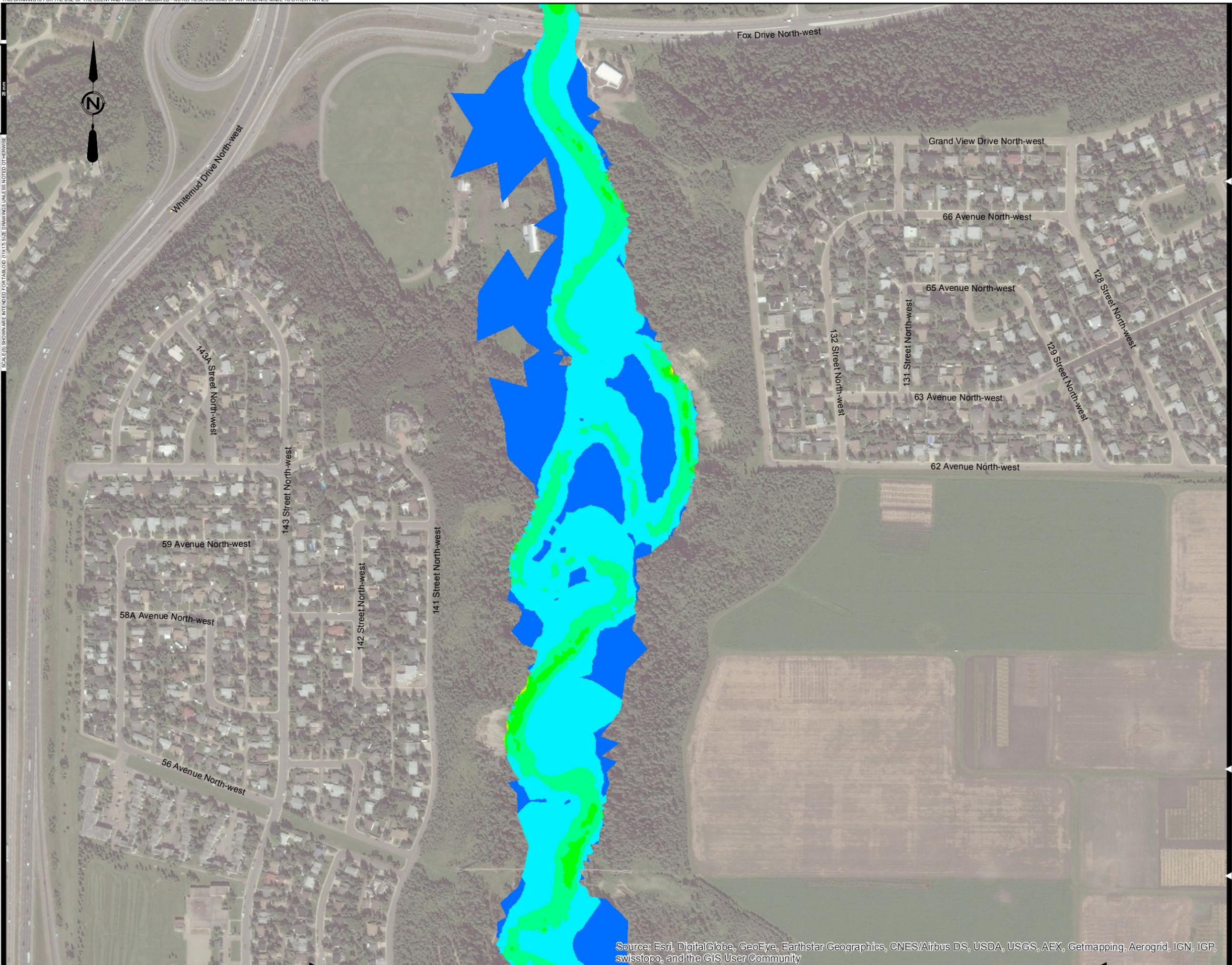


Appendix C - 2D Velocities

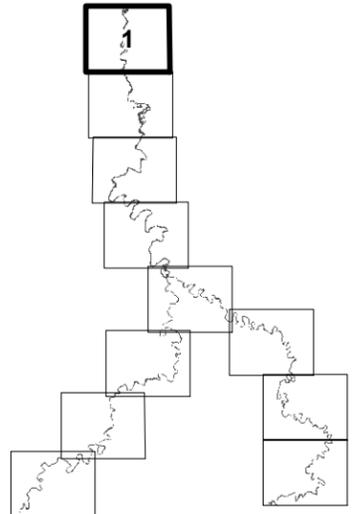


IF NOT 24" x 36" AS SHOWN SCALES

SCALES SHOWN ARE INTENDED FOR TABLET (11x17) SIZE DRAWINGS UNLESS NOTED OTHERWISE



- Legend:
- Velocity (1.5 L/s/ha)**
- >3.5 - 4.0
  - >3.0 - 3.5
  - >2.5 - 3.0
  - >2.0 - 2.5
  - >1.5 - 2.0
  - >1.0 - 1.5
  - >0.5 - 1.0
  - >0.0 - 0.5

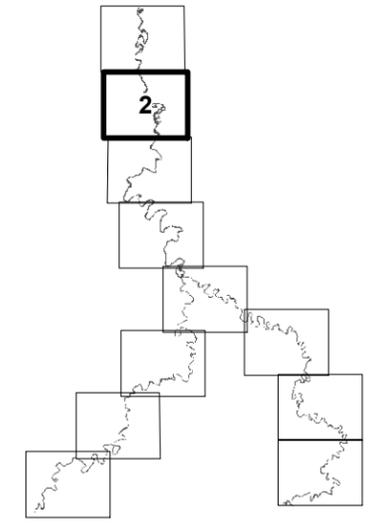
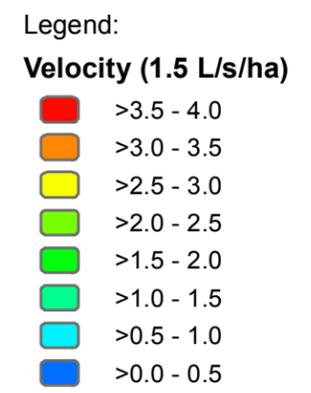
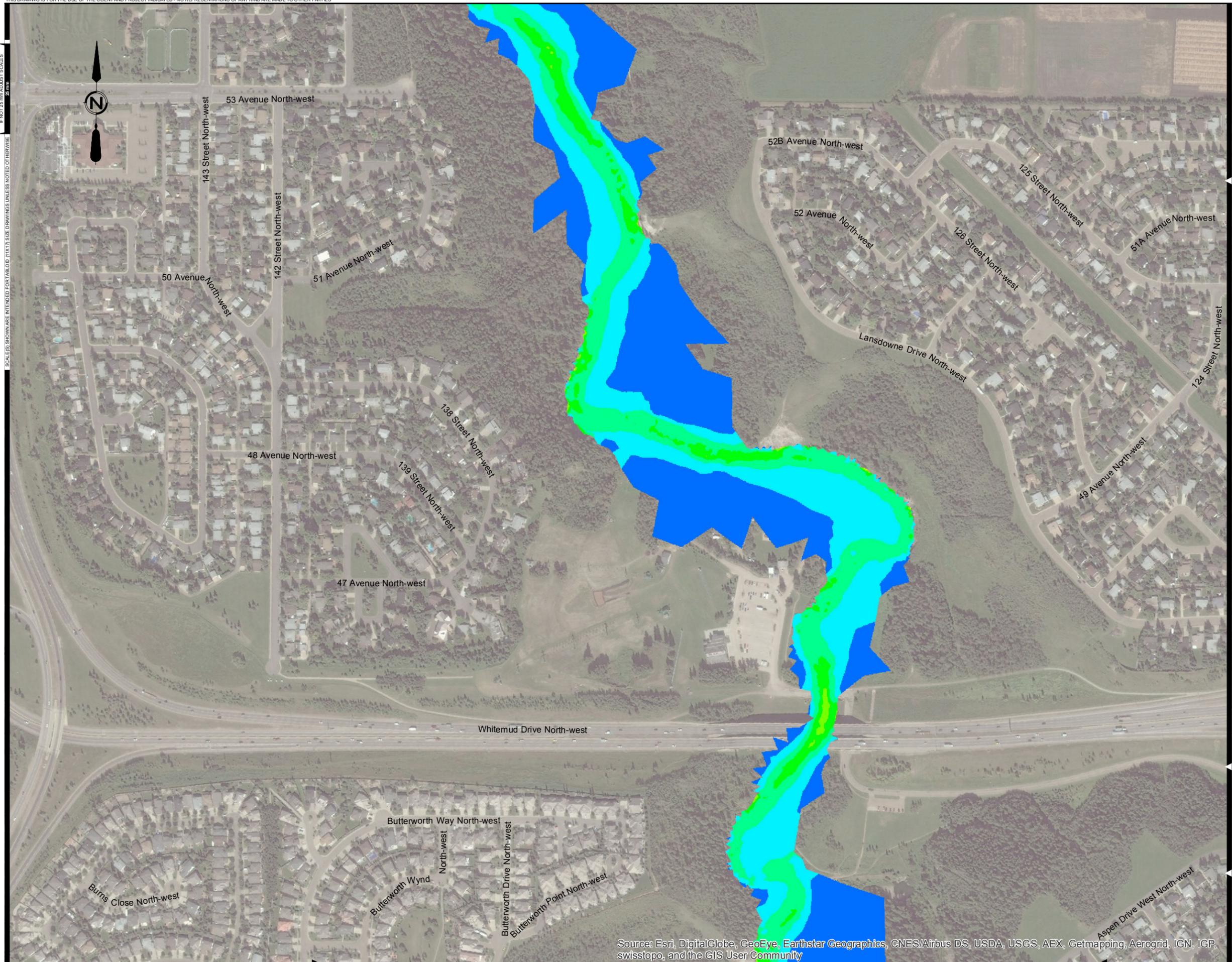


