1

2.1.14 二道沟河.....................................................................53

2.1.15 大洼子河.....................................................................55

2.1.16 砬子沟河.....................................................................58

2.1.17 卧龙泉.........................................................................61

2. 1. 18仙马泉..........................................................................63

**附图：**（1）铁东区辖区18条河道确权划界总体布置图

（1-4）条子河（北河）保护与管理范围确权划界图

（5-7）南条子河保护与管理范围确权划界图

（8-16）叶赫河保护与管理范围确权划界图

（17-18）山门河保护与管理范围确权划界图

（19-21）虫王河保护与管理范围确权划界图

（22-23）龙王河保护与管理范围确权划界图

（24-25）下二台河保护与管理范围确权划界图

（26-27）英城子河保护与管理范围确权划界图

（28-29）云盘沟河保护与管理范围确权划界图

（30-32）石岭河保护与管理范围确权划界图

（33-34）龙吟河保护与管理范围确权划界图

（35-36）塔子沟河保护与管理范围确权划界图

（37）东辽河保护与管理范围确权划界图

（38）二道沟河保护与管理范围确权划界图

（39-40）大洼子河保护与管理范围确权划界图

（41-42）砬子沟河保护与管理范围确权划界图

（43）卧龙泉保护与管理范围确权划界图

(44-45)仙马泉保护与管理范围确权划界图

**前言**

为贯彻落实省委、省政府决策部署，特别是2018年省级总河长会议精神，依法加强河道管理，合理确定河道边界，明确河道管理范围边线和责任边线，科学划定生态红线，为设计洪水预留下泄通道、给河流生态空间综合治理奠定基础、为河流水源岸线管理提供保障。根据景俊海省长在召开东辽河污染综合治理专题会议关于组织对辽河流域情况进行调查的指示，以及市政府相关要求，铁东区政府在4月底积极组织设计部门，协调各乡、镇及相关部门对铁东区流域面积在20km²以上河流河道进行测量和管理范围划定，在5月20日之前，已完成流域面积20km²以上河流的测量、边界确认工作。

根据四平市人民政府办公室《关于做好退耕还河工作的紧急通知》（四政办发〔2018〕15号）文件要求，我公司结合工程实际情况，对照调查范围及内容，对铁东区所辖河道确权划界情况进行设计调研，为提供科学详实的论证打下了基础。

**1区域基本情况**

## 1.1流域概况

四平市区位于吉林省南部，东北平原的中部，地处东经124°16′33"～124°34′32"，北纬42°57′14"～43°15′15"。地势东南高，西北低。东部为低山丘陵，中部和西部为波状平原与平原，平原中耕地占61.8%。

## 1.2气象

四平市属于北温带大陆性气候，四季分明，春季干旱多大风，夏季炎热多雨，秋季晴冷温差大，冬季受西伯利亚寒流影响，气候严寒。年内温差悬殊，平均气温相差38.4℃，极端气温相差71.2℃。多年平均气温5.9℃，最低平均气温-14.8℃出现在一月份，最高平均气温23.6℃出现在七月份，极端高气温36.6℃，极端低气温-34.6℃。

多年平均降雨量659.4mm，最大年降雨量1008mm，最小年降雨量404mm，降雨年内分布不均，6～9月降雨占年降雨75%。多年平均水面蒸发813mm，最大841mm，最小583mm(601蒸发皿)。

多年平均相对湿度65～80%；平均日照2721h，日照率61%；平均无霜期140d左右；最大冻土深度1.50m，冰层厚度0.8m；春秋多大风，主要风向SSW、SW，最大风速35m/s。

**2 确权划界工作设计情况**

经过设计人员查阅资料、现场勘测和数据收集分析等工作，根据（四政办发[2018]15号）文件要求，铁东区辖区内有18条河流达到文件要求，分别是：条子河（北河）、南条子河（四平南河）、叶赫河、山门河、虫王河、龙王河、下二台子河、英城子河、云盘沟河、石岭河、龙吟河（耿老河）、塔子沟河、东辽河左岸、二道沟河、大洼子河、砬子沟河、卧龙泉、仙马泉。

## 2.1河流的基本情况

### 2.1.1**条子河（北河）**

条子河是招苏台河左侧支流，原名红咀河，又称北河。条子河发源于梨树县石岭镇郭家村兰家沟，由东南向西北流，在西磨盘沟注入下三台水库（中型），由东南向西北流，在下三台村于长平高速公路之间纳入放牛沟河；在四平铁东区长发乡河夹信子村，纳入左侧支流塔子沟河；穿过京哈铁路于铁西区原条子河乡红咀子村纳入左侧支流南条子河（四平南河）；流至大房身乡杨雄河口屯纳入右侧支流仙马泉河；在喇嘛甸镇胡家村出境入辽宁省，于昌图县曲家店西汇入招苏台河。

条子河（北河）流域面积127.2km²，铁东辖区确权化界河道全长23.972km。下三台水库上游入库段10.346km（桩号TBS0+000-10+346），未整治；下三台水库出口至京哈铁路段13.626km（桩号TBX0+000-13+626），已整治。河道流域面积及流量详见表2-1：

**条子河（北河）流量表** 表2-1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km2） | Q(m3/s) | | | |
| P=1% | P=2% | P=5% | P=10% |
| 放牛沟以上 | 3.3 | 100 | 100 | 100 | 10.8 |
| 塔子沟河以上 | 22.6 | 244 | 211 | 158 | 39 |
| 北大桥 | 101.3 | 440 | 376 | 232 | 154 |

### 2.1.2南**条子河（四平南河）**

南条子河为条子河左岸较大支流，发源于铁东区石岭镇贾家沟，由东南向西北流，在铁西区红嘴子村汇入条子河。上游建有塔山水库（小1型），左岸有林场河汇入。四平南河与条子河干流直穿四平市区，为四平市区的主要河流。四平南河流域面积89.08km²，铁东辖区确权化界河道全长16.883km，坡降3.37‰，其中：塔山水库上游入库段5.505km（桩号TNS0+000-5+505），未整治；塔山水库出口至六孔桥段11.378km（桩号TNX0+000-11+378），其中：六孔桥上游8.3km已整治（桩号TNX3+078-11+378），塔山水库出口至六孔桥3.078km未整治（桩号TNX0+000-3+078）。河道流域面积及流量详见表2-2：

**南条子河流量表**  表2-2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km²） | Q(m³/s) | | | |
| P=1% | P=2% | P=5% | P=10% |
| 塔山水库以上 | 12 |  |  | 94 | 64 |
| 高速 | 5.0 | 66 | 50 | 28 | 19 |
| 老环城公路桥 | 19.00 | 142 | 109 | 59 | 40 |
| 六孔桥 | 48.00 | 229 | 184 | 133 | 89 |

### 2.1.3**叶赫河**

叶赫河是辽河支流清河的二级支流，原名克里苏河，发源于铁东区石岭镇十里堡村，出源后沿石岭镇至叶赫镇县级公路左侧西南流，后注入转山湖水库（中型）。于叶赫镇新立村西流入辽宁省西丰县，在转山湖出口端3.227km处有云盘沟河纳入。叶赫河在铁东辖区，确权化界河道总长度33.649km，平均坡降0.33％，流域面积297km²。其中：转山湖水库上游入库段14.120km（桩号YHS0+000-14+120），转山湖水库出口段19.529km（桩号YHX0+000-19+529）。均未整治。河道流域面积及流量详见表2-3：

**叶赫河流量**  表2-3

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 断面 | 流域面积  （km2） | P=5％ | | | P=10％ | | |
| 区间 | 水库泄量 | 合计 | 区间 | 水库泄量 | 合计 |
| 东升河以上 | 29.8 | 84.7 | 0 | 84.7 | 54.2 | 0 | 54.2 |
| 入库 | 58.7 | 133.4 | 0 | 133.4 | 85.4 | 0 | 85.4 |
| 双合 | 6.6 | 34.5 | 275 | 309.5 | 21.8 | 50 | 71.8 |
| 叶赫镇下游 | 63.4 | 173.2 | 275 | 448.2 | 110.4 | 50 | 160.4 |
| 谢家园子 | 104.9 | 248.3 | 275 | 523.3 | 158.6 | 50 | 208.6 |
| 板仓子 | 165.5 | 343.0 | 275 | 618.0 | 220.2 | 50 | 270.2 |
| 红花甸 | 206.5 | 402.4 | 275 | 677.4 | 258.3 | 50 | 308.3 |
| 出境 | 246.0 | 457.5 | 275 | 732.5 | 293.0 | 50 | 343.0 |

### 2.1.4**山门河**

山门河为招苏太河水系二道河支流，河道中部为山门水库（中型）。流域为低山区，山地土质覆盖层较浅，植被较好。流域面积74km2，在铁东辖区，确权化界河道总长度12.325km，河道底坡7.65‰。其中：山门水库上游入库段7.826km（桩号SMS0+000-7+826），山门水库出口段4.499km（桩号SMX0+000-4+499）。均未整治。河道流域面积及流量详见表2-4：

**山门河流量（不含山门水库）** 表2-4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km²） | Q(m³/s) | | |
| P=5% | P=10% | P=20% |
| 出境 | 12.4 | 64.6 | 41.2 | 21.6 |

### 2.1.5**虫王河**

虫王河为山门河源头之一，流域面积24.8km2，在铁东辖区，确权化界河道总长度6.481km（桩号CW0+000-6+481）。未整治。河道流域面积及流量详见表2-5：

**虫王河流量表** 表2-5

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km²） | Q(m³/s) | | |
| P=5% | P=10% | P=20% |
| 卡口1（靠山村） | 12.8 | 55.9 | 35.7 | 18.7 |
| 入河口 | 24.8 | 87.1 | 55.6 | 29.2 |

### 2.1.6**龙王河**

龙王河为山门河源头之一，流域面积40.9km2，在铁东辖区，确权化界河道总长度5.515km，上游建有龙王水库(小2型)水库。其中：龙王水库上游入库段0.286km(桩号LWS0+000-0+286)，龙王水库出口段5.229km(桩号LWX0+000-5+229)。均未整治。河道流域面积及流量详见表2-6：

**龙王河流量表** 表2-6

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km2） | Q(m3/s) | | |
| P=5% | P=10% | P=20% |
| 卡口1（龙王村） | 17.8 | 82.3 | 52.5 | 27.5 |
| 入河口 | 40.9 | 143.7 | 91.7 | 48.1 |

### 2.1.7**下二台子河**

下二台子河该河为四平与辽宁省昌图县界河，发源于山门镇靠道子乡大张家屯，在铁东辖区，确权化界河道总长度10.216km（桩号XT0+000-10+216），流域面积70.9km2 ，市区境内35km2 ，经上二台后注入二道河。未整治。河道流域面积及流量详见表2-7：

**下二台河河流量表** 表2-7

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km²） | Q(m³/s) | | |
| P=5% | P=10% | P=20% |
| 卡口1（龙王庙） | 15.5 | 56.9 | 37.5 | 22.4 |
| 卡口2（柳树屯） | 28.3 | 85.4 | 56.1 | 33.5 |
| 出境 | 64.9 | 148.6 | 97.9 | 58.4 |

### 2.1.8**英城子河**

英城子河发源于四平山门镇新立村周家沟，在铁东辖区，确权化界河道总长度7.616km（桩号YC0+000-7+616），流域面积23.3km2，流经山门镇英城子村后，进入辽宁省昌图县牤牛镇注入二道河（招苏台河支流）。未整治。河道流域面积及流量详见表2-8：

**英城子河流量表**  表2-8

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km²） | Q(m³/s) | | |
| P=5% | P=10% | P=20% |
| 卡口1（新兴村） | 10.2 | 49.0 | 32.7 | 19.8 |
| 出境 | 23.3 | 85.2 | 56.9 | 34.4 |

### 2.1.9**云盘沟河**

云盘沟河为叶赫河右岸较大支流，发源于云盘村，35.4km2，在铁东辖区，确权化界河道总长度17.128km（桩号YP0+000-17+128），最后注入叶赫河。未整治。河道流域面积及流量详见表2-9：

**云盘沟河流量**  表2-9

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km²） | Q(m³/s) | | |
| P=5% | P=10% | P=20% |
| 卡口1（卧龙屯） | 20.3 | 68.2 | 44.9 | 26.8 |
| 卡口2（小山合） | 31.1 | 88.8 | 58.5 | 34.9 |
| 入河口 | 35.4 | 99.0 | 65.2 | 38.9 |

### 2.1.10**石岭河**

位于四平市铁东辖区确权划界的石岭河全长18.24km（桩号SL0+000-18+240），源头是从云盘沟1社（腰岭子），东山屯(穿心店)村部2、3社，石岭村（1、2、3社）西王家屯，石河村4、1、2社（镇内），排污口5个（镇内），终点姜家洼子村天德大桥，在石岭镇污水处理厂（桥上面）进入辽宁境内。河道未治理。河道流域面积及流量详见表2-10：

**石岭河流量**  表2-10

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km2） | Q(m3/s) | | |
| P=5% | P=10% | P=20% |
| 卡口1（东山站） | 6.8 | 37.2 | 23.6 | 12.2 |
| 卡口2（石岭村） | 14.9 | 62.9 | 40.0 | 20.7 |
| 石岭镇上游 | 23.7 | 85.9 | 54.6 | 28.2 |
| 石岭镇下游 | 32.2 | 107.0 | 68.1 | 35.2 |
| 出境 | 47.0 | 137.8 | 87.7 | 45.3 |

### **2.1.11龙吟河（耿老河）**

位于四平市铁东辖区确权划界的龙吟河（耿老河）源头为梨树沟村（梨树沟屯1屯）（第1条）河流总长度17.75km（桩号LY0+000-17+750），流经2队孙家屯、（第2条）流经3、4雷家屯；耿老村4队西耿家、3队东耿家、6队孔家沟、5、8队腰岭子、7队（新立屯）；耿老村2队蛮达户、；佘家村流经佘家沟1、2队、5队张家屯、6队土门子、3队后黄家、4队前黄家、；赵家沟村流经4队高台子、5队徐厢屯、6队二齿沟；二龙村流经4屯南洼屯，终点东辽河。河道未治理。河道流域面积及流量详见表2-11：

**龙吟河（耿老河）流量**  表2-11

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km2） | Q(m3/s) | | |
| P=5% | P=10% | P=20% |
| 卡口1（孙家屯） | 11.6 | 56.0 | 35.6 | 18.6 |
| 卡口2（东耿屯） | 25.0 | 93.6 | 59.5 | 31.1 |
| 卡口3（张家屯） | 44.4 | 137.5 | 87.4 | 45.7 |
| 卡口4（二尺沟） | 63.2 | 174.2 | 110.8 | 57.9 |
| 河口 | 71.3 | 188.9 | 120.1 | 62.8 |

**2.1.12塔子沟河**

铁东辖区塔子沟河源头为哈福村1社南沟，流经龙湖区石岭子镇塔子沟村、哈福村和经开区河夹信子村后汇入条子河。境内流域面积62.8km²，确权划界河长20.1km（桩号TG0+000-20+100）。沿303线流经哈福村1社莫家屯、2社卧龙泉屯、3社大刘家屯、4社二里半屯、5社小刘家屯;塔子沟村3社小岭屯、7社小河西屯、8社大河东屯、6社小河东屯、5社腰窝棚屯、4社西大域屯、2社和1社边沿屯，在环城一级公路桥进入四平市经济开发区境内。河道未治理。河道流域面积及流量详见表2-12：

**塔子沟河流量**  表2-12

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km2） | Q(m3/s) | | |
| P=5% | P=10% | P=20% |
| 卡口1（卧龙泉） | 3.8 | 33.6 | 23.8 | 15.4 |
| 卡口2（刘家屯） | 14.9 | 83.9 | 59.3 | 38.5 |
| 卡口3（郝家沟） | 29.9 | 133.7 | 94.6 | 61.4 |
| 引临工程 | 42.0 | 167.9 | 118.8 | 77.1 |
| 龙湖区境内 | 51.1 | 191.5 | 135.5 | 87.9 |

**2.1.13东辽河左岸**

位于铁东辖区确权划界的东辽河左岸长3.356km（桩号DL0+000-3+356），东辽河仅涉及左侧岸线，其设省级河长，划界宽度由吉林省水利水电设计院制定，界线采用省院划定成果。河道未整治。

**2.1.14二道沟河**

铁东辖区二道沟河源头为山门水库，流经东砬子，头道沟而后出界。境内流域面积91.1km²，确权划界河长4.449km（桩号ED0+000-4+449），由山门水库流出途径东砬子，头道村。河道均未整治。河道流域面积及流量详见表2-13

