

IF NOT 20 mm AS SHOWN SCALES

SCALE(S) SHOWN ARE INTENDED FOR TABLOID (11X17) SIZE DRAWINGS UNLESS NOTICED OTHERWISE



Legend:

- + Erosion Site
- 3.0 L/s/ha Ratio to Existing**
- ≥ 1.4
- > 1.3 - 1.4
- > 1.2 - 1.3
- > 1.1 - 1.2
- > 1.0 - 1.1
- ≤ 1.0

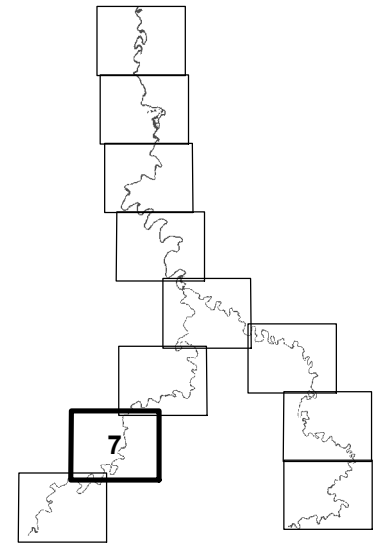


FIGURE No. D-18

BLACKMUD/WHITEMUD CREEK
WATERSHED MANAGEMENT STUDY

FUTURE DEVELOPMENT DISCHARGE RATE
3.0 L/s/ha RATIO TO EXISTING -
100 YEAR FLOOD VELOCITY

AE PROJECT No.	2016-3785
SCALE	1:5,000
APPROVED	
DATE	2017 MARCH
REV	
DESCRIPTION	ISSUED FOR REPORT

IF NOT 20 mm AS SHOWN SCALES

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Legend:

- + Erosion Site
- 3.0 L/s/ha Ratio to Existing**
- ≥ 1.4
- > 1.3 - 1.4
- > 1.2 - 1.3
- > 1.1 - 1.2
- > 1.0 - 1.1
- ≤ 1.0