**FIGURE No. C-1**  
 BLACKMUD/WHITEMUD CREEK  
 WATERSHED MANAGEMENT STUDY  
 FUTURE DEVELOPMENT DISCHARGE RATE  
 1.5 L/s/ha - 100 YEAR FLOOD VELOCITY

<b>AE PROJECT No.</b>	2016-3785
<b>SCALE</b>	1:5,000
<b>APPROVED DATE</b>	2017 MARCH
<b>REV DESCRIPTION</b>	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

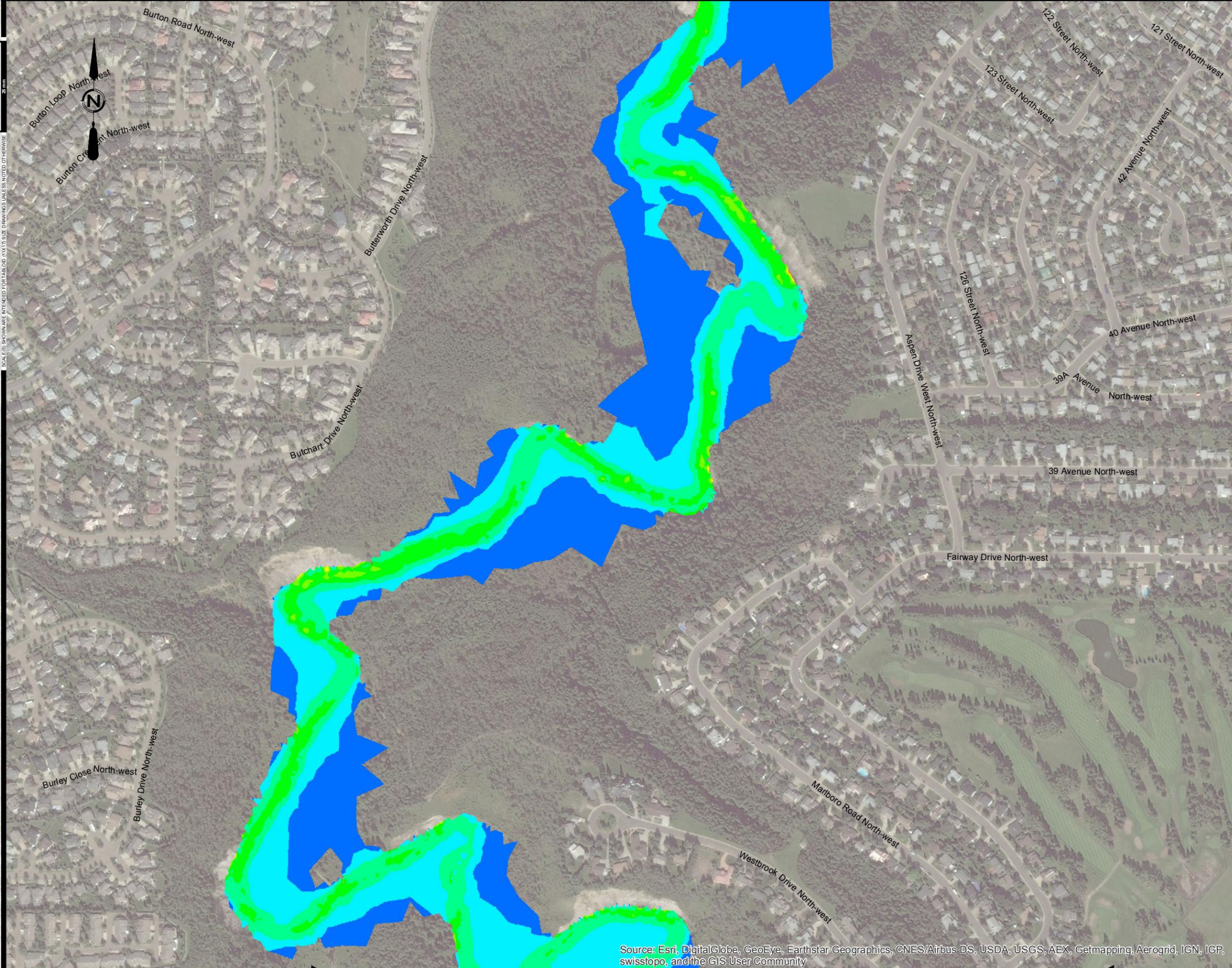
SCALE(S) SHOWN ARE INTENDED FOR TABLET (11X17) SIZE DRAWINGS UNLESS NOTICED OTHERWISE  
 IF NOT 24" x 36" ASBEST SCALE



**FIGURE No. C-2**  
 BLACKMUD/WHITEMUD CREEK  
 WATERSHED MANAGEMENT STUDY  
 FUTURE DEVELOPMENT DISCHARGE RATE  
 1.5 L/s/ha - 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



Legend:

Velocity (1.5 L/s/ha)

- >3.5 - 4.0
- >3.0 - 3.5
- >2.5 - 3.0
- >2.0 - 2.5
- >1.5 - 2.0
- >1.0 - 1.5
- >0.5 - 1.0
- >0.0 - 0.5

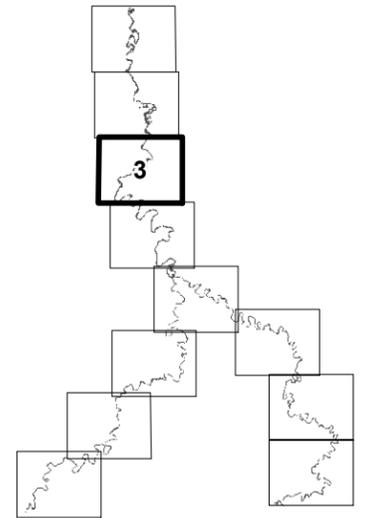


FIGURE No. C-3

BLACKMUD/WHITEMUD CREEK  
WATERSHED MANAGEMENT STUDY

FUTURE DEVELOPMENT DISCHARGE RATE  
1.5 L/s/ha - 100 YEAR FLOOD VELOCITY

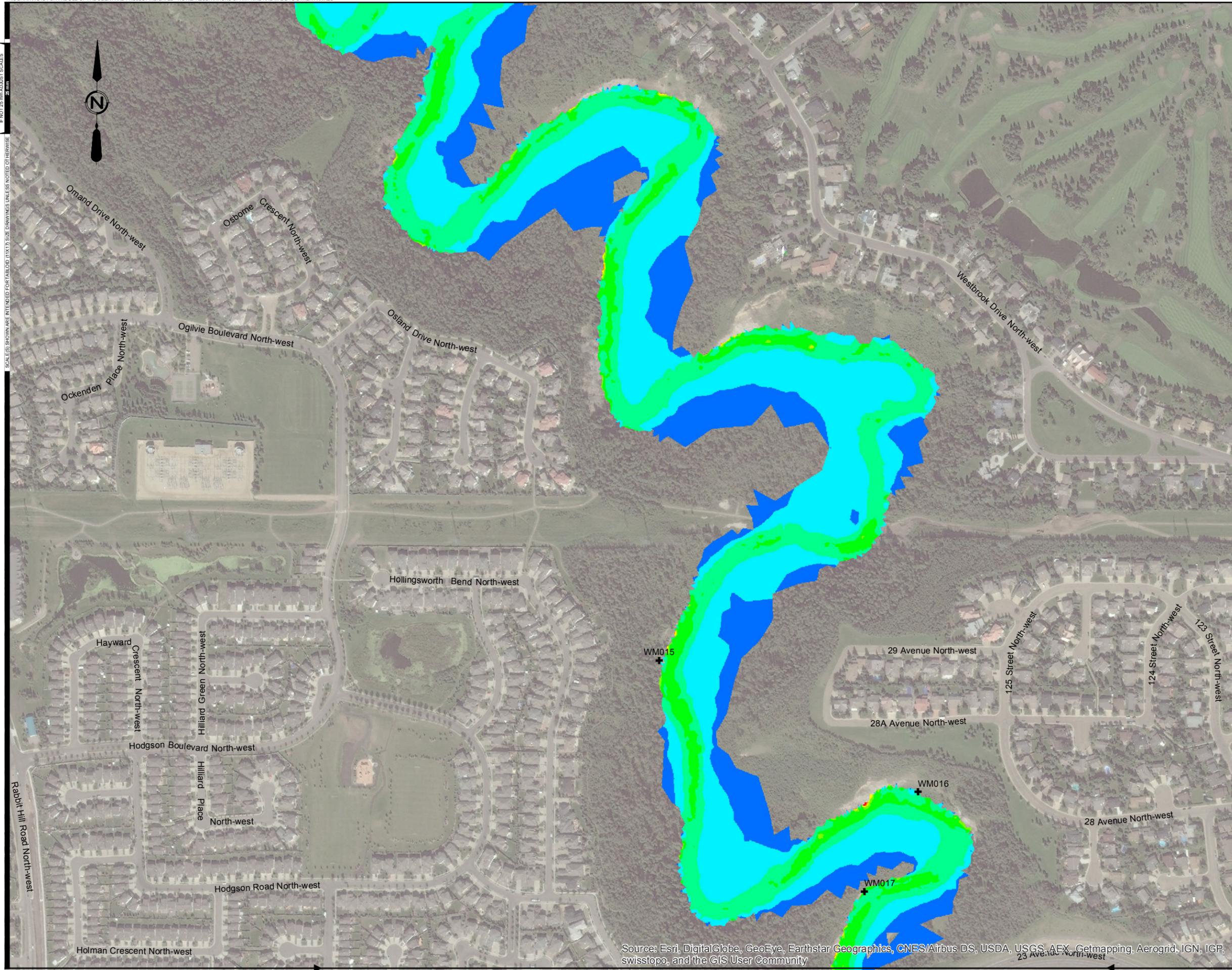
AE PROJECT No.	2016-3785
SCALE	1:5,000
APPROVED DATE	2017 MARCH
REV DESCRIPTION	ISSUED FOR REPORT