二道沟河流量 表2-13

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km2） | Q(m3/s) | | |
| P=5% | P=10% | P=20% |
| 二道沟河 | 91.1 | 245.84 | 185 | 122.1 |

**2.1.15大洼子河**

铁东辖区大洼子河为南条子河支流，流经房身二社，广发裕，合力六社，大洼子村。境内流域面积20.8km²。确权划界长8.498km（桩号DW0+000-8+498），由南条子河流出途径房身二社，广发裕，平东一社，南四家子，经过京哈高速，最后到达大洼子村截止。河道均未整治。河道流域面积及流量详见表2-14

大洼子河流量 表2-14

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km2） | Q(m3/s) | | |
| P=5% | P=10% | P=20% |
| 大洼子河 | 30.48 | 114.72 | 84.93 | 56.98 |

### 2.1.16砬子沟河

铁东辖区砬子沟河为叶赫河支流，流经砬子沟村，榆树屯，绥靖屯，骏业屯，世昌村。境内流域面积30.48km²，确权划界长10.992km（桩号JY0+000-10+992），由叶赫河流出途径砬子沟村，绥靖屯，骏业村，世昌村，东岭屯。截止。河道均未整治。河道流域面积及流量详见表2-15

砬子沟河流量 表2-15

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km2） | Q(m3/s) | | |
| P=5% | P=10% | P=20% |
| 砬子沟河 | 20.8 | 87.8 | 65 | 43.6 |

### 2.1.17卧龙泉

铁东辖区卧龙泉，流经卧龙泉，境内流域3.2km²，确权划界长度1.667km（桩号WL0+000-1+667），河道均未整治，河道流域面积及流量详见表2-16

卧龙泉流量 表2-16

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km2） | Q(m3/s) | | |
| P=5% | P=10% | P=20% |
| 卧龙泉 | 3.2km | 23.68 | 17.53 | 11.76 |

### 2.1.18仙马泉

铁东辖区仙马泉，流经仙马泉，小塔五队，庞家堡子，东仙马泉。境内流域7.540km（桩号XMQ0+000-7+540）,河道均为整治，河道流域面积及流量详见表2-17

仙马泉 表2-17

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 河流名称 | 流域面积  （km2） | Q(m3/s) | | |
| P=5% | P=10% | P=20% |
| 仙马泉 | 7.540 | 24.9 | 14.2 | 11.5 |

## 2.2河流的确权划界设计

铁东区所辖的18条河流目前无河道确权。

### 2.2.1确权划界依据

（1）《中华人民共和国水法》

（2）《中华人民共和国河道管理条例》

（3）《吉林省河道管理条例》

（4）流域防洪规划、城市防洪规划、河道整治规划的。

### 2.2.2确权划界标准

（1）河道1:2000带状地形图测量；

（2）带状地形图上标出四线，即岸线、堤线、管理线和保护线。

### 2.2.3技术方案

平面控制采用西安80坐标系，高斯投影3度带。高程采用1985年国家高程基准。

### 2.2.4设计计算

**2.2.4.1河道管理范围确权划界依据及范围**

1. 有堤防的河道：至两岸堤防之间的水域、沙洲、滩地、行洪区和堤防及护堤地；根据《吉林省河道管理条例》第二十一条，主要江河堤防迎水面30m至50m，背水面5m至15m；其他河流堤防迎水面15m至30m，背水面5m至10m。
2. 无堤防的河道：其管理范围为历史最高洪水位或者设计洪水位之间的水域、沙洲、滩地和行洪区。

**2.2.4.2河道保护范围确权划界依据及范围**

堤防工程背水侧保护范围50m至100m，迎水面保护范围应结合河道管理需要及工程实际情况，按照国家及地方的相关管理规定确定。

**2.2.4.3河道宽度计算**

计算采用天然河道水面曲线计算程序，计算原理为伯努利能量方程，采用试算法。

伯努利能量方程为：

Z上+

式中: Z上、Z下—— 上、下断面水位

V上、V下—— 上、下断面流速(m/s)

Q—— 河段流量(m3/s)

△s—— 上、下断面间距(m)

α—— 动能校正系数; 取α=1.0

——河段平均流量模数，

取

ζ—— 河段平均局部水头损失系数

g—— 重力加速度

另 K上= K下=

n —— 河段糙率

A —— 过水面积(m2)

R —— 水力半径(m)

本次设计对现状河道按照各河道的洪水设计标准推求水面线，横断面选用实测横断面。现状河道以主河道行洪为主，根据河道现状植物覆盖程度，合理选用糙率，过桥损失按局部损失公式计算。

现状河道水面线及对应水面宽度见表2-13。

**现状河道水面线及对应水面宽度** 表2-13

| 序号 | 河道  名称 | 卡口流量 | 设计洪水标准 | 设计洪水流量  （m3/s） | 对应水面宽度  （m） | 设计洪水标准 | 设计洪水流量m3/s | 对应水面宽度（m） |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 叶赫河 | 东升河以上 | P=5% | 84.7 | 18 | P=10% | 54.2 | 16 |
| 入库 | P=5% | 133.4 | 23 | P=10% | 85.4 | 21 |
| 双合 | P=5% | 309.5 | 66 | P=10% | 71.8 | 62 |
| 叶赫镇下游 | P=5% | 448.2 | 88 | P=10% | 160.4 | 84 |
| 谢家园子 | P=5% | 523.3 | 89 | P=10% | 208.6 | 85 |
| 板仓子 | P=5% | 618 | 97 | P=10% | 270.2 | 91 |
| 红花甸 | P=5% | 677.4 | 89 | P=10% | 308.3 | 85 |
| 出境 | P=5% | 732.5 | 93 | P=10% | 343 | 88 |
| 2 | 云盘沟河 | 卡口1(卧龙屯) | P=5% | 68.2 | 16 | P=10% | 44.9 | 14 |
| 卡口2(小山合) | P=5% | 88.8 | 18 | P=10% | 58.5 | 17 |
| 入河口 | P=5% | 99 | 22 | P=10% | 65.2 | 21 |
| 3 | 英城子河 | 卡口1(新兴村) | P=5% | 49 | 14 | P=10% | 32.7 | 12 |
| 出境 | P=5% | 85.2 | 21 | P=10% | 56.9 | 20 |
| 4 | 下二台子河 | 卡口1(龙王庙) | P=5% | 56.9 | 14 | P=10% | 37.5 | 13 |
| 卡口2(柳树屯) | P=5% | 85.4 | 18 | P=10% | 56.1 | 16 |
| 出境 | P=5% | 148.6 | 25 | P=10% | 97.9 | 23 |
| 5 | 山门河 | 出境 | P=5% | 64.6 | 18 | P=10% | 41.2 | 16 |
| 6 | 龙王河 | 卡口1(龙王村) | P=5% | 82.3 | 13 | P=10% | 52.5 | 12 |
| 入河口 | P=5% | 143.7 | 16 | P=10% | 91.7 | 14 |
| 7 | 虫王河 | 卡口1(靠山村) | P=5% | 55.9 | 13 | P=10% | 35.7 | 12 |
| 入河口 | P=5% | 87.1 | 19 | P=10% | 55.6 | 17 |
| 8 | 条子河 | 放牛沟以上 | P=5% | 100 | 50 | P=5% | 100 | 50 |
| 塔子沟河以上 | P=5% | 158 | 以整治后河道宽度为准 | P=5% | 158 | 以整治 |
| 北大桥 | P=1% | 440 | P=1% | 440 |
| 北河以上 | P=1% | 481 | P=1% | 481 |
| 仙马泉入河口 | P=10% | 300 | P=10% | 300 |
| 9 | 南条子河 | 塔山水库以上 | P=5% | 94 | 50 | P=5% | 94 | 50 |
| 高速 | P=5% | 28 | 以整治后河道宽度为准 | P=5% | 28 | 以整治后河道宽度为准 |
| 老环城公路桥 | P=1% | 142 | P=1% | 142 |
| 六孔桥 | P=1% | 229 | P=1% | 229 |
| 入河口 | P=5% | 191 | P=5% | 191 |
| 10 | 石岭河 | 卡口1(东山站) | P=5% | 37.2 | 15 | P=10% | 23.6 | 12 |
| 卡口2(石岭村) | P=5% | 62.9 | 25 | P=10% | 40.0 | 20 |
| 石岭镇上游 | P=5% | 85.9 | 30 | P=10% | 54.6 | 25 |
| 石岭镇下游 | P=5% | 107.0 | 40 | P=10% | 68.1 | 28 |
| 出境 | P=5% | 137.8 | 60 | P=10% | 87.7 | 40 |
| 11 | 龙吟河(耿老河) | 卡口1(孙家屯) | P=5% | 56.0 | 15 | P=10% | 35.6 | 12 |
| 卡口2(东耿屯) | P=5% | 93.6 | 20 | P=10% | 59.5 | 15 |
| 卡口3(张家屯) | P=5% | 137.5 | 25 | P=10% | 87.4 | 20 |
| 卡口4(二尺沟) | P=5% | 174.2 | 30 | P=10% | 110.8 | 25 |
| 河口 | P=5% | 188.9 | 40 | P=10% | 120.1 | 25 |
| 12 | 塔子沟河 | 卡口1(卧龙泉) | P=5% | 33.6 | 15 | P=10% | 23.8 | 12 |
| 卡口2(刘家屯) | P=5% | 83.9 | 20 | P=10% | 59.3 | 18 |
| 卡口3(郝家沟) | P=5% | 133.7 | 30 | P=10% | 94.6 | 20 |
| 引临工程 | P=5% | 167.9 | 40 | P=10% | 118.8 | 25 |
| 龙湖区境内 | P=5% | 191.5 | 60~140 | P=10% | 135.5 | 300~100 |
| 13 | 大洼子河 | 房身二社 | P=5% | 245.84 | 40~100 | P=10% | 185 | 12 |
| 14 | 二道沟河 | 东砬子村 | P=5% | 87.8 | 50~200 | P=10% | 65 | 12 |
| 15 | 卧龙泉 | 卧龙泉 | P=5% | 114.72 | 1~2 | P=10% | 84.93 | 2 |
| 16 | 砬子沟河 | 砬子沟村 | P=5% | 23.68 | 60~150 | P=10% | 17.53 | 12 |
| 17 | 仙马泉 | 仙马泉村 | P=5% | 24.9 | 60~100 | P=10% | 14.2 | 12 |
| 18 | 东辽河 | 东辽河仅涉及左侧岸线，其设省级河长，划界宽度由吉林省水利水电设计院制定，界线采用省院划定成果。 | | | | | | |

**3 确权划界中存在的主要问题和困难**

由于经济的飞速发展，土地的经济效益日趋提高，农民爱地惜地热情更加高涨。在第二次土地承包时，部分河道管理范围内的滩地被当作农田承包给农民，致使河道管理范围内存在种植农作物等现象。在划界确权工作中，部分村民以占用集体、个人土地为由，提出一些过分赔偿要求，执法部门也无法做出正确处理，给划界工作增加了难度。

**4 意见及建议**

（1）充分利用各种媒体对全区河湖管理范围和水利工程管理与保护范围划定工作进行宣传，给沿河村民宣传讲解项目建设的重大意义、对侵占河道的违法行为进行处理办法，为全面进行违法清障、征地等工作奠定了基础，切实得到社会各界的大力支持。

（2）利用河道治理工程施工对河道具体情况进行摸底调查。**一是**为防止沿河村民在河道内围滩造地、抢栽抢种等情况发生，对河道沿岸地貌进行了航拍，将航拍影像资料做为处置违法侵占河道的重要依据；**二是**积极与区国土部门协调，依据河道地形状况和河流治理工程治导线确定确权划界控制范围，绘制沿河影像图，对确权划界占用土地性质进行了确定 。

（3）建议成立铁东区河道确权划界领导小组，抽调区公安、执法、国土、农牧、林业、水利等部门及镇街的骨干力量，开展河道执法整治和确权划界协调等工作，对河道内存在的问题提出具体要求，对围地、抢栽抢种等违法行为进行严厉打击，明确职责，划定河洪道范围。

**5. 桩号坐标表**

**表1条子河（北河）**

| 序号 | 条子河北河左岸保护范围 | | 条子河北河左岸管理范围 | | 条子河北河右岸保护范围 | | 条子河北河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 623778.484 | 4780233.016 | 631461.224 | 4777337.861 | 631520.076 | 4777275.119 | 623877.215 | 4780187.553 |
| J02 | 624034.213 | 4780343.41 | 631201.269 | 4777422.576 | 631240.544 | 4777338.516 | 624005.219 | 4780258.016 |
| J03 | 624194.765 | 4780336.191 | 631083.065 | 4777485.089 | 630727.265 | 4777735.283 | 624293.955 | 4780307.328 |
| J04 | 624461.277 | 4780384.903 | 630440.338 | 4778057.233 | 630372.089 | 4777994.453 | 624642.622 | 4780358.958 |
| J05 | 624870.402 | 4780505.568 | 630319.92 | 4778136.93 | 630334.133 | 4778024.092 | 624929.072 | 4780451.913 |
| J06 | 625165.213 | 4780553.462 | 630185.45 | 4778254.237 | 629724.893 | 4778607.703 | 625149.787 | 4780476.383 |
| J07 | 625502.524 | 4780567.723 | 629938.894 | 4778432.452 | 629546.809 | 4778808.865 | 625523.959 | 4780492.721 |
| J08 | 625785.189 | 4780721.117 | 629761.916 | 4778703.09 | 629347.914 | 4778993.483 | 625819.079 | 4780650.666 |
| J09 | 626267.278 | 4780864.154 | 629640.217 | 4778804.669 | 628982.133 | 4779310.755 | 626015.192 | 4780749.273 |
| J10 | 626583.525 | 4780701.693 | 629572.501 | 4778877.53 | 628735.908 | 4779300.002 | 626267.623 | 4780771.726 |
| J11 | 626976.043 | 4780557.009 | 629366.067 | 4779094.809 | 628398.616 | 4779353.652 | 626502.911 | 4780683.326 |
| J12 | 627400.676 | 4780402.8 | 629302.388 | 4779149.946 | 628305.332 | 4779374.049 | 626795.856 | 4780532.036 |
| J13 | 627590.876 | 4780133.655 | 629200.644 | 4779268.49 | 628075.689 | 4779380.542 | 627039.865 | 4780489.292 |
| J14 | 627877.448 | 4779731.706 | 628956.22 | 4779382.339 | 627914.013 | 4779385.597 | 627169.541 | 4780447.344 |
| J15 | 628405.537 | 4779490.067 | 628783.169 | 4779353.094 | 627879.098 | 4779536.02 | 627222.438 | 4780363.78 |
| J16 | 628862.698 | 4779360.212 | 628491.935 | 4779362.789 | 627706.803 | 4779754.737 | 627370.338 | 4780324.518 |
| J17 | 629254.162 | 4779268.384 | 628018.603 | 4779421.153 | 627716.903 | 4779845.659 | 627481.595 | 4780173.192 |
| J18 | 629619.889 | 4778913.727 | 627991.506 | 4779479.185 | 627549.752 | 4780012.934 | 627520.488 | 4780076.181 |
| J19 | 630024.344 | 4778408.001 | 627869.432 | 4779615.193 | 627428.515 | 4780151.397 | 627659.407 | 4779946.206 |
| J20 | 630495.573 | 4778011.372 | 627819.821 | 4779710.136 | 627252.033 | 4780300.924 | 627761.909 | 4779762.831 |
| J21 | 631504.148 | 4777394.062 | 627766.97 | 4779899.502 | 627122.464 | 4780383.587 | 627789.484 | 4779664.009 |
| J22 |  |  | 627590.886 | 4780082.002 | 626913.97 | 4780432.887 | 627836.548 | 4779594.854 |
| J23 |  |  | 627551.581 | 4780177.731 | 626462.901 | 4780652.14 | 627945.185 | 4779506.041 |
| J24 |  |  | 627393.13 | 4780336.396 | 626251.236 | 4780723.293 | 627985.633 | 4779394.346 |
| J25 |  |  | 627188.777 | 4780464.135 | 626043.278 | 4780705.052 | 628245.14 | 4779392.348 |
| J26 |  |  | 626839.905 | 4780561.977 | 625842.911 | 4780604.816 | 628377.861 | 4779401.73 |
| J27 |  |  | 626262.568 | 4780810.682 | 625538.25 | 4780442.718 | 628485.955 | 4779342.296 |
| J28 |  |  | 626000.587 | 4780770.716 | 625200.324 | 4780431.506 | 628668.837 | 4779363.313 |
| J29 |  |  | 624953.477 | 4780549.028 | 625017.452 | 4780469.432 | 628784.877 | 4779311.622 |
| J30 |  |  | 624261.484 | 4780341.93 | 624774.423 | 4780336.31 | 628935.053 | 4779345.316 |
| J31 |  |  | 623861.682 | 4780207.516 | 624330.976 | 4780269.582 | 629090.051 | 4779324.842 |
| J32 |  |  |  |  | 624006.629 | 4780151.256 | 629184.044 | 4779251.645 |
| J33 |  |  |  |  | 623859.011 | 4780129.53 | 629287.349 | 4779134.826 |
| J34 |  |  |  |  |  |  | 629406.484 | 4779018.355 |
| J35 |  |  |  |  |  |  | 629573.72 | 4778858.152 |
| J36 |  |  |  |  |  |  | 629694.647 | 4778699.314 |
| J37 |  |  |  |  |  |  | 629771.234 | 4778587.472 |
| J38 |  |  |  |  |  |  | 630077.314 | 4778308.213 |
| J39 |  |  |  |  |  |  | 630291.715 | 4778094.25 |
| J40 |  |  |  |  |  |  | 630519.284 | 4777890.412 |
| J41 |  |  |  |  |  |  | 630698.231 | 4777798.91 |
| J42 |  |  |  |  |  |  | 630849.807 | 4777674.362 |
| J43 |  |  |  |  |  |  | 631019.531 | 4777512.615 |
| J44 |  |  |  |  |  |  | 631463.879 | 4777318.039 |