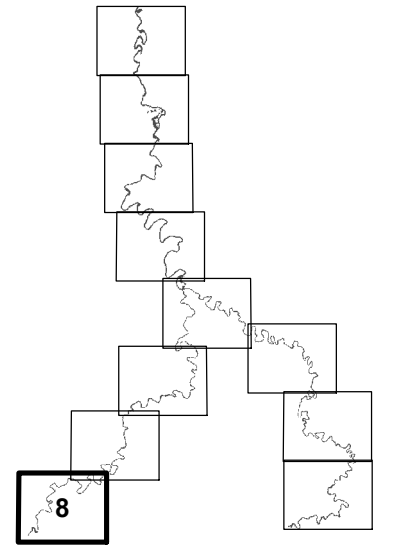


FIGURE No. D-19

BLACKMUD/WHITEMUD CREEK
WATERSHED MANAGEMENT STUDY

FUTURE DEVELOPMENT DISCHARGE RATE
3.0 L/s/ha RATIO TO EXISTING -
100 YEAR FLOOD VELOCITY

AE PROJECT No.	2016-3785
SCALE	1:5,000
APPROVED	
DATE	2017 MARCH
REV	
DESCRIPTION	ISSUED FOR REPORT

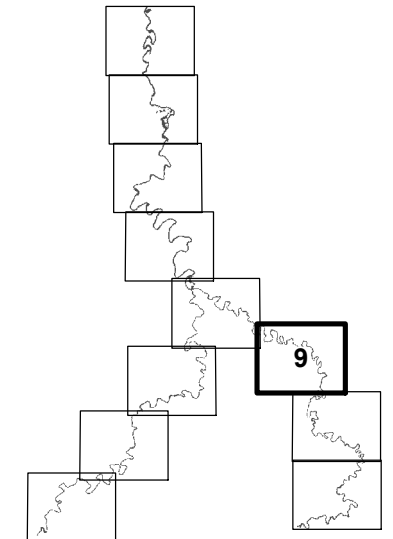


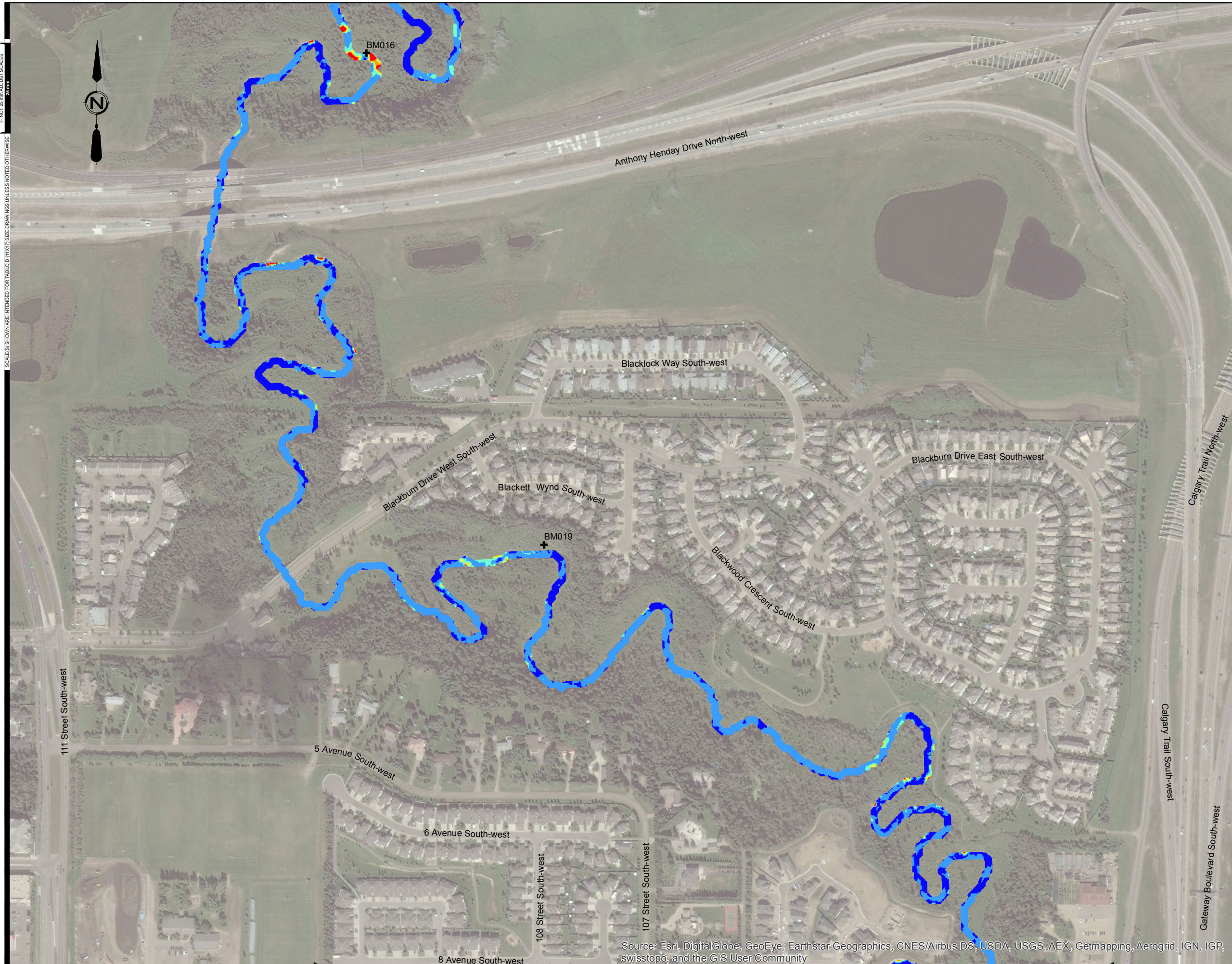
FIGURE No. D-20
 BLACKMUD/WHITEMUD CREEK
 WATERSHED MANAGEMENT STUDY

FUTURE DEVELOPMENT DISCHARGE RATE
 3.0 L/s/ha RATIO TO EXISTING -
 100 YEAR FLOOD VELOCITY

AE PROJECT No.	2016-3785
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DATE	2017 MARCH
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IF NOT 20 mm AS NOTED OTHERWISE

