ECF-100BC5-15-0119
Revision 0

Determination of Representative Lineal Dimensions for 100BC Operable Unit Waste Site Decision Units for Use in Soil Screening Level and Preliminary Remedial Goal Comparisons to Exposure Point Concentrations

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract DE-AC06-08RL14788

P.O. Box 1600
Richland, Washington 99352

Approved for Public Release;
Further Dissemination Unlimited

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Document Type: ENV Program/Project: EP&SP

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INTERA, Inc.

Date Published
November 2015

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Release Approval Date

Approved for Public Release;
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ENVIRONMENTAL CALCULATION COVER PAGE

Section 1: Completed by the Responsible Manager

Project: 100-B/C Remedial Investigation/Feasibility Study

Date: 10/10/2015

Calculation Title & Description: Determination of Representative Lineal Dimensions for 100BC Operable Unit Waste Site Decision Units for Use in Soil Screening Level and Preliminary Remedial Goal Comparisons to Exposure Point Concentrations

RELEASE / ISSUE

DATE: Dec 07, 2015 HANFORD RELEASE

Section 2: Completed by Preparer

Calculation No.: ECF-100BC5-15-0119 **Revision No.:** 0

Revision History

Revision No.	Description	Date	Affected Pages ADD ROW
0	Initial issue	11/04/2015	All

Section 3: Completed by the Responsible Manager

Document Control:

Is the document intended to be controlled within the Document Management Control System (DMCS)? ☒ Yes ☐ No

Does document contain scientific and technical information intended for public use? ☒ Yes ☐ No

Does document contain controlled-use information? ☐ Yes ☒ No

Section 4: Document Review & Approval

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Section 5: Applicable if calculation is a risk assessment or uses an environmental model

PRIOR TO INITIATING MODELING:

Required training for modelers completed:

	Name /Position	Signature	Date
Integration Lead	Not applicable		

Safety Software Approved:

	Name /Position	Signature	Date
Integration Lead	Not applicable		

CALCULATION APPROVED:

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Environmental Calculation File

Determination of Representative Lineal Dimensions for 100BC Operable Unit Waste Site Decision Units for Use in Soil Screening Level and Preliminary Remedial Goal Comparisons to Exposure Point Concentrations

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Terms

ArcGIS®	Commercial desktop Geographic Information System software
EACR	Equivalent Area Circle Radius
ECF	Environmental Calculation File
EPC	Exposure Point Concentration
Esri®	Environmental Systems Research Institute
Decision Unit	A geographic representation of the location and extent of soil or waste material, about which a decision will be made.
GIS	Geographical Information System
HISI	Hanford Information System Inventory
IFV	Intersecting Flow Vectors
Planimetric	Horizontal position of geographic features, independent of elevation or relief
PRG	Preliminary Remediation Goal
RLD	Representative Lineal Dimension
SSL	Soil Screening Level
Vector	A directed line segment commonly with the initial point represented by a tail and the terminal point represented by a tip.
Waste Site	Any location within the boundary of the Hanford Site that may require action to mitigate a potential environmental impact.

1 Purpose

The purpose of this environmental calculation file (ECF) is to determine representative lineal dimensions in the generalized direction of groundwater flow for individual waste site decision unit polygon representations in the 100-BC source Operable Units (OUs).

Lineal representative decision unit dimensions are needed to scale soil screening levels (SSLs) and preliminary remediation goals (PRGs) calculated on a per-meter basis in the direction of groundwater flow (*Determination of Representative Lineal Dimensions for 100BC Operable Unit Waste Site Decision Units for Use in Soil Screening Level and Preliminary Remedial Goal Comparisons to Exposure Point Concentrations ECF-100BC5-15-01119, Rev. 0*). The dimensionally-scaled SSL and PRG values will be compared to exposure point concentrations (EPCs) in a separate calculation to determine those waste site where residual soil contamination would have the potential to cause groundwater protection levels to be exceeded in the future.

2 Background

Decision unit related boundaries span a wide range of planimetric shapes. Pipeline-related decision units may be long, linear and orientated in certain directions whereas surface debris or contamination may be composed of small scattered multiple-part polygons.

Two alternatives are examined for each decision unit within the 100-BC-1 and 100-BC-2 operable units. The first alternative uses the polygon area attribute to calculate a Representative Lineal Dimension (RLD) radius from a hypothetical circle with an equivalent area. The second alternative calculates an average RLD from a sample of parallel flow vectors generated 1 meter apart for each decision unit geometry.

3 Methodology

1. Alternative 1 – Equivalent Area Circle Radius (EACR)
    a. **EXPORT DATA**† for 100-BC-1 and 100-BC-2 operable unit decision units into a new layer from the current published DecisionUnits_100BC shapefile.
    b. **ADD FIELD** SqMeters and **CALCULATE GEOMETRY** to add planimetric area represented in square meters.
    c. **ADD FIELD** RadiusCirc and calculate with the python expression; math.sqrt (!SqMeters! / math.pi). Field RadiusCirc is the representative lineal dimension.

2. Alternative 2 – Intersecting Flow Vectors (IFV)
    a. **EXPORT DATA** for 100-BC-1 and 100-BC-2 operable unit decision units into a new layer from the current DecisionUnits_100BC shapefile
    b. **CREATE FISHNET** of flow vectors orientated in the direction of groundwater flow.
    c. **INTERSECT** fishnet with decision unit layer.

d. **DISSOLVE** on DECISION_U field. Do not create multi-part features. Dissolve is needed to prevent segmentation complications associated with overlapping decision unit polygons.

e. **ADD FIELD** Length item and **CALCULATE GEOMETRY** in meters.

f. **SUMMARIZE** DECISION_U field to generate statistics including average length, standard deviation, count, minimum length, maximum length, etc. Average length is the representative lineal dimension.

† ArcGIS functions indicated in bold type

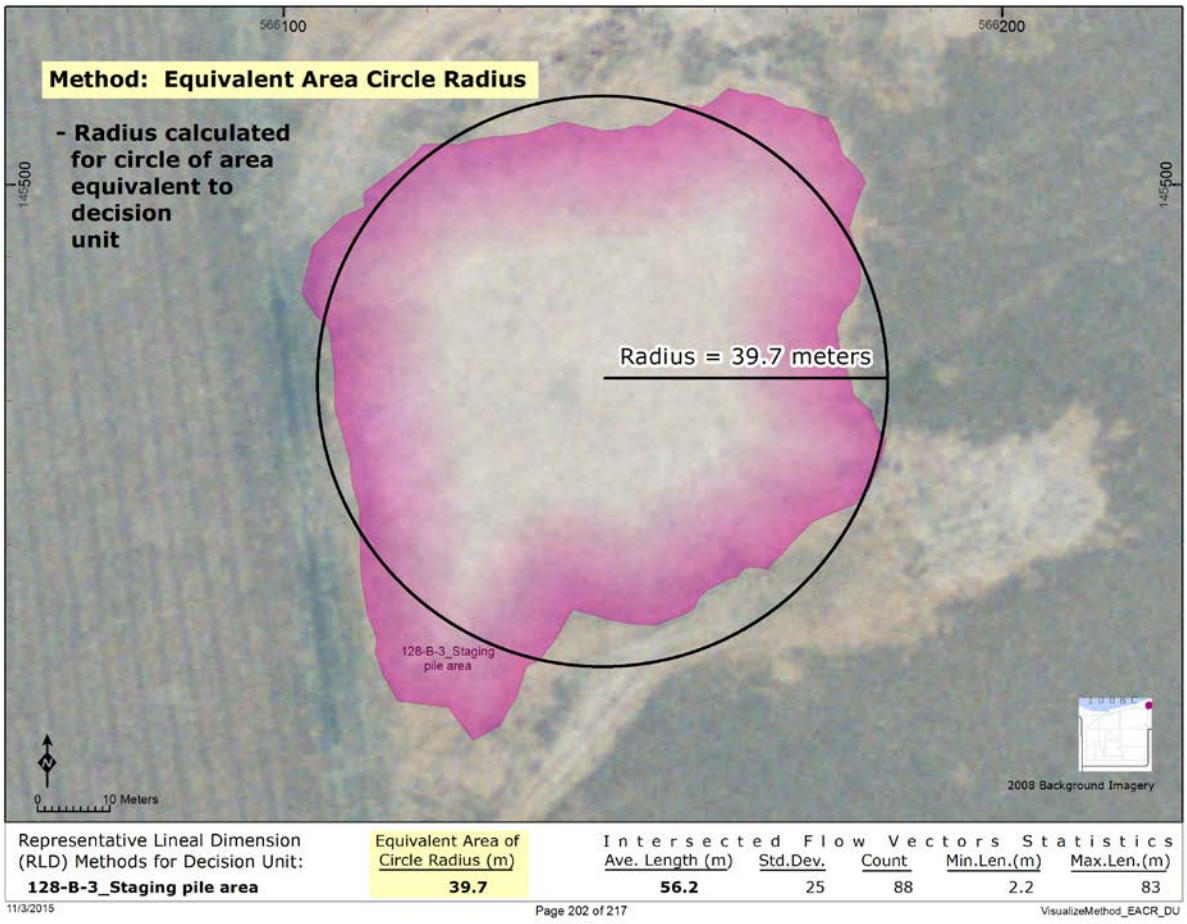
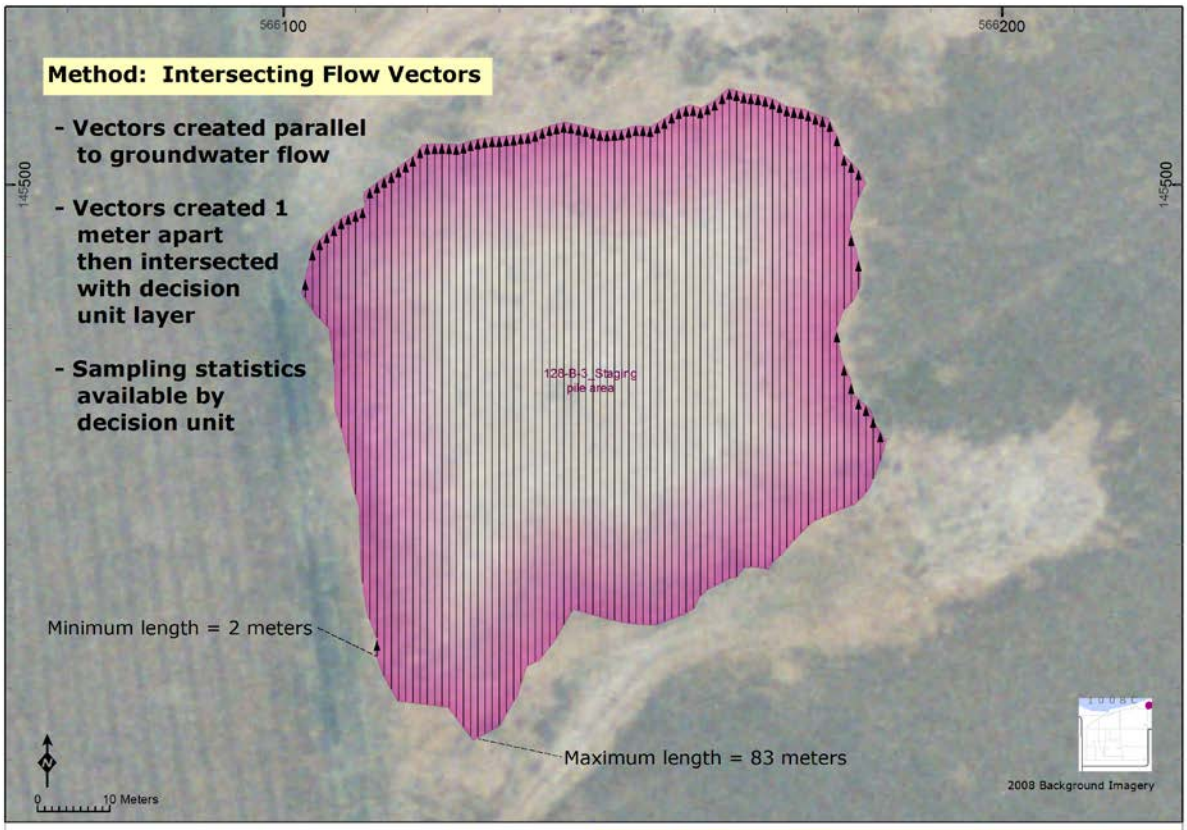


Figure 1. Method Alternative 1 – Equivalent Area Circle Radius



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
128-B-3_Staging pile area	**39.7**	**56.2**	25	88	2.2	83

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Figure 2. Method Alternative 2 – Intersecting Flow Vectors

4 Assumptions and Inputs

Both alternatives assume the current decision unit layer correctly depicts the spatial and tabular information for the area of interest.

The listed methodology for Alternative 2 – Intersecting Flow Vectors is sensitive to the direction of groundwater flow and assumes that it is constant throughout the area of interest.

5 Software Applications

5.1 Approved Software

5.1.1 Description

- Maps and calculations associated with this ECF were created using ArcGIS 10.2.2 ArcView software by Esri. ArcGIS® and ArcMap™ are the intellectual property of Esri and are used herein under license. For more information about Esri® software, please visit www.esri.com.
- ArcGIS 10.2.2 Basic (ArcView) Single Use Software was used.
- ArcGIS 10.2 is registered on the HISI with Identification Number 3402 and is approved for use.
- All operations were performed on a Lenovo T440s x64-based PC laptop with 8GB RAM running Windows 8.1 Pro, identified with property tag INTERA-00707.

5.1.2 Software Installation and Checkout

Esri license authorization information was provided to INTERA corporate Esri contact and management upon request for review on 5/6/2015.

5.1.3 Statement of Valid Software Application

- GIS is a computerized system for common tasks involving the creation, management, query, analysis, and display of spatial data. It is a valid and appropriate set of software tools to solve problems analytically and support this ECF process. Geoprocessing tools were used together to provide an alternative solution to a complex problem and if needed, can be developed into a geoprocessing model to enhance the repeatability and to establish a uniform practice.
- ArcGIS 10.2.2 was used within the technical and functional limitations. Temporary geoprocessing datasets were well below the 2GB limitation.

6 Calculation

Table 1. Calculation Summary Value Comparison

DECISION UNIT	Method 1 EACR RLD(m)	Method 2 IFV RLD (m)	Method 1 % Difference from Method 2
100-B-1_Shallow_1	53.6	58.6	-9%
100-B-1_Shallow_2	44.3	80.3	-45%
100-B-1_Shallow_Focused	41.0	37.8	9%
100-B-11_Shallow_Focused	1.1	2.0	-44%
100-B-14-1_Deep	50.5	18.4	174%
100-B-14-1_Deep_Focused	1.1	2.0	-44%

100-B-14-1_Overburden_2	549.4	664.1	-17%
100-B-14-1_Overburden_4	62.1	97.6	-36%
100-B-14-1_Overburden_5	78.9	102.9	-23%
100-B-14-1_Overburden_6	54.0	111.6	-52%
100-B-14-1_Overburden_7	59.8	215.9	-72%
100-B-14-1_Overburden_8	26.5	56.4	-53%
100-B-14-1_Overburden_9	90.4	57.9	56%
100-B-14-1_Shallow	104.1	44.6	133%
100-B-14-2_Overburden_Focused	41.0	33.9	21%
100-B-14-2_Shallow_1	21.0	59.2	-64%
100-B-14-2_Shallow_2	25.7	12.2	111%
100-B-14-2_Shallow_3	17.0	19.3	-12%
100-B-14-2_Shallow_Focused	1.1	2.0	-44%
100-B-14-3_Deep_Focused	1.1	2.0	-44%
100-B-14-5_Shallow_Focused	0.4	0.01	6916%
100-B-14-6_Shallow_Focused	6.5	10.9	-41%
100-B-14-7_Shallow_Focused	1.9	5.7	-67%
100-B-16_Shallow_Focused	17.2	11.2	53%
100-B-18_Shallow_Focused	10.6	19.7	-46%
100-B-19_Shallow_1	34.6	63.7	-46%
100-B-19_Shallow_2	11.9	16.4	-28%
100-B-19_Shallow_4	25.8	36.0	-28%
100-B-19_Shallow_5	11.7	25.2	-54%
100-B-19_Shallow_Focused	373.7	219.0	71%
100-B-19_Staging pile area	9.7	14.1	-31%
100-B-19_Staging pile area_Focused	5.8	8.8	-34%
100-B-20_Shallow_Focused	2.9	3.2	-11%
100-B-21-2_Overburden_Focused	26.1	12.1	115%
100-B-21-2_Shallow	10.3	33.0	-69%
100-B-21-3_Overburden_Focused	12.8	7.5	71%
100-B-21-3_Shallow	14.3	9.2	56%
100-B-21-3_Staging pile area_Focused	6.2	9.4	-34%
100-B-21-4_Overburden_Focused	48.1	48.4	-1%
100-B-21-4_Shallow	31.0	29.5	5%
100-B-21-4_Staging pile area	17.1	21.8	-22%
100-B-22-2_Shallow_Focused	120.8	126.3	-4%
100-B-22-2_Staging pile area_Focused	4.0	6.6	-38%
100-B-23_Shallow_Focused	949.7	1237.8	-23%
100-B-25_Overburden_Focused	37.6	58.6	-36%
100-B-25_Shallow	32.9	48.0	-31%
100-B-25_Staging pile area	36.5	29.9	22%
100-B-26_Shallow_Focused	15.3	31.7	-52%
100-B-27_Deep	36.8	47.1	-22%

100-B-27_Overburden_Focused	61.7	73.8	-16%
100-B-27_Staging pile area	51.4	34.6	48%
100-B-28_Overburden_Focused	29.5	14.8	99%
100-B-28_Shallow_1	26.1	24.9	5%
100-B-28_Shallow_3	32.7	19.3	69%
100-B-28_Shallow_5	14.7	22.0	-33%
100-B-28_Shallow_Focused	98.2	150.6	-35%
100-B-28_Staging pile area_2	16.2	70.2	-77%
100-B-28_Staging pile area_4	7.9	4.3	83%
100-B-31_Shallow	46.8	15.1	209%
100-B-32_Shallow_Focused	1.1	2.0	-44%
100-B-33_Shallow_Focused	3.2	4.2	-22%
100-B-33_Staging pile area_Focused	2.8	4.4	-37%
100-B-35-1_Deep_Focused	17.0	22.2	-23%
100-B-35-1_Shallow	90.9	122.0	-25%
100-B-35-1_Staging Pile Area	48.9	101.5	-52%
100-B-35-2_Shallow_Focused	6.8	15.9	-57%
100-B-5_Deep	20.2	27.6	-27%
100-B-5_Shallow	31.8	52.2	-39%
100-B-8-1_Deep	55.9	28.9	94%
100-B-8-1_Overburden	118.0	43.2	173%
100-B-8-1_Shallow	110.6	48.6	128%
100-B-8-2_Deep	76.4	19.2	298%
100-B-8-2_Overburden	150.3	65.3	130%
100-B-8-2_Shallow_1	126.5	30.9	310%
100-B-8-2_Shallow_3	64.5	49.7	30%
100-C-3_Shallow	5.5	8.6	-36%
100-C-7-1_Overburden_Focused_1	82.4	117.8	-30%
100-C-7-1_Overburden_Focused_23	27.0	52.1	-48%
100-C-7-1_Overburden_Focused_24	17.0	26.2	-35%
100-C-7-1_Overburden_Focused_30	34.3	55.8	-39%
100-C-7-1_Overburden_West	89.2	146.9	-39%
100-C-7-1_Shallow_1	89.9	55.4	62%
100-C-7-1_Shallow_2	48.4	51.6	-6%
100-C-7-1_Shallow_3	76.4	103.5	-26%
100-C-7-1_Staging Pile Area_1	79.6	50.7	57%
100-C-7-1_Staging Pile Area_2	78.6	70.6	11%
100-C-7-1_Staging Pile Area_2_Focused	20.0	28.7	-30%
100-C-7-1_Staging Pile Area_3	90.9	99.1	-8%
100-C-7-1_Staging Pile Area_4	67.8	46.5	46%
100-C-7_Overburden_Focused_15	82.2	159.5	-48%
100-C-7_Overburden_Focused_18	55.4	54.9	1%
100-C-7_Overburden_Focused_2	90.9	69.3	31%

100-C-7_Overburden_Focused_27	20.7	20.9	-1%
100-C-7_Overburden_Focused_31	101.3	163.6	-38%
100-C-7_Overburden_Focused_45	14.9	18.7	-21%
100-C-7_Overburden_Focused_47	16.2	31.8	-49%
100-C-7_Shallow_1	85.4	35.7	139%
100-C-7_Shallow_2	44.5	35.9	24%
100-C-7_Staging Pile Area	93.4	45.2	107%
100-C-9-1_Deep_Focused	1.1	2.0	-43%
100-C-9-1_Overburden_Focused	122.0	44.6	174%
100-C-9-1_Shallow_2	53.5	26.1	105%
100-C-9-1_Shallow_Focused	232.5	348.7	-33%
100-C-9-2_Overburden_Focused	17.8	16.6	7%
100-C-9-2_Shallow	26.2	11.7	124%
100-C-9-2_Shallow_Focused	16.7	14.8	13%
100-C-9-3_Deep_Focused	1.1	2.0	-44%
100-C-9_1_Shallow_1	74.9	112.0	-33%
116-B-1_Deep	24.4	20.0	21%
116-B-1_Shallow	26.2	10.8	142%
116-B-10_Shallow	7.0	8.4	-17%
116-B-11_Deep	68.1	85.7	-21%
116-B-11_Shallow	26.3	6.8	286%
116-B-12_Deep	5.4	15.2	-64%
116-B-12_Shallow	11.7	15.9	-26%
116-B-13_Shallow	15.9	24.6	-35%
116-B-14_Deep	6.5	3.6	81%
116-B-14_Shallow	9.4	3.4	178%
116-B-15_Shallow_Focused	14.9	17.9	-17%
116-B-2_Deep	12.1	14.9	-19%
116-B-2_Shallow	13.1	7.7	71%
116-B-3_Deep	3.0	2.2	38%
116-B-3_Shallow	5.2	6.5	-20%
116-B-4_Deep	22.9	38.9	-41%
116-B-4_Shallow	16.4	10.0	65%
116-B-5_Deep_Focused	8.0	18.5	-57%
116-B-5_Overburden_Focused	6.1	4.8	26%
116-B-5_Shallow_Focused	8.8	37.6	-77%
116-B-6A_Deep	8.0	11.0	-28%
116-B-6A_Shallow	11.3	7.9	43%
116-B-6B_Shallow	5.0	8.6	-42%
116-B-7, 132-B-6, 132-C-2_Deep	8.3	12.7	-34%
116-B-7, 132-B-6, 132-C-2_Shallow	21.3	20.9	2%
116-B-9_Shallow	4.0	7.1	-43%
116-C-1_Deep	59.5	57.5	3%