SCALE(S) SHOWN ARE INTENDED FOR TABLED (1:1) SIZE DRAWINGS UNLESS NOTED OTHERWISE

IF NOT 24" x 36" AS SHOWN SCALES

SCALE(S) SHOWN ARE INTENDED FOR TABLED (1:1) SIZE DRAWINGS UNLESS NOTED OTHERWISE

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DATE: 3/21/2017



Legend:

- + Erosion Site
- Velocity (1.5 L/s/ha)**
- >3.5 - 4.0
- >3.0 - 3.5
- >2.5 - 3.0
- >2.0 - 2.5
- >1.5 - 2.0
- >1.0 - 1.5
- >0.5 - 1.0
- >0.0 - 0.5

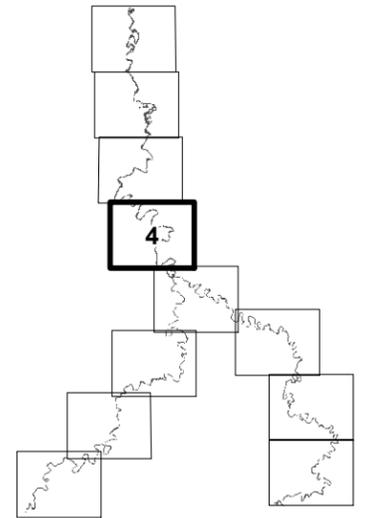


FIGURE No. C-4

BLACKMUD/WHITEMUD CREEK  
WATERSHED MANAGEMENT STUDY

FUTURE DEVELOPMENT DISCHARGE RATE  
1.5 L/s/ha - 100 YEAR FLOOD VELOCITY

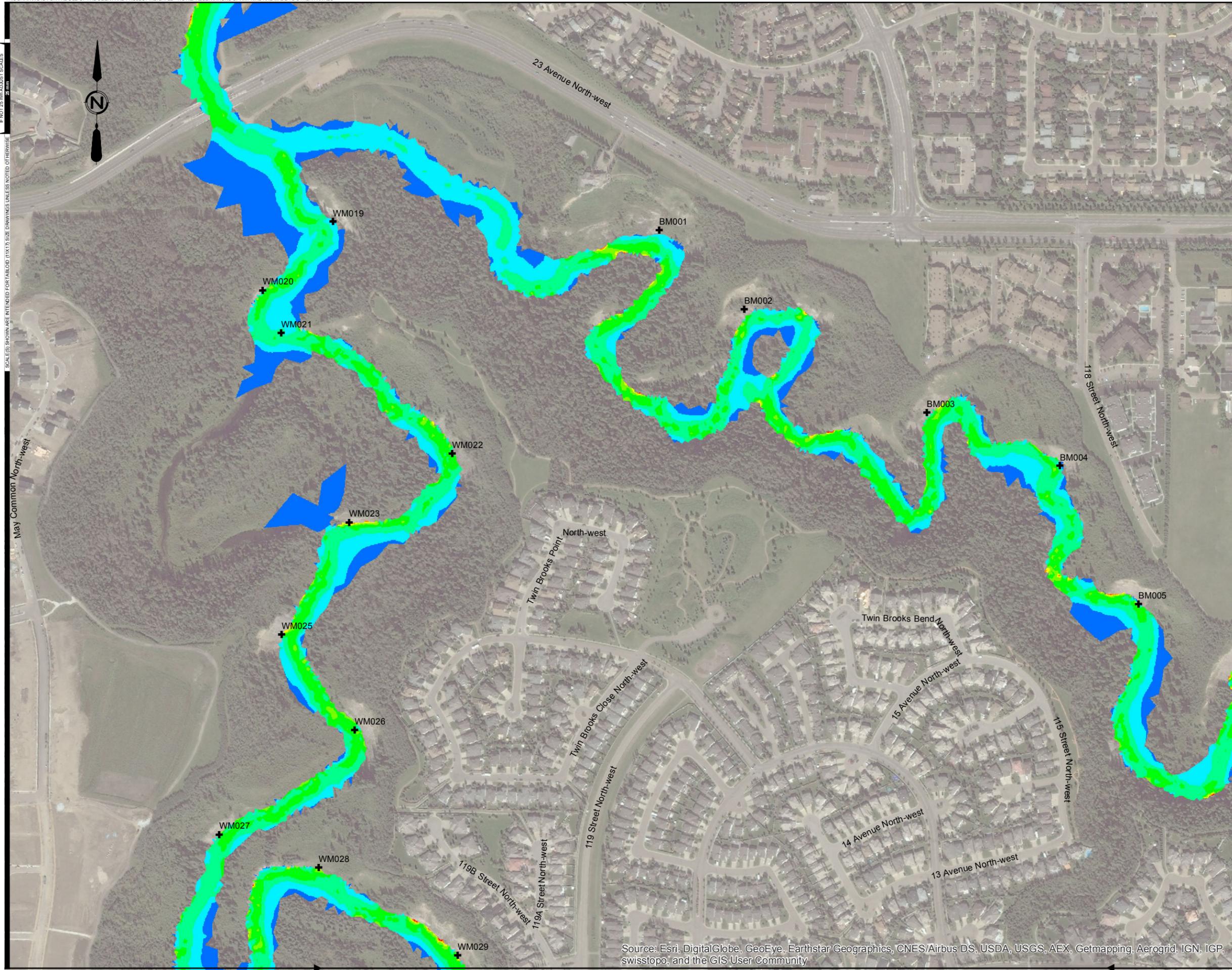
AE PROJECT No.	2016-3785
SCALE	1:5,000
APPROVED	
DATE	2017 MARCH
REV	
DESCRIPTION	ISSUED FOR REPORT

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

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

May Common North-west

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DATE: 3/21/2017



Legend:

- + Erosion Site
- Velocity (1.5 L/s/ha)**
- >3.5 - 4.0
- >3.0 - 3.5
- >2.5 - 3.0
- >2.0 - 2.5
- >1.5 - 2.0
- >1.0 - 1.5
- >0.5 - 1.0
- >0.0 - 0.5

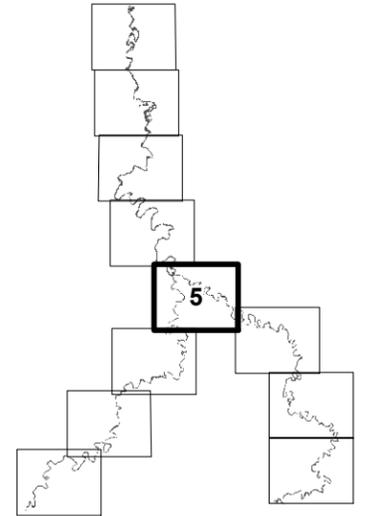
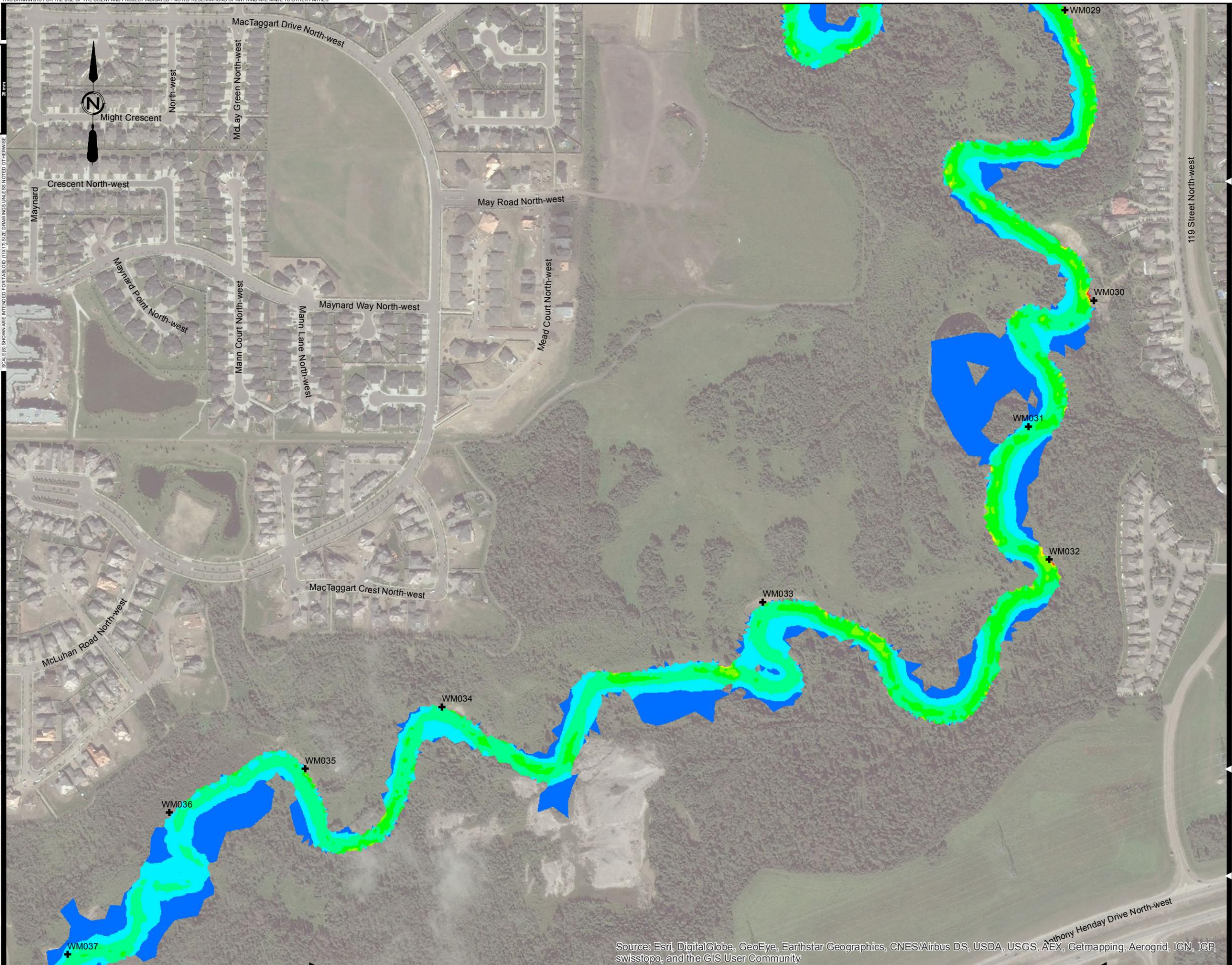