**表2南条子河**

| 序号 | 南条子河左岸保护范围 | | 南条子河左岸管理范围 | | 南条子河右岸保护范围 | | 南条子河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 622086.817 | 4771194.255 | 622077.717 | 4771173.926 | 610606.733 | 4780351.383 | 610687.141 | 4780406.964 |
| J02 | 621426.751 | 4771423.216 | 621809.886 | 4771105.374 | 610767.31 | 4779929.724 | 610807.68 | 4780274.448 |
| J03 | 621054.079 | 4771638.431 | 621738.664 | 4771082.935 | 611249.847 | 4779478.851 | 610875.748 | 4779881.381 |
| J04 | 620728.326 | 4771831.630 | 621689.671 | 4771151.164 | 611274.22 | 4778538.152 | 611232.059 | 4779536.277 |
| J05 | 620676.186 | 4772241.511 | 621622.455 | 4771215.361 | 611971.187 | 4778073.702 | 611291.417 | 4779344.639 |
| J06 | 620446.978 | 4772584.939 | 621517.96 | 4771265.267 | 612502.442 | 4777775.53 | 611212.855 | 4779033.035 |
| J07 | 620329.58 | 4772836.527 | 621443.097 | 4771375.154 | 613274.171 | 4777638.455 | 611315.709 | 4778575.935 |
| J08 | 620079.79 | 4773308.820 | 621076.606 | 4771567.081 | 614639.42 | 4777822.344 | 611768.909 | 4778278.83 |
| J09 | 619945.812 | 4773530.151 | 620889.596 | 4771635.264 | 615173.021 | 4777428.178 | 612011.097 | 4778125.117 |
| J10 | 619736.37 | 4773711.041 | 620660.954 | 4772181.85 | 616019.924 | 4776914.164 | 612285.96 | 4777791.597 |
| J11 | 619480.897 | 4773967.678 | 620414.483 | 4772545.78 | 616645.104 | 4776410.644 | 612741.569 | 4777657.618 |
| J12 | 619340.77 | 4774097.073 | 619556.187 | 4773943.667 | 617416.507 | 4776072.827 | 613411.48 | 4777689.822 |
| J13 | 619085.501 | 4774513.976 | 619062.22 | 4774465.97 | 618356.488 | 4775257.57 | 614110.143 | 4777869.715 |
| J14 | 618886.367 | 4774640.018 | 616973.26 | 4776494.758 | 618967.111 | 4774402.125 | 614651.487 | 4777890.04 |
| J15 | 618290.143 | 4775537.465 | 616592.252 | 4776683.415 | 619590.096 | 4773664.039 | 615078.904 | 4777581.01 |
| J16 | 617800.819 | 4775981.473 | 616150.765 | 4777123.873 | 620040.143 | 4773163.946 | 615659.624 | 4777294.252 |
| J17 | 617253.588 | 4776442.226 | 615105.55 | 4777700.632 | 620248.58 | 4772703.091 | 616001.738 | 4776983.991 |
| J18 | 616964.456 | 4776544.006 | 614785.975 | 4777971.698 | 620707.434 | 4771671.499 | 616670.731 | 4776453.611 |
| J19 | 616626.969 | 4776719.405 | 614282.207 | 4778048.388 | 621748.332 | 4770977.513 | 616985.023 | 4776478.672 |
| J20 | 616188.471 | 4777157.012 | 613913.663 | 4777954.867 | 622102.852 | 4771159.847 | 617268.95 | 4776300.086 |
| J21 | 615786.212 | 4777360.509 | 612575.782 | 4777910.051 |  |  | 617444.976 | 4776113.928 |
| J22 | 615112.96 | 4777759.945 | 612078.645 | 4778199.194 |  |  | 617781.156 | 4775830.817 |
| J23 | 614828.903 | 4778006.636 | 611445.706 | 4778754.243 |  |  | 618140.479 | 4775561.625 |
| J24 | 614180.391 | ,4778049.787 | 611482.149 | 4779516.075 |  |  | 618365.822 | 4775326.664 |
| J25 | 613292.966 | 4777857.193 | 610723.856 | 4780512.312 |  |  |  |  |
| J26 | 612120.94 | 4778121.053 |  |  |  |  |  |  |
| J27 | 611464.445 | 4778612.748 |  |  |  |  |  |  |
| J28 | 611207.716 | 4779862.495 |  |  |  |  |  |  |
| J29 | 610694.715 | 4780567.351 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

**表3叶赫河**

| 序号 | 叶赫河左岸保护范围 | | 叶赫河左岸管理范围 | | 叶赫河右岸保护范围 | | 叶赫河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 635865.11 | 4773153.219 | 635869.537 | 4773172.723 | 635885.031 | 4773240.987 | 635880.604 | 4773221.483 |
| J02 | 636141.626 | 4773064.274 | 636190.918 | 4773121.974 | 636113.668 | 4773208.439 | 636113.192 | 4773187.947 |
| J03 | 636570.943 | 4772705.284 | 636589.398 | 4772718.503 | 636265.641 | 4773129.868 | 636228.538 | 4773166.315 |
| J04 | 636760.988 | 4772330.22 | 636703.145 | 4772572.465 | 636578.266 | 4772926.115 | 636497.654 | 4772990.002 |
| J05 | 637074.332 | 4771991.942 | 636778.25 | 4772341.917 | 636684.102 | 4772757.276 | 636589.814 | 4772865.204 |
| J06 | 636882.908 | 4771713.014 | 637041.03 | 4772145.977 | 636756.823 | 4772624.648 | 636636.964 | 4772750.848 |
| J07 | 636752.166 | 4771598.161 | 637094.48 | 4771995.391 | 637096.937 | 4772193.902 | 636681.855 | 4772671.629 |
| J08 | 636631.033 | 4771452.186 | 637016.495 | 4771801.266 | 637097.189 | 4771777.999 | 636741.486 | 4772609.738 |
| J09 | 636529.66 | 4771390.654 | 636810.877 | 4771582.848 | 636906.844 | 4771572.906 | 636805.921 | 4772472.702 |
| J10 | 636417.524 | 4771045.927 | 636567.114 | 4771354.753 | 636784.504 | 4771448.744 | 636821.404 | 4772371.158 |
| J11 | 636241.271 | 4770829.789 | 636459.793 | 4771009.227 | 636547.176 | 4771121.968 | 637080.963 | 4772180.209 |
| J12 | 636154.789 | 4770612.777 | 636292.384 | 4770821.658 | 636377.595 | 4770918.225 | 637074.598 | 4771783.17 |
| J13 | 635955.945 | 4770265.335 | 636205.893 | 4770609.77 | 636273.884 | 4770684.616 | 636862.144 | 4771607.456 |
| J14 | 635808.069 | 4770088.215 | 635977.648 | 4770446.634 | 636083.57 | 4770396.984 | 636738.045 | 4771474.519 |
| J15 | 635426.482 | 4769734.799 | 635859.738 | 4770153.936 | 635938.457 | 4770110.568 | 636597.683 | 4771320.824 |
| J16 | 635017.376 | 4769281.996 | 635565.792 | 4770061.651 | 635603.727 | 4769992.545 | 636497.456 | 4771127.318 |
| J17 | 634721.167 | 4768551.756 | 635288.144 | 4769730.92 | 635368.691 | 4769603.228 | 636457.145 | 4770949.66 |
| J18 | 634155.775 | 4767917.03 | 635024.944 | 4769226.914 | 635252.408 | 4769415.61 | 636291.741 | 4770757.792 |
| J19 | 633595.014 | 4767332.755 | 634694.775 | 4768703.909 | 635117.587 | 4769168.679 | 636228.162 | 4770580.053 |
| J20 | 633276.018 | 4766971.924 | 634452.446 | 4768238.193 | 634829.384 | 4768689.04 | 636024.532 | 4770425.33 |
| J21 | 632955.223 | 4766722.806 | 634212.949 | 4767981.397 | 634508.205 | 4768144.487 | 636008.791 | 4770198.135 |
| J22 | 632679.767 | 4766265.813 | 634090.814 | 4767698.99 | 634194.668 | 4767763.34 | 635908.021 | 4770019.602 |
| J23 | 632154.855 | 4765816.153 | 633707.004 | 4767452.613 | 633677.241 | 4767151.925 | 635581.395 | 4770039.796 |
| J24 | 631761.18 | 4765395.727 | 633527.224 | 4767088.343 | 633047.346 | 4766382.032 | 635374.665 | 4769674.961 |
| J25 | 631297.684 | 4764898.717 | 633320.165 | 4766934.969 | 632251.92 | 4765639.444 | 635286.824 | 4769493.809 |
| J26 | 630721.287 | 4764483.438 | 632968.042 | 4766671.728 | 631450.008 | 4765039.562 | 635130.971 | 4769375.722 |
| J27 | 627670.472 | 4762747.651 | 632843.003 | 4766359.544 | 631032.006 | 4764554.711 | 635066.772 | 4769195.943 |
| J28 | 627345.686 | 4761978.525 | 632706.329 | 4766204.289 | 630695.706 | 4764282.401 | 634750.006 | 4768681.86 |
| J29 | 626926.362 | 4760570.022 | 632376.082 | 4765993.554 | 627896.643 | 4762690.507 | 634646.819 | 4768264.587 |
| J30 | 626595.049 | 4759871.69 | 632113.874 | 4765670.272 | 627336.812 | 4761673.57 | 634271.95 | 4767998.396 |
| J31 | 625639.51 | 4758917.245 | 631787.12 | 4765335.016 | 627379.101 | 4761056.71 | 634137.849 | 4767792.347 |
| J32 | 624711.609 | 4758389.753 | 631357.26 | 4765026.663 | 626651.674 | 4759614.819 | 633614.469 | 4767049.181 |
| J33 | 623665.382 | 4757198.609 | 631193.819 | 4764848.736 | 626015.289 | 4759110.11 | 633256.873 | 4766845.514 |
| J34 | 622515.802 | 4755961.658 | 631005.444 | 4764651.52 | 624945.656 | 4758213.138 | 632831.487 | 4766274.997 |
| J35 | 621325.936 | 4754974.329 | 630737.149 | 4764469.846 | 624268.425 | 4757278.997 | 632213.284 | 4765671.19 |
| J36 | 620107.082 | 4754066.958 | 630650.952 | 4764360.484 | 623560.956 | 4756371.89 | 631527.449 | 4765207.414 |
| J37 | 618505.259 | 4753366.944 | 627721.478 | 4762730.804 | 622736.454 | 4755817.169 | 631142.761 | 4764661.46 |
| J38 | 618084.459 | 4752267.693 | 627216.643 | 4761789.004 | 621265.446 | 4754602.312 | 630670.843 | 4764325.782 |
| J39 | 616612.618 | 4751043.259 | 627017.154 | 4760574.968 | 620128.505 | 4753737.955 | 627840.462 | 4762685.705 |
| J40 | 615525.044 | 4749619.385 | 626351.441 | 4759599.861 | 619187.369 | 4753510.372 | 627525.162 | 4761921.08 |
| J41 | 615780.898 | 4749036.729 | 625844.492 | 4759216.481 | 618478.888 | 4752621.591 | 627326.981 | 4761056.844 |
| J42 |  |  | 624749.713 | 4758357.343 | 618009.859 | 4751816.61 | 626880.994 | 4760281.646 |
| J43 |  |  | 623650.273 | 4757099.854 | 617060.264 | 4751122.538 | 626694.999 | 4759725.208 |
| J44 |  |  | 622583.443 | 4755964.147 | 616312.318 | 4750527.806 | 625936.424 | 4759099.743 |
| J45 |  |  | 621669.219 | 4755225.653 | 616131.746 | 4749228.838 | 625009.128 | 4758303.782 |
| J46 |  |  | 620509.285 | 4754564.439 |  |  | 624264.289 | 4757428.606 |
| J47 |  |  | 619396.033 | 4753792.09 |  |  | 623452.27 | 4756297.238 |
| J48 |  |  | 618529.952 | 4753310.43 |  |  | 622698.618 | 4755851.283 |
| J49 |  |  | 618196.529 | 4752467.155 |  |  | 622082.413 | 4755175.521 |
| J50 |  |  | 617610.212 | 4751910.414 |  |  | 621099.24 | 4754600.008 |
| J51 |  |  | 616176.037 | 4750739.024 |  |  | 620457.193 | 4754203.941 |
| J52 |  |  | 615630.988 | 4749610.727 |  |  | 619512.49 | 4753627.487 |
| J53 |  |  | 615868.61 | 4749084.756 |  |  | 618613.788 | 4753054.745 |
| J54 |  |  |  |  |  |  | 618302.665 | 4752312.914 |
| J55 |  |  |  |  |  |  | 617792.217 | 4751807.671 |
| J56 |  |  |  |  |  |  | 617022.756 | 4751155.768 |
| J57 |  |  |  |  |  |  | 616181.59 | 4750478.127 |
| J58 |  |  |  |  |  |  | 615842.877 | 4749593.413 |
| J59 |  |  |  |  |  |  | 616044.034 | 4749180.811 |