SCALE(S) SHOWN ARE INTENDED FOR TABLORD (11X17) SIZE DRAWINGS UNLESS NOTED OTHERWISE



Legend:

- + Erosion Site
- 3.0 L/s/ha Ratio to Existing**
- Red square: ≥ 1.4
- Orange square: $> 1.3 - 1.4$
- Yellow square: $> 1.2 - 1.3$
- Light blue square: $> 1.1 - 1.2$
- Medium blue square: $> 1.0 - 1.1$
- Dark blue square: ≤ 1.0

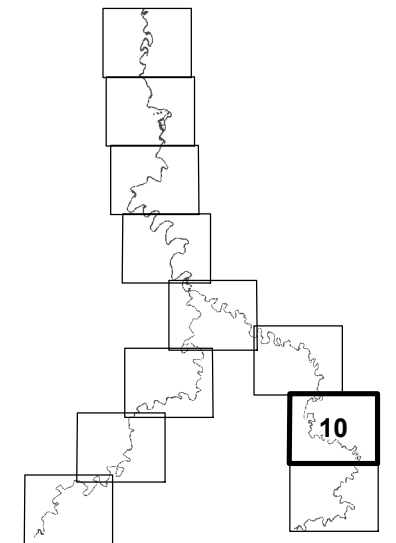
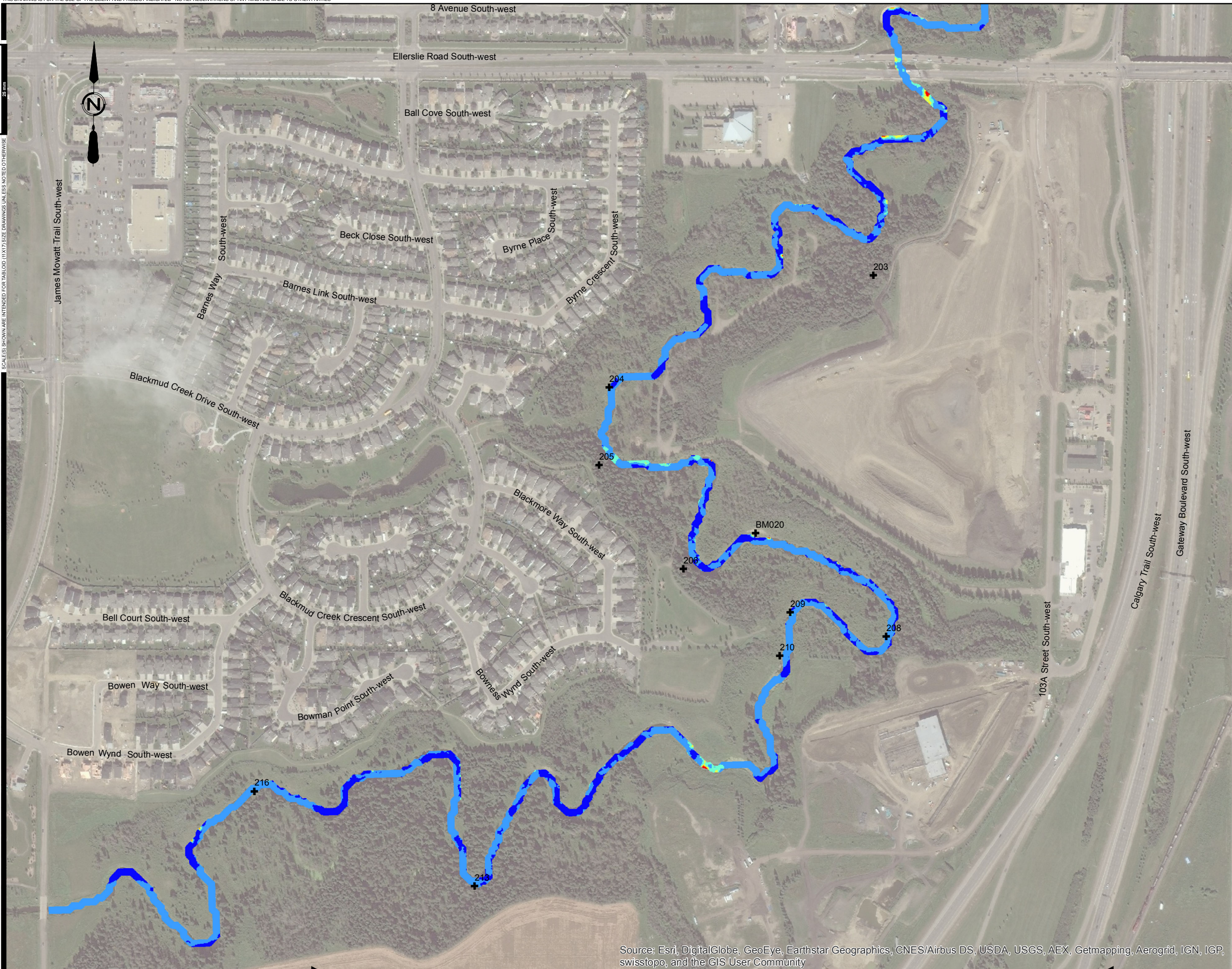