FIGURE No. C-5

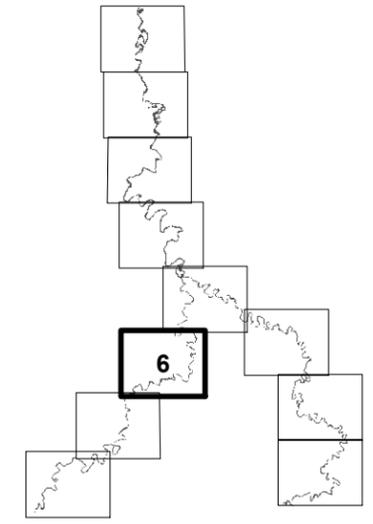
BLACKMUD/WHITEMUD CREEK  
WATERSHED MANAGEMENT STUDY

FUTURE DEVELOPMENT DISCHARGE RATE  
1.5 L/s/ha - 100 YEAR FLOOD VELOCITY

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



- Legend:
- + Erosion Site
  - Velocity (1.5 L/s/ha)**
  - >3.5 - 4.0
  - >3.0 - 3.5
  - >2.5 - 3.0
  - >2.0 - 2.5
  - >1.5 - 2.0
  - >1.0 - 1.5
  - >0.5 - 1.0
  - >0.0 - 0.5



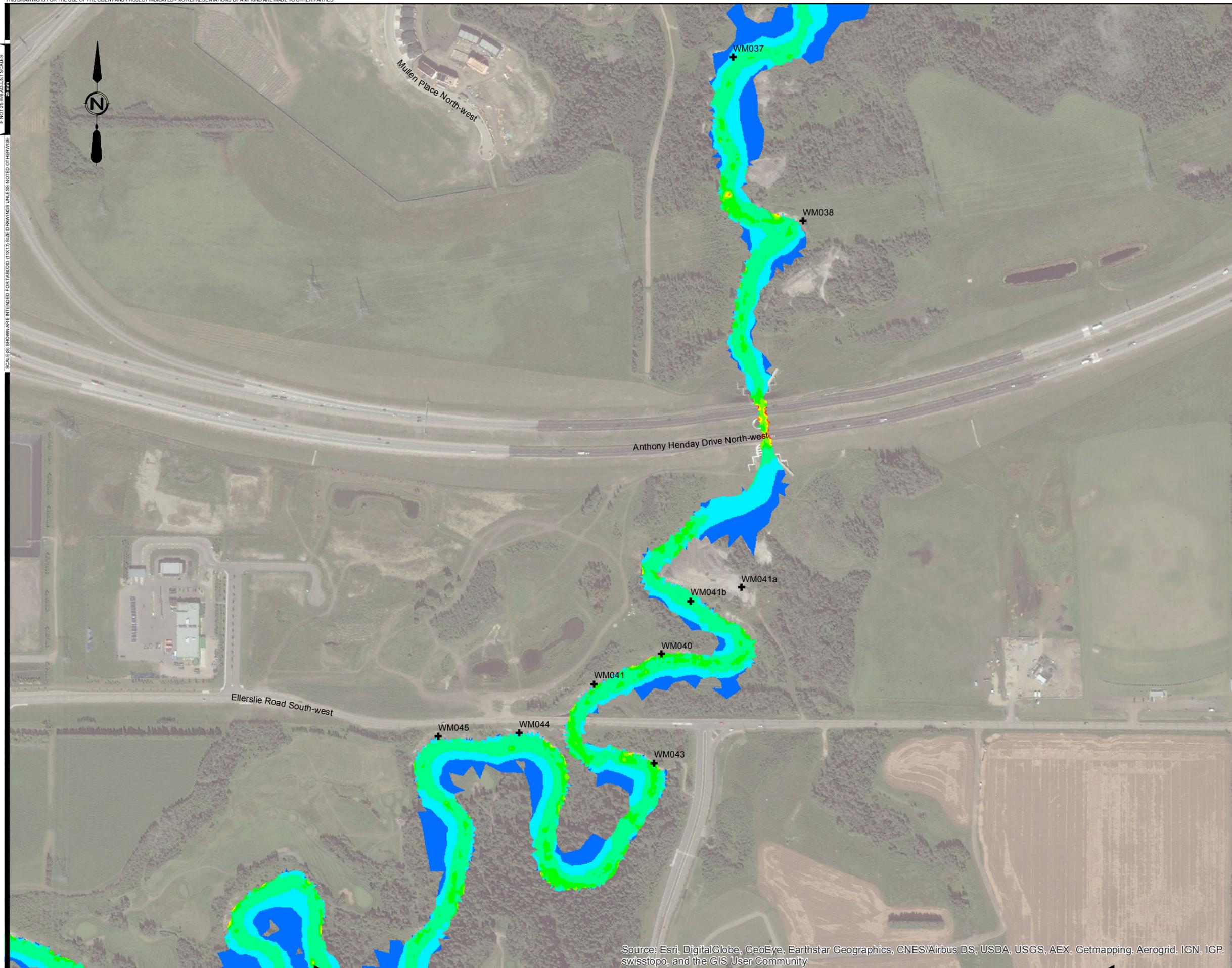
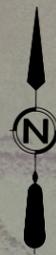
**FIGURE No. C-6**  
 BLACKMUD/WHITEMUD CREEK  
 WATERSHED MANAGEMENT STUDY  
 FUTURE DEVELOPMENT DISCHARGE RATE  
 1.5 L/s/ha - 100 YEAR FLOOD VELOCITY

<b>AE PROJECT No.</b>	2016-3785
<b>SCALE</b>	1:5,000
<b>APPROVED DATE</b>	2017 MARCH
<b>REV DESCRIPTION</b>	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

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DATE: 3/21/2017

SCALES SHOWN ARE INTENDED FOR TABLED (11X17) SIZE DRAWINGS UNLESS NOTICED OTHERWISE  
# NOT 25 mm ASBEST SCALAS



Legend:

- + Erosion Site
- Velocity (1.5 L/s/ha)**
- >3.5 - 4.0
- >3.0 - 3.5
- >2.5 - 3.0
- >2.0 - 2.5
- >1.5 - 2.0
- >1.0 - 1.5
- >0.5 - 1.0
- >0.0 - 0.5