**表4山门河**

| 序号 | 山门河左岸保护范围 | | 山门河左岸管理范围 | | 山门河右岸保护范围 | | 山门河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 623026.927 | 4762600.652 | 635869.537 | 4773172.723 | 635885.031 | 4773240.987 | 635880.604 | 4773221.483 |
| J02 | 623089.248 | 4762817.754 | 636190.918 | 4773121.974 | 636113.668 | 4773208.439 | 636113.192 | 4773187.947 |
| J03 | 623104.338 | 4763157.256 | 636589.398 | 4772718.503 | 636265.641 | 4773129.868 | 636228.538 | 4773166.315 |
| J04 | 623130.36 | 4763651.895 | 636703.145 | 4772572.465 | 636578.266 | 4772926.115 | 636497.654 | 4772990.002 |
| J05 | 623215.898 | 4763861.728 | 636778.25 | 4772341.917 | 636684.102 | 4772757.276 | 636589.814 | 4772865.204 |
| J06 | 623429.152 | 4764170.443 | 637041.03 | 4772145.977 | 636756.823 | 4772624.648 | 636636.964 | 4772750.848 |
| J07 | 623513.452 | 4764234.44 | 637094.48 | 4771995.391 | 637096.937 | 4772193.902 | 636681.855 | 4772671.629 |
| J08 | 623574.296 | 4764487.147 | 637016.495 | 4771801.266 | 637097.189 | 4771777.999 | 636741.486 | 4772609.738 |
| J09 | 623531.418 | 4764714.792 | 636810.877 | 4771582.848 | 636906.844 | 4771572.906 | 636805.921 | 4772472.702 |
| J10 | 623535.881 | 4765172.749 | 636567.114 | 4771354.753 | 636784.504 | 4771448.744 | 636821.404 | 4772371.158 |
| J11 | 623533.581 | 4765260.059 | 636459.793 | 4771009.227 | 636547.176 | 4771121.968 | 637080.963 | 4772180.209 |
| J12 | 623559.719 | 4765437.625 | 636292.384 | 4770821.658 | 636377.595 | 4770918.225 | 637074.598 | 4771783.17 |
| J13 | 623604.332 | 4765601.271 | 636205.893 | 4770609.77 | 636273.884 | 4770684.616 | 636862.144 | 4771607.456 |
| J14 | 623571.543 | 4766154.531 | 635977.648 | 4770446.634 | 636083.57 | 4770396.984 | 636738.045 | 4771474.519 |
| J15 | 623446.173 | 4766589.836 | 635859.738 | 4770153.936 | 635938.457 | 4770110.568 | 636597.683 | 4771320.824 |
| J16 | 623434.111 | 4766780.298 | 635565.792 | 4770061.651 | 635603.727 | 4769992.545 | 636497.456 | 4771127.318 |
| J17 | 623334.128 | 4767230.648 | 635288.144 | 4769730.92 | 635368.691 | 4769603.228 | 636457.145 | 4770949.66 |
| J18 | 622950.784 | 4767634.056 | 635024.944 | 4769226.914 | 635252.408 | 4769415.61 | 636291.741 | 4770757.792 |
| J19 | 622190.071 | 4767972.169 | 634694.775 | 4768703.909 | 635117.587 | 4769168.679 | 636228.162 | 4770580.053 |
| J20 | 621464.987 | 4768422.175 | 634452.446 | 4768238.193 | 634829.384 | 4768689.04 | 636024.532 | 4770425.33 |
| J21 | 620889.811 | 4768592.243 | 634212.949 | 4767981.397 | 634508.205 | 4768144.487 | 636008.791 | 4770198.135 |
| J22 | 620312.408 | 4768906.876 | 634090.814 | 4767698.99 | 634194.668 | 4767763.34 | 635908.021 | 4770019.602 |
| J23 | 620120.59 | 4768891.253 | 633707.004 | 4767452.613 | 633677.241 | 4767151.925 | 635581.395 | 4770039.796 |
| J24 |  |  | 633527.224 | 4767088.343 | 633047.346 | 4766382.032 | 635374.665 | 4769674.961 |
| J25 |  |  | 633320.165 | 4766934.969 | 632251.92 | 4765639.444 | 635286.824 | 4769493.809 |
| J26 |  |  | 632968.042 | 4766671.728 | 631450.008 | 4765039.562 | 635130.971 | 4769375.722 |
| J27 |  |  | 632843.003 | 4766359.544 | 631032.006 | 4764554.711 | 635066.772 | 4769195.943 |
| J28 |  |  | 632706.329 | 4766204.289 | 630695.706 | 4764282.401 | 634750.006 | 4768681.86 |
| J29 |  |  | 632376.082 | 4765993.554 | 627896.643 | 4762690.507 | 634646.819 | 4768264.587 |
| J30 |  |  | 632113.874 | 4765670.272 | 627336.812 | 4761673.57 | 634271.95 | 4767998.396 |
| J31 |  |  | 631787.12 | 4765335.016 | 627379.101 | 4761056.71 | 634137.849 | 4767792.347 |
| J32 |  |  | 631357.26 | 4765026.663 | 626651.674 | 4759614.819 | 633614.469 | 4767049.181 |
| J33 |  |  | 631193.819 | 4764848.736 | 626015.289 | 4759110.11 | 633256.873 | 4766845.514 |
| J34 |  |  | 631005.444 | 4764651.52 | 624945.656 | 4758213.138 | 632831.487 | 4766274.997 |
| J35 |  |  | 630737.149 | 4764469.846 | 624268.425 | 4757278.997 | 632213.284 | 4765671.19 |
| J36 |  |  | 630650.952 | 4764360.484 | 623560.956 | 4756371.89 | 631527.449 | 4765207.414 |
| J37 |  |  | 627721.478 | 4762730.804 | 622736.454 | 4755817.169 | 631142.761 | 4764661.46 |
| J38 |  |  | 627216.643 | 4761789.004 | 621265.446 | 4754602.312 | 630670.843 | 4764325.782 |
| J39 |  |  | 627017.154 | 4760574.968 | 620128.505 | 4753737.955 | 627840.462 | 4762685.705 |
| J40 |  |  | 626351.441 | 4759599.861 | 619187.369 | 4753510.372 | 627525.162 | 4761921.08 |
| J41 |  |  | 625844.492 | 4759216.481 | 618478.888 | 4752621.591 | 627326.981 | 4761056.844 |
| J42 |  |  | 624749.713 | 4758357.343 | 618009.859 | 4751816.61 | 626880.994 | 4760281.646 |
| J43 |  |  | 623650.273 | 4757099.854 | 617060.264 | 4751122.538 | 626694.999 | 4759725.208 |
| J44 |  |  | 622583.443 | 4755964.147 | 616312.318 | 4750527.806 | 625936.424 | 4759099.743 |
| J45 |  |  | 621669.219 | 4755225.653 | 616131.746 | 4749228.838 | 625009.128 | 4758303.782 |
| J46 |  |  | 620509.285 | 4754564.439 |  |  | 624264.289 | 4757428.606 |
| J47 |  |  | 619396.033 | 4753792.09 |  |  | 623452.27 | 4756297.238 |
| J48 |  |  | 618529.952 | 4753310.43 |  |  | 622698.618 | 4755851.283 |
| J49 |  |  | 618196.529 | 4752467.155 |  |  | 622082.413 | 4755175.521 |
| J50 |  |  | 617610.212 | 4751910.414 |  |  | 621099.24 | 4754600.008 |
| J51 |  |  | 616176.037 | 4750739.024 |  |  | 620457.193 | 4754203.941 |
| J52 |  |  | 615630.988 | 4749610.727 |  |  | 619512.49 | 4753627.487 |
| J53 |  |  | 615868.61 | 4749084.756 |  |  | 618613.788 | 4753054.745 |
| J54 |  |  |  |  |  |  | 618302.665 | 4752312.914 |
| J55 |  |  |  |  |  |  | 617792.217 | 4751807.671 |
| J56 |  |  |  |  |  |  | 617022.756 | 4751155.768 |
| J57 |  |  |  |  |  |  | 616181.59 | 4750478.127 |
| J58 |  |  |  |  |  |  | 615842.877 | 4749593.413 |
| J59 |  |  |  |  |  |  | 616044.034 | 4749180.811 |

**表5虫王河**

| 序号 | 虫王河左岸保护范围 | | 虫王河左岸管理范围 | | 虫王河右岸保护范围 | | 虫王河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 618585.893 | 4762466.648 | 618225.446 | 4768427.506 | 618122.541 | 4768424.148 | 618191.128 | 4768406.95 |
| J02 | 618714.73 | 4762797.26 | 618236.574 | 4768190.815 | 618172.866 | 4768288.57 | 618252.265 | 4767978.329 |
| J03 | 618907.512 | 4763118.895 | 618295.279 | 4767990.818 | 618202.877 | 4767966.903 | 618223.141 | 4767774.489 |
| J04 | 619056.907 | 4763398.286 | 618275.683 | 4767773.88 | 618211.332 | 4767843.817 | 618294.12 | 4767509.295 |
| J05 | 619157.447 | 4764019.745 | 618336.825 | 4767510.989 | 618240.89 | 4767512.727 | 618272.648 | 4767406.098 |
| J06 | 619380.872 | 4764451.941 | 618388.452 | 4767299.793 | 618296.413 | 4767197.182 | 618315.294 | 4767279.763 |
| J07 | 619359.257 | 4764778.86 | 618720.281 | 4767149.106 | 618627.065 | 4767089.861 | 618524.554 | 4767172.979 |
| J08 | 619365.27 | 4765123.663 | 618909.585 | 4766950.146 | 618823.066 | 4766869.914 | 618726.359 | 4767013.979 |
| J09 | 619312.292 | 4765680.07 | 619033.359 | 4766727.027 | 618976.122 | 4766634.312 | 618798.905 | 4766923.323 |
| J10 | 619308.438 | 4766243.587 | 619194.076 | 4766420.04 | 619177.933 | 4766306.265 | 618893.053 | 4766876.253 |
| J11 | 619217.627 | 4766467.9 | 619279.775 | 4766318.992 | 619160.361 | 4765738.021 | 618892.949 | 4766815.44 |
| J12 | 618993.478 | 4766840.099 | 619255.501 | 4766213.21 | 619287.356 | 4765521.458 | 619021.258 | 4766658.071 |
| J13 | 618816.894 | 4767038.352 | 619304.553 | 4765966.696 | 619304.262 | 4765306.7 | 619036.821 | 4766561.068 |
| J14 | 618762.139 | 4767183.239 | 619257.532 | 4765672.34 | 619193.619 | 4765018.376 | 619138.867 | 4766410.669 |
| J15 | 618363.886 | 4767432.486 | 619417.937 | 4765575.452 | 619226.744 | 4764939.511 | 619232.974 | 4766308.487 |
| J16 | 618316.119 | 4767742.777 | 619383.677 | 4765455.978 | 619196.361 | 4764735.641 | 619200.071 | 4766208.56 |
| J17 | 618345.156 | 4768003.844 | 619312.664 | 4765127.249 | 619268.16 | 4764651.893 | 619255.495 | 4765953.968 |
| J18 | 618287.07 | 4768184.694 | 619326.88 | 4764973.13 | 619232.655 | 4764506.561 | 619243.285 | 4765790.476 |
| J19 | 618242.644 | 4768496.089 | 619341.967 | 4764731.42 | 619046.436 | 4764122.37 | 619211.835 | 4765708.621 |
| J20 |  |  | 619374.703 | 4764521.96 | 619049.022 | 4763719.882 | 619350.893 | 4765553.299 |
| J21 |  |  | 619289.518 | 4764301.784 | 618913.398 | 4763470.99 | 619321.831 | 4765484.012 |
| J22 |  |  | 619231.773 | 4764203.067 | 618792.923 | 4763306.433 | 619355.658 | 4765312.812 |
| J23 |  |  | 619106.511 | 4764030.603 | 618720.384 | 4763106.647 | 619289.434 | 4765184.665 |
| J24 |  |  | 619123.159 | 4763831.29 | 618736.292 | 4763035 | 619245.355 | 4765019.774 |
| J25 |  |  | 619110.082 | 4763567.287 | 618651.37 | 4762965.557 | 619282.417 | 4764927.968 |
| J26 |  |  | 619003.995 | 4763420.245 | 618588.324 | 4762809.602 | 619266.766 | 4764714.002 |
| J27 |  |  | 618901.936 | 4763249.646 | 618558.15 | 4762749.216 | 619321.042 | 4764556.594 |
| J28 |  |  | 618832.436 | 4763068.491 | 618471.258 | 4762509.67 | 619277.887 | 4764483.837 |
| J29 |  |  | 618781.162 | 4762956.976 |  |  | 619177.573 | 4764179.135 |
| J30 |  |  | 618669.504 | 4762822.67 |  |  | 619086.214 | 4764088.735 |
| J31 |  |  | 618558.332 | 4762530.396 |  |  | 619077.739 | 4763913.487 |
| J32 |  |  |  |  |  |  | 619079.606 | 4763851.685 |
| J33 |  |  |  |  |  |  | 619099.605 | 4763719.8 |
| J34 |  |  |  |  |  |  | 619074.002 | 4763586.115 |
| J35 |  |  |  |  |  |  | 618952.668 | 4763437.976 |
| J36 |  |  |  |  |  |  | 618933.583 | 4763411.566 |
| J37 |  |  |  |  |  |  | 618847.463 | 4763271.25 |
| J38 |  |  |  |  |  |  | 618807.847 | 4763102.545 |
| J39 |  |  |  |  |  |  | 618791.154 | 4763035.181 |
| J40 |  |  |  |  |  |  | 618731.063 | 4762950.467 |
| J41 |  |  |  |  |  |  | 618641.368 | 4762810.144 |
| J42 |  |  |  |  |  |  | 618614.2 | 4762730.941 |
| J43 |  |  |  |  |  |  | 618535.122 | 4762539.106 |

**表6龙王河**

| 序号 | 龙王河左岸保护范围 | | 龙王河左岸管理范围 | | 龙王河右岸保护范围 | | 龙王河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 626169.448 | 4767277.31 | 626186.251 | 4767346.086 | 626106.693 | 4767379.594 | 626175.792 | 4767363.133 |
| J02 | 626312.827 | 4767372.08 | 626264.262 | 4767398.389 | 626195.478 | 4767435.191 | 626244.703 | 4767408.905 |
| J03 | 626224.706 | 4767769.384 | 626267.653 | 4767475.66 | 626103.473 | 4767703.831 | 626247.491 | 4767472.436 |
| J04 | 626045.783 | 4768138.61 | 626174.896 | 4767762.301 | 626038.482 | 4767945.352 | 626153.956 | 4767711.618 |
| J05 | 625723.615 | 4768518.717 | 626079.636 | 4768016.123 | 625932.826 | 4768087.31 | 626067.971 | 4767995.907 |
| J06 | 625661.055 | 4768686.728 | 625876.233 | 4768303.534 | 625828.783 | 4768242.501 | 625980.222 | 4768108.697 |
| J07 | 625355.362 | 4768668.705 | 625631.177 | 4768639.225 | 625631.381 | 4768427.867 | 625861.981 | 4768287.609 |
| J08 | 624979.57 | 4768763.767 | 625493.151 | 4768668.188 | 625586.177 | 4768572.904 | 625795.582 | 4768279.605 |
| J09 | 624537.872 | 4768740.129 | 625229.289 | 4768676.322 | 625519.526 | 4768582.859 | 625670.142 | 4768465.733 |
| J10 | 624340.597 | 4768706.63 | 624927.523 | 4768768.538 | 625381.774 | 4768544.138 | 625500.78 | 4768643.812 |
| J11 | 624130.654 | 4768657.459 | 624697.711 | 4768742.38 | 625308.929 | 4768553.819 | 625328.606 | 4768601.701 |
| J12 | 624047.791 | 4768509.873 | 624640.29 | 4768719.673 | 625221.914 | 4768604.132 | 625063.693 | 4768648.899 |
| J13 | 623993.458 | 4768277.757 | 624564.272 | 4768688.774 | 625053.158 | 4768598.964 | 624917.344 | 4768723.297 |
| J14 | 623558.596 | 4767860.62 | 624373.553 | 4768668.707 | 624859.679 | 4768728.662 | 624735.644 | 4768709.211 |
| J15 | 623312.45 | 4767620.189 | 624251.325 | 4768661.293 | 624752.171 | 4768651.282 | 624691.451 | 4768671.655 |
| J16 | 623045.415 | 4767648.582 | 624151.481 | 4768604.184 | 624600.438 | 4768616.85 | 624606.748 | 4768666.626 |
| J17 |  |  | 624082.807 | 4768468.809 | 624481.364 | 4768526.306 | 624484.734 | 4768562.384 |
| J18 |  |  | 624032.968 | 4768315.285 | 624370.648 | 4768557.387 | 624445.473 | 4768546.7 |
| J19 |  |  | 623991.241 | 4768216.671 | 624208.879 | 4768541.996 | 624333.333 | 4768604.174 |
| J20 |  |  | 623908.436 | 4768221.296 | 624146.528 | 4768416.514 | 624227.703 | 4768603.018 |
| J21 |  |  | 623908.949 | 4768150.076 | 624111.699 | 4768304.538 | 624159.679 | 4768582.871 |
| J22 |  |  | 623633.016 | 4767912.785 | 624075.021 | 4768187.543 | 624144.773 | 4768508.787 |
| J23 |  |  | 623507.05 | 4767797.673 | 623975.903 | 4768125.184 | 624096.682 | 4768452.381 |
| J24 |  |  | 623450.164 | 4767661.556 | 623670.474 | 4767783.241 | 624055.579 | 4768312.161 |
| J25 |  |  | 623068.396 | 4767572.714 | 623521.068 | 4767638.155 | 623995.332 | 4768195.523 |
| J26 |  |  |  |  | 623231.219 | 4767441.029 | 623931.499 | 4768167.683 |
| J27 |  |  |  |  |  |  | 623925.786 | 4768125.22 |
| J28 |  |  |  |  |  |  | 623647.948 | 4767898.936 |
| J29 |  |  |  |  |  |  | 623624.189 | 4767815.495 |
| J30 |  |  |  |  |  |  | 623517.468 | 4767778.148 |
| J31 |  |  |  |  |  |  | 623470.518 | 4767654.875 |
| J32 |  |  |  |  |  |  | 623323.688 | 4767550.385 |
| J33 |  |  |  |  |  |  | 623081.87 | 4767556.381 |