FIGURE No. D-21
BLACKMUD/WHITEMUD CREEK
WATERSHED MANAGEMENT STUDY

FUTURE DEVELOPMENT DISCHARGE RATE
3.0 L/s/ha RATIO TO EXISTING -
100 YEAR FLOOD VELOCITY

AE PROJECT No.	2016-3785
SCALE	1:5,000
APPROVED	
DATE	2017 MARCH
REV	
DESCRIPTION	ISSUED FOR REPORT

SCALE(S) SHOWN ARE INTENDED FOR TABLORD (11X17) SIZE DRAWINGS UNLESS NOTICED OTHERWISE
 1" = 200' AS SHOWN ON THIS SCALE



Legend:

- + Erosion Site

3.0 L/s/ha Ratio to Existing

- Red: ≥ 1.4
- Orange: $> 1.3 - 1.4$
- Yellow: $> 1.2 - 1.3$
- Light Green: $> 1.1 - 1.2$
- Blue: $> 1.0 - 1.1$
- Dark Blue: ≤ 1.0

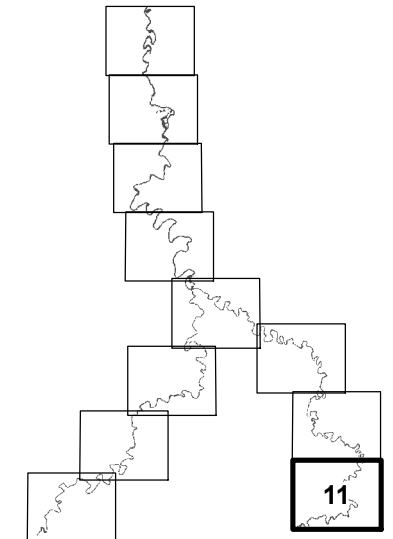


FIGURE No. D-22

BLACKMUD/WHITEMUD CREEK
 WATERSHED MANAGEMENT STUDY

FUTURE DEVELOPMENT DISCHARGE RATE
 3.0 L/s/ha RATIO TO EXISTING -
 100 YEAR FLOOD VELOCITY

AE PROJECT No.	2016-3785
SCALE	1:5,000
APPROVED	
DATE	2017 MARCH
REV	
DESCRIPTION	ISSUED FOR REPORT

SCALE(S) SHOWN ARE INTENDED FOR TABLORD (11X17) SIZE DRAWINGS UNLESS NOTICED OTHERWISE

IF NOT 20 mm AS JUST SCALES

P:\2017\6500_Blackmud\WhitemudWorking_Dwg\010_GIS\Act\Map\02_WaterResources\500_FutureDevelopment_Velocity.mxd
DATE: 3/24/2017



Legend:

5.0 L/s/ha Ratio to Existing

- ≥ 1.4
- $> 1.3 - 1.4$
- $> 1.2 - 1.3$
- $> 1.1 - 1.2$
- $> 1.0 - 1.1$
- ≤ 1.0

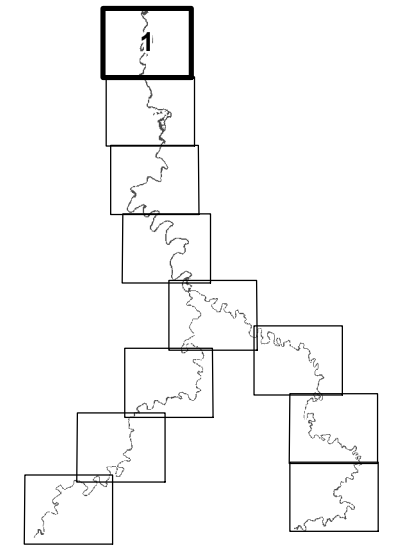


FIGURE No. D-23

BLACKMUD/WHITEMUD CREEK
WATERSHED MANAGEMENT STUDY

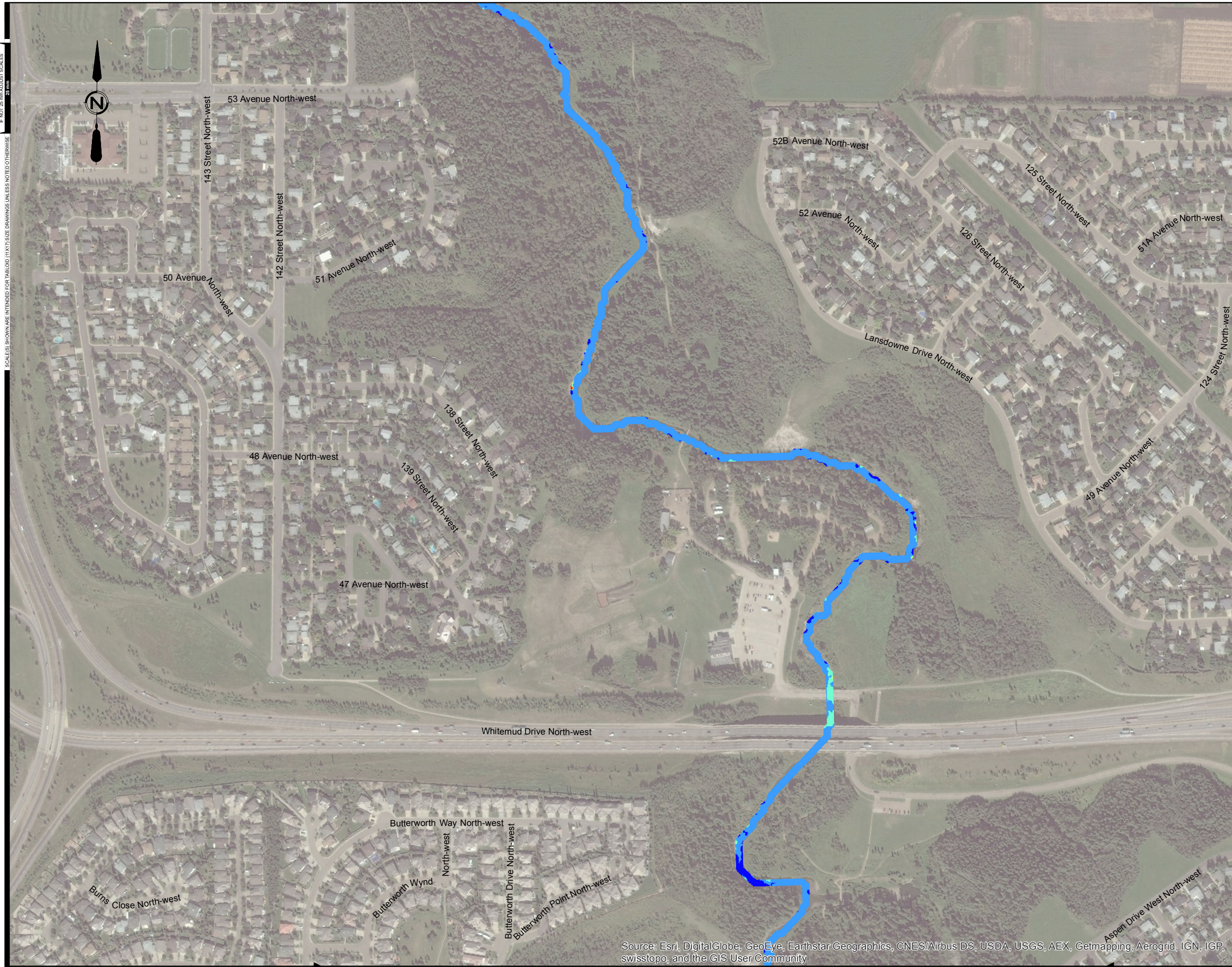
FUTURE DEVELOPMENT DISCHARGE RATE
5.0 L/s/ha RATIO TO EXISTING -
100 YEAR FLOOD VELOCITY