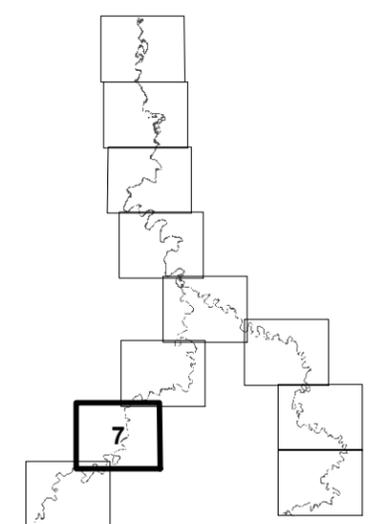
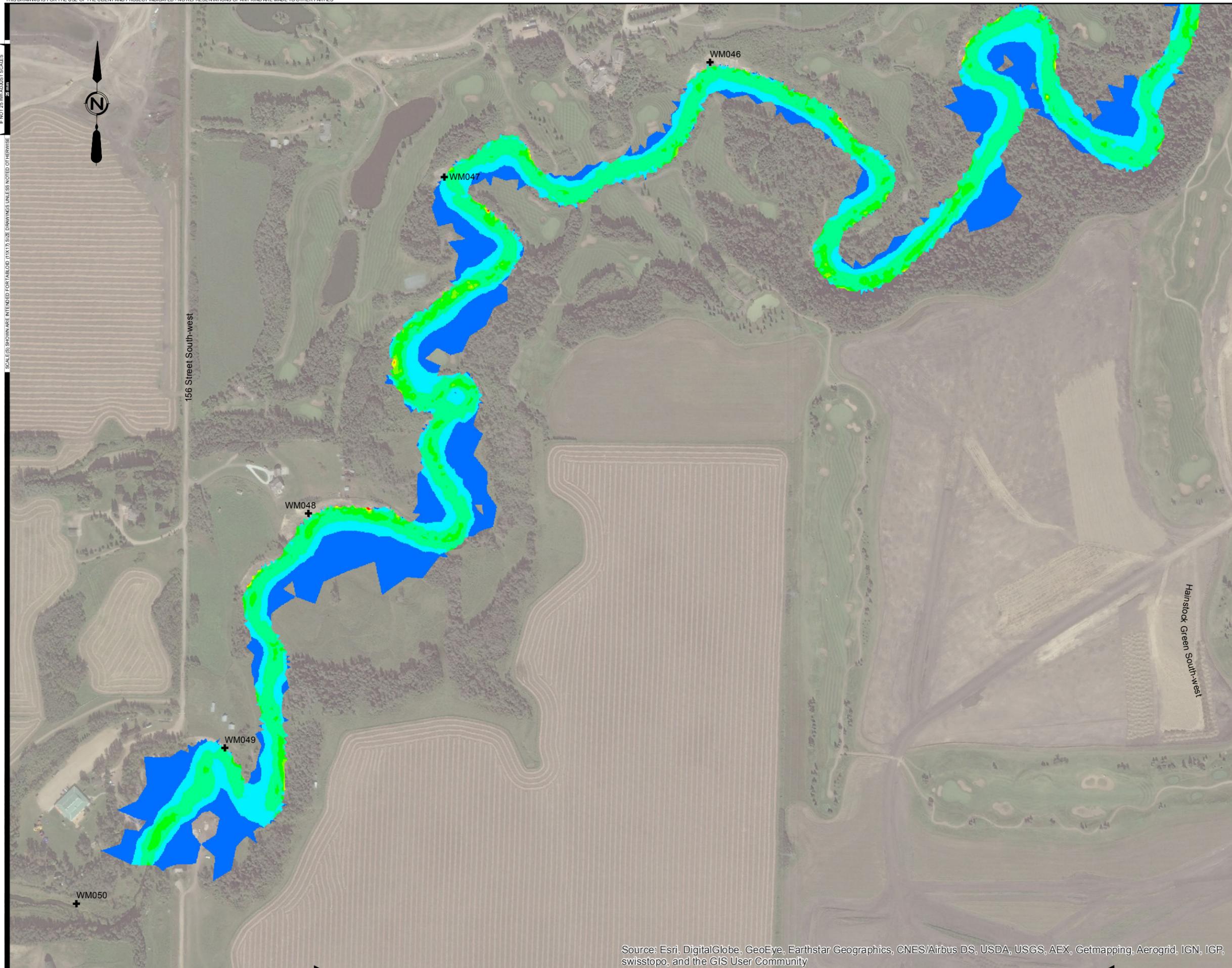


FIGURE No. C-7

BLACKMUD/WHITEMUD CREEK  
WATERSHED MANAGEMENT STUDY

FUTURE DEVELOPMENT DISCHARGE RATE  
1.5 L/s/ha - 100 YEAR FLOOD VELOCITY

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



Legend:

- + Erosion Site
- Velocity (1.5 L/s/ha)**
- >3.5 - 4.0
- >3.0 - 3.5
- >2.5 - 3.0
- >2.0 - 2.5
- >1.5 - 2.0
- >1.0 - 1.5
- >0.5 - 1.0
- >0.0 - 0.5

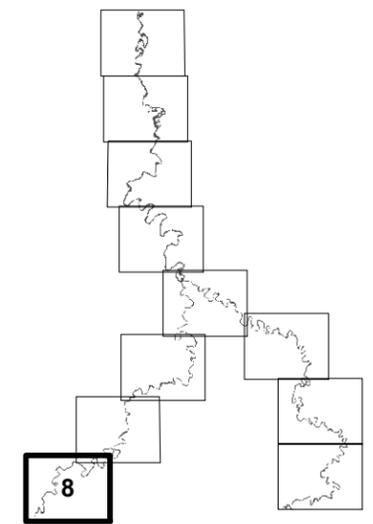
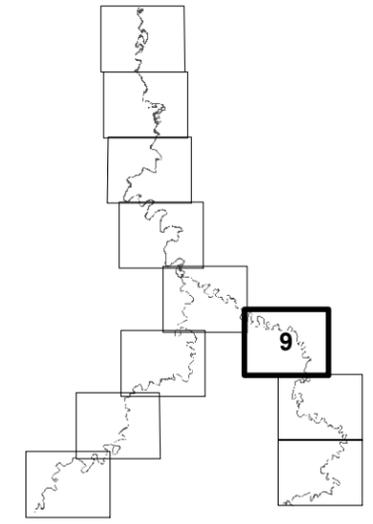
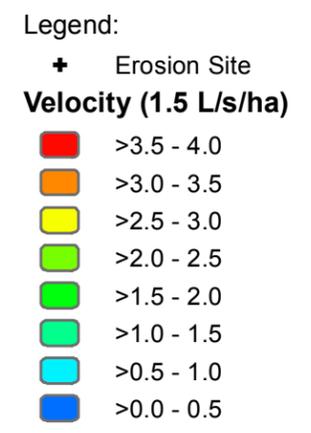


FIGURE No. C-8

BLACKMUD/WHITEMUD CREEK  
WATERSHED MANAGEMENT STUDY

FUTURE DEVELOPMENT DISCHARGE RATE  
1.5 L/s/ha - 100 YEAR FLOOD VELOCITY

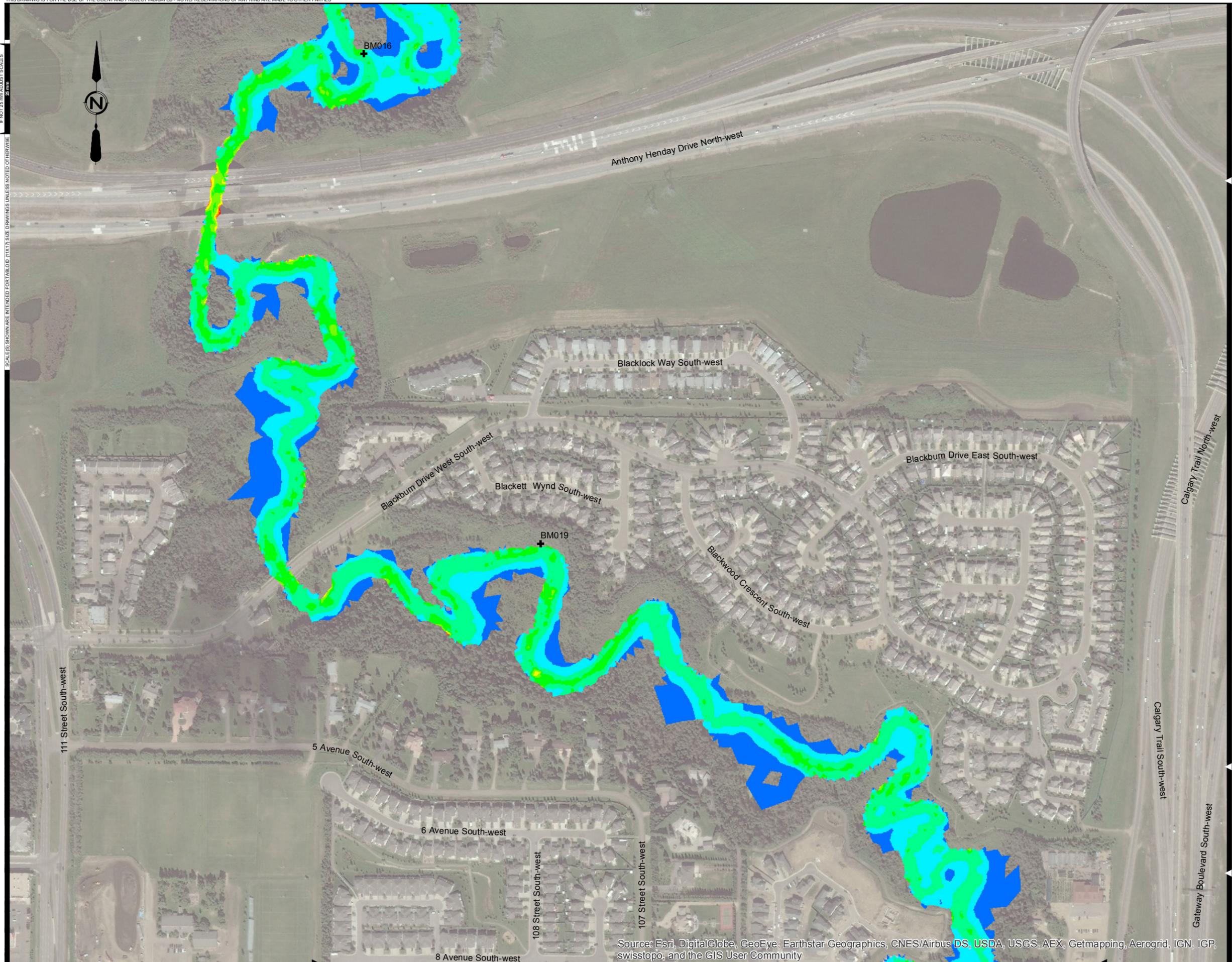
AE PROJECT No.	2016-3785
SCALE	1:5,000
APPROVED	
DATE	2017 MARCH
REV	
DESCRIPTION	ISSUED FOR REPORT