116-C-1_Overburden	68.1	23.0	196%
116-C-1_Shallow	38.2	12.3	211%
116-C-2A_Deep	17.0	14.2	20%
116-C-2A_Overburden	17.3	23.6	-26%
116-C-2A_Shallow	23.1	9.8	136%
116-C-3_Overburden_Focused	46.8	33.4	40%
116-C-3_Shallow	4.3	5.0	-14%
116-C-3_Shallow_Focused	4.2	4.6	-9%
116-C-3_Staging pile area_Focused	18.8	35.8	-48%
116-C-5_Deep	90.4	93.1	-3%
116-C-5_Overburden	58.1	20.2	188%
116-C-5_Shallow	40.3	10.4	287%
116-C-6_Shallow_Focused	2.3	2.4	-4%
118-B-1_Overburden_1	4.9	2.6	88%
118-B-1_Overburden_8	85.7	101.9	-16%
118-B-1_Overburden_9	74.2	32.7	127%
118-B-1_Shallow_1	34.7	37.4	-7%
118-B-1_Shallow_2	21.9	6.1	258%
118-B-1_Shallow_3	38.4	9.8	293%
118-B-1_Shallow_4	21.5	17.2	25%
118-B-1_Shallow_5	18.6	33.1	-44%
118-B-1_Shallow_6	54.3	8.6	534%
118-B-1_Shallow_7	54.1	55.0	-2%
118-B-1_Shallow_Focused	165.5	250.9	-34%
118-B-1_Staging pile area	94.2	103.6	-9%
118-B-1_Staging pile area_Focused	10.2	2.9	253%
118-B-10_Shallow	5.7	8.6	-33%
118-B-10_Shallow_Focused	2.6	2.1	24%
118-B-10_Staging pile area	7.9	8.3	-4%
118-B-3_Overburden_2	46.1	40.2	15%
118-B-3_Overburden_4	38.3	76.8	-50%
118-B-3_Shallow	38.1	27.8	37%
118-B-3_Shallow_Focused	35.6	63.2	-44%
118-B-3_Staging pile area	47.9	47.5	1%
118-B-4_Shallow	13.0	24.2	-46%
118-B-4_Staging pile area	21.2	23.5	-10%
118-B-5_Shallow	14.9	22.5	-34%
118-B-5_Shallow_Focused	4.4	2.3	93%
118-B-5_Staging pile area	30.8	27.1	14%
118-B-6_Deep	4.2	6.2	-32%
118-B-6_Overburden	21.8	23.6	-8%
118-B-6_Shallow	16.2	17.0	-4%
118-B-6_Staging pile area	12.4	21.8	-43%

118-B-7_Shallow_Focused	0.6	0.2	182%
118-B-9_Shallow_Focused	4.4	4.2	5%
118-C-1_Overburden	53.4	49.7	7%
118-C-1_Shallow_1	31.0	29.6	5%
118-C-1_Shallow_2	27.3	17.1	60%
118-C-1_Shallow_3	49.1	41.6	18%
118-C-1_Shallow_4	49.1	32.4	51%
118-C-1_Shallow_Focused	82.5	84.2	-2%
118-C-1_Staging Pile Area	86.0	64.5	33%
118-C-2_Shallow	6.6	9.8	-32%
118-C-2_Staging pile area	5.5	8.0	-31%
118-C-3-2_Deep_Focused	4.9	4.3	16%
118-C-3-3_Shallow_Focused	36.7	60.3	-39%
118-C-4_Shallow	6.2	5.2	21%
120-B-1_Shallow_Focused	6.4	10.6	-39%
126-B-3_Shallow	62.6	87.4	-28%
126-B-3_Staging pile area_2	82.2	84.6	-3%
126-B-3_Staging pile area_3	40.2	67.8	-41%
126-B-3_Staging pile area_Focused	1.1	2.0	-44%
128-B-2_Shallow	64.3	95.0	-32%
128-B-3_Shallow_1	28.3	15.4	83%
128-B-3_Shallow_2	46.7	45.7	2%
128-B-3_Shallow_3	58.8	39.8	48%
128-B-3_Staging pile area	39.7	56.2	-29%
128-B-3_Staging pile area_Focused	3.8	4.3	-11%
128-C-1_Shallow	32.5	45.4	-28%
128-C-1_Shallow_Focused	30.7	37.0	-17%
1607-B1_Shallow_Focused	7.9	6.3	25%
1607-B10_Shallow	7.5	14.6	-48%
1607-B11_Shallow	6.6	10.2	-36%
1607-B2-1_Overburden_Focused	21.3	10.6	100%
1607-B2-1_Shallow	42.8	35.7	20%
1607-B2-2_Overburden_Focused	67.7	129.6	-48%
1607-B2-2_Shallow	77.2	240.1	-68%
1607-B7_Shallow	10.8	12.3	-12%
1607-B8_Shallow	9.0	14.3	-37%
1607-B9_Shallow	23.5	28.0	-16%
600-232_Shallow	170.4	147.8	15%
600-233_Shallow_Focused	4.6	2.1	113%

7 Results/Conclusions

Both calculation methods are easy to perform. In situations where there is prominent groundwater direction and gradient, the IFV method may be useful, as it is a measurement sensitive to both decision unit geometry and orientation and carries an estimate of variation. In situations where multiple measurement methods are desired, the method could be stored in a separate database field, in addition to the measurement.

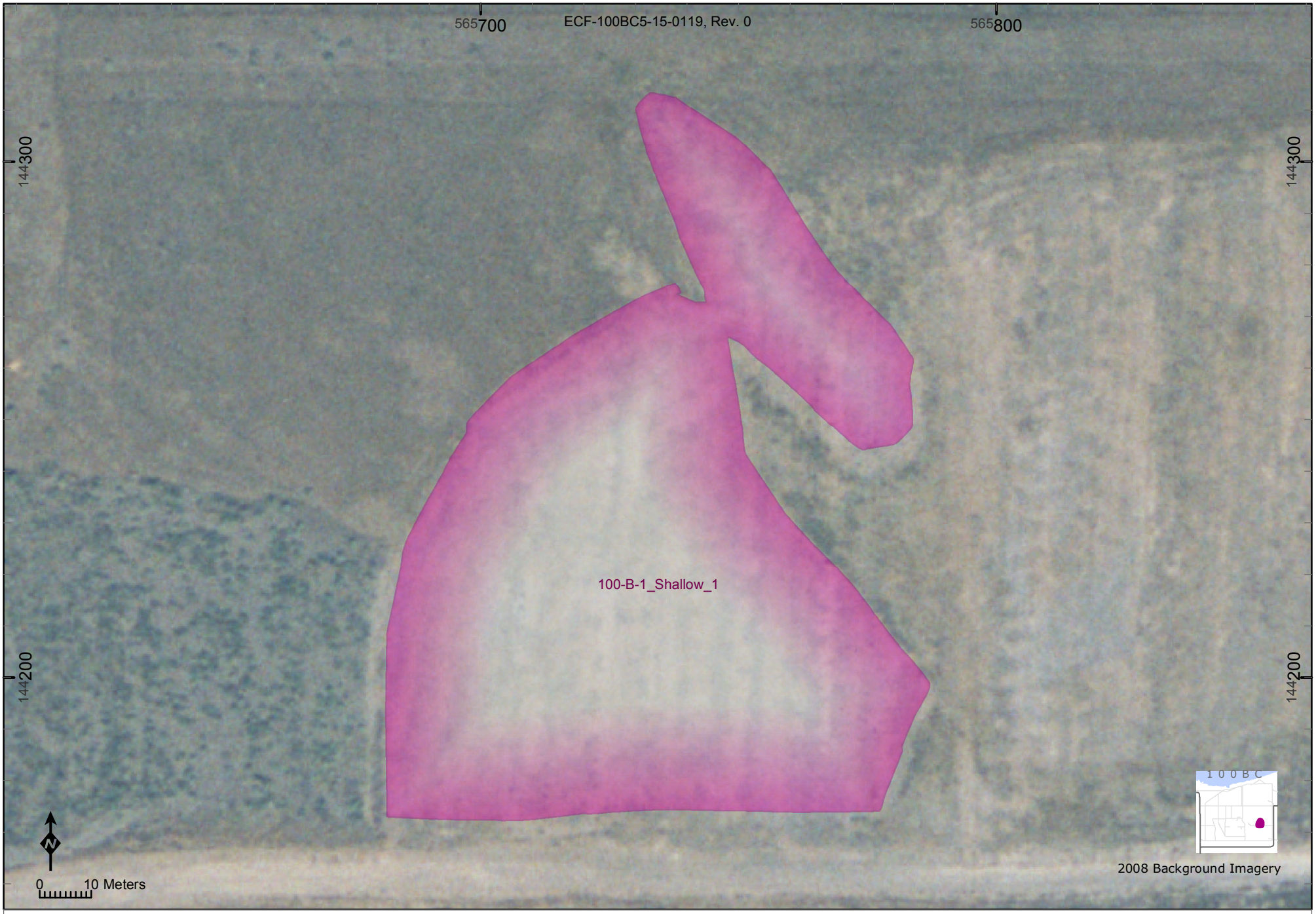
8 References

Esri 2014. *ArcGIS™ for Desktop*. Environmental Systems Research Institute, Redlands, California.

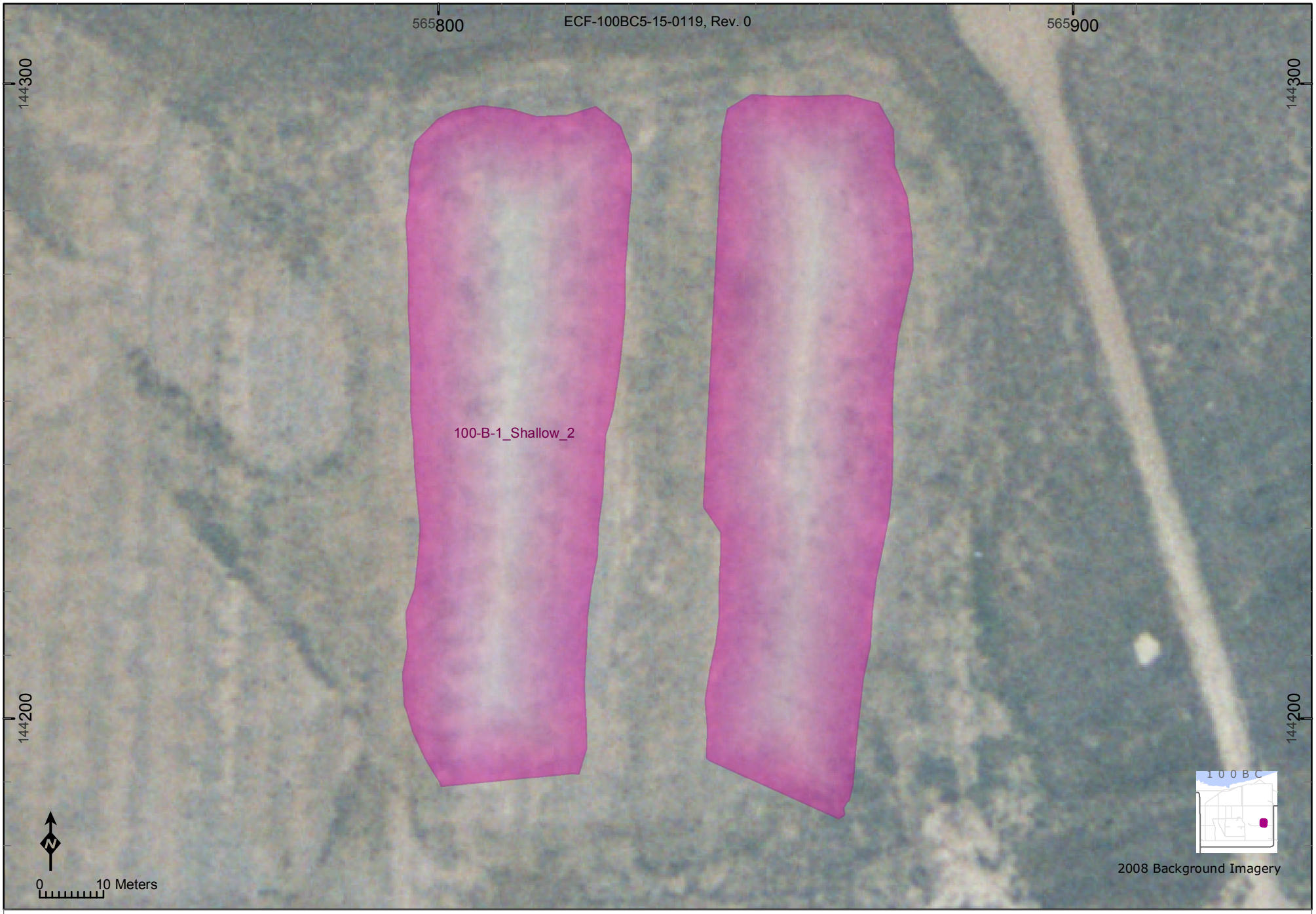
EPA530-D-02-002, 2002. *RCRA Waste Sampling Draft Technical Guidance,* United States Environmental Protection Agency, Office of Solid Waste.

Appendix A

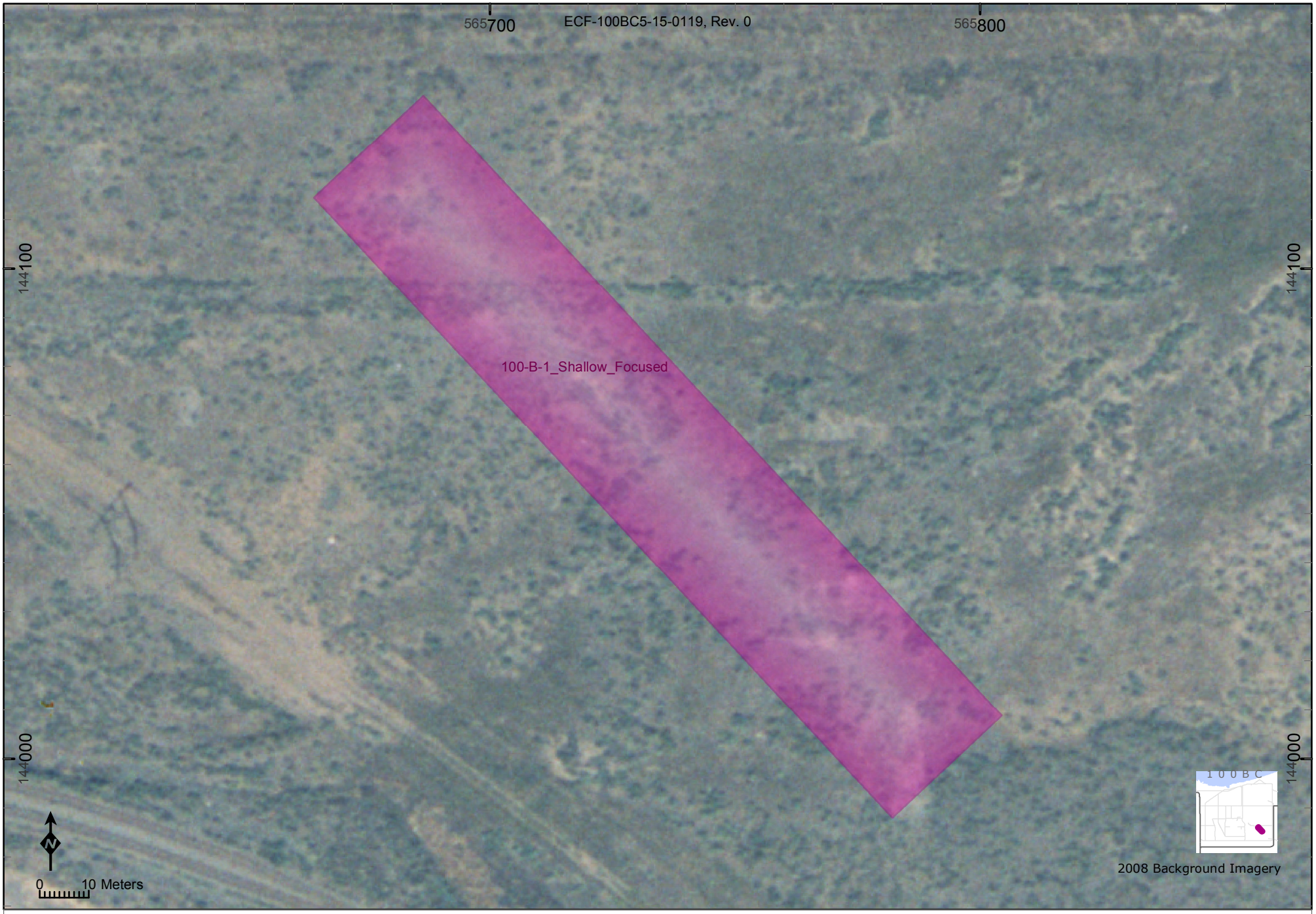
Decision Units Map Series



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-1_Shallow_1	**53.6**	**58.6**	31	154	4.1	134

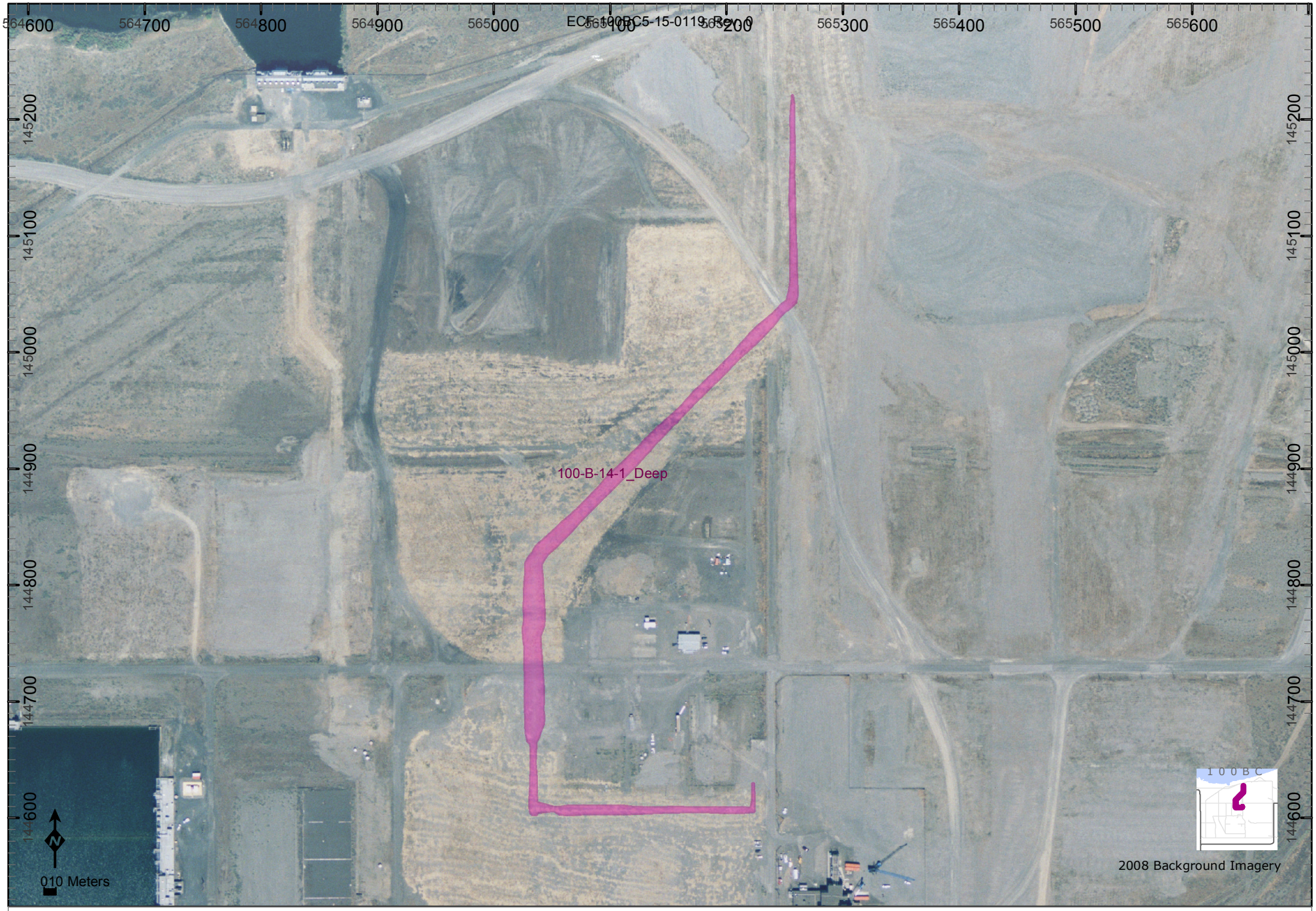


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-1_Shallow_2	**44.3**	13 **80.3**	38	77	0.1	114

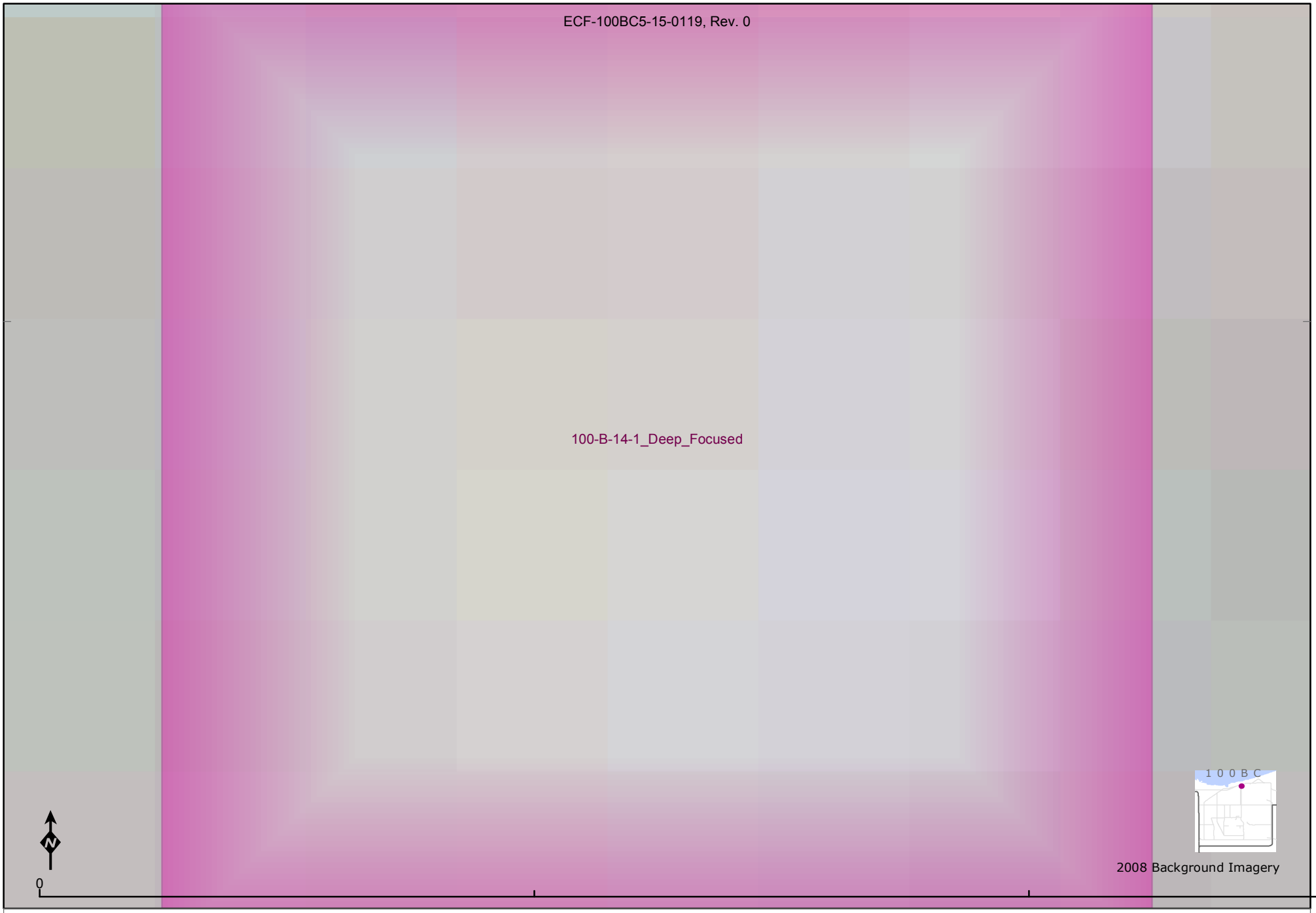


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-1_Shallow_Focused	**41**	14	**37.8**	13	140	0.7	45