**表7下二台河**

| 序号 | 下二台河左岸保护范围 | | 下二台河左岸管理范围 | | 下二台河右岸保护范围 | | 下二台河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| x | Y | X | Y | X | Y | X | Y |
| J01 | 617798.395, | 4762722.933, | 617799.889 | 4762637.15 | 617896.597 | 4762627.698 | 617808.345 | 4762628.949 |
| J02 | 617295.340, | 4762392.050, | 617590.758 | 4762480.947 | 617504.239 | 4762308.442 | 617522.628 | 4762353.754 |
| J03 | 616816.593, | 4761963.442, | 617519.582 | 4762412.671 | 617317.19 | 4762223.396 | 617114.537 | 4762147.871 |
| J04 | 616509.344, | 4761687.456, | 617205.433 | 4762284.197 | 617171.654 | 4762073.118 | 617078.574 | 4761996.101 |
| J05 | 616216.764, | 4761323.553, | 617179.771 | 4762254.062 | 617064.739 | 4761894.038 | 616866.108 | 4761809.225 |
| J06 | 615950.565, | 4761221.369, | 617079.229 | 4762127.219 | 616835.518 | 4761685.175 | 616584.322 | 4761598.76 |
| J07 | 615710.585, | 4761155.798, | 617055.037 | 4762032.097 | 616672.399 | 4761537.976 | 616411.676 | 4761352.604 |
| J08 | 615225.566, | 4761071.195, | 616840.261 | 4761902.441 | 616536.419 | 4761401.806 | 616189.171 | 4761151.858 |
| J09 | 614732.771 | 4760709.431 | 616824.532 | 4761867.86 | 615912.252 | 4761058.117 | 615999.21 | 4761096.122 |
| J10 | 614121.967 | 4760496.966 | 616790.279 | 4761807.362 | 615670.302 | 4760968.465 | 615765.637 | 4761036.375 |
| J11 | 613919.209 | 4760281.534 | 616663.084 | 4761714.914 | 615307.709 | 4760906.274 | 615389.241 | 4760948.671 |
| J12 | 613618.575 | 4760191.838 | 616661.127 | 4761667.835 | 615057.488 | 4760751.731 | 614777.347 | 4760569.69 |
| J13 | 613257.326 | 4760268.561 | 616585.6 | 4761656.379 | 614123.635 | 4760364.871 | 614217.595 | 4760373.219 |
| J14 | 612864.025 | 4760139.063 | 616420.287 | 4761445.926 | 613447.88 | 4760094.534 | 614001.426 | 4760131.172 |
| J15 | 612328.193 | 4760155.588 | 616346.462 | 4761394.529 | 612769.238 | 4759994.057 | 613293.784 | 4760112.149 |
| J16 | 611976.266 | 4760279.519 | 616225.473 | 4761253.315 | 612397.115 | 4760095.136 | 612721.481 | 4760018.209 |
| J17 | 611599.691 | 4760331.548 | 616166.598 | 4761247.104 | 611835.221 | 4760217.235 | 612170.736 | 4760042.843 |
| J18 | 611023.767 | 4760564.163 | 616153.351 | 4761178.197 | 611403.848 | 4760368.807 | 611583.298 | 4760201.739 |
| J19 | 610716.333 | 4760810.656 | 616055.363 | 4761198.721 | 610898.688 | 4760533.242 | 611217.274 | 4760412.097 |
| J20 | 610446.892 | 4761050.131 | 615964.644 | 4761135.328 | 610320.958 | 4760962.128 | 610726.088 | 4760701.34 |
| J21 | 610146.714 | 4761129.785 | 615785.315 | 4761172.351 | 609926.466 | 4761292.722 | 610341.948 | 4761011.373 |
| J22 | 609968.824 | 4761393.152 | 615694.567 | 4761080.615 | 609825.432 | 4761474.294 | 609847.992 | 4761407.603 |
| J23 | 609645.921 | 4761759.019 | 615406.778 | 4761036.354 | 609527.322 | 4761861.406 | 609396.487 | 4761917.208 |
| J24 | 609447.784 | 4761974.744 | 615240.647 | 4761005.28 | 609303.388 | 4762171.88 | 609122.298 | 4762288.386 |
| J25 | 609208.099 | 4762301.544 | 615011.203 | 4760856.168 | 608928.296 | 4762334.628 | 608623.768 | 4762679.857 |
| J26 | 609041.855 | 4762419.897 | 614111.555 | 4760419.923 | 608621.848 | 4762568.455 | 608443.595 | 4762865.969 |
| J27 | 608729.647 | 4762628.888 | 613770.91 | 4760213.996 | 608337.406 | 4762849.272 | 608207.954 | 4763184.737 |
| J28 | 608455.730 | 4762950.263 | 613244.247 | 4760201.955 | 608175.406 | 4763237.475 |  |  |
| J29 | 608233.170 | 4763305.232 | 612453.036 | 4760130.377 |  |  |  |  |
| J30 |  |  | 612085.686 | 4760170.173 |  |  |  |  |
| J31 |  |  | 611802.096 | 4760256.167 |  |  |  |  |
| J32 |  |  | 611444.26 | 4760398.929 |  |  |  |  |
| J33 |  |  | 610705.121 | 4760743.406 |  |  |  |  |
| J34 |  |  | 610119.144 | 4761070.097 |  |  |  |  |
| J35 |  |  | 609911.318 | 4761421.156 |  |  |  |  |
| J36 |  |  | 609536.174 | 4761885.864 |  |  |  |  |
| J37 |  |  | 608570.72 | 4762835.855 |  |  |  |  |
| J38 |  |  | 608218.914 | 4763197.674 |  |  |  |  |

**表8英城子河**

| 序号 | 英城子河左岸保护范围 | | 英城子河左岸管理范围 | | 英城子河右岸保护范围 | | 英城子河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| x | Y | X | Y | X | Y | X | Y |
| J01 | 616246.856 | 4763194.344 | 616293.315 | 4763247.651 | 616237.276 | 4763334.01 | 616290.578 | 4763287.555 |
| J02 | 616400.844 | 4763141.442 | 616392.726 | 4763210.456 | 616350.12 | 4763337.936 | 616382.255 | 4763268.696 |
| J03 | 616529.742 | 4763362.463 | 616464.443 | 4763345.486 | 616348.477 | 4763395.87 | 616412.201 | 4763331.904 |
| J04 | 616548.35 | 4763475.223 | 616461.844 | 4763442.146 | 616372.92 | 4763427.176 | 616398.966 | 4763379.291 |
| J05 | 616554.323 | 4763645.499 | 616485.391 | 4763479.058 | 616384.841 | 4763530.839 | 616416.429 | 4763460.773 |
| J06 | 616455.935 | 4763826.652 | 616493.353 | 4763607.948 | 616342.116 | 4763677.381 | 616444.102 | 4763576.024 |
| J07 | 616396.723 | 4763902.46 | 616464.141 | 4763639.929 | 616298.456 | 4763790.9 | 616390.497 | 4763696.647 |
| J08 | 616256.758 | 4764107.944 | 616432.396 | 4763678.774 | 616179.499 | 4763987.446 | 616349.727 | 4763793.724 |
| J09 | 616116.203 | 4764213.914 | 616402.564 | 4763824.959 | 615975.328 | 4764166.082 | 616258.301 | 4763979.821 |
| J10 | 616165.747 | 4764333.255 | 616229.168 | 4764064.909 | 616022.552 | 4764771.563 | 616114.542 | 4764071.521 |
| J11 | 616203.113 | 4764476.693 | 616065.321 | 4764205.422 | 615793.785 | 4765052.533 | 616066.656 | 4764382.281 |
| J12 | 616139.121 | 4764913.77 | 616122.875 | 4764367.013 | 615941.956 | 4765151.869 | 616108.597 | 4764470.885 |
| J13 | 615959.852 | 4764983.747 | 616150.607 | 4764473.468 | 615592.688 | 4765592.937 | 616060.834 | 4764677.513 |
| J14 | 616095.611 | 4765133.83 | 616101.154 | 4764676.023 | 615280.558 | 4765932.751 | 616067.019 | 4764843.042 |
| J15 | 616023.892 | 4765284.261 | 616068.213 | 4764886.558 | 615092.322 | 4766281.761 | 615836.569 | 4764973.63 |
| J16 | 615850.688 | 4765499.873 | 615879.591 | 4765003.797 | 614153.679 | 4767195.133 | 615841.453 | 4765025.456 |
| J17 | 615620.186 | 4765761.21 | 616020.109 | 4765092.547 | 613104.787 | 4767839.044 | 615999.34 | 4765141.478 |
| J18 | 615290.194 | 4766146.86 | 615991.303 | 4765242.242 | 612292.965 | 4767896.787 | 615799.426 | 4765320.968 |
| J19 | 615195.782 | 4766377.423 | 615837.644 | 4765337.937 |  |  | 615771.827 | 4765449.291 |
| J20 | 614241.324 | 4767314.247 | 615806.879 | 4765471.772 |  |  | 615648.998 | 4765543.332 |
| J21 | 613589.441 | 4767714.44 | 615615.633 | 4765703.628 |  |  | 615449.592 | 4765632.305 |
| J22 | 613126.449 | 4767984.885 | 615474.336 | 4765668.146 |  |  | 615327.68 | 4765950.997 |
| J23 | 612397.211 | 4768028.445 | 615365.383 | 4765965.596 |  |  | 615213.115 | 4766098.102 |
| J24 |  |  | 615247.376 | 4766119.773 |  |  | 615177.397 | 4766240.327 |
| J25 |  |  | 614207.447 | 4767275.407 |  |  | 615129.27 | 4766315.926 |
| J26 |  |  | 613508.813 | 4767704.587 |  |  | 615006.758 | 4766421.391 |
| J27 |  |  | 613118.714 | 4767932.799 |  |  | 614549.834 | 4766758.632 |
| J28 |  |  | 612333.416 | 4767948.618 |  |  | 614223.366 | 4767143.594 |
| J29 |  |  |  |  |  |  | 613550.184 | 4767633.03 |
| J30 |  |  |  |  |  |  | 613112.522 | 4767891.13 |
| J31 |  |  |  |  |  |  | 612310.599 | 4767920.107 |
|  |  |  |  |  |  |  |  |  |

**表9云盘沟河**

| 序号 | 云盘沟河左岸保护范围 | | 云盘沟河左岸管理范围 | | 云盘沟河右岸保护范围 | | 云盘沟河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 632000.777 | 4772108.422 | 632042.141 | 4772078.665 | 632100.253 | 4772056.613 | 632053.045 | 4772073.655 |
| J02 | 631400.247 | 4771385.322 | 631964.646 | 4771951.979 | 632052.205 | 4771972.85 | 632015.265 | 4771932.822 |
| J03 | 631039.595 | 4771010.901 | 631978.509 | 4771927.755 | 631923.101 | 4771761.914 | 631885.709 | 4771799.64 |
| J04 | 630626.632 | 4770592.754 | 631905.871 | 4771871.004 | 631642.193 | 4771488.378 | 631646.621 | 4771566.246 |
| J05 | 630441.939 | 4770321.436 | 631785.943 | 4771703.832 | 631208.537 | 4771078.601 | 631248.057 | 4771195.263 |
| J06 | 630214.474 | 4770088.47 | 631725.756 | 4771690.757 | 630829.037 | 4770590.952 | 631065.034 | 4770930.611 |
| J07 | 630045.561 | 4769892.573 | 631586.546 | 4771536.407 | 630626.623 | 4770419.023 | 630635.409 | 4770500.432 |
| J08 | 629827.457 | 4769634.297 | 631140.313 | 4771120.854 | 630281.299 | 4769928.206 | 630494.27 | 4770166.677 |
| J09 | 629712.344 | 4769291.254 | 630645.002 | 4770534.966 | 629957.692 | 4769569.002 | 630202.476 | 4769830.846 |
| J10 | 629368.651 | 4769063.718 | 630516.298 | 4770345.663 | 629561.523 | 4768959.141 | 630006.132 | 4769713.821 |
| J11 | 629266.397 | 4768763.688 | 630475.176 | 4770265.021 | 629412.358 | 4768592.32 | 629840.658 | 4769378.325 |
| J12 | 629079.002 | 4768390.005 | 630374.078 | 4770208.594 | 629246.77 | 4768293.219 | 629866.722 | 4769306.707 |
| J13 | 628922.191 | 4768227.868 | 630381.032 | 4770190.946 | 629151.73 | 4767972.752 | 629656.959 | 4769096.626 |
| J14 | 628919.81 | 4767753.759 | 630269.564 | 4770059.565 | 628902.45 | 4767577.516 | 629491.216 | 4769009.46 |
| J15 | 628668.23 | 4767686.15 | 630189.445 | 4769898.255 | 628804.454 | 4767173.447 | 629444.725 | 4768811.803 |
| J16 | 628738.397 | 4767307.139 | 630055.563 | 4769826.042 | 628658.475 | 4766926.736 | 629368.93 | 4768730.438 |
| J17 | 628546.552 | 4767072.764 | 629872.559 | 4769612.653 | 628768.235 | 4766047.766 | 629310.924 | 4768461.724 |
| J18 | 628517.832 | 4766827.118 | 629861.487 | 4769574.57 | 628316.405 | 4765632.495 | 629121.151 | 4768145.345 |
| J19 | 628570.605 | 4766453.672 | 629874.248 | 4769491.028 | 627919.436 | 4765007.745 | 629098.284 | 4767948.38 |
| J20 | 628599.551 | 4766272.503 | 629762.721 | 4769393.414 | 627337.92 | 4764684.053 | 628731.166 | 4767616.603 |
| J21 | 628597.838 | 4766006.33 | 629815.602 | 4769287.392 | 626860.626 | 4764449.471 | 628898.127 | 4767363.213 |
| J22 | 628423.406 | 4765875.392 | 629398.122 | 4769021.821 | 626635.723 | 4764358.318 | 628609.464 | 4766991.524 |
| J23 | 628127.481 | 4765639.62 | 629439.492 | 4768721.713 | 626344.007 | 4763968.315 | 628705.442 | 4766734.903 |
| J24 | 627988.103 | 4765391.205 | 629302.119 | 4768411.009 | 626191.639 | 4763631.952 | 628718.841 | 4766564.693 |
| J25 | 627762.621 | 4765074.542 | 629099.666 | 4768204.287 | 626168.713 | 4763282.731 | 628714.754 | 4766416.953 |
| J26 | 627294.738 | 4764832.308 | 628980.156 | 4767835.892 | 626080.145 | 4763058.102 | 628735 | 4766218.302 |
| J27 | 626945.581 | 4764623.928 | 628706.075 | 4767650.059 | 625856.342 | 4762610.753 | 628718.839 | 4766103.177 |
| J28 | 626751.194 | 4764606.303 | 628762.372 | 4767454.49 | 625677.368 | 4761853.289 | 628553.689 | 4765868.495 |
| J29 | 626420.722 | 4764320.483 | 628827.178 | 4767274.657 | 625921.68 | 4761309.503 | 627815.739 | 4764910.541 |
| J30 | 626242.852 | 4764108.312 | 628530.11 | 4767006.168 | 626446.068 | 4761064.259 | 627338.323 | 4764739.281 |
| J31 | 626164.128 | 4763914.806 | 628632.472 | 4766751.207 | 626730.542 | 4760473.786 | 626845.185 | 4764509.087 |
| J32 | 626063.372 | 4763460.905 | 628648.106 | 4766592.402 | 626736.951 | 4760458.571 | 626565.621 | 4764395.177 |
| J33 | 625895.281 | 4762983.627 | 628641.457 | 4766438.245 |  |  | 626368.593 | 4764099.635 |
| J34 | 625675.213 | 4762516.678 | 628674.075 | 4766299.278 |  |  | 626137.599 | 4763645.894 |
| J35 | 625588.848 | 4762250.112 | 628681.201 | 4765989.588 |  |  | 626097.733 | 4763245.754 |
| J36 | 625535.847 | 4761960.215 | 628443.059 | 4765820.737 |  |  | 626015.116 | 4763049.593 |
| J37 | 625641.712 | 4761657.154 | 627636.729 | 4764840.804 |  |  | 625772.017 | 4762618.996 |
| J38 | 626311.369 | 4760979.506 | 626491.877 | 4764445.23 |  |  | 625647.613 | 4762149.15 |
| J39 | 626577.655 | 4760410.934 | 626122.804 | 4763513.616 |  |  | 625873.257 | 4761289.154 |
| J40 |  |  | 626015.228 | 4763192.222 |  |  | 626402.285 | 4761039.936 |
| J41 |  |  | 625605.038 | 4762202.699 |  |  | 626689.48 | 4760441.997 |
| J42 |  |  | 625632.223 | 4761751.213 |  |  |  |  |
| J43 |  |  | 626144.367 | 4761131.865 |  |  |  |  |
| J44 |  |  | 626626.892 | 4760420.323 |  |  |  |  |