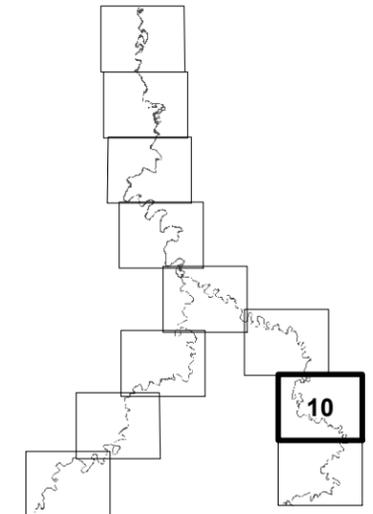
**FIGURE No. C-9**  
 BLACKMUD/WHITEMUD CREEK  
 WATERSHED MANAGEMENT STUDY  
 FUTURE DEVELOPMENT DISCHARGE RATE  
 1.5 L/s/ha - 100 YEAR FLOOD VELOCITY

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

SCALE(S) SHOWN ARE INTENDED FOR TABLED (11X17) SIZE DRAWINGS UNLESS NOTED OTHERWISE  
IF NOT 24" x 36" AS SHOWN SCALES



- Legend:
- + Erosion Site
  - Velocity (1.5 L/s/ha)**
  - >3.5 - 4.0
  - >3.0 - 3.5
  - >2.5 - 3.0
  - >2.0 - 2.5
  - >1.5 - 2.0
  - >1.0 - 1.5
  - >0.5 - 1.0
  - >0.0 - 0.5



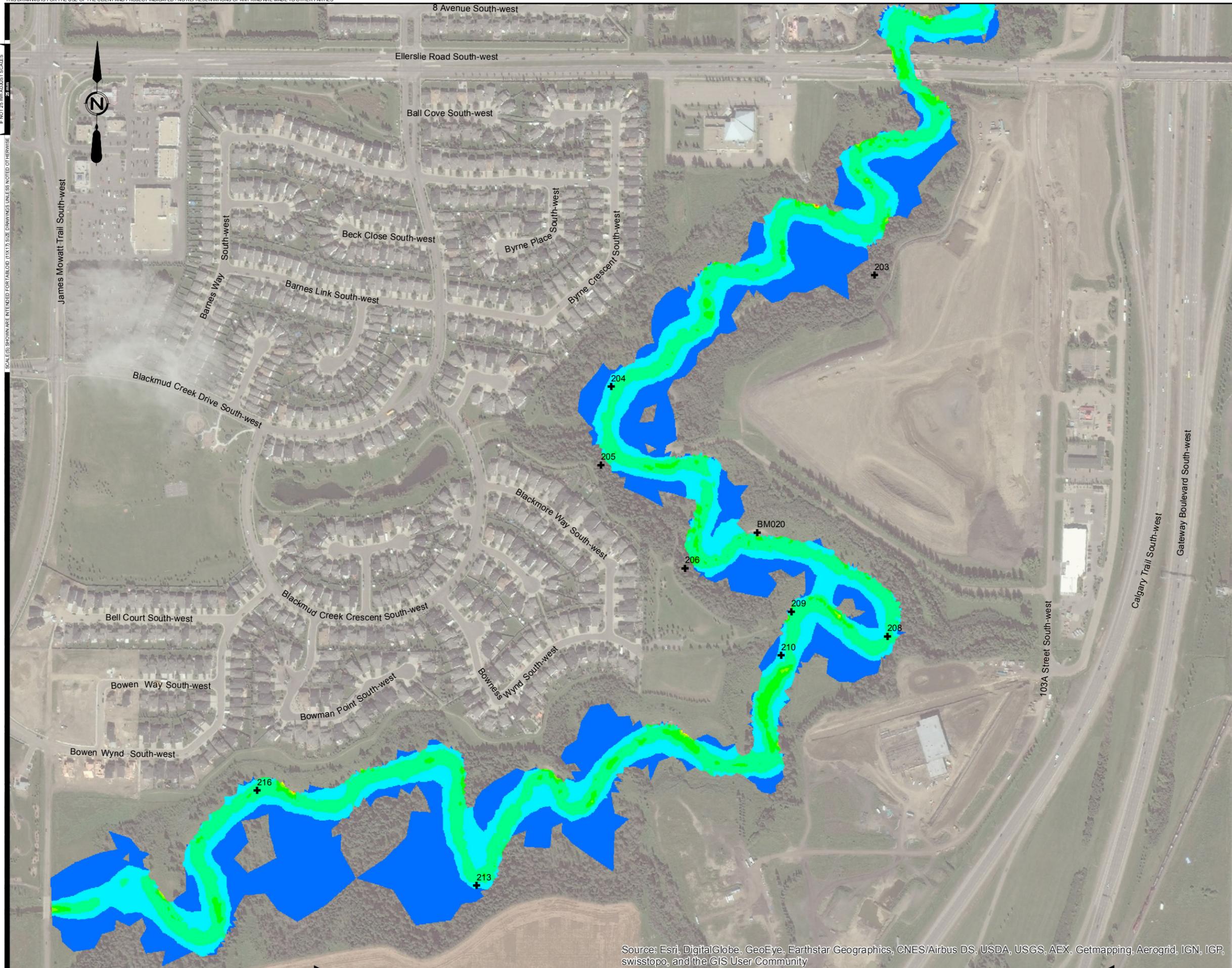
**FIGURE No. C-10**  
 BLACKMUD/WHITEMUD CREEK  
 WATERSHED MANAGEMENT STUDY  
 FUTURE DEVELOPMENT DISCHARGE RATE  
 1.5 L/s/ha - 100 YEAR FLOOD VELOCITY

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

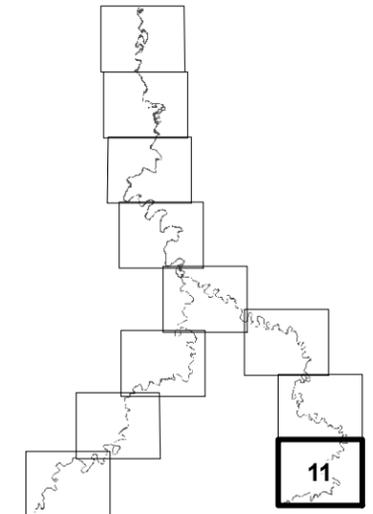
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

SCALE(S) SHOWN ARE INTENDED FOR TABLED (1:1) SIZE DRAWINGS UNLESS NOTICED OTHERWISE

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DATE: 3/21/2017



- Legend:
- + Erosion Site
  - Velocity (1.5 L/s/ha)**
  - >3.5 - 4.0
  - >3.0 - 3.5
  - >2.5 - 3.0
  - >2.0 - 2.5
  - >1.5 - 2.0
  - >1.0 - 1.5
  - >0.5 - 1.0
  - >0.0 - 0.5



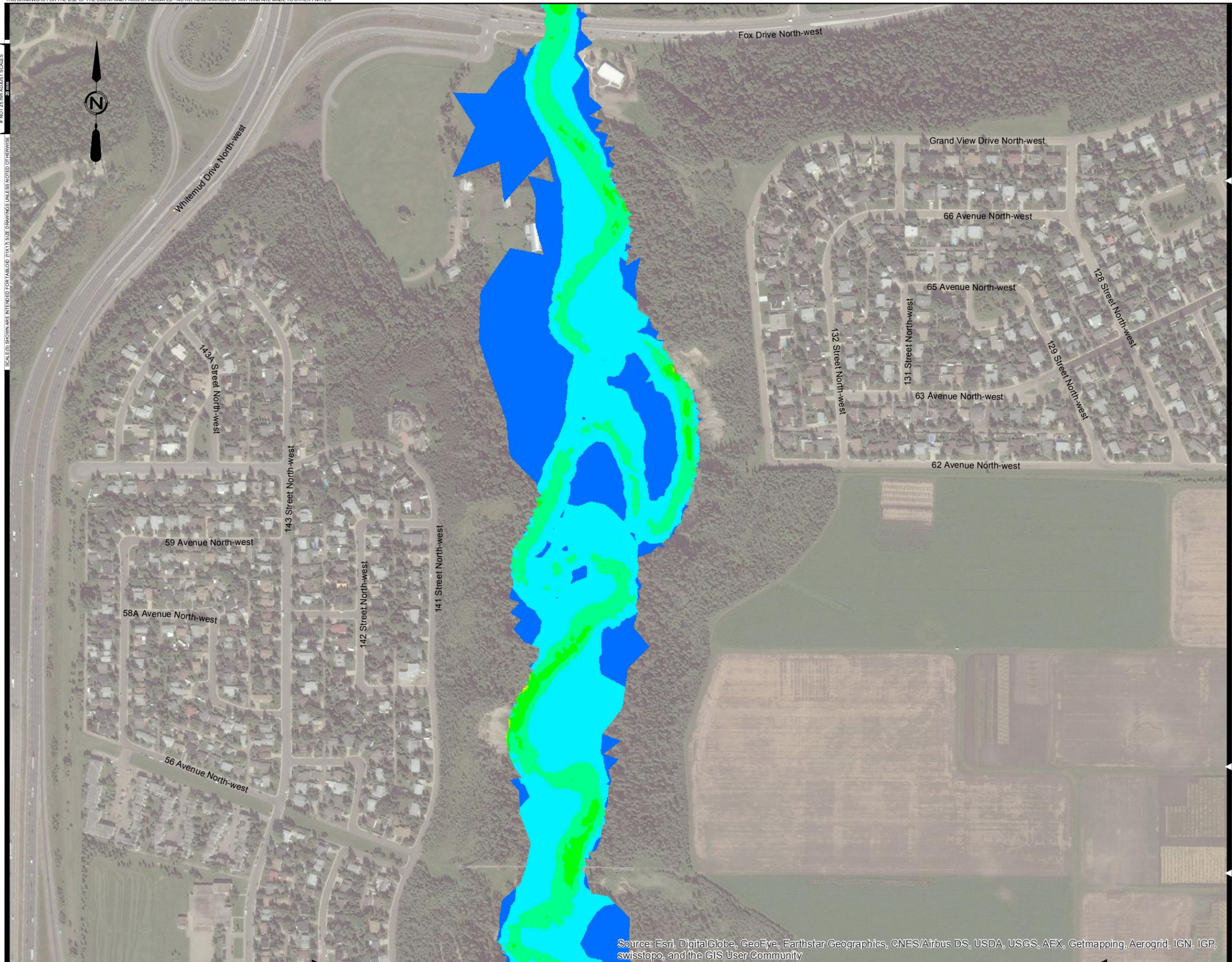
**FIGURE No. C-11**  
 BLACKMUD/WHITEMUD CREEK  
 WATERSHED MANAGEMENT STUDY  
 FUTURE DEVELOPMENT DISCHARGE RATE  
 1.5 L/s/ha - 100 YEAR FLOOD VELOCITY