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-11_Shallow_Focused	**1.1**	15 **2**	0	2	2	2



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-1_Deep	**50.5**	16	**18.4**	36	435	0.6	232



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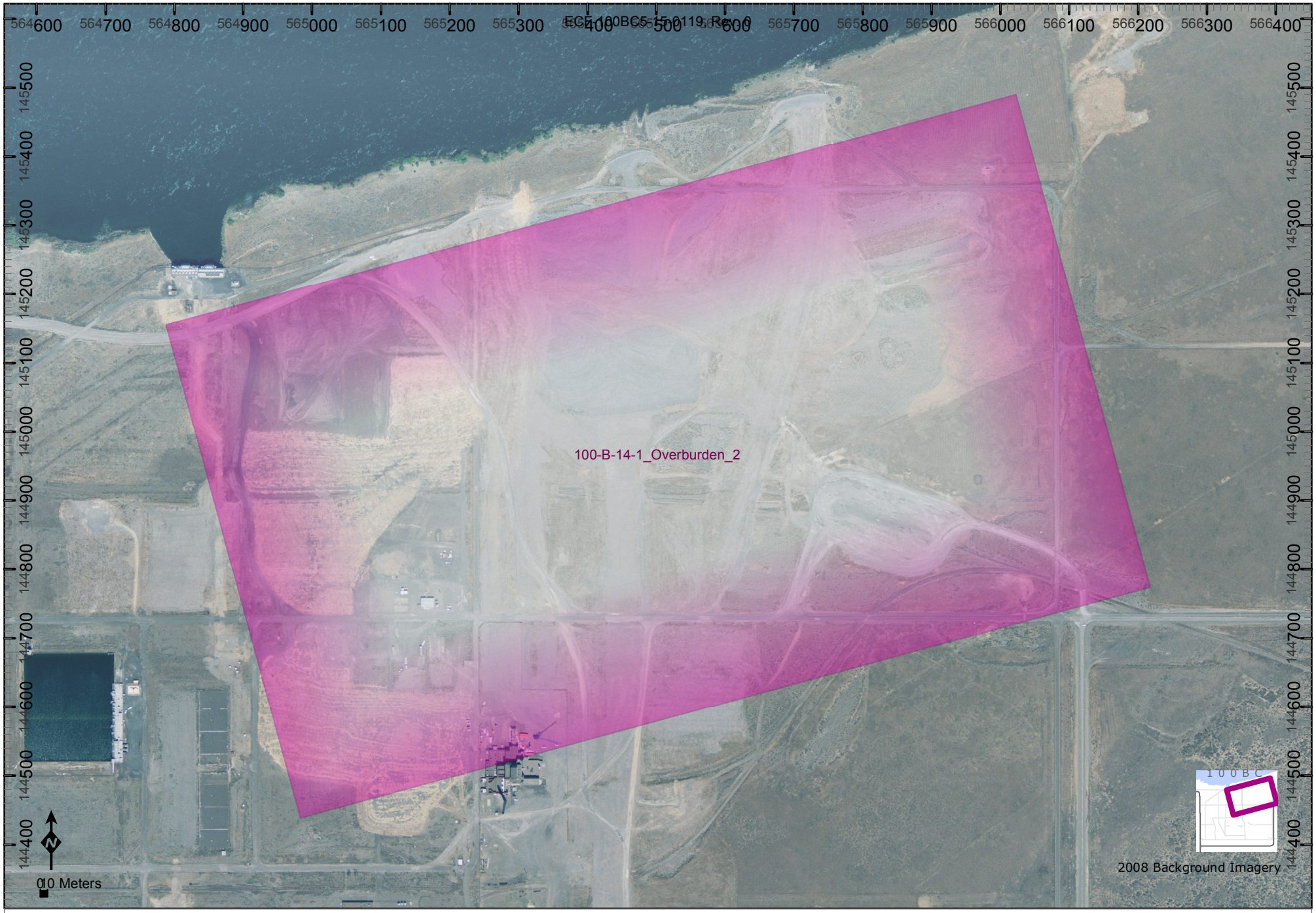
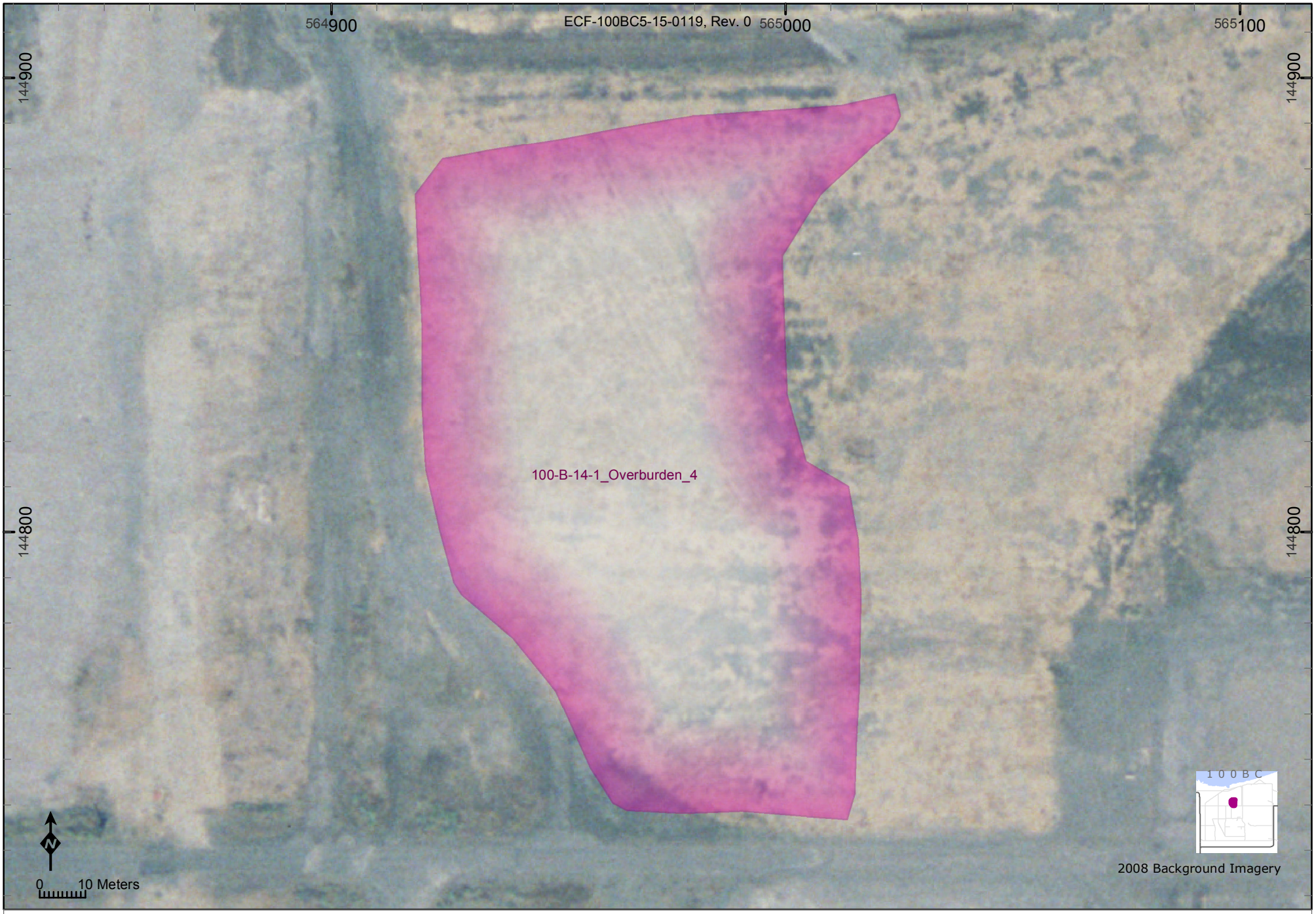
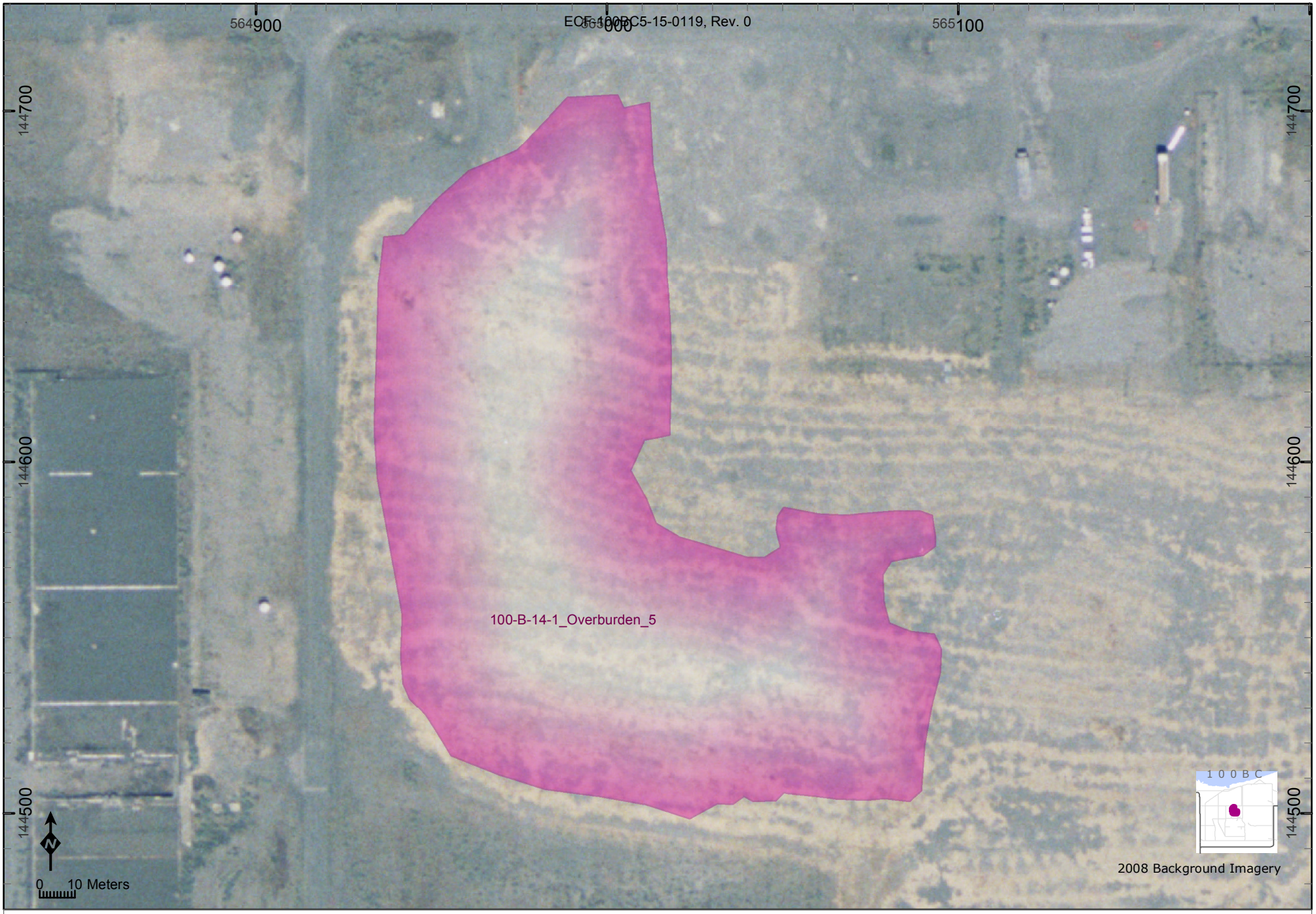
100-B-14-1_Deep_Focused	**1.1**	17	**2**	0	2	2	2



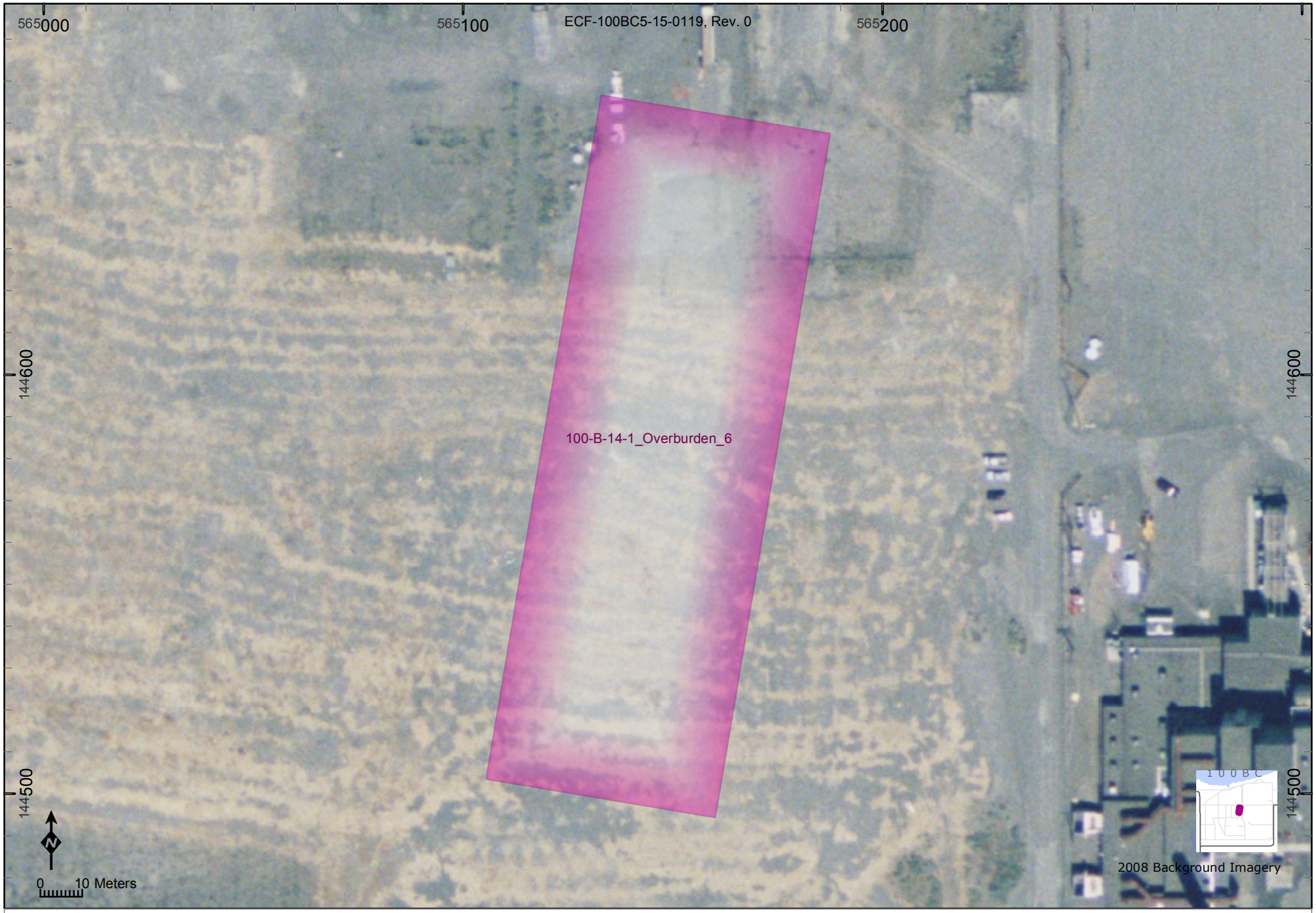
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-1_Overburden_2	**549.4**	**664.1**	207	1428	1.4	769



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-1_Overburden_4	**62.1**	19	**97.6**	52	124	1.1	155



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-1_Overburden_5	**78.9**	20	**102.9**	59	190	2.5	200



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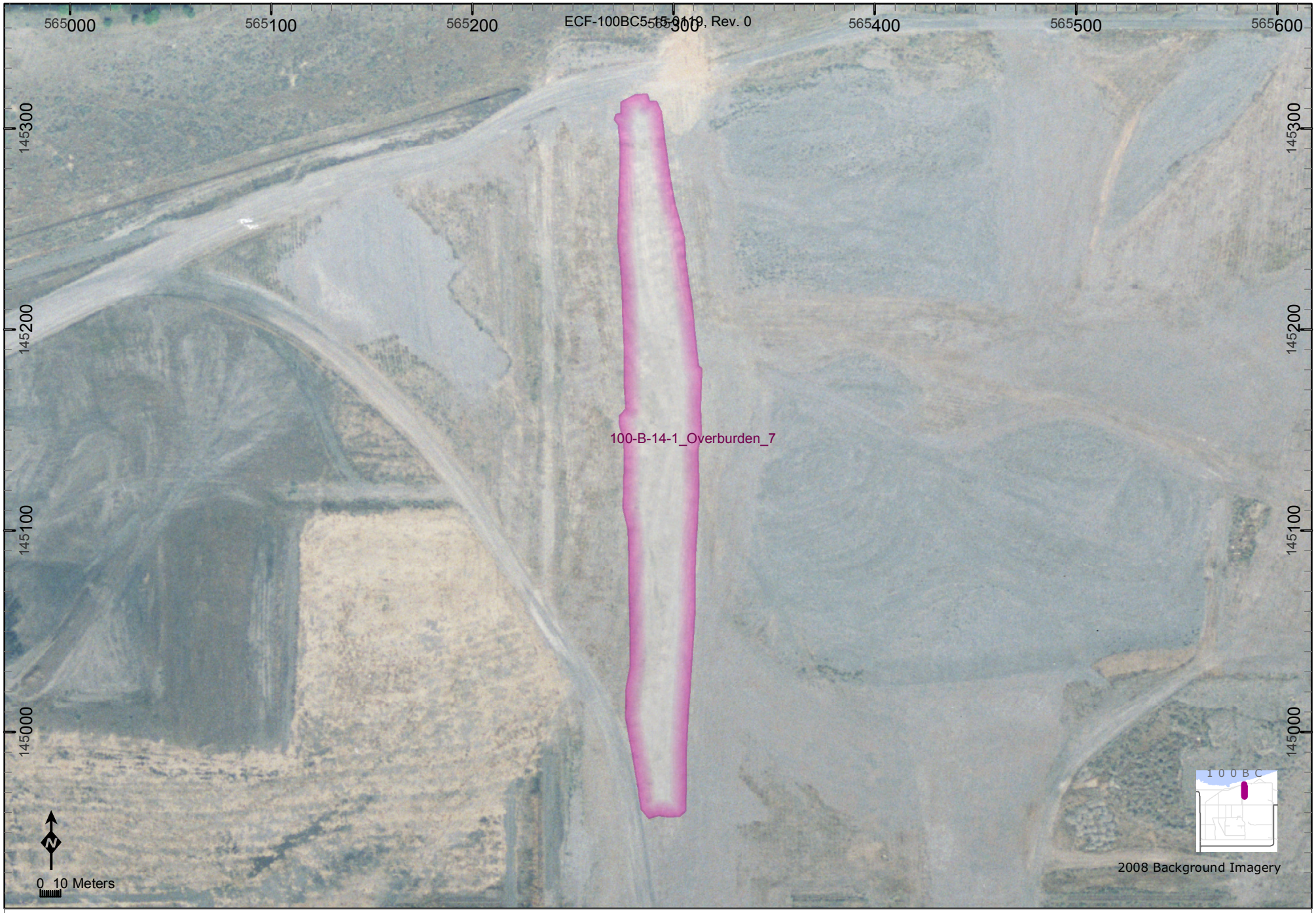
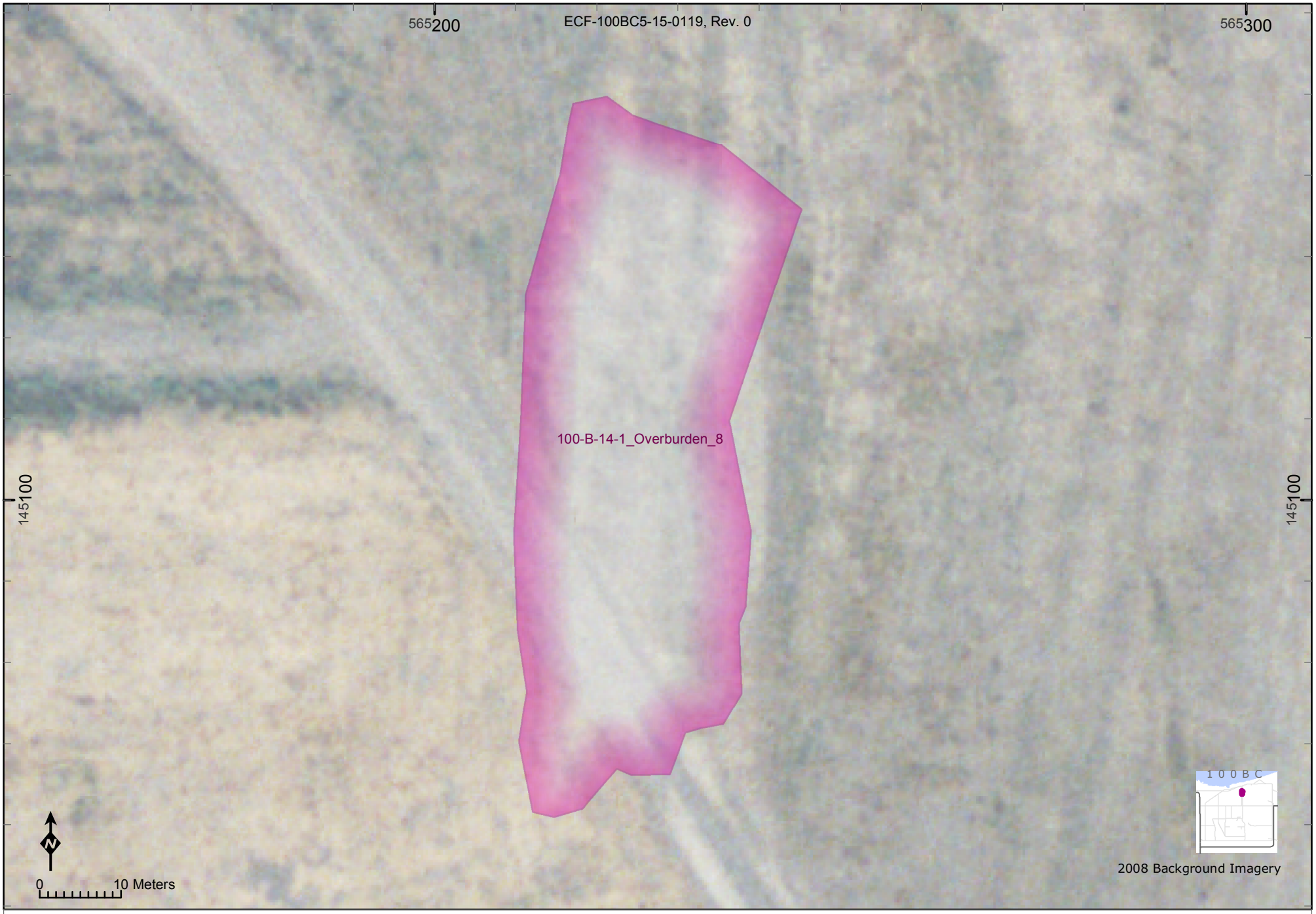
100-B-14-1_Overburden_6	**54**	21	**111.6**	56	82	2.3	168