**表10石岭河**

| 序号 | 石岭河左岸保护范围 | | 石岭河左岸管理范围 | | 石岭河右岸保护范围 | | 石岭河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 629495.502 | 4771611.641 | 629469.62 | 4771655.418 | 629430.006 | 4771706.138 | 629461.372 | 4771667.946 |
| J02 | 630181.77 | 4772122.53 | 629649.255 | 4771745.366 | 629908.497 | 4772053.293 | 629796.202 | 4771895.646 |
| J03 | 630323.028 | 4772239.514 | 629852.897 | 4771909.302 | 630102.064 | 4772217.451 | 629962.085 | 4772052.917 |
| J04 | 630412.283 | 4772412.787 | 629974.028 | 4772043.065 | 630258.837 | 4772346.972 | 630167.015 | 4772190.756 |
| J05 | 630543.69 | 4772595.508 | 630169.596 | 4772174.563 | 630311.512 | 4772497.204 | 630356.365 | 4772470.049 |
| J06 | 630703.531 | 4772812.332 | 630373.771 | 4772464.636 | 630408.344 | 4772592.609 | 630462.912 | 4772570.657 |
| J07 | 630991.992 | 4772942.584 | 630478.144 | 4772559.041 | 630708.142 | 4772953.534 | 630518.76 | 4772694.229 |
| J08 | 631396.419 | 4773039.001 | 630541.722 | 4772670.676 | 631478.601 | 4773154.46 | 630666.351 | 4772875.654 |
| J09 | 631904.252 | 4773030.161 | 630682.603 | 4772861.369 | 632078.216 | 4773153.024 | 630946.599 | 4772990.749 |
| J10 | 632054.712 | 4773037.12 | 630871.596 | 4772948.76 | 632225.537 | 4772864.157 | 631168.74 | 4773071.914 |
| J11 | 632257.162 | 4772663.371 | 631089.411 | 4773012.141 | 632476.264 | 4772708.383 | 631421.344 | 4773104.824 |
| J12 | 632599.283 | 4772308.783 | 631423.082 | 4773084.348 | 632639.854 | 4772480.709 | 631584.185 | 4773129.766 |
| J13 | 633000.995 | 4772241.472 | 631559.096 | 4773094.412 | 632907.386 | 4772398.096 | 632055.253 | 4773107.827 |
| J14 | 633274.668 | 4772260.507 | 632053.37 | 4773092.138 | 633127.792 | 4772364.117 | 632149.793 | 4772828.256 |
| J15 | 633544.044 | 4772253.799 | 632131.75 | 4772826.861 | 633499.035 | 4772377.724 | 632350.65 | 4772740.237 |
| J16 | 633729.234 | 4772559.3 | 632285.596 | 4772708.225 | 633732.225 | 4772901.254 | 632569.865 | 4772566.057 |
| J17 | 633782.581 | 4772765.931 | 632562.669 | 4772550.321 | 633865.822 | 4773087.952 | 632640.118 | 4772375.55 |
| J18 | 633962.3 | 4772936.522 | 632643.762 | 4772350.323 | 634128.135 | 4773146.218 | 632902.108 | 4772330.587 |
| J19 | 634185.972 | 4773029.535 | 632890.897 | 4772308.023 | 634272.142 | 4773421.427 | 633093.905 | 4772303.635 |
| J20 | 634421.647 | 4773438.87 | 633030.187 | 4772282.387 | 634420.987 | 4773565.99 | 633186.276 | 4772346.714 |
| J21 | 634712.072 | 4773926.232 | 633230.794 | 4772296.294 | 634635.67 | 4774030.472 | 633416.076 | 4772325.095 |
| J22 | 635373.36 | 4774078.753 | 633520.726 | 4772300.719 | 634944.2 | 4774025.914 | 633846.074 | 4772981.733 |
| J23 | 635612.422 | 4774225.773 | 633682.501 | 4772585.036 | 635963.945 | 4774350.054 | 634165.328 | 4773109.136 |
| J24 | 636264.052 | 4774233.345 | 633802.829 | 4772877.5 | 636236.597 | 4774376.862 | 634326.002 | 4773418.917 |
| J25 | 636817.002 | 4774538.554 | 633893.552 | 4773015.123 | 636525.84 | 4774587.917 | 634471.673 | 4773564.231 |
| J26 | 637845.095 | 4774872.64 | 633956.041 | 4772986.159 | 637553.374 | 4774962.563 | 634664.906 | 4773988.398 |
| J27 | 638486.166 | 4774323.113 | 634163.546 | 4773076.875 | 638267.277 | 4774741.873 | 634963.954 | 4773972.755 |
| J28 | 638860.807 | 4774336.867 | 634456.937 | 4773499.989 | 638974.178 | 4774470.901 | 635343.663 | 4774162.757 |
| J29 | 639016.859 | 4774178.354 | 634679.648 | 4773968.173 | 639225.594 | 4773914.549 | 635513.946 | 4774287.659 |
| J30 | 639167.451 | 4773785.179 | 634974.67 | 4773949.651 | 639576.212 | 4773601.365 | 636332.762 | 4774383.844 |
| J31 | 639338.301 | 4773567.669 | 635353.852 | 4774137.632 | 639786.013 | 4773253.469 | 636556.301 | 4774547.834 |
| J32 | 639564.581 | 4773322.751 | 635516.477 | 4774262.655 | 640254.377 | 4772839.723 | 637906.034 | 4774956.154 |
| J33 | 639608.843 | 4773188.002 | 635967.73 | 4774273.279 | 640877.306 | 4772583.921 | 638983.517 | 4774414.073 |
| J34 | 639733.669 | 4773082.075 | 636245.215 | 4774281.945 | 641498.298 | 4772563.05 | 639436.343 | 4773633.434 |
| J35 | 639839.473 | 4772828.324 | 637897.02 | 4774904.704 | 642010.525 | 4772656.148 | 639845.383 | 4773011.692 |
| J36 | 640180.035 | 4772641.919 | 638965.232 | 4774389.259 | 642291.287 | 4772475.449 | 640557.224 | 4772568.487 |
| J37 | 640439.23 | 4772482.642 | 639515.83 | 4773528.351 | 642480.611 | 4772351.495 | 641240.801 | 4772546.834 |
| J38 | 640854.98 | 4772446.99 | 639781.539 | 4773099.207 |  |  | 641917.992 | 4772580.557 |
| J39 | 641457.762 | 4772391.487 | 640161.423 | 4772709.379 |  |  | 642467.581 | 4772300.251 |
| J40 | 641866.165 | 4772479.488 | 640824.068 | 4772493.213 |  |  |  |  |
| J41 | 642201.921 | 4772371.26 | 641870.261 | 4772532.172 |  |  |  |  |
| J42 | 642458.952 | 4772196.077 | 642461.336 | 4772252.883 |  |  |  |  |

**表11龙吟河**

| 序号 | 龙吟河左岸保护范围 | | 龙吟河左岸管理范围 | | 龙吟河右岸保护范围 | | 龙吟河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 644572.062 | 4785481.98 | 644676.274 | 4785440.478 | 645110.193 | 4785395.762 | 644744.579 | 4785435.009 |
| J02 | 644384.417 | 4785218.752 | 644338.477 | 4785080.549 | 644694.264 | 4785166.098 | 644632.206 | 4785250.145 |
| J03 | 644148.916 | 4784709.341 | 644195.755 | 4784619.877 | 644486.433 | 4784991.119 | 644388.959 | 4785048.977 |
| J04 | 643851.885 | 4784200.261 | 643947.637 | 4784155.158 | 644412.624 | 4784802.649 | 644298.79 | 4784776.721 |
| J05 | 643467.396 | 4783359.126 | 643653.262 | 4783596.719 | 644392.062 | 4784529.065 | 644225.311 | 4784507.824 |
| J06 | 643054.651 | 4783007.784 | 643206.94 | 4783034.466 | 644050.662 | 4783972.451 | 644010.54 | 4784064.495 |
| J07 | 642461.704 | 4782548.582 | 642694.189 | 4782635.309 | 643746.425 | 4783460.233 | 643603.612 | 4783300.72 |
| J08 | 642159.049 | 4781940.878 | 642305.329 | 4781990.376 | 643555.383 | 4783111.934 | 643187.661 | 4782919.884 |
| J09 | 641205.612 | 4781347.263 | 641698.144 | 4781518.724 | 643297.657 | 4782900.317 | 642856.847 | 4782652.455 |
| J10 | 640509.376 | 4780668.091 | 640999.35 | 4781125.463 | 643004.304 | 4782687.385 | 642648.033 | 4782364.14 |
| J11 | 639623.726 | 4780251.909 | 640675.782 | 4780824.912 | 642713.948 | 4782468.832 | 642338.178 | 4781938.8 |
| J12 | 639409.507 | 4780019.829 | 640377.725 | 4780511.028 | 642471.943 | 4781926.127 | 641388.309 | 4781301.054 |
| J13 | 638763.96 | 4779667.925 | 640102.55 | 4780429.316 | 641887.33 | 4781443.788 | 640779.483 | 4780949.083 |
| J14 | 638387.291 | 4779198.463 | 639723.773 | 4780221.657 | 640886.071 | 4780917.696 | 640599.856 | 4780555.989 |
| J15 | 637391.047 | 4778544.201 | 639229.709 | 4779900.659 | 640327.476 | 4780308.335 | 639771.481 | 4780211.113 |
| J16 | 636006.301 | 4779034.921 | 638478.103 | 4779482.364 | 639812.275 | 4780097.749 | 639492.787 | 4779868.273 |
| J17 | 635591.672 | 4779479.549 | 638484.684 | 4779145.099 | 639515.312 | 4779765.911 | 638899.14 | 4779577.394 |
| J18 | 635073.558 | 4779872.083 | 637399.646 | 4778438.762 | 638775.27 | 4779400.648 | 638543.988 | 4779386.02 |
| J19 | 634191.855 | 4779380.376 | 635874.076 | 4779027.071 | 638575.897 | 4779021.524 | 637878.341 | 4778718.237 |
| J20 | 633801.645 | 4778653.78 | 635351.036 | 4779691.418 | 637873.941 | 4778597.445 | 637456.944 | 4778370.064 |
| J21 | 633504.356 | 4778430.495 | 634259.339 | 4779300.841 | 637637.059 | 4778406.029 | 635920.336 | 4778934.279 |
| J22 | 633332.862 | 4778184.517 | 633598.276 | 4778372.252 | 636958.984 | 4778426.963 | 635771.45 | 4779314.469 |
| J23 |  |  | 633460.505 | 4778123.607 | 635699.593 | 4779216.026 | 635489.706 | 4779393.277 |
| J24 |  |  |  |  | 635338.125 | 4779550.625 | 635139.378 | 4779753.73 |
| J25 |  |  |  |  | 635180.693 | 4779647.473 | 634812.093 | 4779631.725 |
| J26 |  |  |  |  | 634336.946 | 4779209.378 | 634269.462 | 4779288.913 |
| J27 |  |  |  |  | 634003.137 | 4778564.463 | 633909.425 | 4778606.013 |
| J28 |  |  |  |  | 633861.911 | 4778446.148 | 633612.364 | 4778363.518 |
| J29 |  |  |  |  | 633706.284 | 4778305.275 | 633465.51 | 4778109.468 |
| J30 |  |  |  |  | 633404.6 | 4777981.825 |  |  |

**表12塔子沟河**

| 序号 | 塔子沟河左岸保护范围 | | 塔子沟河左岸管理范围 | | 塔子沟河右岸保护范围 | | 塔子沟河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 616262.103 | 4782242.986 | 616302.043 | 4782212.635 | 616563.653 | 4782191.091 | 616542.044 | 4782165.919 |
| J02 | 616533.082 | 4781757.241 | 616432.24 | 4781797.078 | 616844.081 | 4781949.851 | 616600.05 | 4781989.476 |
| J03 | 616481.522 | 4781493.044 | 616531.639 | 4781510.724 | 616830.335 | 4781545.832 | 616795.546 | 4781879.28 |
| J04 | 616608.279 | 4781293.336 | 616662.972 | 4781321.344 | 617296.698 | 4781005.588 | 616686.108 | 4781696.063 |
| J05 | 616733.878 | 4780848.909 | 616738.919 | 4780899.204 | 617627.901 | 4780503.746 | 616752.512 | 4781545.127 |
| J06 | 617042.486 | 4780726.424 | 617085.071 | 4780769.235 | 618006.001 | 4779608.737 | 616755.36 | 4781443.686 |
| J07 | 617367.973 | 4780298.726 | 617165.292 | 4780568.674 | 618802.212 | 4779142.991 | 616783.617 | 4781341.78 |
| J08 | 617441.014 | 4780030.463 | 617423.778 | 4780309.624 | 619555.144 | 4778217.867 | 616900.156 | 4781179.176 |
| J09 | 617561.32 | 4779842.042 | 617493.294 | 4780175.372 | 620328.531 | 4777402.107 | 617052.95 | 4781034.852 |
| J10 | 617565.332 | 4779644.028 | 617610.959 | 4779826.378 | 620790.831 | 4776706.857 | 617342.893 | 4780838.687 |
| J11 | 617841.966 | 4779404.648 | 617630.067 | 4779600.871 | 621689.279 | 4775454.054 | 617358.36 | 4780598.44 |
| J12 | 618191.27 | 4779139.67 | 617934.453 | 4779448.994 | 622518.99 | 4774779.306 | 617765.836 | 4780233.163 |
| J13 | 618647.418 | 4778827.753 | 618272.084 | 4779216.808 | 623183.112 | 4774122.386 | 617781.682 | 4779884.362 |
| J14 | 618754.305 | 4778595.467 | 618700.235 | 4778849.693 | 624300.994 | 4774337.123 | 618285.776 | 4779506.746 |
| J15 | 619229.206 | 4778030.93 | 619080.196 | 4778125.365 | 625194.75 | 4774286.543 | 618432.831 | 4779197.65 |
| J16 | 619351.568 | 4777800.09 | 619534.572 | 4777799.252 | 625865.991 | 4774294.727 | 618758.511 | 4779109.249 |
| J17 | 619803.034 | 4777447.721 | 619854.939 | 4777491.843 | 626416.035 | 4774253.538 | 618914.487 | 4778718.785 |
| J18 | 620881.76 | 4776213.142 | 620442.118 | 4776927.628 | 626812.951 | 4774306.515 | 619541.43 | 4778164.685 |
| J19 | 621020.544 | 4776020.883 | 620904.776 | 4776260.576 | 627174.146 | 4774299.284 | 619674.101 | 4777808.967 |
| J20 | 621554.613 | 4775390.783 | 621201.507 | 4775882.93 | 627885.457 | 4774160.261 | 620063.833 | 4777581.927 |
| J21 | 621904.305 | 4774844.426 | 621582.461 | 4775434.635 | 628570.929 | 4774246.436 | 620483.169 | 4777026.119 |
| J22 | 622550.809 | 4774630.602 | 621814.067 | 4775044.701 | 629142.405 | 4774224.48 | 621372.123 | 4775779.775 |
| J23 | 623004.98 | 4774074.638 | 622227.096 | 4774763.546 | 629542.009 | 4774165.554 | 621641.893 | 4775329.113 |
| J24 | 623667.929 | 4774009.868 | 622638.371 | 4774637.776 | 629813.295 | 4773983.828 | 622612.947 | 4774704.122 |
| J25 | 624528.128 | 4774270.309 | 622938.837 | 4774212.185 | 630122.7 | 4773608.061 | 623111.207 | 4774085.3 |
| J26 | 625324.664 | 4774146.247 | 623178.675 | 4774036.466 | 630400.292 | 4773185.834 | 623508.021 | 4774098.797 |
| J27 | 625854.658 | 4774159.303 | 623601.569 | 4774042.02 |  |  | 623955.027 | 4774282.739 |
| J28 | 626150.012 | 4774121.404 | 623975.353 | 4774243.29 |  |  | 624718.244 | 4774306.585 |
| J29 | 626427.627 | 4774071.911 | 624611.313 | 4774328.596 |  |  | 625243.066 | 4774225.666 |
| J30 | 626720.967 | 4774106.45 | 625299.768 | 4774189.634 |  |  | 626035.954 | 4774307.982 |
| J31 | 627199.82 | 4774154.469 | 625746.437 | 4774269.996 |  |  | 626435.601 | 4774165.699 |
| J32 | 627531.065 | 4774137.306 | 626190.124 | 4774170.215 |  |  | 626928.402 | 4774311.259 |
| J33 | 627847.712 | 4773994.293 | 626424.557 | 4774123.044 |  |  | 627335.952 | 4774289.066 |
| J34 | 628229.899 | 4774092.96 | 626710.086 | 4774160.039 |  |  | 627932.282 | 4774127.214 |
| J35 | 628970.386 | 4774140.125 | 627079.714 | 4774191.53 |  |  | 628214.005 | 4774214.359 |
| J36 | 629139.53 | 4774079.626 | 627397.457 | 4774227.628 |  |  | 629145.393 | 4774173.028 |
| J37 | 629488.376 | 4774009.796 | 627718.6 | 4774062.534 |  |  | 629743.681 | 4774022.045 |
| J38 | 629606.095 | 4774005.068 | 628045.631 | 4774091.356 |  |  | 629918.074 | 4773843.39 |
| J39 | 629864.484 | 4773762.726 | 628567.556 | 4774148.18 |  |  | 630200.471 | 4773488.41 |
| J40 | 630048.528 | 4773489.503 | 629066.28 | 4774137.901 |  |  | 630330.161 | 4773177.773 |
| J41 | 630197.887 | 4773185.341 | 629638.886 | 4774047.72 |  |  |  |  |
| J42 | 630317.76 | 4773081.494 | 630079.552 | 4773531.882 |  |  |  |  |
| J43 |  |  | 630310.48 | 4773152.891 |  |  |  |  |