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

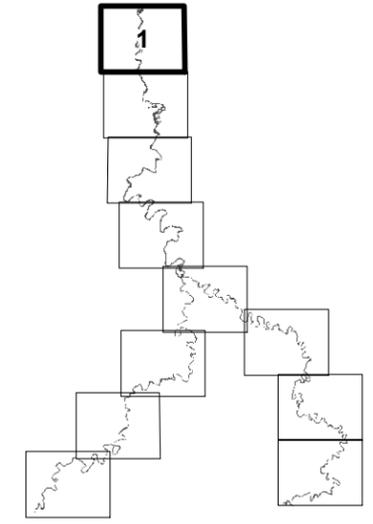
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

IF NOT 24" x 36" AS SHOWN ON SCALE

SCALE(S) SHOWN ARE INTENDED FOR TABLET (11x17) SIZE DRAWINGS UNLESS NOTED OTHERWISE



- Legend:
- Velocity (3.0 L/s/ha)**
- >3.5 - 4.0
  - >3.0 - 3.5
  - >2.5 - 3.0
  - >2.0 - 2.5
  - >1.5 - 2.0
  - >1.0 - 1.5
  - >0.5 - 1.0
  - >0.0 - 0.5

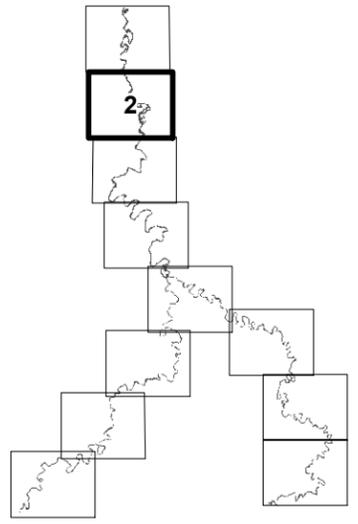
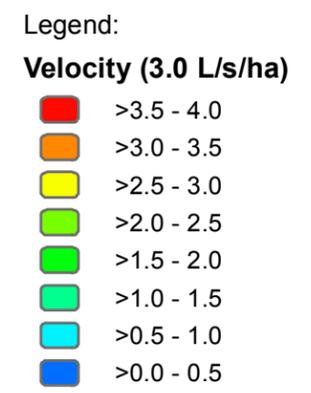
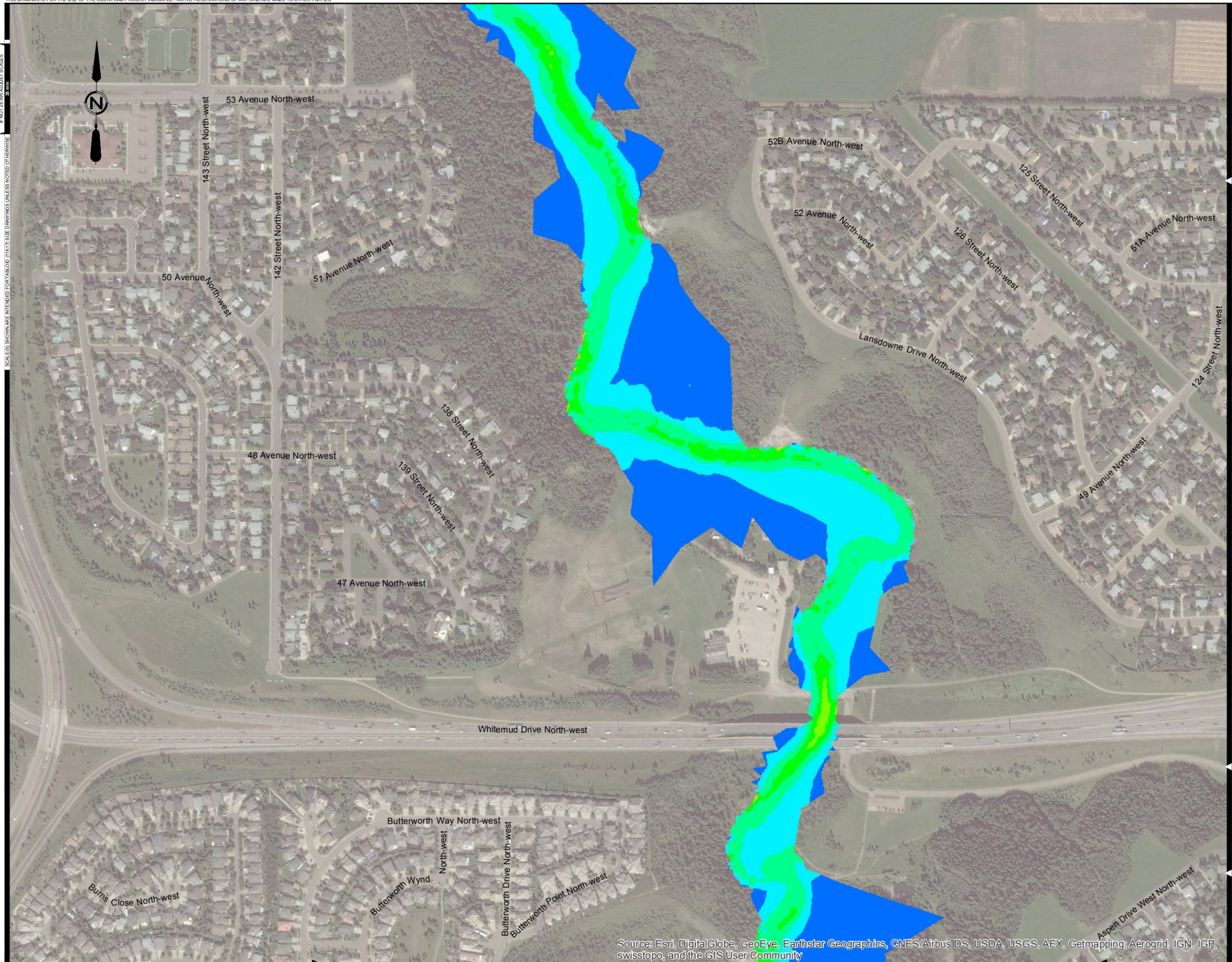


**FIGURE No. C-12**  
 BLACKMUD/WHITEMUD CREEK  
 WATERSHED MANAGEMENT STUDY  
 FUTURE DEVELOPMENT DISCHARGE RATE  
 3.0 L/s/ha - 100 YEAR FLOOD VELOCITY

<b>AE PROJECT No.</b>	2016-3785
<b>SCALE</b>	1:5,000
<b>APPROVED DATE</b>	2017 MARCH
<b>REV DESCRIPTION</b>	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