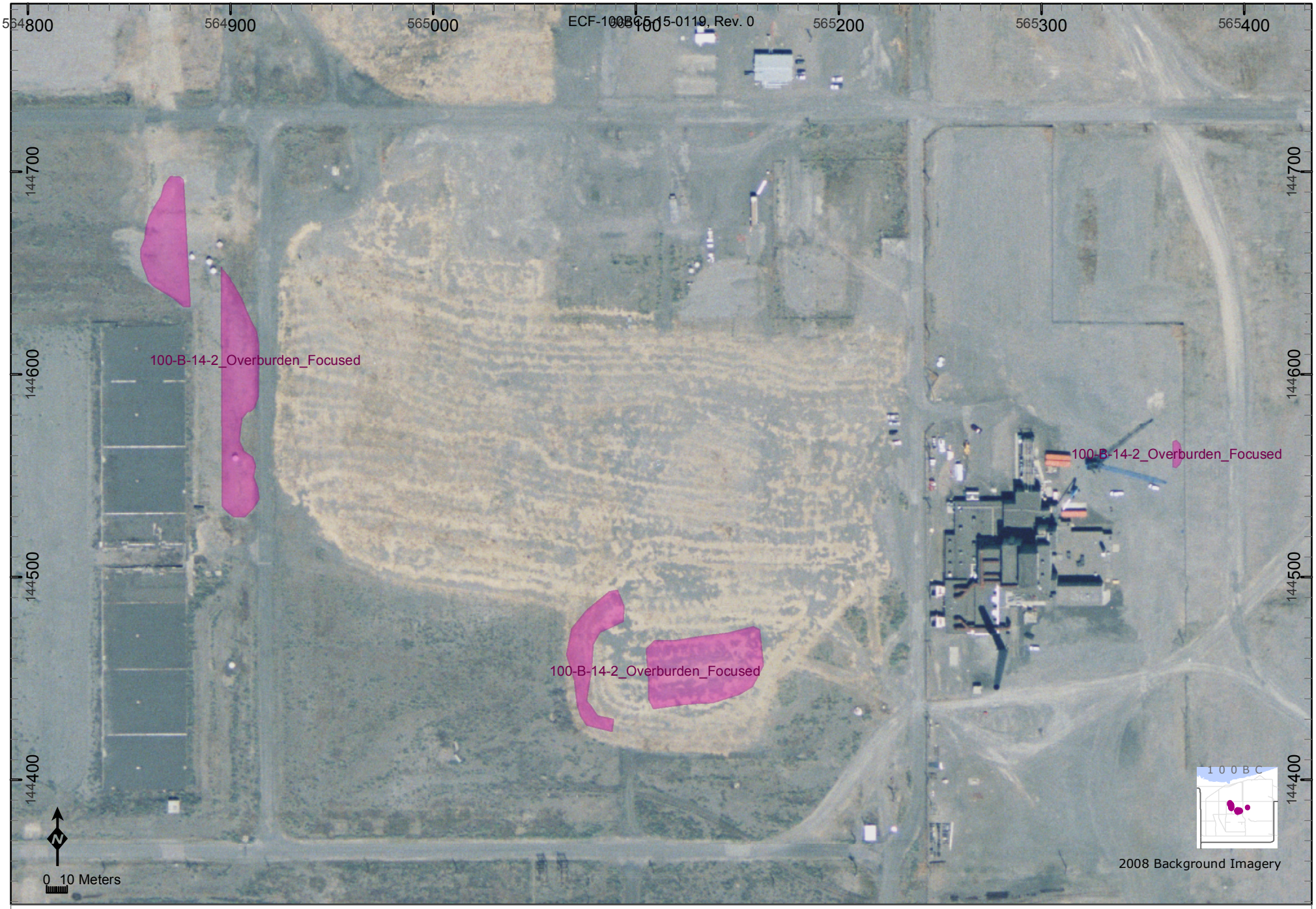
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-1_Overburden_7	**59.8**	22 **215.9**	138	52	1.9	359



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-1_Overburden_8	**26.5**	23	**56.4**	31	39	0.7	87

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-1_Overburden_9	**90.4**	24	**57.9**	34	443	0.2	156

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-1_Shallow	**104.1**	**44.6**	66	764	0.1	305



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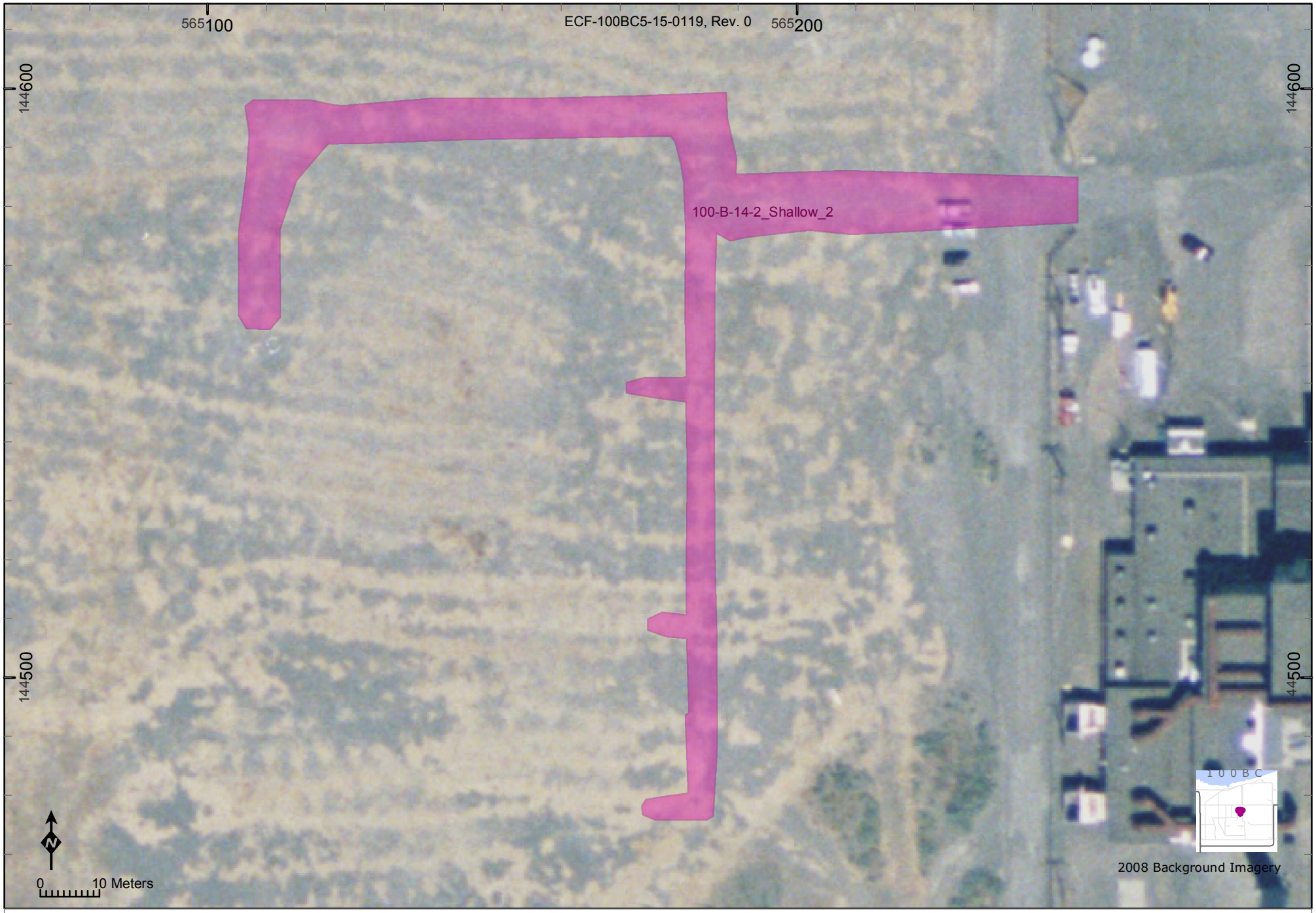
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-2_Overburden_Focused	**41**	26	**33.9**	25	156	0.7	117

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-2_Shallow_1	**21**	27 **59.2**	69	23	3.6	200



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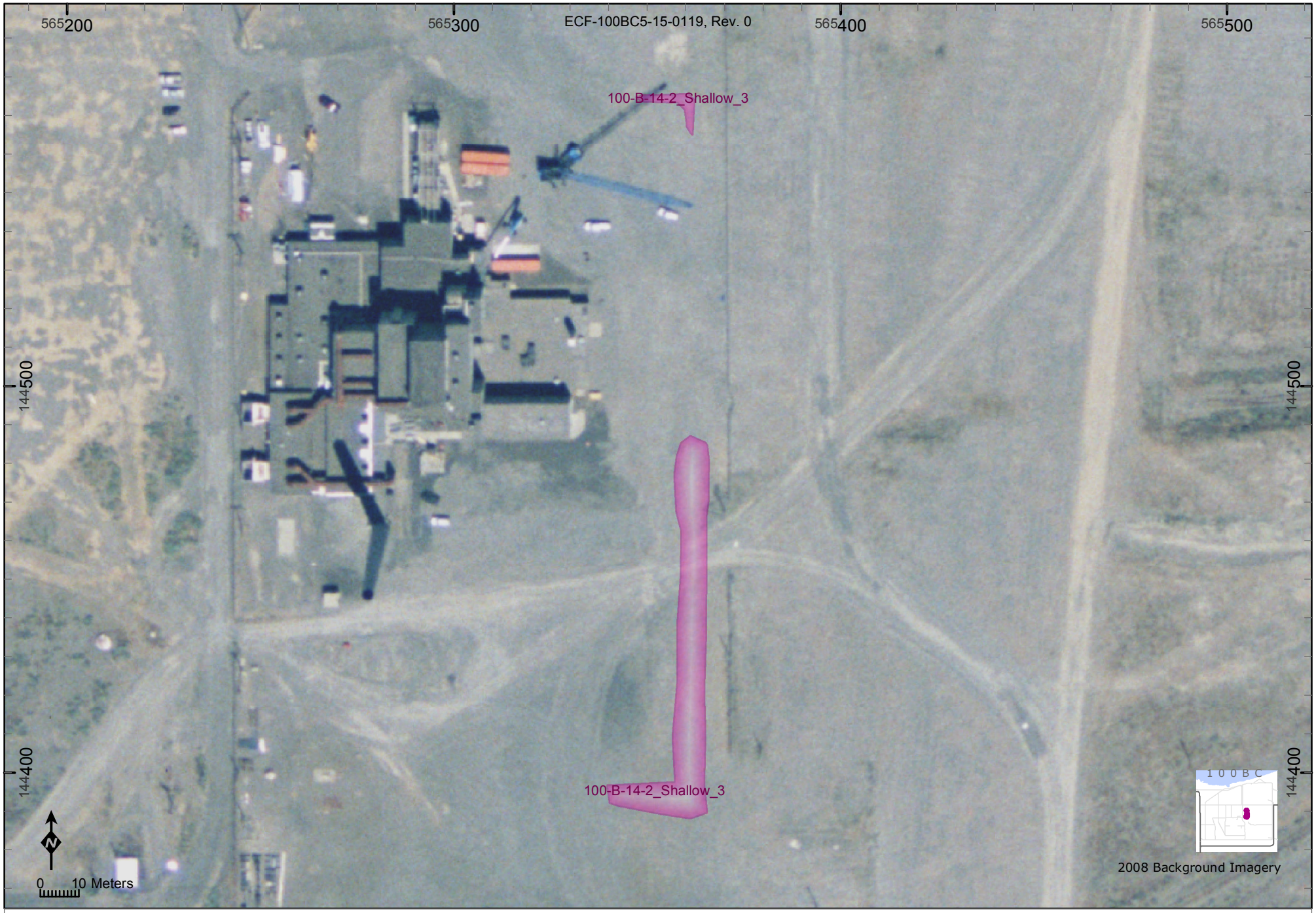
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-2_Shallow_2	**25.7**	28	**12.2**	19	169	2	123



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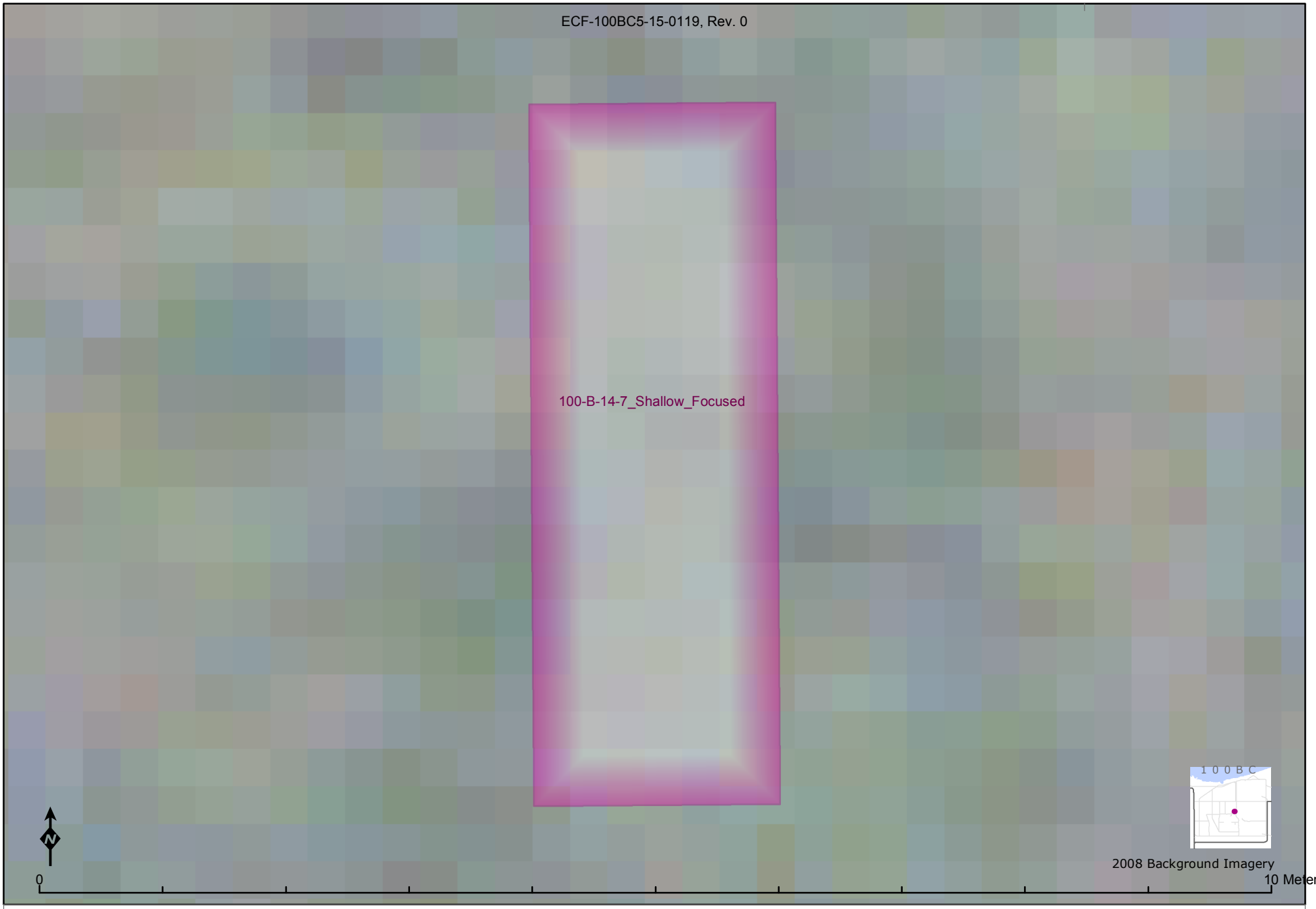
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-2_Shallow_3	**17**	29	**19.3**	32	47	0.1	99

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics				
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-2_Shallow_Focused	**1.1**	30	**2**	0	2	2	2

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-3_Deep_Focused	**1.1**	31	**2**	0	2	2	2

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics				
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-5_Shallow_Focused	**0.4**	32	**0**	0	98	0	0

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-6_Shallow_Focused	**6.5**	33	**10.9**	4	12	1.1	13



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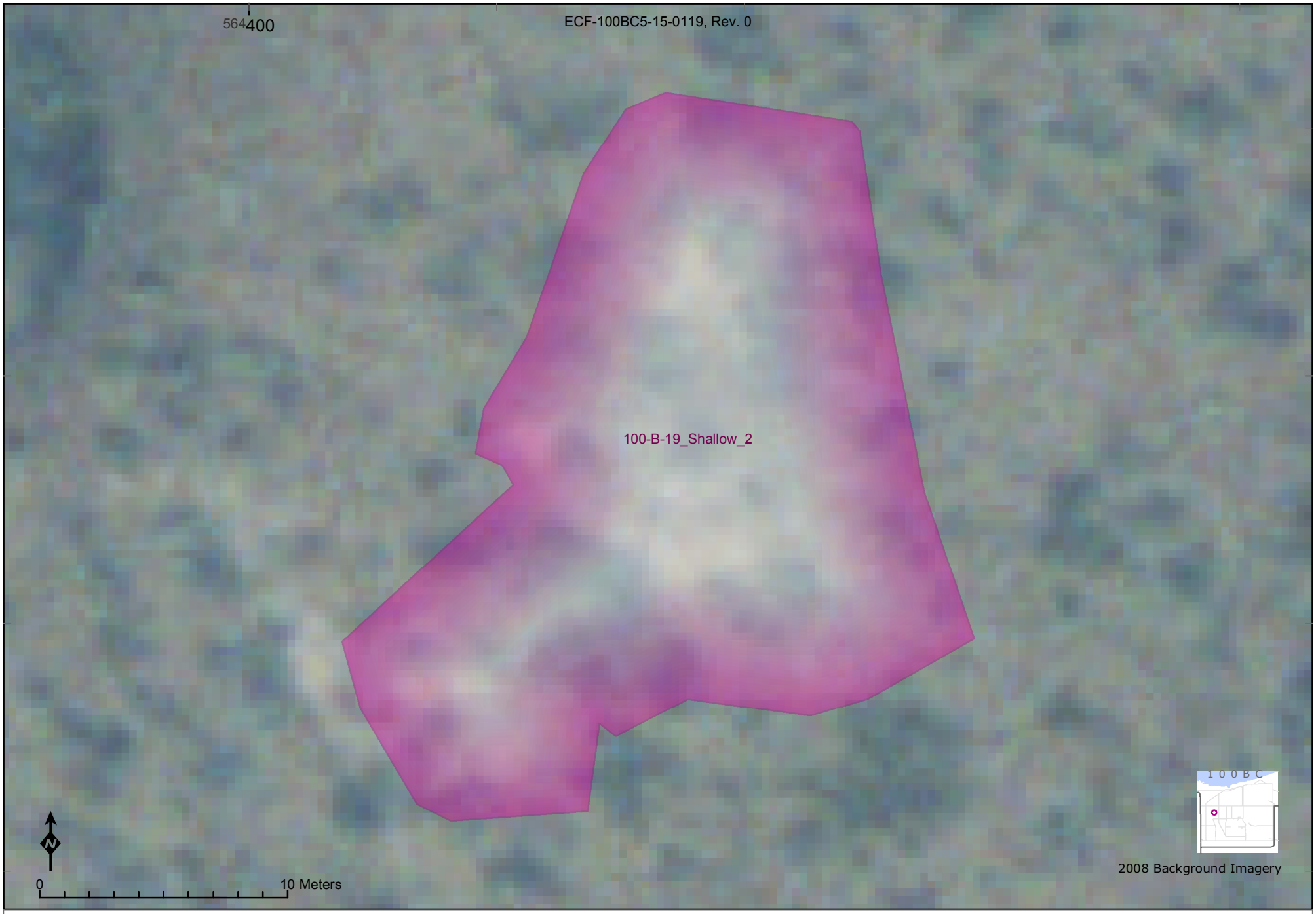
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-14-7_Shallow_Focused	**1.9**	34 **5.7**	0	2	5.7	6