**表13东辽河**

| 序号 | 东辽河左岸保护范围 | | 东辽河左岸管理范围 | | 东辽河右岸保护范围 | | 东辽河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 644499.455 | 4788339.859 | 644563.795 | 4788201.037 | 644685.978 | 4788194.613 | 644609.367 | 4788165.55 |
| J02 | 644491.64 | 4788150.175 | 644560.981 | 4788132.756 | 644633.301 | 4788028.314 | 644578.937 | 4788075.598 |
| J03 | 644191.822 | 4788126.53 | 644521.699 | 4788083.685 | 644354.631 | 4787973.922 | 644487.788 | 4788034.318 |
| J04 | 644204.557 | 4787831.742 | 644322.651 | 4788096.404 | 644238.265 | 4787507.705 | 644311.476 | 4788056.754 |
| J05 | 644031.937 | 4787416.799 | 644246.53 | 4788077.785 | 644286.722 | 4787232.801 | 644274.993 | 4788022.57 |
| J06 | 644202.355 | 4786984.495 | 644258.596 | 4787925.964 | 644446.984 | 4786978.938 | 644308.423 | 4787806.268 |
| J07 | 644294.885 | 4786655.345 | 644250.312 | 4787750.906 | 644489.369 | 4786689.456 | 644200.117 | 4787571.412 |
| J08 | 644400.49 | 4786441.672 | 644128.225 | 4787537.343 | 644679.614 | 4786300.365 | 644167.776 | 4787522.794 |
| J09 | 644528.705 | 4786156.665 | 644101.987 | 4787419.895 | 644982.227 | 4786227.435 | 644157.93 | 4787373.465 |
| J10 | 644800.831 | 4786120.393 | 644106.055 | 4787380.322 | 645353.898 | 4785850.273 | 644295.757 | 4787053.766 |
| J11 | 645034.197 | 4785723.615 | 644225.434 | 4787078.772 | 645412.984 | 4785783.461 | 644403.96 | 4786760.88 |
| J12 | 645056.036 | 4785635.384 | 644304.786 | 4786970.407 | 645431.1 | 4785707.526 | 644527.768 | 4786419.646 |
| J13 | 644725.215 | 4785589.863 | 644362.892 | 4786826.857 | 645246.579 | 4785454.677 | 644674.607 | 4786230.14 |
| J14 | 644587.949 | 4785502.921 | 644387.153 | 4786593.388 | 645110.193 | 4785395.762 | 645034.954 | 4786022.654 |
| J15 |  |  | 644464.334 | 4786471.705 |  |  | 645321.502 | 4785735.933 |
| J16 |  |  | 644587.768 | 4786204.722 |  |  | 645242.389 | 4785591.193 |
| J17 |  |  | 644800.04 | 4786192.475 |  |  | 645017.246 | 4785480.596 |
| J18 |  |  | 645022.643 | 4785926.615 |  |  | 644810.512 | 4785463.431 |
| J19 |  |  | 645102.375 | 4785808.871 |  |  | 644744.579 | 4785435.009 |
| J20 |  |  | 645283.87 | 4785706.884 |  |  |  |  |
| J21 |  |  | 645163.762 | 4785611.242 |  |  |  |  |
| J22 |  |  | 644760.374 | 4785493.745 |  |  |  |  |
| J23 |  |  | 644688.045 | 4785447.933 |  |  |  |  |

**表14二道沟河**

| 序号 | 二道沟河左岸保护范围 | | 二道沟河左岸管理范围 | | 二道沟河右岸保护范围 | | 二道沟河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 618780.227 | 4770679.533 | 618683.566 | 4770576.411 | 618615.192 | 4770552.562 | 618667.662 | 4770574.079 |
| J02 | 618693.841 | 4770835.304 | 618699.774 | 4770723.869 | 618585.621 | 4770694.573 | 618630.771 | 4770662.553 |
| J03 | 618391.493 | 4770955.784 | 618474.604 | 4770903.575 | 618612.549 | 4770742.779 | 618668.747 | 4770744.154 |
| J04 | 618034.349 | 4770991.658 | 618351.922 | 4770920.526 | 618448.677 | 4770839.445 | 618462.617 | 4770889.06 |
| J05 | 616413.401 | 4771736.66 | 618292.339 | 4770997.235 | 618322.538 | 4770852.027 | 618353.526 | 4770895.573 |
| J06 | 616092.25 | 4771480.979 | 618037.754 | 4770939.534 | 618280.413 | 4770930.76 | 618322.745 | 4770964.732 |
| J07 | 615973.894 | 4771807.852 | 616912.635 | 4771479.617 | 618218.277 | 4770932.146 | 618207.179 | 4770981.343 |
| J08 | 615629.631 | 4771934.912 | 616437.385 | 4771689.923 | 618019.362 | 4770866.323 | 618022.952 | 4770918.82 |
| J09 | 615485.816 | 4771969.467 | 616260.509 | 4771575.231 | 617379.667 | 4771163.393 | 616419.155 | 4771653.183 |
| J10 | 615286.97 | 4771983.232 | 616221.307 | 4771507.665 | 616452.273 | 4771599.401 | 616230.606 | 4771496.058 |
| J11 | 615088.738 | 4771949.989 | 616162.795 | 4771475.974 | 616286.596 | 4771490.697 | 616175.295 | 4771468.308 |
| J12 |  |  | 616066.283 | 4771414.906 | 616211.199 | 4771432.887 | 616094.119 | 4771394.774 |
| J13 |  |  | 615930.46 | 4771782.721 | 616101.95 | 4771341.023 | 616055.15 | 4771386.064 |
| J14 |  |  | 615719.551 | 4771901.264 | 615866.352 | 4771577.932 | 615921.036 | 4771562.53 |
| J15 |  |  | 615639.177 | 4771879.8 | 615871.463 | 4771752.354 | 615930.66 | 4771696.014 |
| J16 |  |  | 615473.993 | 4771917.398 | 615694.925 | 4771845.271 | 615901.83 | 4771793.995 |
| J17 |  |  | 615284.955 | 4771931.481 | 615509.73 | 4771819.687 | 615742.711 | 4771872.579 |
| J18 |  |  | 615094.788 | 4771900.25 | 615459.333 | 4771852.832 | 615697.51 | 4771899.18 |
| J19 |  |  |  |  | 615332.853 | 4771851.579 | 615644.493 | 4771870.418 |
| J20 |  |  |  |  | 615101.512 | 4771838.53 | 615521.534 | 4771871.768 |
| J21 |  |  |  |  |  |  | 615471.156 | 4771904.901 |
| J22 |  |  |  |  |  |  | 615406.42 | 4771896.094 |
| J23 |  |  |  |  |  |  | 615342.331 | 4771900.999 |
| J24 |  |  |  |  |  |  | 615284.472 | 4771919.061 |
| J25 |  |  |  |  |  |  | 615174.921 | 4771894.015 |
| J26 |  |  |  |  |  |  | 615095.462 | 4771888.269 |

**表15大洼子河**

| 序号 | 大洼子河左岸保护范围 | | 大洼子河左岸管理范围 | | 大洼子河右岸保护范围 | | 大洼子河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 612034.078 | 4777722.829 | 612086.071 | 4777720.068 | 612194.54 | 4777727.756 | 612144.215 | 4777722.835 |
| J02 | 612052.832 | 4777622.488 | 612174.86 | 4777651.569 | 612271.616 | 4777644.881 | 612167.991 | 4777685.27 |
| J03 | 612107.371 | 4777601.186 | 612324.291 | 4777415.19 | 612307.858 | 4777651.818 | 612252.665 | 4777590.35 |
| J04 | 612139.928 | 4777605.846 | 612333.043 | 4777251.633 | 612376.465 | 4777549.634 | 612287.236 | 4777596.966 |
| J05 | 612303.11 | 4777362.02 | 612585.26 | 4777002.632 | 612485.022 | 4777427.141 | 612379.204 | 4777496.663 |
| J06 | 612282.146 | 4777236.621 | 612608.936 | 4776742.753 | 612514.57 | 4777252.14 | 612421.315 | 4777467.471 |
| J07 | 612521.702 | 4776997.203 | 612599.951 | 4776548.674 | 612560.3 | 4777244.68 | 612380.56 | 4777314.698 |
| J08 | 612550.481 | 4776904.696 | 612809.047 | 4776085.181 | 612676.427 | 4777126.348 | 612412.614 | 4777255.461 |
| J09 | 612558.826 | 4776742.949 | 613123.077 | 4775606.426 | 612679.454 | 4777065.46 | 612474.774 | 4777217.725 |
| J10 | 612750.771 | 4776075.901 | 613338.443 | 4775132.627 | 612685.713 | 4776987.167 | 612514.018 | 4777172.74 |
| J11 | 613205.242 | 4775305.403 | 613764.342 | 4774238.728 | 612705.963 | 4776821.382 | 612551.246 | 4777191.166 |
| J12 | 613604.503 | 4774438.653 | 614107.295 | 4774177.613 | 612771.866 | 4776475.366 | 612601.036 | 4777126.093 |
| J13 | 613735.036 | 4774197.343 | 614296.403 | 4774151.813 | 612939.406 | 4776067.015 | 612629.237 | 4777102.538 |
| J14 | 614025.572 | 4774118.548 | 614702.322 | 4774007.373 | 613026.328 | 4776009.057 | 612625.738 | 4777065.55 |
| J15 | 614116.092 | 4774127.996 | 614862.396 | 4774013.907 | 613327.137 | 4775433.279 | 612638.877 | 4777015.543 |
| J16 | 614210.173 | 4774150.664 | 614982.75 | 4773966.311 | 613543.344 | 4775022.177 | 612632.54 | 4776986.375 |
| J17 | 614710.534 | 4773937.627 | 614987.149 | 4773954.064 | 613792.097 | 4774496.713 | 612647.473 | 4776954.729 |
| J18 | 614852.99 | 4773955.768 | 615042.249 | 4773943.16 | 613854.293 | 4774349.972 | 612657.592 | 4776922.673 |
| J19 | 615036.018 | 4773879.611 | 615173.341 | 4773940.499 | 614094.606 | 4774321.382 | 612659.035 | 4776845.421 |
| J20 | 615328.889 | 4773872.977 | 615354.055 | 4773917.767 | 614361.584 | 4774280.462 | 612648.878 | 4776830.18 |
| J21 | 615445.41 | 4773790.905 | 615457.528 | 4773844.163 | 614777.407 | 4774137.714 | 612657.578 | 4776806.258 |
| J22 | 615662.349 | 4773800.437 | 615661.607 | 4773852.216 | 615183.465 | 4774036.426 | 612660.368 | 4776740.174 |
| J23 | 615769.522 | 4773845.003 | 615802.725 | 4773892.609 | 615428.32 | 4773986.532 | 612656.639 | 4776675.762 |
| J24 | 615938.517 | 4773828.733 | 615978.916 | 4773878.626 | 615694.698 | 4773929.844 | 612696.329 | 4776529.292 |
| J25 | 616204.864 | 4773696.005 | 616119.647 | 4773758.949 | 616014.427 | 4774026.266 | 612725.745 | 4776456.051 |
| J26 | 616243.721 | 4773709.732 | 616294.294 | 4773694.569 | 616174.267 | 4773900.265 | 612895.265 | 4776093.374 |
| J27 | 616318.378 | 4773596.324 | 616444.402 | 4773646.923 | 616348.192 | 4773847.354 | 612924.37 | 4776000.921 |
| J28 | 616432.196 | 4773587.439 | 616642.25 | 4773586.769 | 616463.16 | 4773812.806 | 612997.786 | 4775961.583 |
| J29 | 616604.777 | 4773539.354 | 616786.255 | 4773553.999 | 616587.068 | 4773729.624 | 613375.157 | 4775275.471 |
| J30 | 616806.631 | 4773498.142 | 616952.242 | 4773610.1 | 616766.496 | 4773674.736 | 613592.932 | 4774782.362 |
| J31 | 616948.048 | 4773554.648 | 617054.671 | 4773584.221 | 617005.353 | 4773688.939 | 613817.962 | 4774311.25 |
| J32 | 617065.867 | 4773516.032 | 617215.209 | 4773560.368 | 617187.573 | 4773701.581 | 614097.967 | 4774270.167 |
| J33 | 617242.209 | 4773499.477 | 617381.047 | 4773535.468 | 617335.779 | 4773665.408 | 614347.418 | 4774227.746 |
| J34 | 617310.813 | 4773462.455 | 617594.128 | 4773509.008 | 617732.542 | 4773555.847 | 614772.197 | 4774082.043 |
| J35 | 617428.664 | 4773462.408 | 617721.762 | 4773405.003 | 617772.879 | 4773484.383 | 615005.35 | 4774061.56 |
| J36 | 617555.525 | 4773443.006 | 617805.061 | 4773365.105 | 617856.54 | 4773450.144 | 615356.503 | 4773992.076 |
| J37 | 617649.89 | 4773388.598 | 617871.16 | 4773345.536 | 617949.417 | 4773469.66 | 615402.678 | 4773931.532 |
| J38 | 617842.501 | 4773293.274 | 617996.929 | 4773357.505 | 618075.3 | 4773478.964 | 615605.058 | 4773928.07 |
| J39 | 618034.841 | 4773297.898 |  |  |  |  | 616013.941 | 4773970.644 |
| J40 |  |  |  |  |  |  | 616060.454 | 4773921.871 |
| J41 |  |  |  |  |  |  | 616345.984 | 4773795.768 |
| J42 |  |  |  |  |  |  | 616506.474 | 4773746.662 |
| J43 |  |  |  |  |  |  | 616724.225 | 4773624.082 |
| J44 |  |  |  |  |  |  | 616874.421 | 4773659.439 |
| J45 |  |  |  |  |  |  | 617014.42 | 4773628.693 |
| J46 |  |  |  |  |  |  | 617206.009 | 4773654.775 |
| J47 |  |  |  |  |  |  | 617541.038 | 4773586.05 |
| J48 |  |  |  |  |  |  | 617601.532 | 4773606.678 |
| J49 |  |  |  |  |  |  | 617790.884 | 4773430.593 |
| J50 |  |  |  |  |  |  | 617875.498 | 4773402.438 |
| J51 |  |  |  |  |  |  | 618015.721 | 4773441.608 |