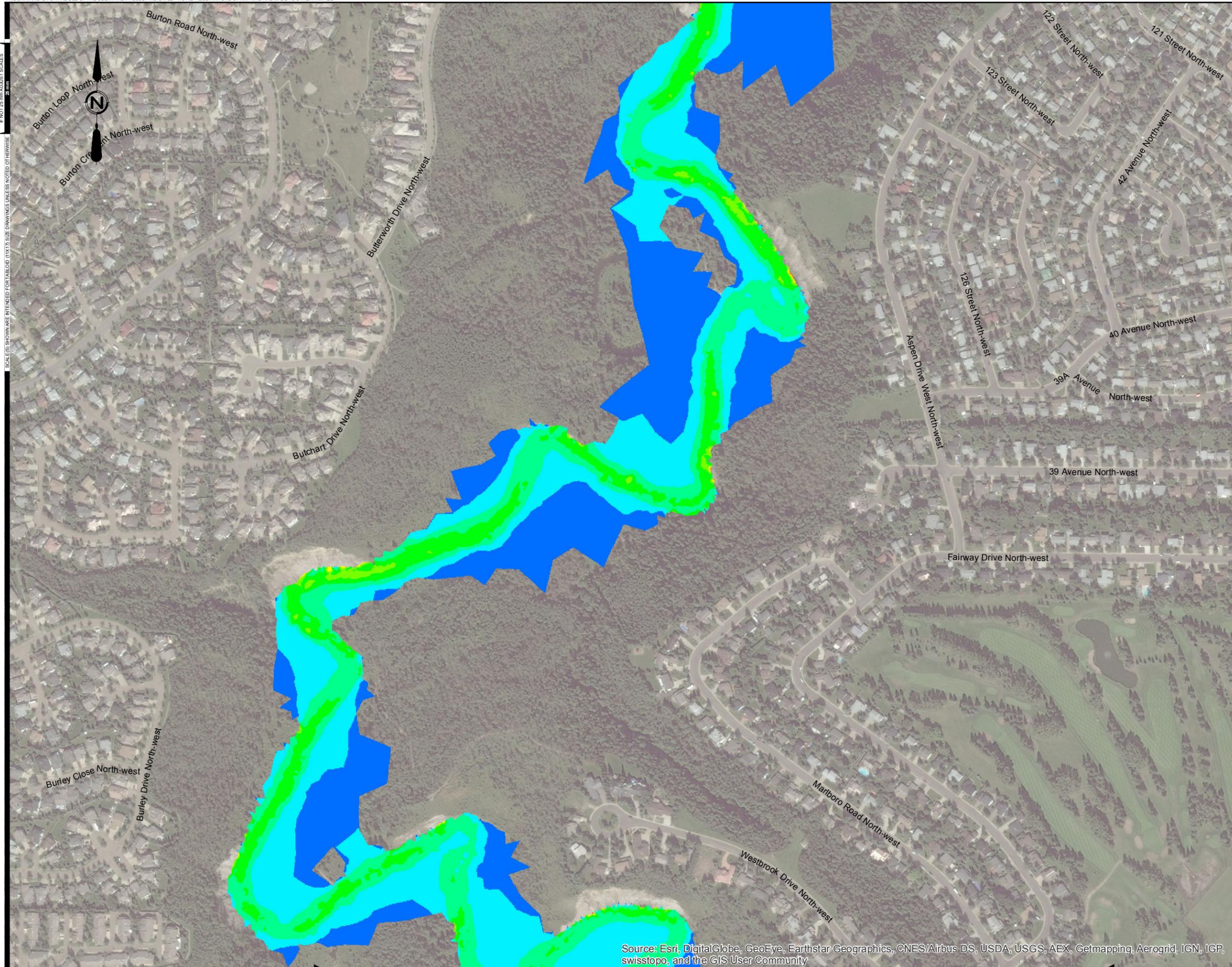
SCALE(S) SHOWN ARE INTENDED FOR TABLET (11X17) SIZE DRAWINGS UNLESS NOTICED OTHERWISE  
 IF NOT 24" x 36" AS SHOWN SCALES



**FIGURE No. C-13**  
 BLACKMUD/WHITEMUD CREEK  
 WATERSHED MANAGEMENT STUDY  
 FUTURE DEVELOPMENT DISCHARGE RATE  
 3.0 L/s/ha - 100 YEAR FLOOD VELOCITY

<b>AE PROJECT No.</b>	2016-3785
<b>SCALE</b>	1:5,000
<b>APPROVED DATE</b>	2017 MARCH
<b>REV DESCRIPTION</b>	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



Legend:

Velocity (3.0 L/s/ha)

- >3.5 - 4.0
- >3.0 - 3.5
- >2.5 - 3.0
- >2.0 - 2.5
- >1.5 - 2.0
- >1.0 - 1.5
- >0.5 - 1.0
- >0.0 - 0.5

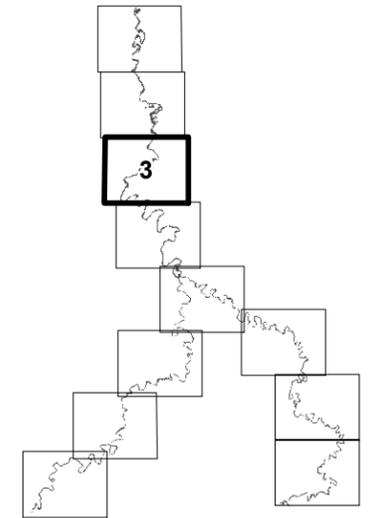


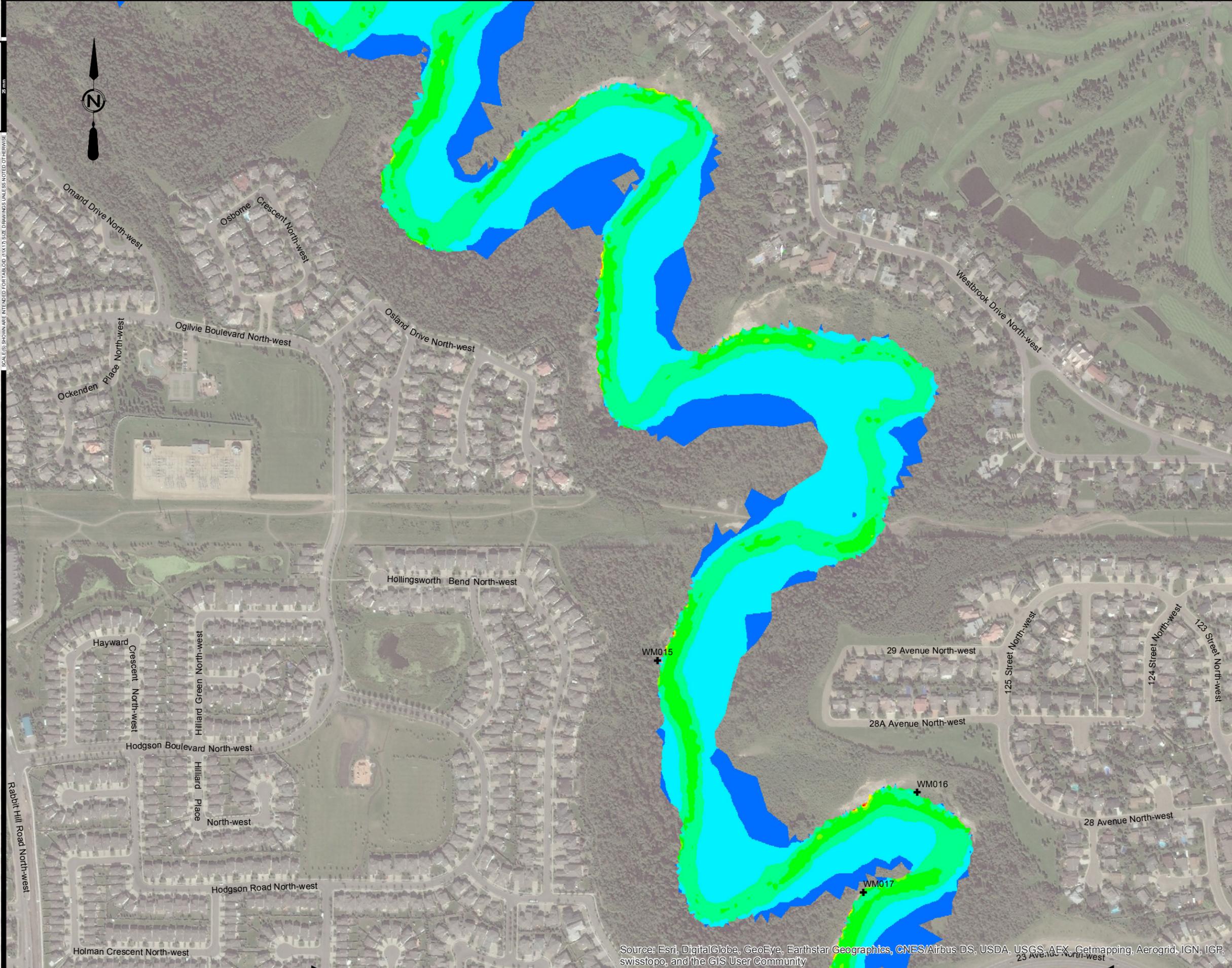
FIGURE No. C-14

BLACKMUD/WHITEMUD CREEK  
WATERSHED MANAGEMENT STUDY

FUTURE DEVELOPMENT DISCHARGE RATE  
3.0 L/s/ha - 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 TABLED (1:1) SIZE DRAWINGS UNLESS NOTED OTHERWISE  
 IF NOT 24" x 36" AS SHOWN SCALES



Legend:

- + Erosion Site
- Velocity (3.0 L/s/ha)**
- >3.5 - 4.0
- >3.0 - 3.5
- >2.5 - 3.0
- >2.0 - 2.5
- >1.5 - 2.0
- >1.0 - 1.5
- >0.5 - 1.0
- >0.0 - 0.5

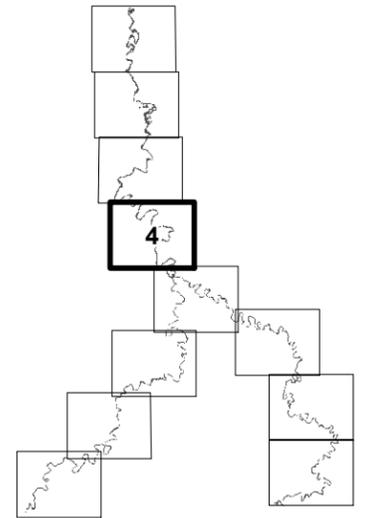


FIGURE No. C-15

BLACKMUD/WHITEMUD CREEK  
 WATERSHED MANAGEMENT STUDY

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

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