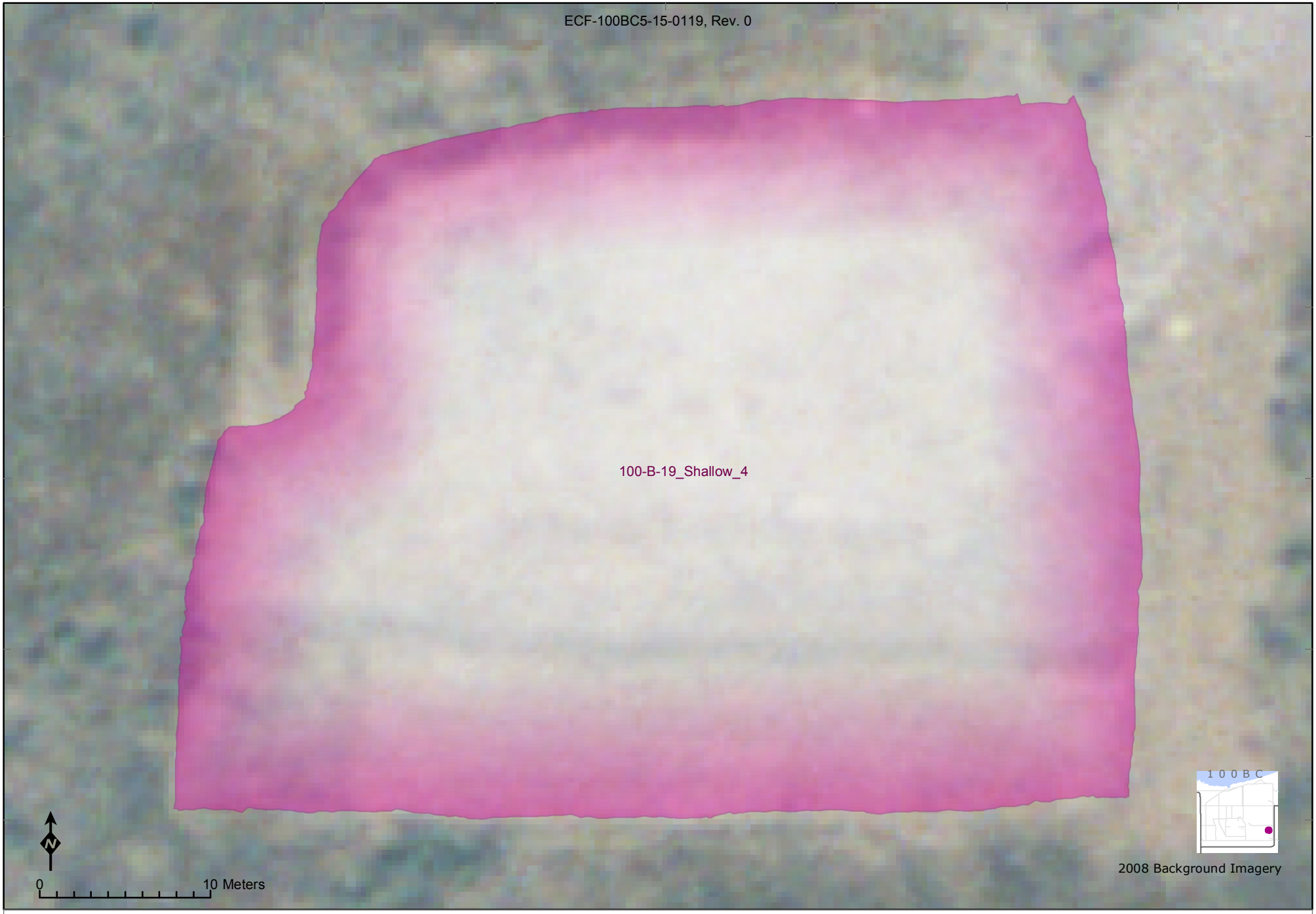
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-16_Shallow_Focused	**17.2**	35	**11.2**	4	83	0.3	17

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-18_Shallow_Focused	**10.6**	36	**19.7**	11	18	3.1	35

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-19_Shallow_1	**34.6**	37	**63.7**	33	59	0	95

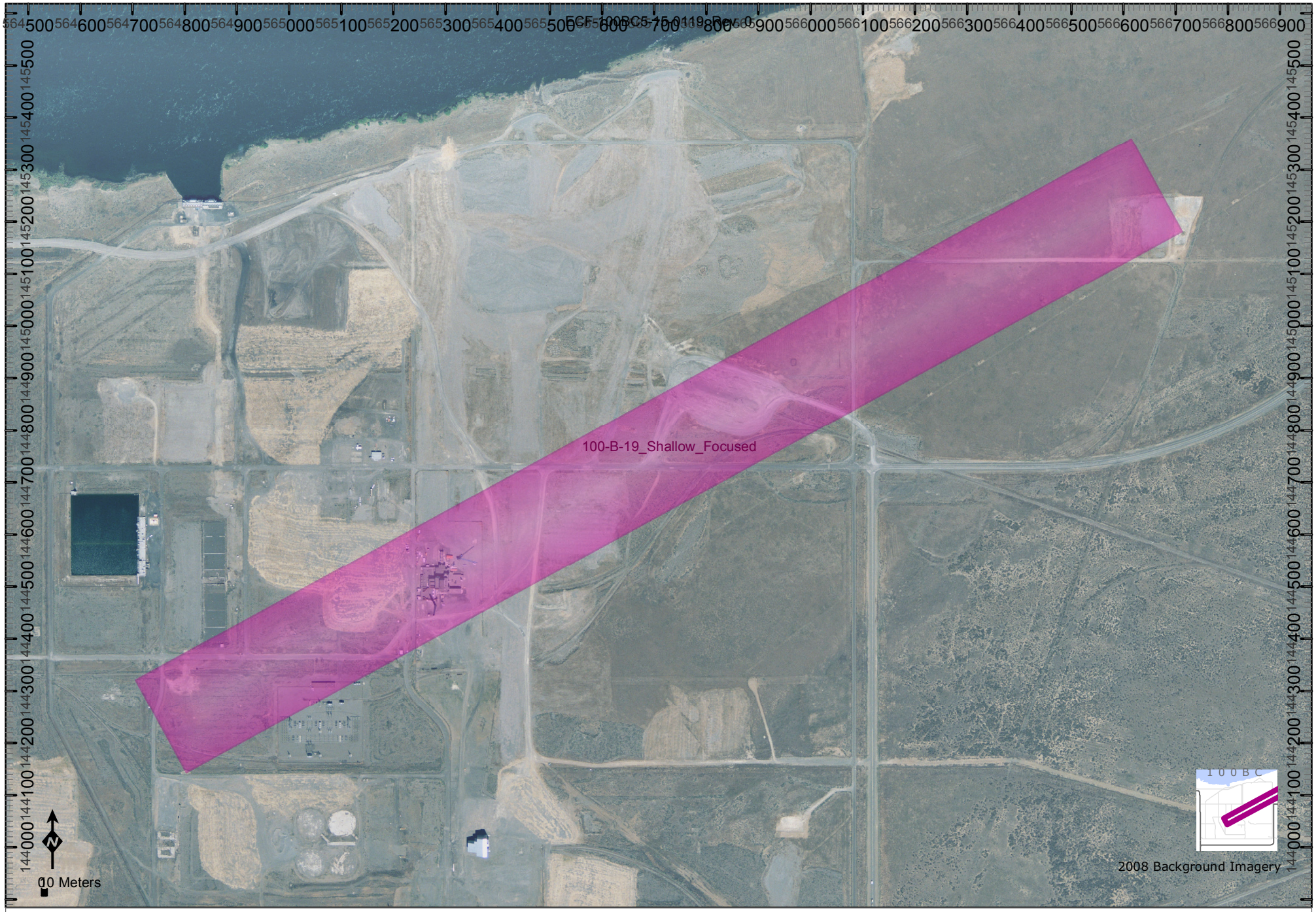


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-19_Shallow_2	**11.9**	38	**16.4**	9	27	0.9	25

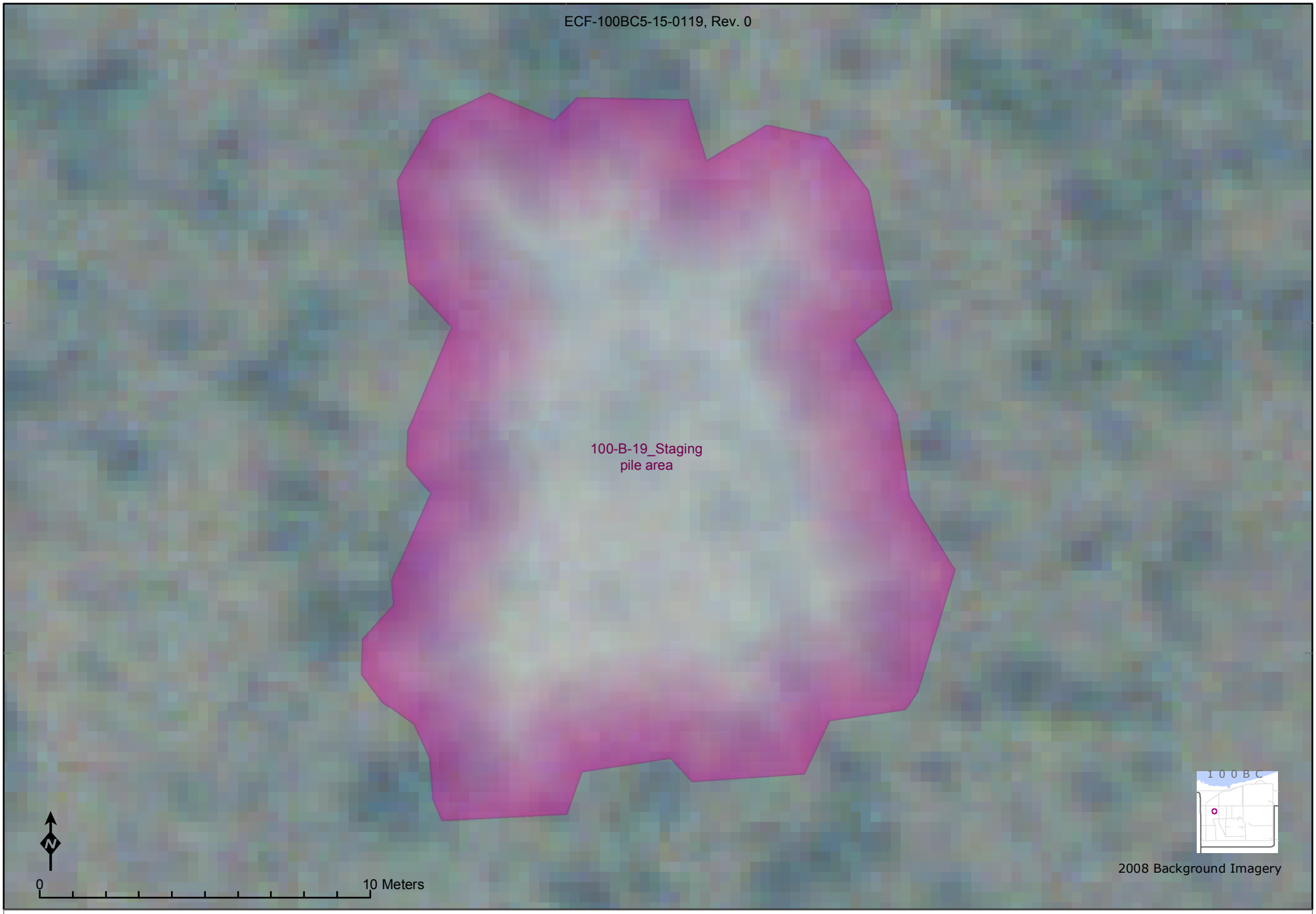


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-19_Shallow_4	**25.8**	39	**36**	10	58	0.5	42

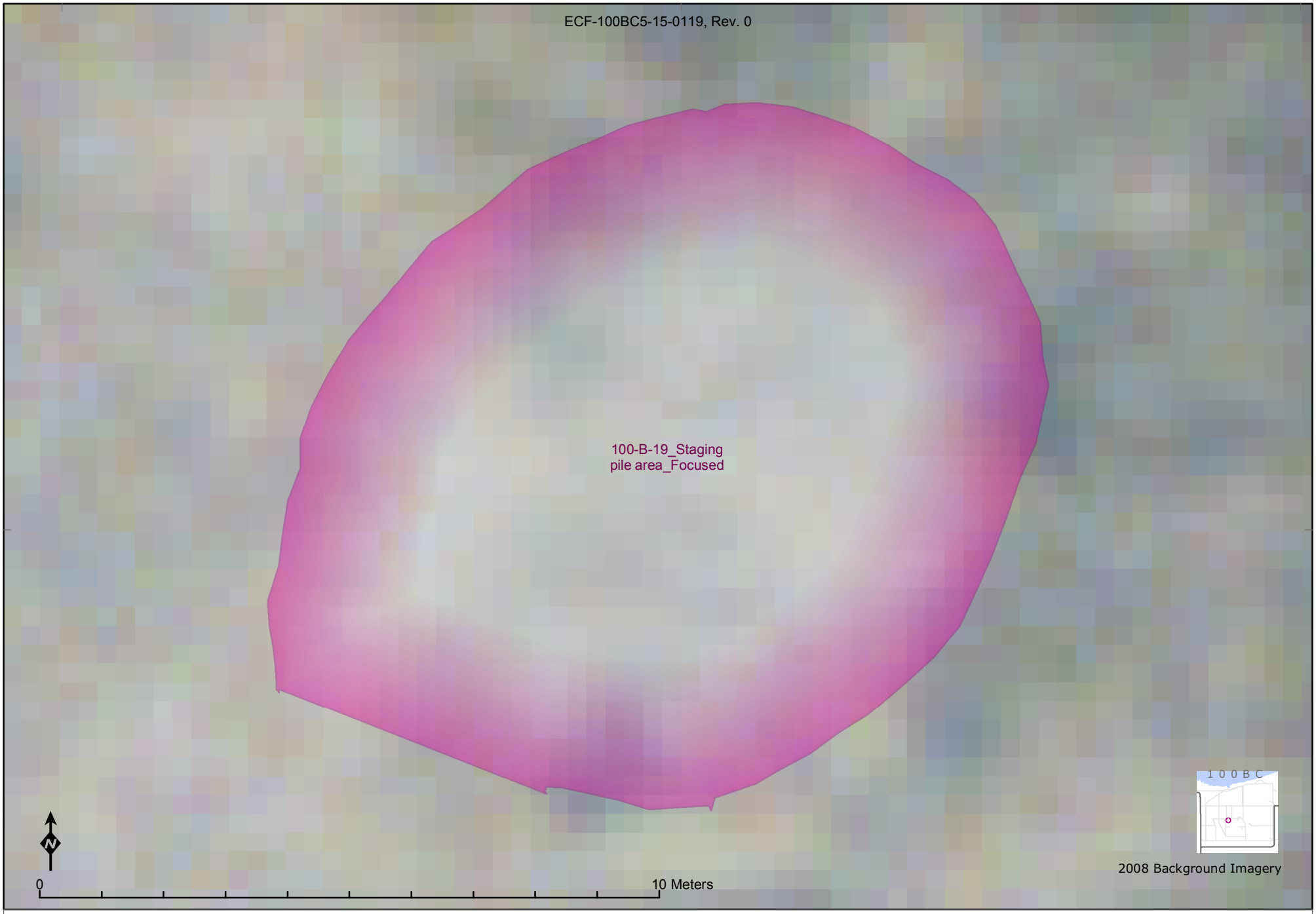
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-19_Shallow_5	**11.7**	**25.2**	15	17	0.5	38



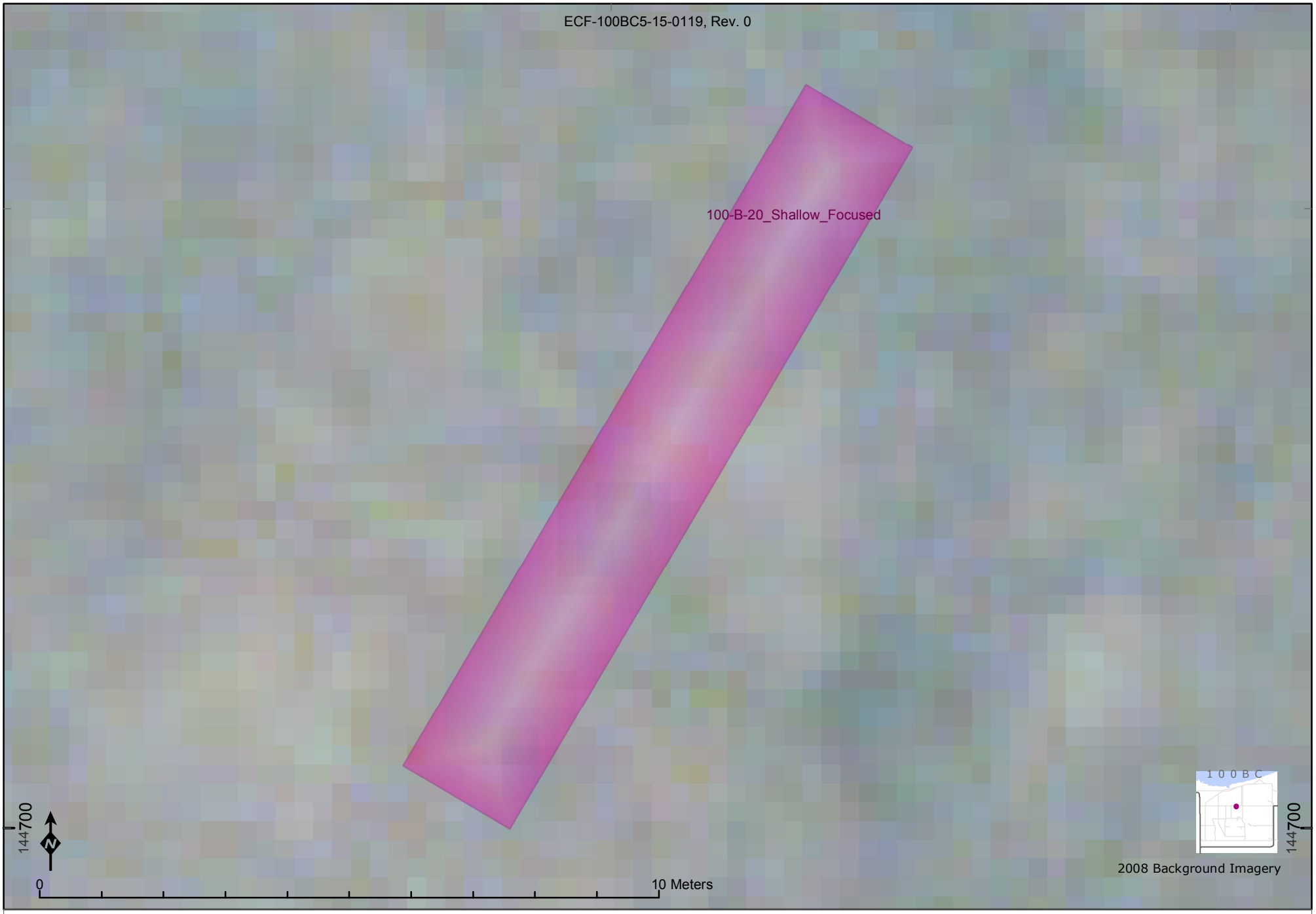
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-19_Shallow_Focused	**373.7**	**219**	40	2004	1.1	230



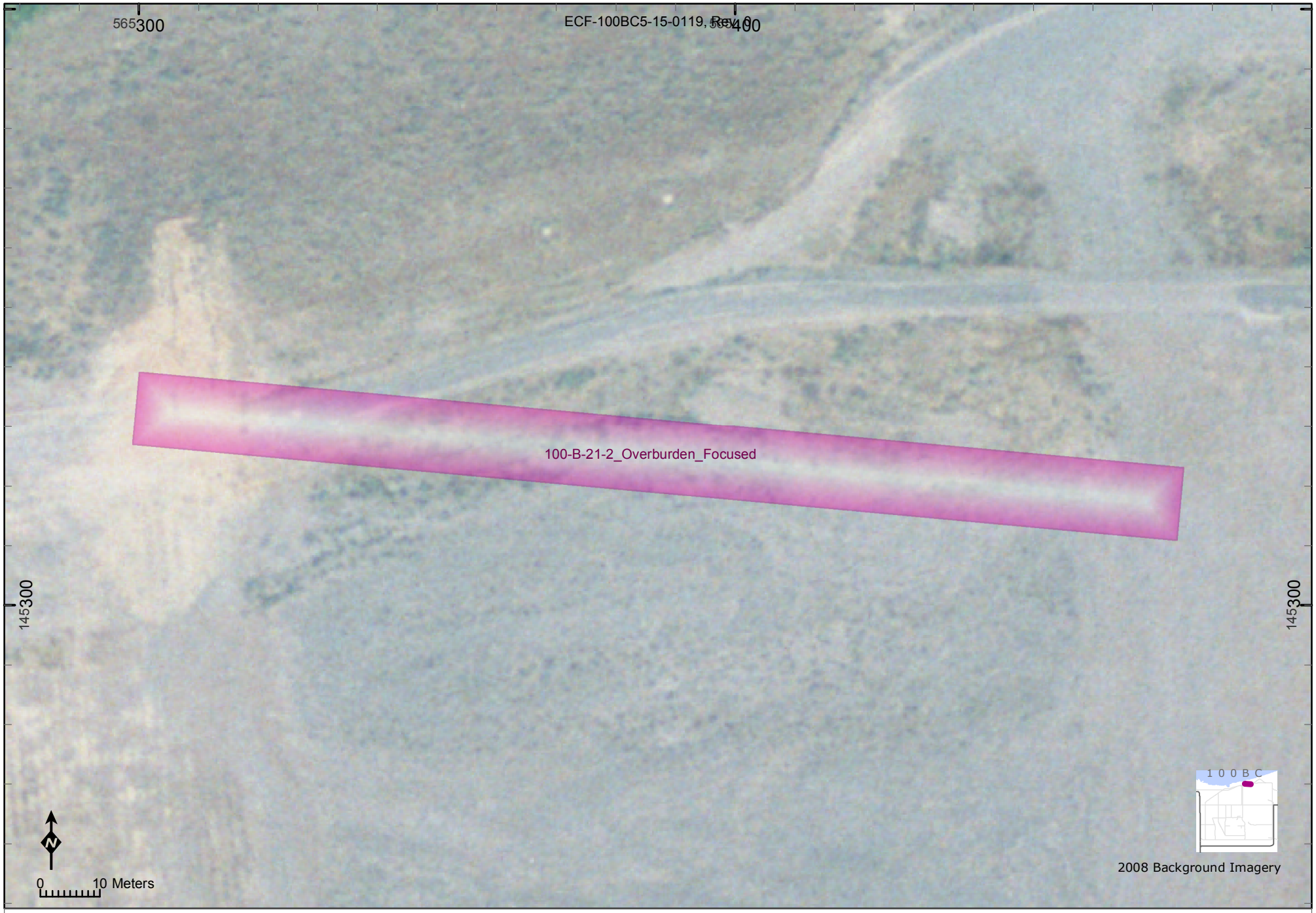
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-19_Staging pile area	**9.7**	42	**14.1**	8	21	1	22



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-19_Staging pile area_Focused	**5.8**	43	**8.8**	2	12	4.7	11