**表16砬子沟河**

| 序号 | 砬子沟河左岸保护范围 | | 砬子沟河左岸管理范围 | | 砬子沟河右岸保护范围 | | 砬子沟河右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 630498.254 | 4764312.163 | 630585.24 | 4764324.187 | 612194.54 | 4777727.756 | 630619.643 | 4764355.798 |
| J02 | 630688.424 | 4764208.34 | 630787.438 | 4764230.381 | 612271.616 | 4777644.881 | 630686.307 | 4764324.807 |
| J03 | 630772.051 | 4763938.081 | 630779.629 | 4764089.402 | 612307.858 | 4777651.818 | 630783.557 | 4764296.143 |
| J04 | 630830.608 | 4763780.733 | 630851.451 | 4763834.394 | 612376.465 | 4777549.634 | 630811.267 | 4764265.717 |
| J05 | 630930.389 | 4763581.847 | 630971.211 | 4763612.996 | 612485.022 | 4777427.141 | 630827.996 | 4764168.807 |
| J06 | 631130.582 | 4763430.768 | 631227.366 | 4763376.763 | 612514.57 | 4777252.14 | 630806.999 | 4764076.844 |
| J07 | 631277.152 | 4763139.091 | 631327.113 | 4763150.176 | 612560.3 | 4777244.68 | 630880.131 | 4763844.97 |
| J08 | 631407.499 | 4762884.735 | 631527.236 | 4762802.094 | 612676.427 | 4777126.348 | 630969.24 | 4763693.19 |
| J09 | 631538.701 | 4762625.395 | 631627.04 | 4762476.153 | 612679.454 | 4777065.46 | 631110.128 | 4763557.224 |
| J10 | 631669.509 | 4762311.978 | 631834.915 | 4762142.492 | 612685.713 | 4776987.167 | 631246.953 | 4763450.832 |
| J11 | 631862.473 | 4762062.911 | 632259.356 | 4761764.239 | 612705.963 | 4776821.382 | 631383.345 | 4763412.893 |
| J12 | 632192.721 | 4761780.192 | 632526.328 | 4761517.725 | 612771.866 | 4776475.366 | 631402.549 | 4763324.305 |
| J13 | 632458.398 | 4761512.056 | 632842.161 | 4761190.588 | 612939.406 | 4776067.015 | 631421.253 | 4763193.408 |
| J14 | 632778.182 | 4761224.569 | 632991.01 | 4760919.533 | 613026.328 | 4776009.057 | 631462.799 | 4763058.149 |
| J15 | 632958.583 | 4760880.293 | 633407.657 | 4760251.452 | 613327.137 | 4775433.279 | 631607.867 | 4762751.311 |
| J16 | 633370.601 | 4760157.021 | 633612.483 | 4760008.509 | 613543.344 | 4775022.177 | 631623.771 | 4762584.152 |
| J17 | 633588.79 | 4759964.474 | 634403.04 | 4759550.14 | 613792.097 | 4774496.713 | 631723.72 | 4762484.894 |
| J18 | 634494.262 | 4759343.843 | 634511.995 | 4759375.567 | 613854.293 | 4774349.972 | 631754.223 | 4762287.045 |
| J19 | 634769.454 | 4759257.61 | 634902.758 | 4759189.511 | 614094.606 | 4774321.382 | 631935.214 | 4762116.509 |
| J20 | 635175.778 | 4758778.3 | 635593.524 | 4758338.689 | 614361.584 | 4774280.462 | 632187.974 | 4761901.997 |
| J21 | 635539.653 | 4758350.22 | 636342.294 | 4758412.878 | 614777.407 | 4774137.714 | 632381.987 | 4761715.576 |
| J22 | 635778.511 | 4758326.148 | 637039.955 | 4758523.657 | 615183.465 | 4774036.426 | 632601.863 | 4761505.228 |
| J23 | 636233.431 | 4758400.744 | 637408.773 | 4758695.987 | 615428.32 | 4773986.532 | 632792.824 | 4761364.547 |
| J24 | 636656.754 | 4758355.21 | 637479.261 | 4758871.949 | 615694.698 | 4773929.844 | 632890.207 | 4761173.635 |
| J25 | 637041.433 | 4758470.928 | 637511.772 | 4758976.019 | 616014.427 | 4774026.266 | 633147.718 | 4760830.532 |
| J26 | 637259.647 | 4758506.168 | 637539.59 | 4759095.702 | 616174.267 | 4773900.265 | 633430.15 | 4760333.034 |
| J27 | 637452.507 | 4758671.013 | 637592.245 | 4759243.371 | 616348.192 | 4773847.354 | 633510.864 | 4760100.33 |
| J28 | 637515.446 | 4758821.534 | 637526.728 | 4759475.061 | 616463.16 | 4773812.806 | 634432.275 | 4759577.764 |
| J29 | 637588.098 | 4759078.725 |  |  | 616587.068 | 4773729.624 | 635590.479 | 4758404.088 |
| J30 | 637643.385 | 4759233.509 |  |  | 616766.496 | 4773674.736 | 635943.278 | 4758436.38 |
| J31 | 637612.828 | 4759336.039 |  |  | 617005.353 | 4773688.939 | 636209.184 | 4758477.438 |
| J32 | 637550.735 | 4759539.705 |  |  | 617187.573 | 4773701.581 | 636634.242 | 4758421.741 |
| J33 |  |  |  |  | 617335.779 | 4773665.408 | 636682.429 | 4758443.211 |
| J34 |  |  |  |  | 617732.542 | 4773555.847 | 636722.532 | 4758452.738 |
| J35 |  |  |  |  | 617772.879 | 4773484.383 | 636844.479 | 4758487.026 |
| J36 |  |  |  |  | 617856.54 | 4773450.144 | 637027.604 | 4758550.03 |
| J37 |  |  |  |  | 617949.417 | 4773469.66 | 637110.921 | 4758522.893 |
| J38 |  |  |  |  | 618075.3 | 4773478.964 | 637183.14 | 4758547.029 |
| J39 |  |  |  |  |  |  | 637254.758 | 4758623.083 |
| J40 |  |  |  |  |  |  | 637385.965 | 4758697.712 |
| J41 |  |  |  |  |  |  | 637440.396 | 4758866.37 |
| J42 |  |  |  |  |  |  | 637485.036 | 4759064.5 |
| J43 |  |  |  |  |  |  | 637542.315 | 4759221.862 |
| J44 |  |  |  |  |  |  | 637510.663 | 4759468.194 |
| J45 |  |  |  |  |  |  |  |  |
| J46 |  |  |  |  |  |  |  |  |
| J47 |  |  |  |  |  |  |  |  |
| J48 |  |  |  |  |  |  |  |  |
| J49 |  |  |  |  |  |  |  |  |
| J50 |  |  |  |  |  |  |  |  |

**表17卧龙泉**

| 序号 | 卧龙泉左岸保护范围 | | 卧龙泉左岸管理范围 | | 卧龙泉右岸保护范围 | | 卧龙泉右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 627960.398 | 4773985.615 | 627996.298 | 4773918.475 | 628059.374 | 4773947.989 | 628003.423 | 4773915.766 |
| J02 | 627961.239 | 4773831.826 | 627993.125 | 4773888.243 | 628072.684 | 4773825.959 | 628000.653 | 4773890.311 |
| J03 | 627905.468 | 4773644.17 | 628002.068 | 4773873.935 | 628037.126 | 4773663.23 | 628008.374 | 4773877.221 |
| J04 | 627864.621 | 4773513.566 | 628009.685 | 4773844.202 | 627996.582 | 4773569.778 | 628015.878 | 4773851.958 |
| J05 | 627862.283 | 4773401.688 | 628016.9 | 4773795.702 | 628000.314 | 4773417.438 | 628024.284 | 4773798.991 |
| J06 | 627908.703 | 4773353.283 | 628008.853 | 4773762.602 | 628027.929 | 4773278.578 | 628016.013 | 4773758.011 |
| J07 | 627904.044 | 4773225.046 | 627998.342 | 4773716.327 | 627989.466 | 4773041.976 | 628004.874 | 4773713.582 |
| J08 | 627891.244 | 4773109.436 | 627989.217 | 4773699.872 | 627963.78 | 4772927.097 | 627991.659 | 4773684.435 |
| J09 | 627852.004 | 4772981.221 | 627971.489 | 4773672.57 | 628029.437 | 4772833.202 | 627967.454 | 4773643.888 |
| J10 | 627847.676 | 4772890.915 | 627937.824 | 4773565.297 | 628136.143 | 4772698.328 | 627927.3 | 4773512.039 |
| J11 | 627908.801 | 4772818.157 | 627913.812 | 4773504.407 | 628220.511 | 4772635.365 | 627916.358 | 4773484.476 |
| J12 | 627936.362 | 4772725.931 | 627906.35 | 4773471.844 | 628261.207 | 4772624.061 | 627914.811 | 4773435.258 |
| J13 | 628007.637 | 4772656.206 | 627906.958 | 4773437.449 | 628311.857 | 4772528.601 | 627958.815 | 4773389.521 |
| J14 | 628119.981 | 4772554.875 | 627907.944 | 4773423.772 |  |  | 627963.236 | 4773310.187 |
| J15 | 628190.021 | 4772507.668 | 627956.287 | 4773380.743 |  |  | 627977.974 | 4773275.609 |
| J16 | 628244.856 | 4772438.439 | 627956.177 | 4773324.731 |  |  | 627973.252 | 4773265.843 |
| J17 |  |  | 627970.559 | 4773274.952 |  |  | 627970.059 | 4773240.98 |
| J18 |  |  | 627961.996 | 4773267.319 |  |  | 627971.059 | 4773200.714 |
| J19 |  |  | 627957.883 | 4773251.239 |  |  | 627957.132 | 4773175.083 |
| J20 |  |  | 627961.768 | 4773244.741 |  |  | 627956.643 | 4773146.664 |
| J21 |  |  | 627953.573 | 4773231.9 |  |  | 627952.983 | 4773103.592 |
| J22 |  |  | 627964.61 | 4773198.68 |  |  | 627941.218 | 4773055.718 |
| J23 |  |  | 627962.435 | 4773194.557 |  |  | 627926.842 | 4773026.44 |
| J24 |  |  | 627954.766 | 4773185.639 |  |  | 627914.045 | 4772990.892 |
| J25 |  |  | 627950.814 | 4773170.645 |  |  | 627913.227 | 4772969.498 |
| J26 |  |  | 627950.016 | 4773153.969 |  |  | 627946.305 | 4772871.475 |
| J27 |  |  | 627945.737 | 4773145.721 |  |  | 627960.223 | 4772854.83 |
| J28 |  |  | 627949.833 | 4773125.508 |  |  | 627983.933 | 4772801.961 |
| J29 |  |  | 627933.81 | 4773074.233 |  |  | 627997.417 | 4772771.664 |
| J30 |  |  | 627912.97 | 4773018.494 |  |  | 628041.807 | 4772715.952 |
| J31 |  |  | 627904.061 | 4772975.269 |  |  | 628078.91 | 4772682.231 |
| J32 |  |  | 627902.513 | 4772884.576 |  |  | 628158.32 | 4772621.5 |
| J33 |  |  | 627963.49 | 4772801.413 |  |  | 628224.398 | 4772582.882 |
| J34 |  |  | 627987.458 | 4772729.517 |  |  | 628249.852 | 4772528.992 |
| J35 |  |  | 628031.639 | 4772709.293 |  |  |  |  |
| J36 |  |  | 628078.964 | 4772669.407 |  |  |  |  |
| J37 |  |  | 628159.28 | 4772596.676 |  |  |  |  |
| J38 |  |  | 628222.9 | 4772554.106 |  |  |  |  |
| J39 |  |  | 628245.39 | 4772522.989 |  |  |  |  |

**表18仙马泉**

| 序号 | 仙马泉左岸保护范围 | | 仙马泉左岸管理范围 | | 仙马泉右岸保护范围 | | 仙马泉右岸管理范围 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X | Y | X | Y | X | Y | X | Y |
| J01 | 616853.696 | 4787105.613 | 616930.786 | 4787092.984 | 616991.438 | 4787186.72 | 616979.442 | 4787121.634 |
| J02 | 616941.835 | 4786934.164 | 616980.248 | 4786970.482 | 617050.635 | 4787112.63 | 617010.279 | 4786998.714 |
| J03 | 617003.281 | 4786906.103 | 617041.363 | 4786949.512 | 617083.846 | 4787033.775 | 617072.77 | 4786972.529 |
| J04 | 617085.762 | 4786597.032 | 617139.233 | 4786700.098 | 617219.658 | 4786550.676 | 617150.904 | 4786804.634 |
| J05 | 617075.013 | 4786464.99 | 617133.618 | 4786566.045 | 617459.14 | 4786307.823 | 617169.869 | 4786556.777 |
| J06 | 617384.193 | 4786179.772 | 617168.534 | 4786430.189 | 617576.581 | 4786082.359 | 617284.867 | 4786396.107 |
| J07 | 617449.361 | 4786151.378 | 617324.347 | 4786282.086 | 617613.377 | 4785921.576 | 617456.163 | 4786252.742 |
| J08 | 617481.987 | 4785979.681 | 617504.177 | 4786223.548 | 617678.416 | 4785848.805 | 617607.436 | 4786236.065 |
| J09 | 617479.719 | 4785841.539 | 617566 | 4786210.675 | 617815.105 | 4785824.829 | 617525.52 | 4786102.576 |
| J10 | 617668.118 | 4785678.281 | 617477.191 | 4786095.197 | 617982.547 | 4785803.651 | 617571.847 | 4785972.92 |
| J11 | 617868.056 | 4785699.776 | 617532.18 | 4786001.682 | 618270.41 | 4785588.889 | 617542.461 | 4785910.935 |
| J12 | 618134.756 | 4785460.311 | 617555.125 | 4785860.459 | 618374.065 | 4785513.231 | 617650.297 | 4785806.32 |
| J13 | 618373.172 | 4785335.548 | 617670.473 | 4785729.214 | 618569.36 | 4785321.479 | 617784.94 | 4785780.51 |
| J14 | 618554.211 | 4785158.691 | 617811.951 | 4785737.893 | 618791.029 | 4785166.376 | 617912.572 | 4785794.572 |
| J15 | 618841.628 | 4785033.022 | 617910.594 | 4785752.522 | 619129.8 | 4785304.452 | 617986.264 | 4785644.39 |
| J16 | 619017.578 | 4785091.188 | 618107.273 | 4785510.118 | 619480.544 | 4785296.664 | 618181.69 | 4785567.388 |
| J17 | 619418.357 | 4785137.993 | 618222.965 | 4785482.765 | 619795.272 | 4785203.689 | 618262.379 | 4785467.439 |
| J18 | 619597.355 | 4785181.832 | 618206.017 | 4785344.469 | 620203.761 | 4785187.505 | 618260.454 | 4785392.129 |
| J19 | 619834.778 | 4785031.44 | 618351.649 | 4785380.922 | 620559.898 | 4784912.906 | 618353.278 | 4785436.759 |
| J20 | 620159.595 | 4785044.338 | 618417.478 | 4785358.922 | 620619.303 | 4784701.055 | 618477.244 | 4785313.154 |
| J21 | 620457.679 | 4784786.917 | 618527.345 | 4785200.971 | 620931.933 | 4784583.88 | 618596.541 | 4785257.44 |
| J22 | 620854.773 | 4784442.753 | 618621.156 | 4785221.332 | 621277.928 | 4784514.753 | 618695.504 | 4785321.571 |
| J23 | 621242.749 | 4784356.145 | 618710.698 | 4785111.077 | 621393.131 | 4784385.819 | 618791.606 | 4785105.037 |
| J24 | 621441.97 | 4784249.839 | 618825 | 4785081.353 | 621639.094 | 4784324.856 | 619000.977 | 4785177.844 |
| J25 | 621765.713 | 4784164.66 | 619007.311 | 4785142.128 | 621974.139 | 4784260.674 | 619142.637 | 4785254.406 |
| J26 | 621998.781 | 4784021.5 | 619151.026 | 4785216.003 | 622124.702 | 4784086.471 | 619408.147 | 4785243.963 |
| J27 |  |  | 619398.176 | 4785201.891 |  |  | 619507.346 | 4785235.053 |
| J28 |  |  | 619499.154 | 4785182.455 |  |  | 619541.373 | 4785331.003 |
| J29 |  |  | 619590.258 | 4785272.78 |  |  | 619607.403 | 4785336.405 |
| J30 |  |  | 619685.964 | 4785151.401 |  |  | 619707.658 | 4785178.053 |
| J31 |  |  | 619818.805 | 4785080.487 |  |  | 619811.165 | 4785114.594 |
| J32 |  |  | 619884.238 | 4785139.669 |  |  | 619845.58 | 4785220.201 |
| J33 |  |  | 619890.795 | 4785207.211 |  |  | 619961.127 | 4785222.598 |
| J34 |  |  | 619944.66 | 4785190.909 |  |  | 620105.786 | 4785155.155 |
| J35 |  |  | 620019.089 | 4785133.925 |  |  | 620192.03 | 4785131.244 |
| J36 |  |  | 620097.742 | 4785108.496 |  |  | 620246.366 | 4785046.91 |
| J37 |  |  | 620162.172 | 4785105.56 |  |  | 620330.379 | 4784988.859 |
| J38 |  |  | 620208.675 | 4785069.726 |  |  | 620531.769 | 4784869.47 |
| J39 |  |  | 620298.416 | 4784967.568 |  |  | 620542.867 | 4784731.689 |
| J40 |  |  | 620510.776 | 4784820.519 |  |  | 620639.089 | 4784634.775 |
| J41 |  |  | 620537.182 | 4784638.914 |  |  | 620916.771 | 4784506.877 |
| J42 |  |  | 620713.994 | 4784564.82 |  |  | 621119.68 | 4784459.548 |
| J43 |  |  | 620912.144 | 4784470.487 |  |  | 621255.925 | 4784464.006 |
| J44 |  |  | 621099.905 | 4784430.051 |  |  | 621379.303 | 4784330.817 |
| J45 |  |  | 621377.203 | 4784296.424 |  |  | 621593.467 | 4784276.436 |
| J46 |  |  | 621572.307 | 4784246.698 |  |  | 621850.688 | 4784239.229 |
| J47 |  |  | 621736.969 | 4784233.785 |  |  | 622001.612 | 4784181.725 |
| J48 |  |  | 622015.093 | 4784099.331 |  |  | 622057.474 | 4784108.047 |