AE PROJECT No.	2016-3785
SCALE	1:5,000
APPROVED	
DATE	2017 MARCH
REV	
DESCRIPTION	ISSUED FOR REPORT

SCALE(S) SHOWN ARE INTENDED FOR TABLOID (11X17) SIZE DRAWINGS UNLESS NOTICED OTHERWISE

SCALE(S) SHOWN ARE INTENDED FOR TABLOID (11X17) SIZE DRAWINGS UNLESS NOTICED OTHERWISE

P:\2016378500_Blackmud\WhitemudWorking_Dwg\010_GIS\Act\Map\02_WaterResources\5000_FutureDevelopment_Velocity.mxd
DATE: 3/24/2017



Legend:

5.0 L/s/ha Ratio to Existing

- ≥ 1.4
- > 1.3 - 1.4
- > 1.2 - 1.3
- > 1.1 - 1.2
- > 1.0 - 1.1
- ≤ 1.0

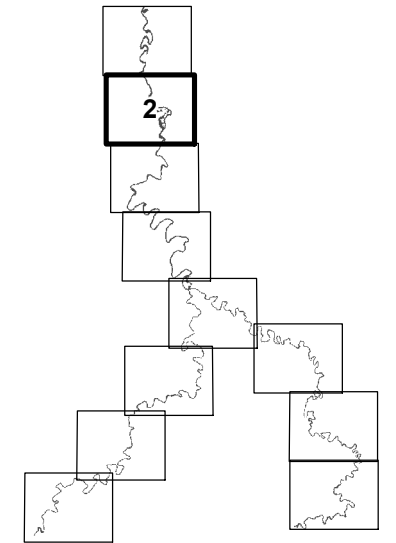


FIGURE No. D-24

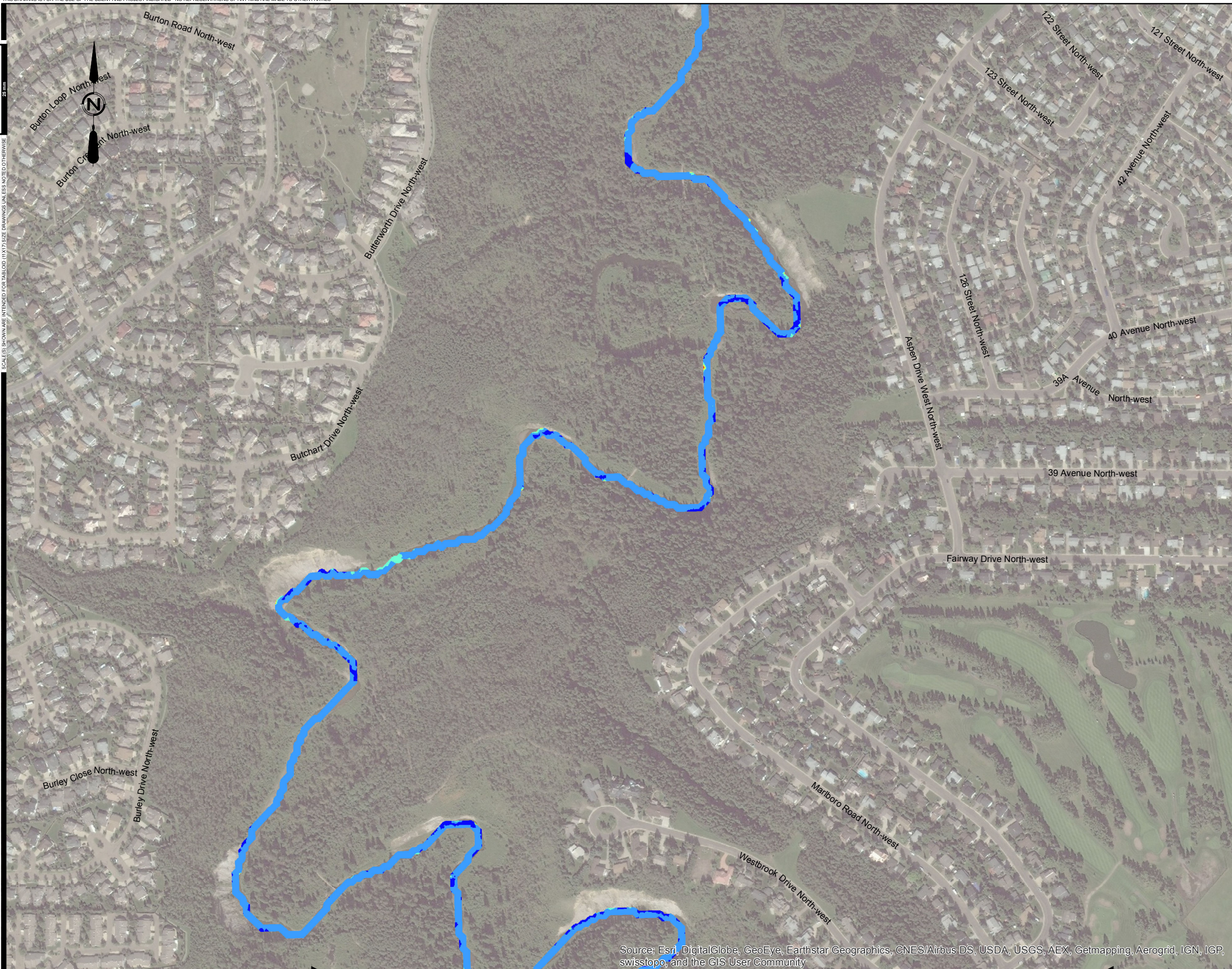
BLACKMUD/WHITEMUD CREEK
WATERSHED MANAGEMENT STUDY