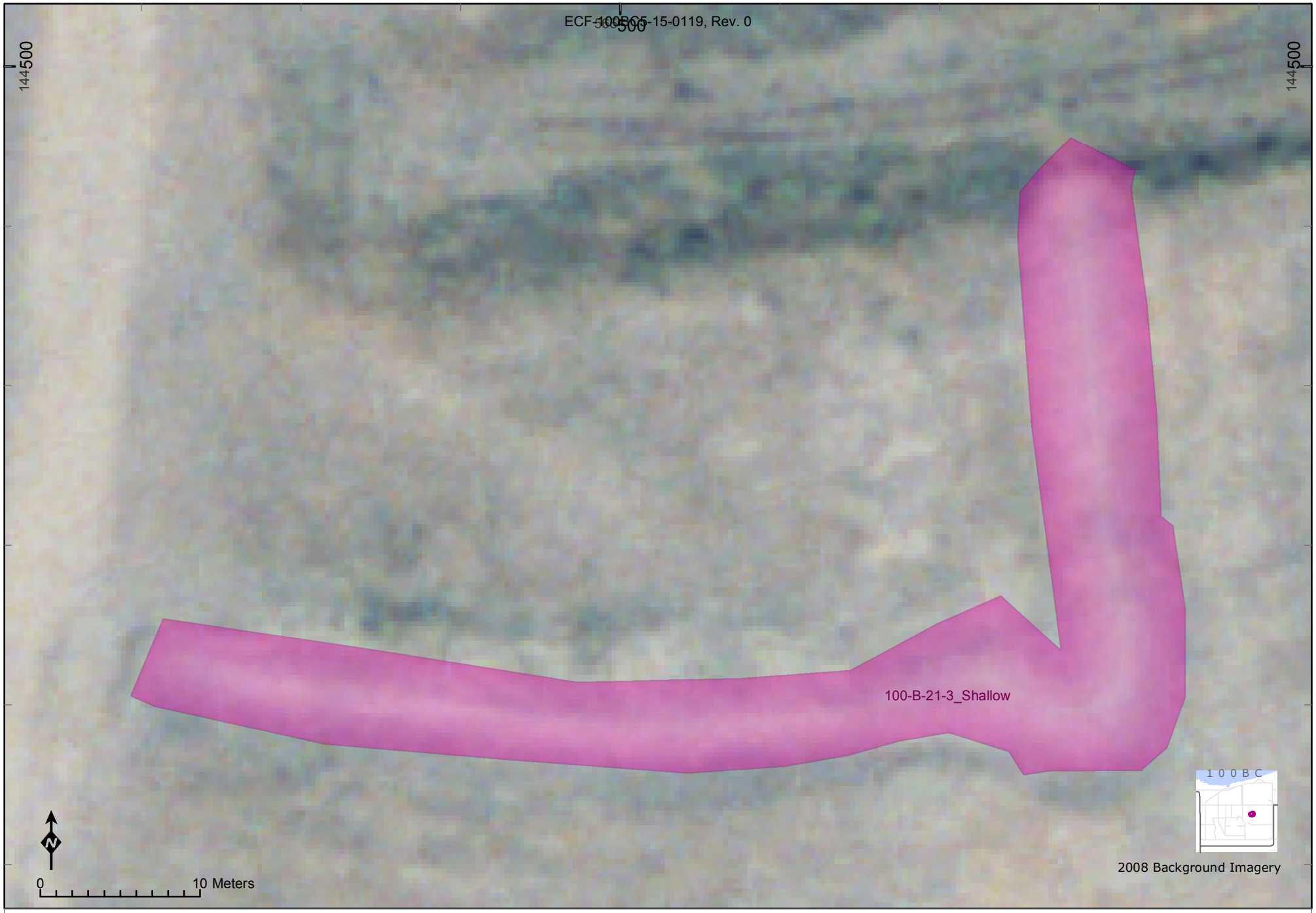
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics				
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-20_Shallow_Focused	**2.9**	44	**3.2**	1	8	0.8	4



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-21-2_Overburden_Focused	**26.1**	**12.1**	1	176	1.2	12

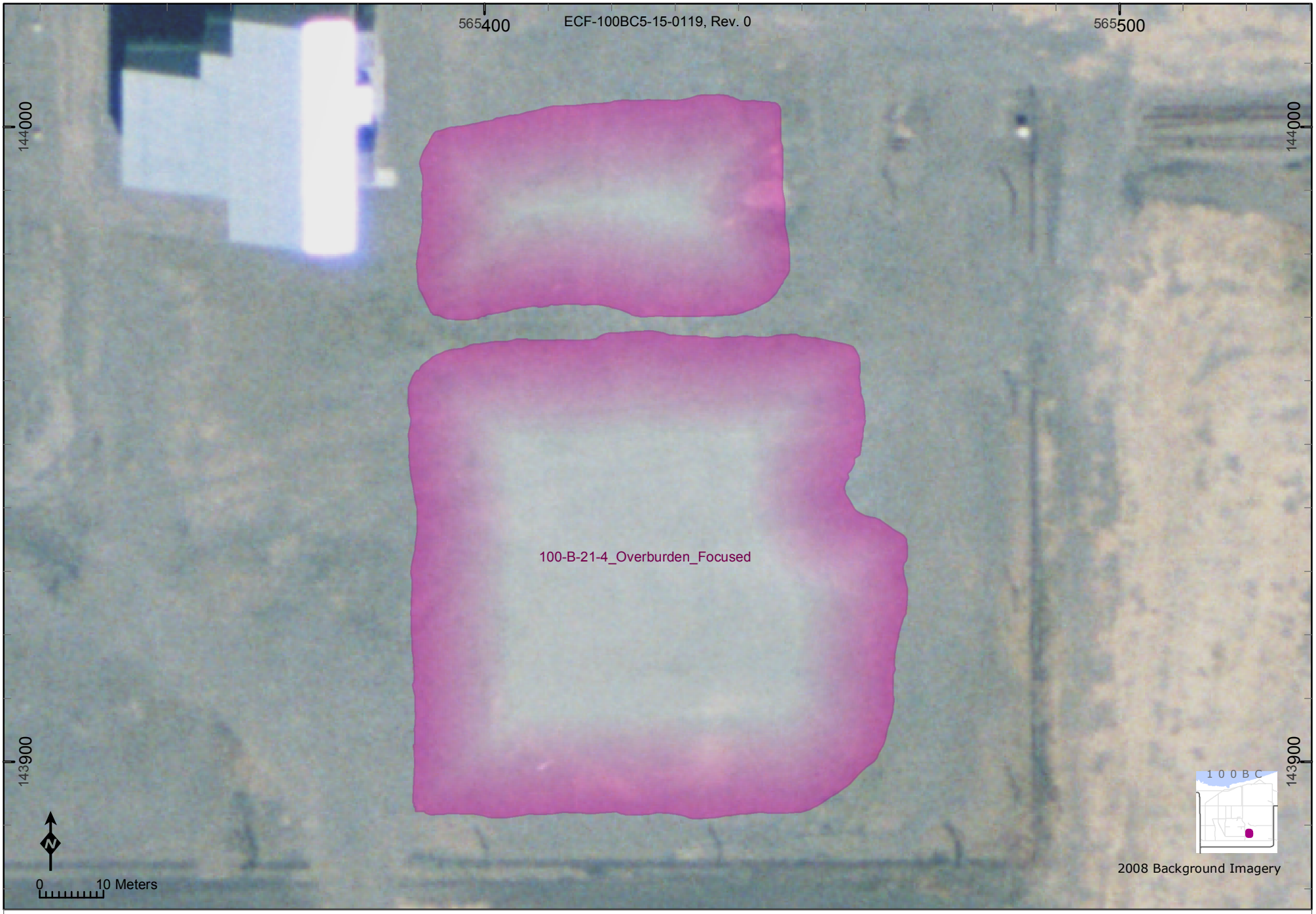
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-21-2_Shallow	**10.3**	46	**33**	20	10	4.9	48

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-21-3_Overburden_Focused	**12.8**	47	**7.5**	3	69	0.3	12



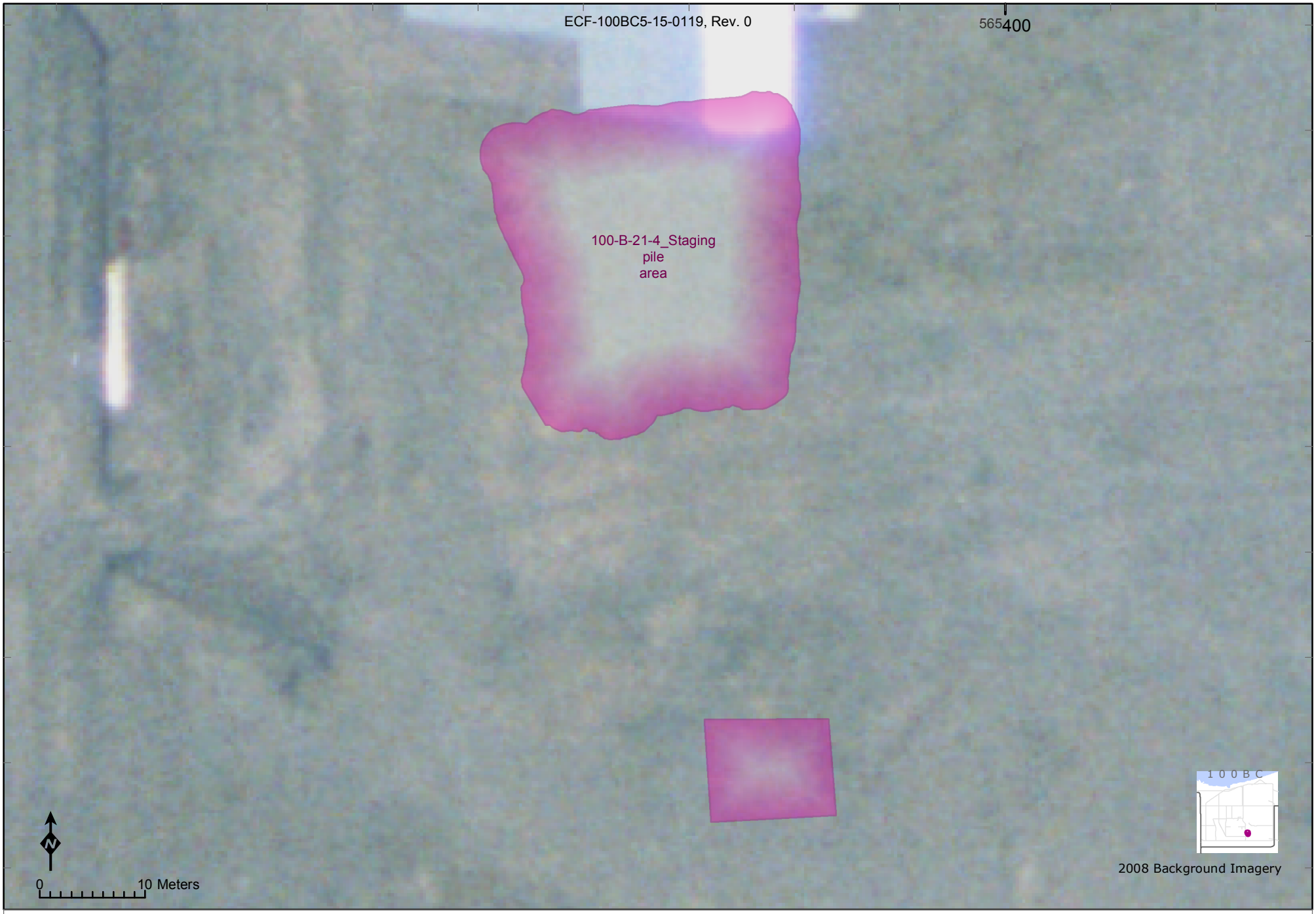
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-21-3_Shallow	**14.3**	**9.2**	9	70	1.1	39

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-21-3_Staging pile area_Focused	**6.2**	49	**9.4**	6	13	1.5	17

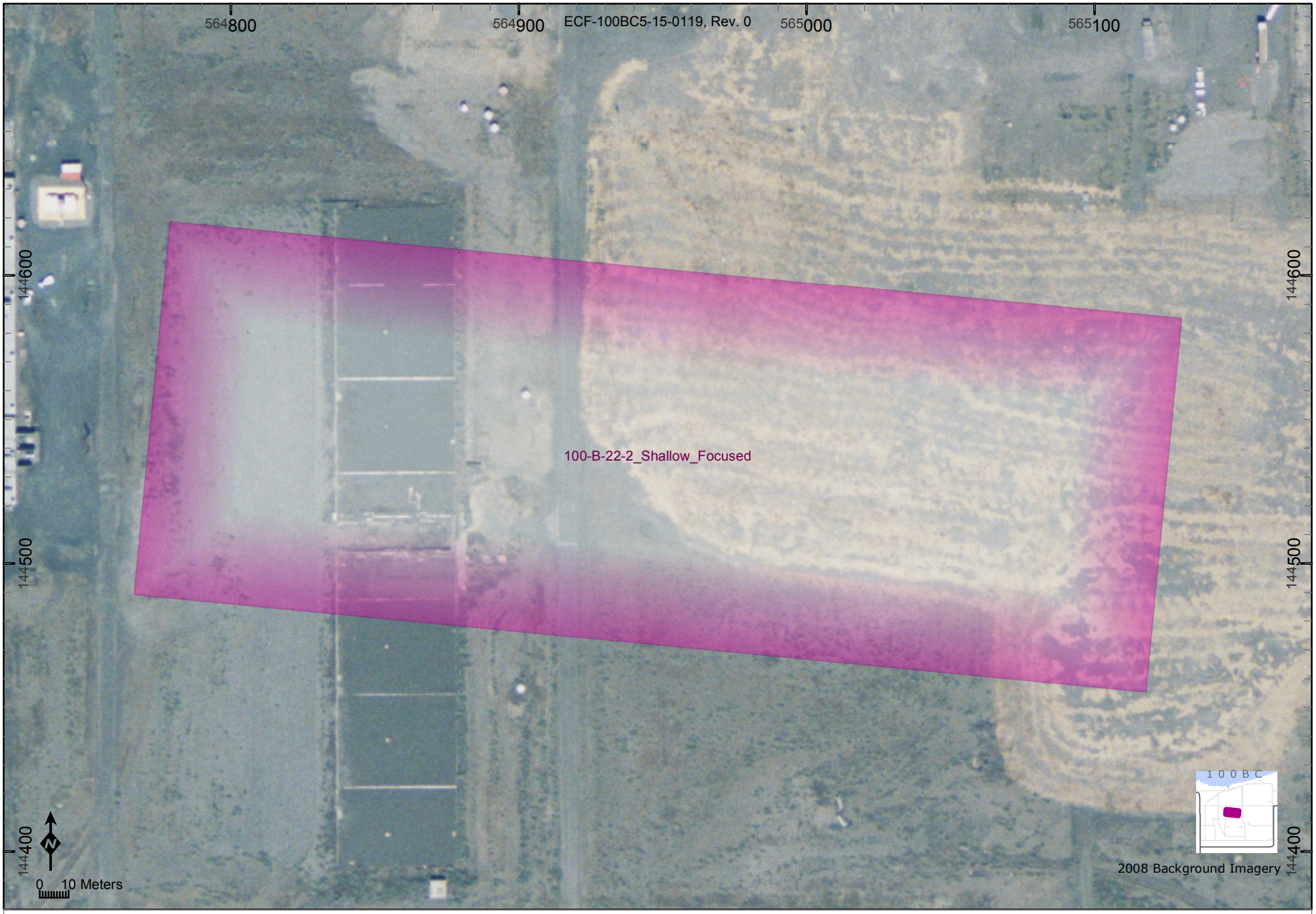


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-21-4_Overburden_Focused	**48.1**	50	**48.4**	25	150	0.1	76

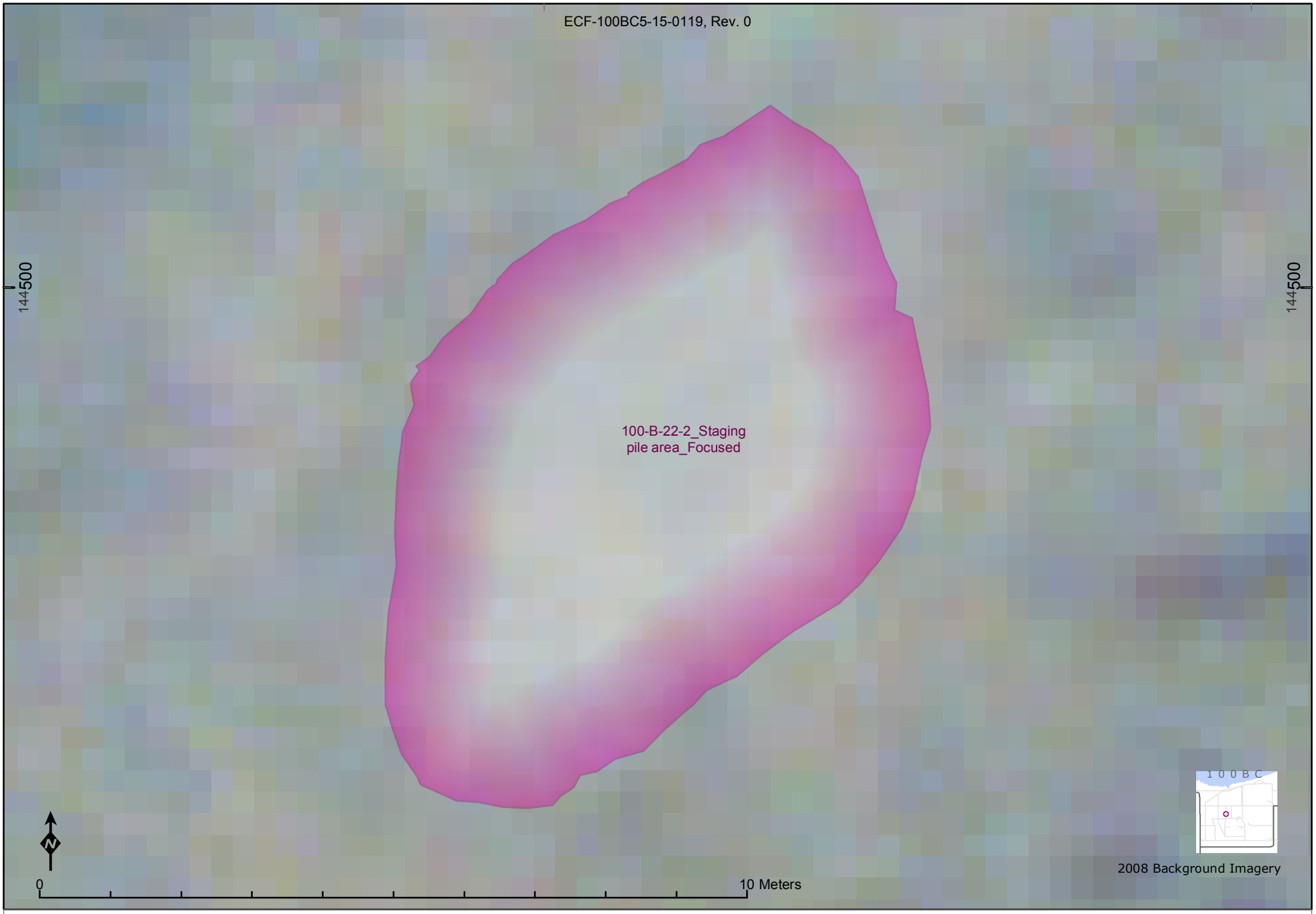
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-21-4_Shallow	**31**	51	**29.5**	8	102	0.5	35



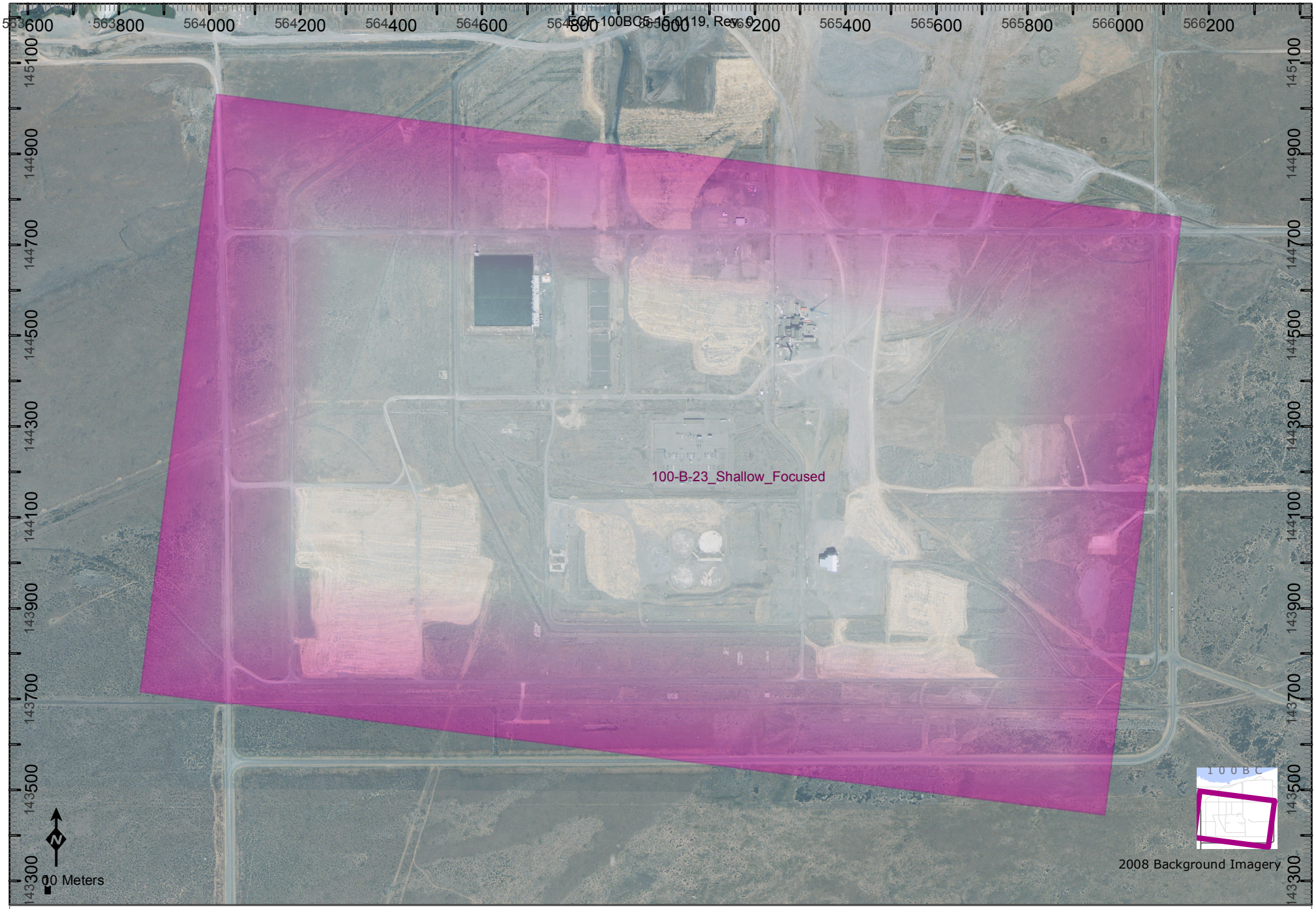
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-21-4_Staging pile area	**17.1**	52	**21.8**	10	42	4.1	32



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics				
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-22-2_Shallow_Focused	**120.8**	53	**126.3**	19	363	5.4	131