FUTURE DEVELOPMENT DISCHARGE RATE
5.0 L/s/ha RATIO TO EXISTING -
100 YEAR FLOOD VELOCITY

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IF NOT 20 mm AS SHOWN SCALES

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Legend:

5.0 L/s/ha Ratio to Existing

- ≥ 1.4
- > 1.3 - 1.4
- > 1.2 - 1.3
- > 1.1 - 1.2
- > 1.0 - 1.1
- ≤ 1.0

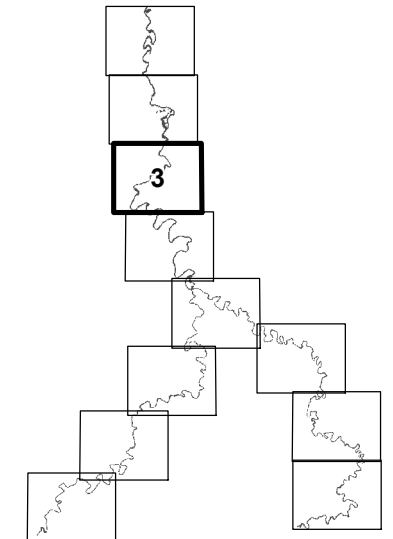


FIGURE No. D-25

BLACKMUD/WHITEMUD CREEK
WATERSHED MANAGEMENT STUDY

FUTURE DEVELOPMENT DISCHARGE RATE
5.0 L/s/ha RATIO TO EXISTING -
100 YEAR FLOOD VELOCITY

AE PROJECT No.	2016-3785
SCALE	1:5,000
APPROVED	
DATE	2017 MARCH
REV	
DESCRIPTION	ISSUED FOR REPORT

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community