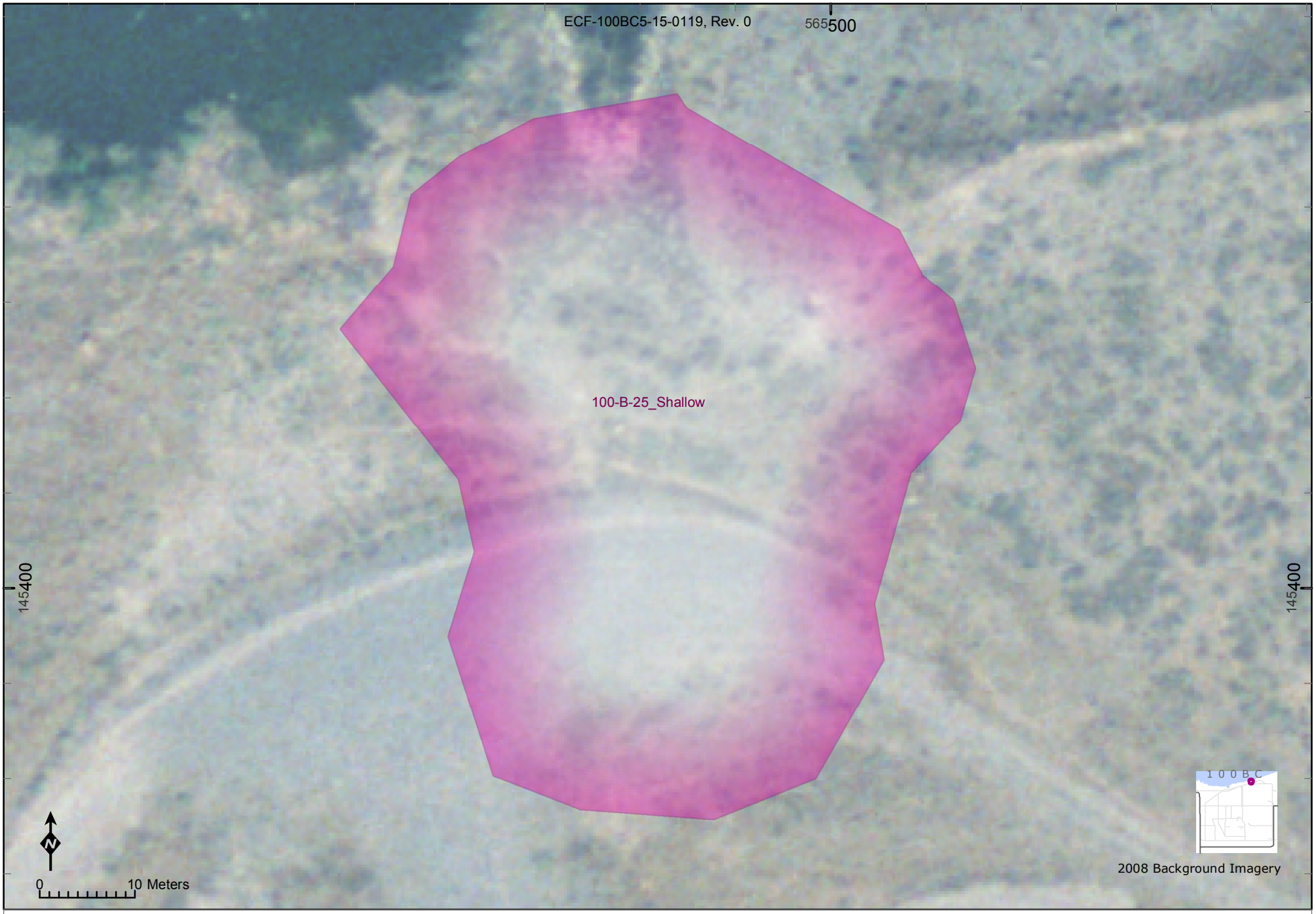


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-22-2_Staging pile area_Focused	**4**	54	**6.6**	2	8	3.1	8

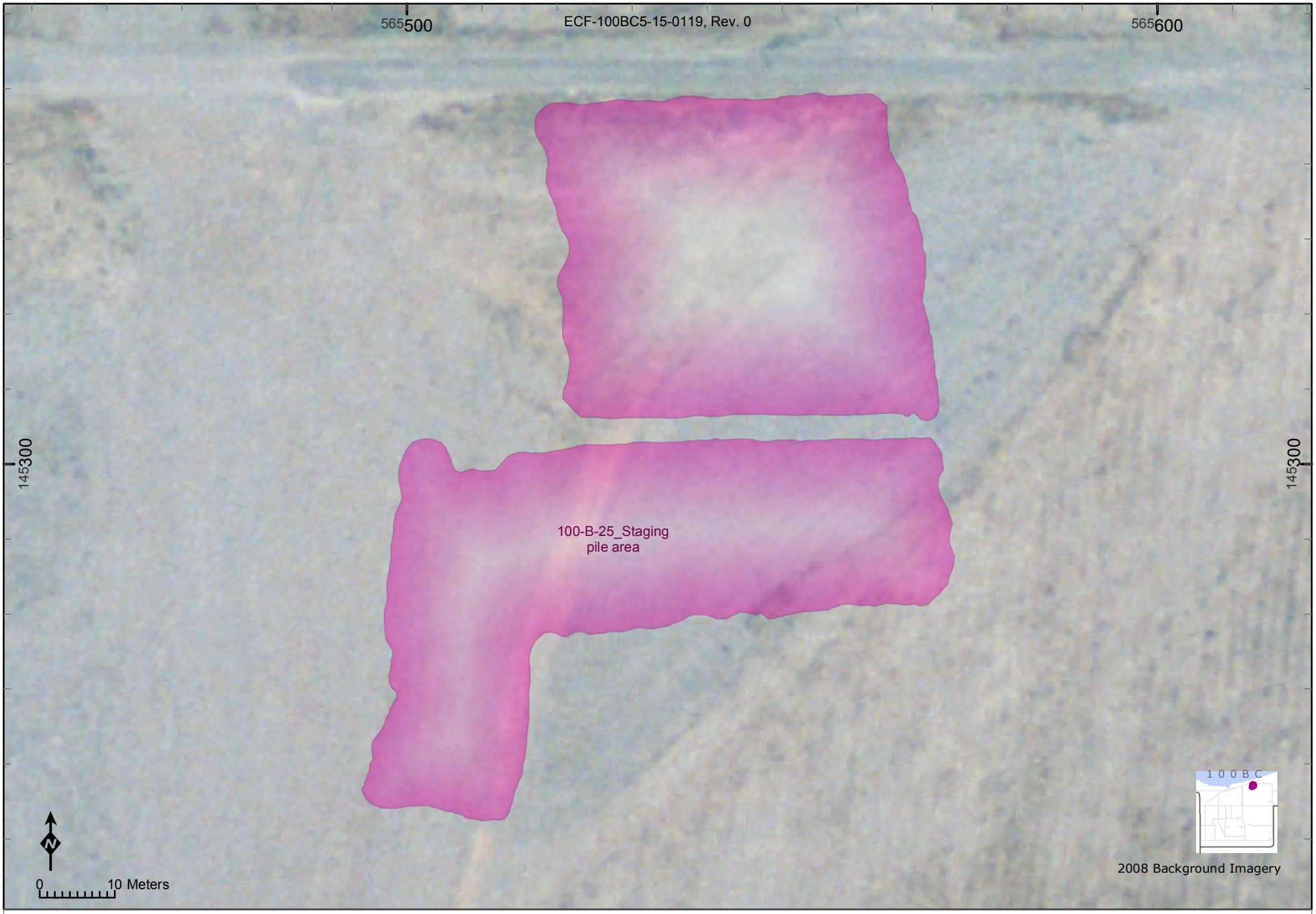


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-23_Shallow_Focused	**949.7**	**1237.8**	279	2289	3.2	1336

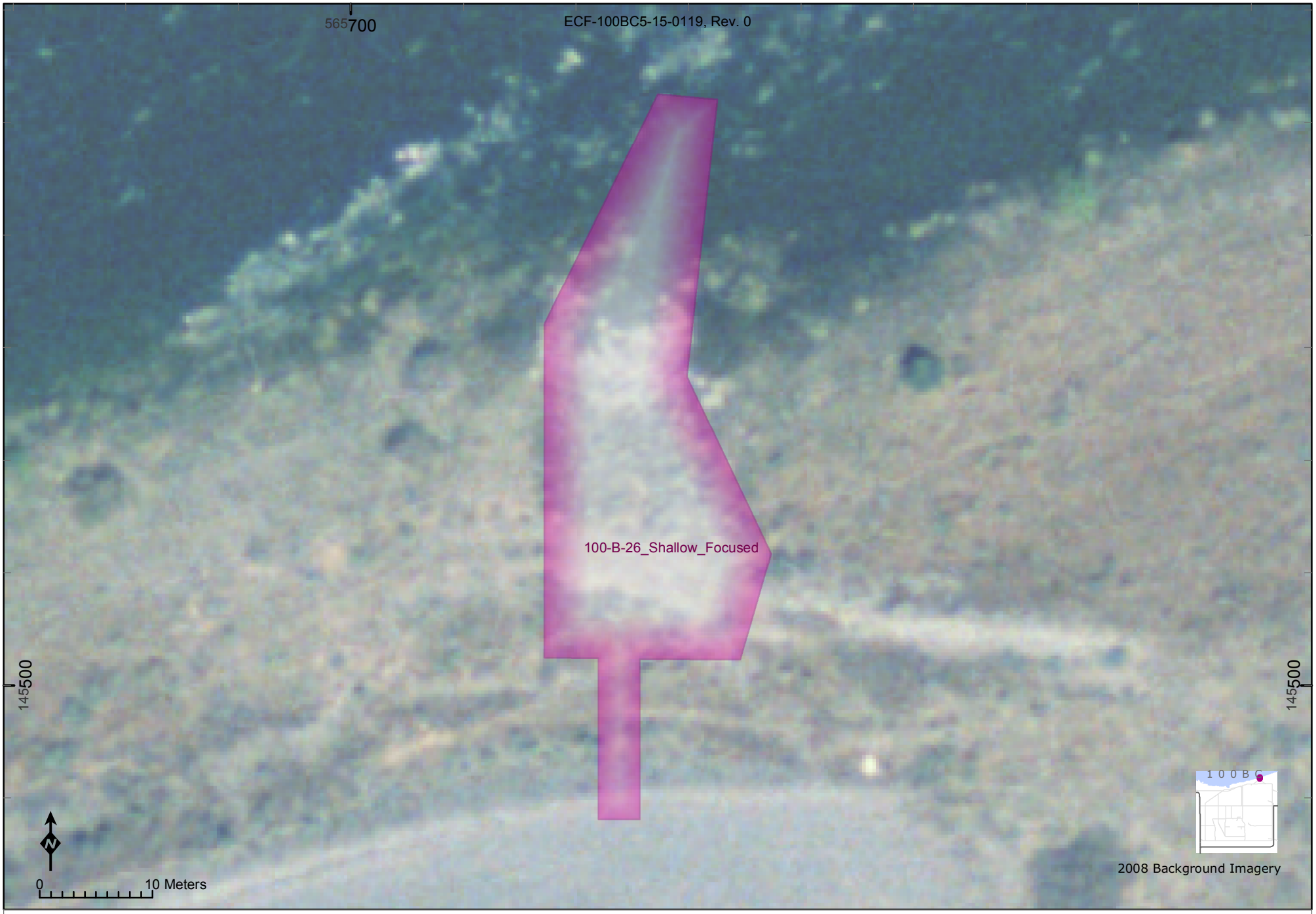
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-25_Overburden_Focused	**37.6**	56	**58.6**	23	76	1	80



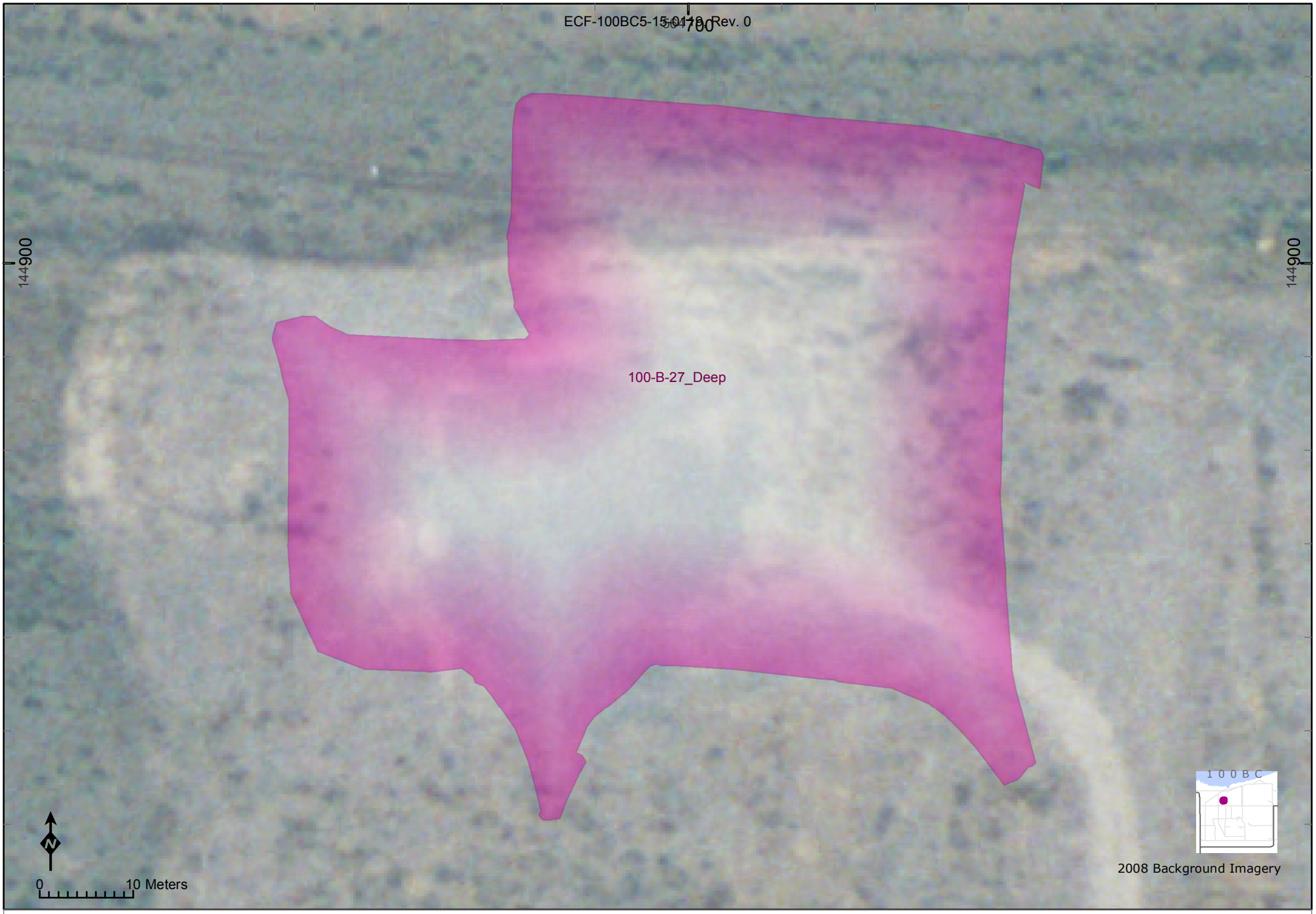
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-25_Shallow	**32.9**	57	**48**	27	71	1	76



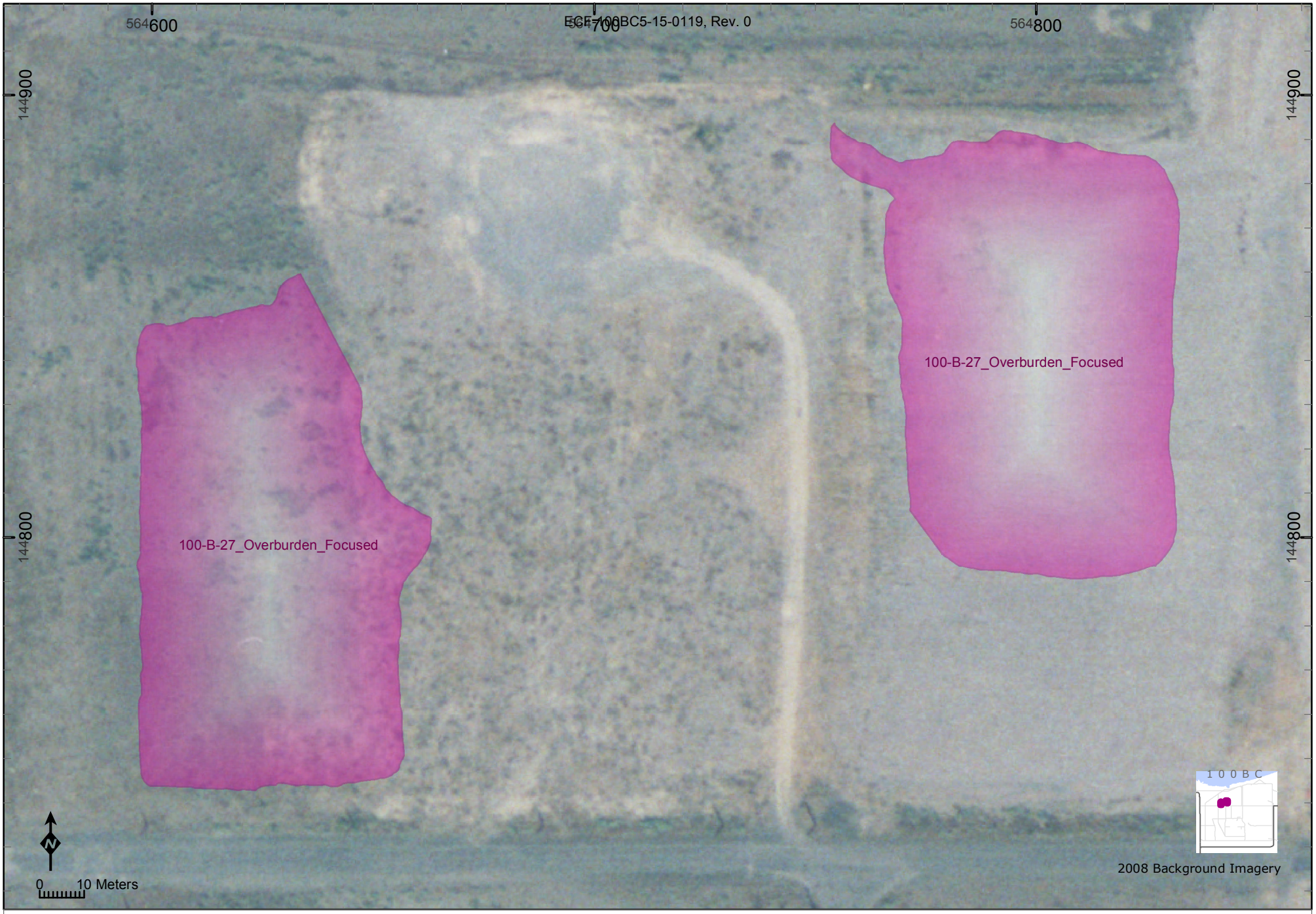
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-25_Staging pile area	**36.5**	58 **29.9**	13	140	0.2	49



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-26_Shallow_Focused	**15.3**	59	**31.7**	18	23	1.7	60

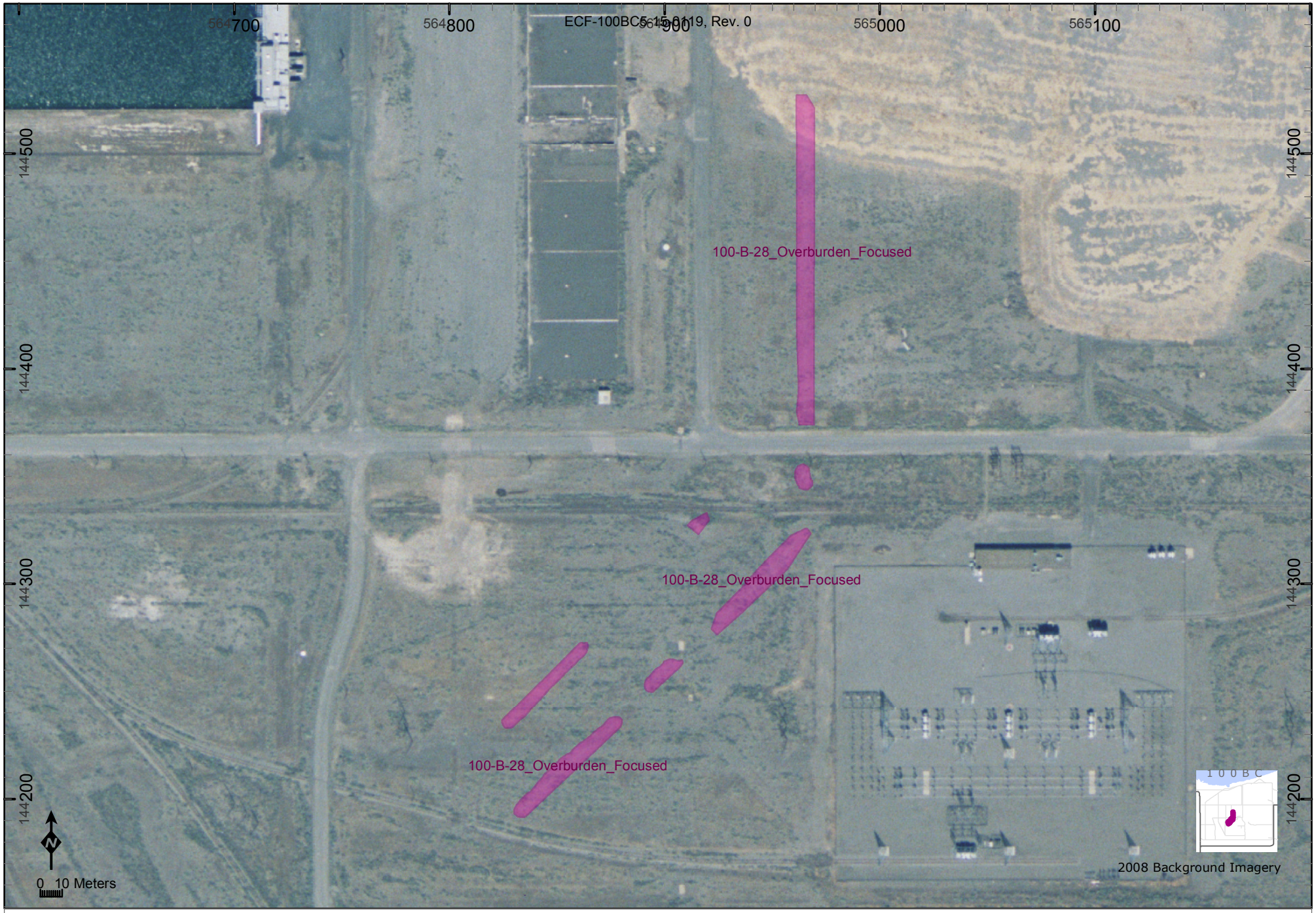


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-27_Deep	**36.8**	**47.1**	20	90	0.5	78



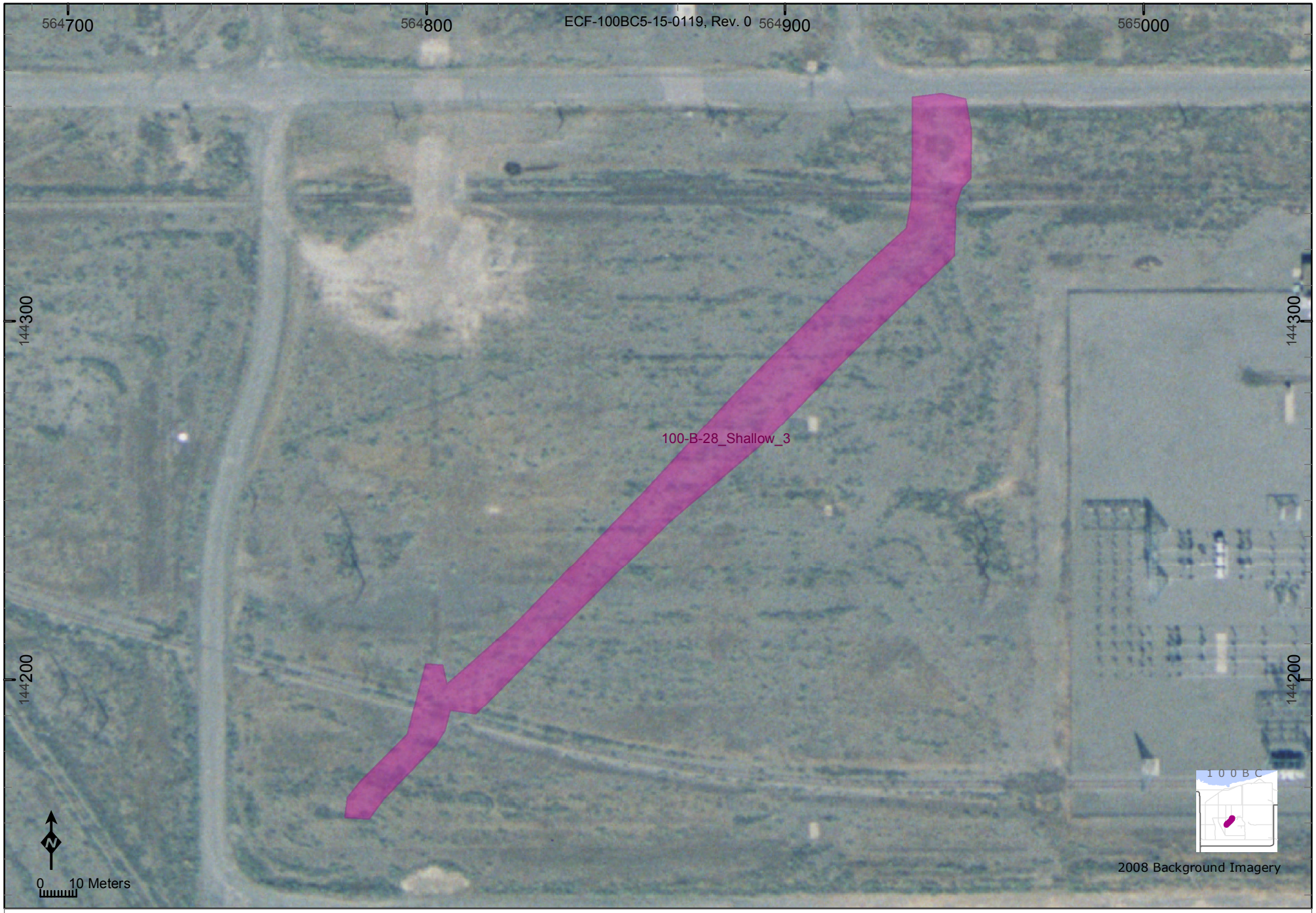
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-27_Overburden_Focused	**61.7**	61	**73.8**	40	162	0	116

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-27_Staging pile area	**51.4**	62	**34.6**	9	240	0.6	47

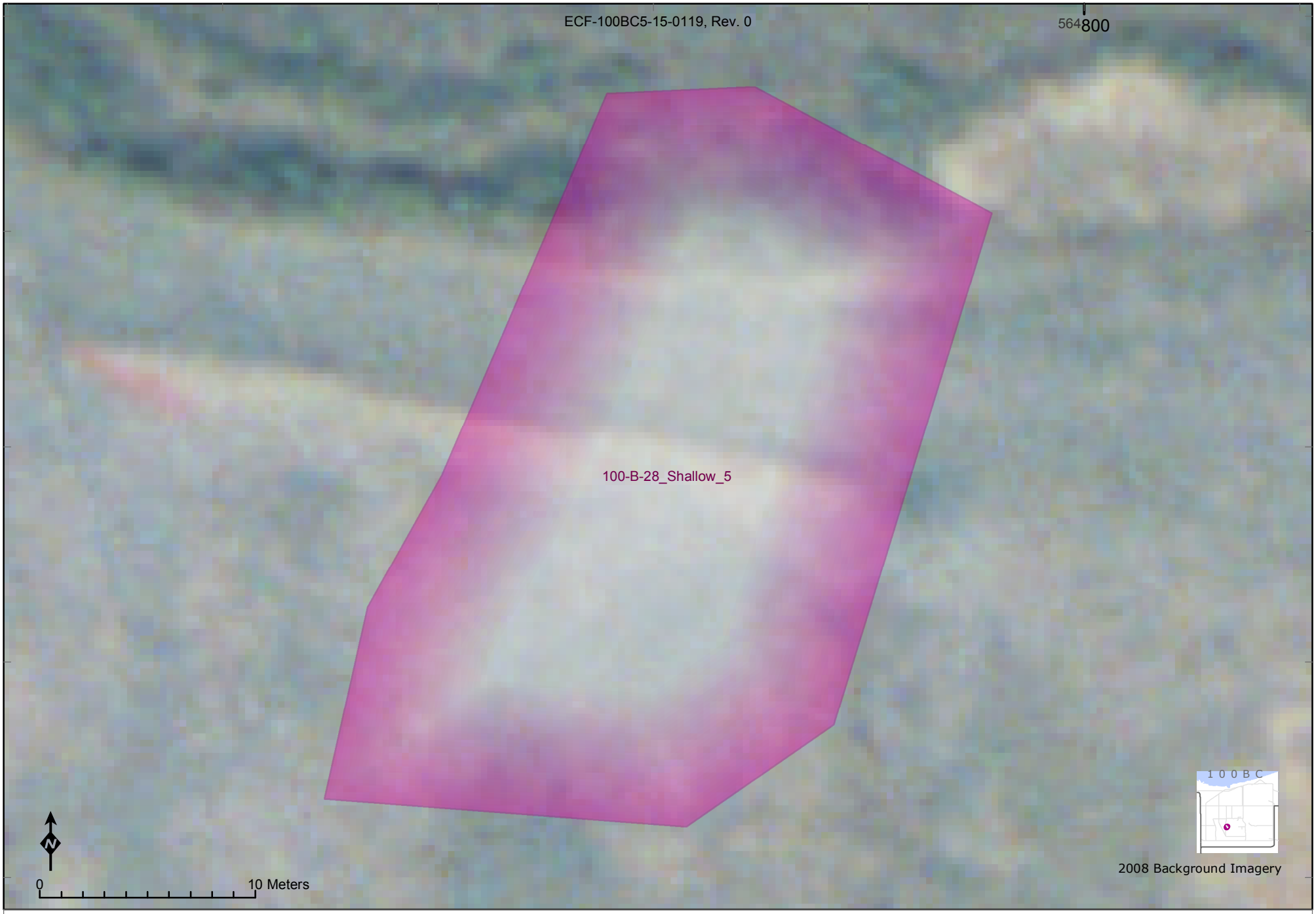


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-28_Overburden_Focused	**29.5**	63	**14.8**	29	184	0.2	153

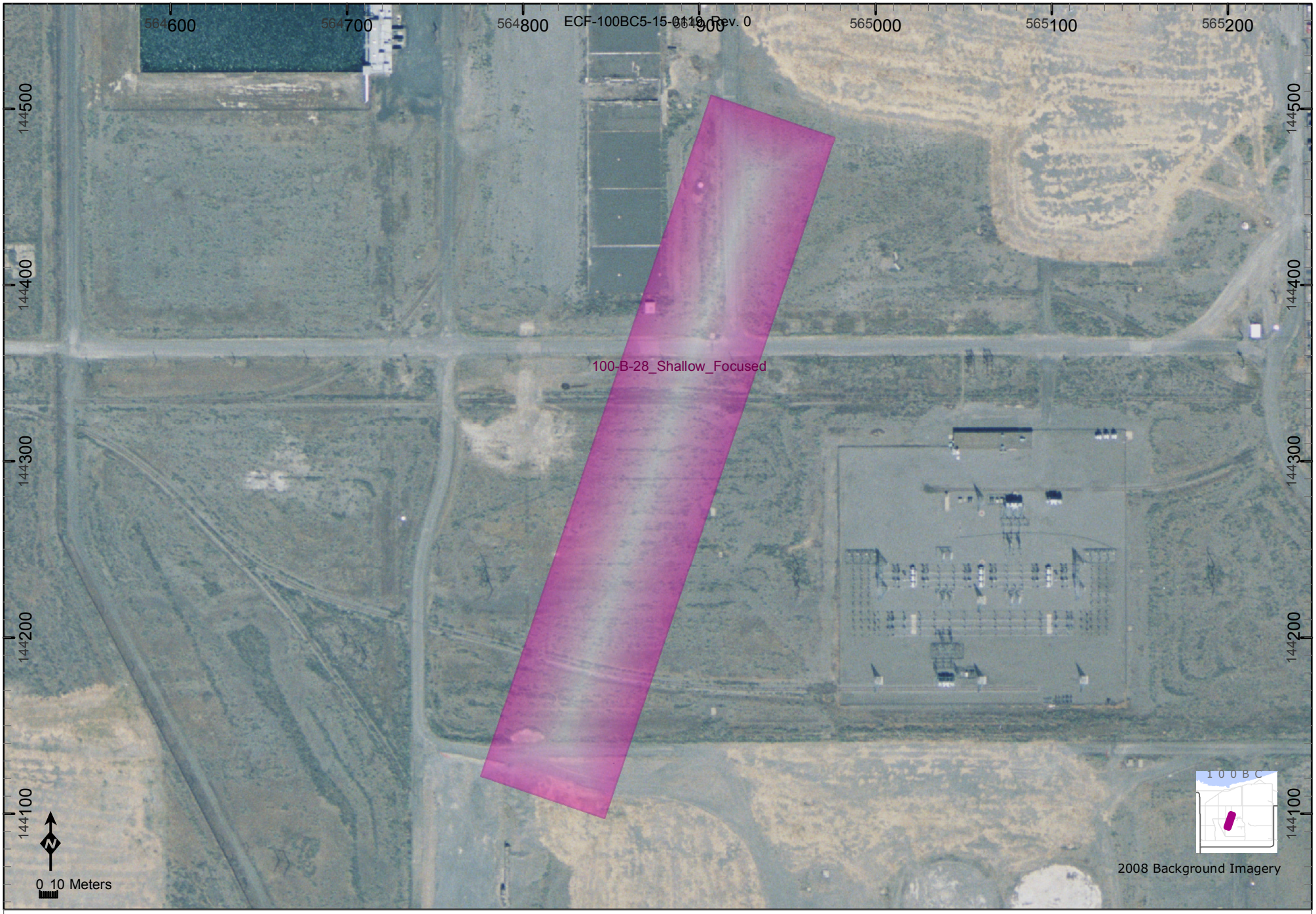
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-28_Shallow_1	**26.1**	**24.9**	36	84	2	145



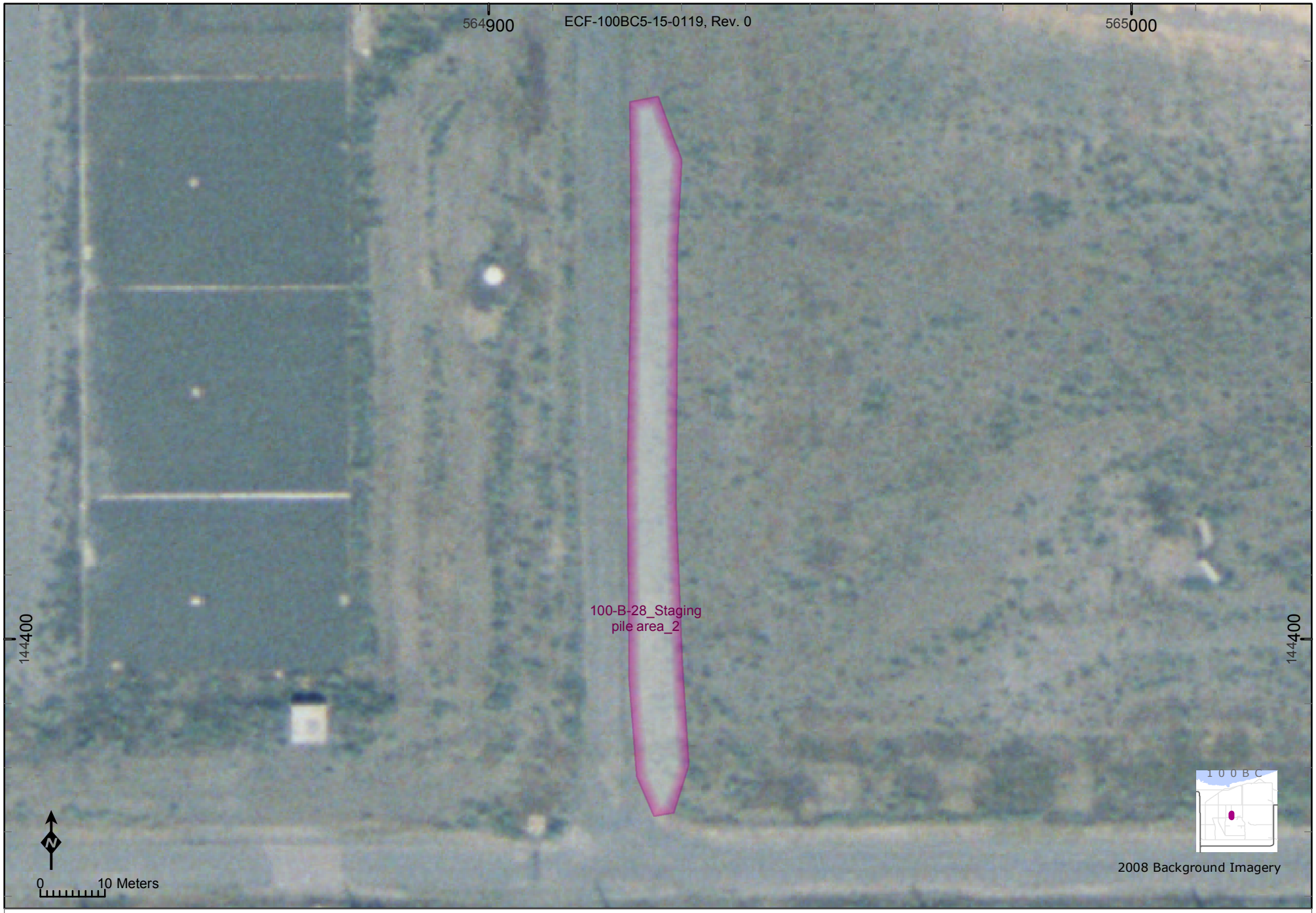
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-28_Shallow_3	**32.7**	**19.3**	9	174	5.6	55



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-28_Shallow_5	**14.7**	66	**22**	11	31	1.3	34

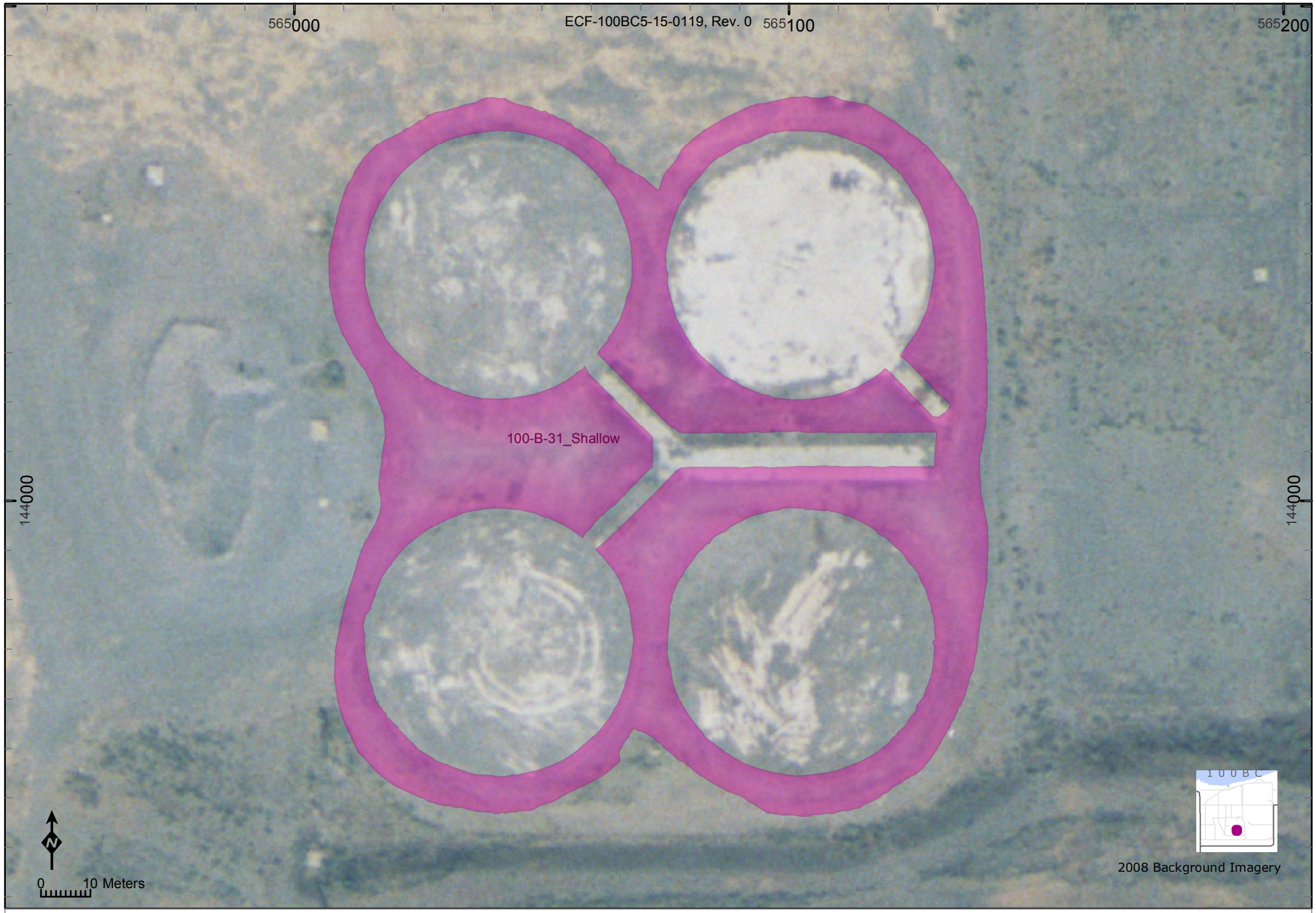


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-28_Shallow_Focused	**98.2**	67 **150.6**	77	201	0.3	232



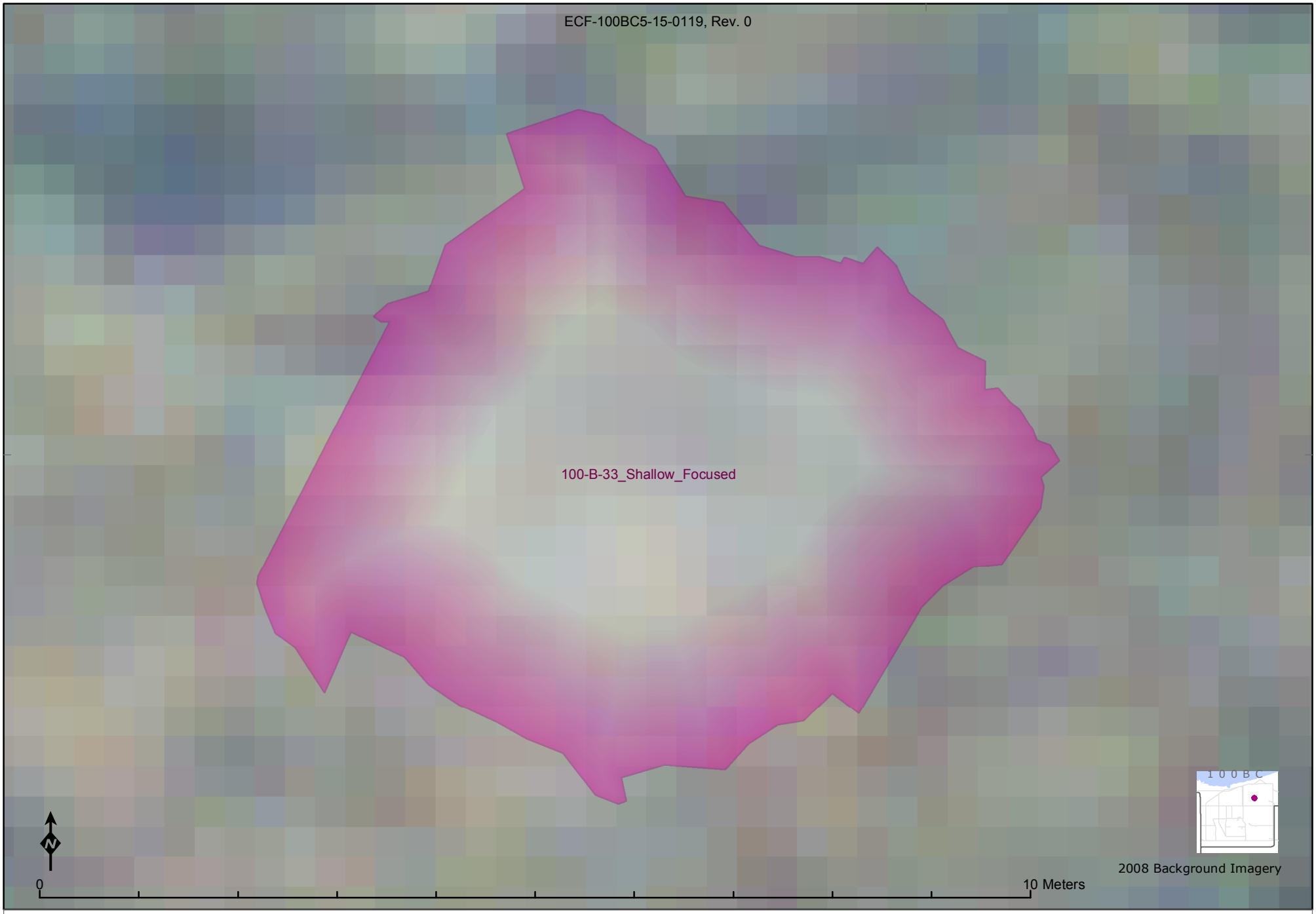
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-28_Staging pile area_2	**16.2**	68	**70.2**	49	12	0.1	112

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-28_Staging pile area_4	**7.9**	69	**4.3**	2	45	0.7	8

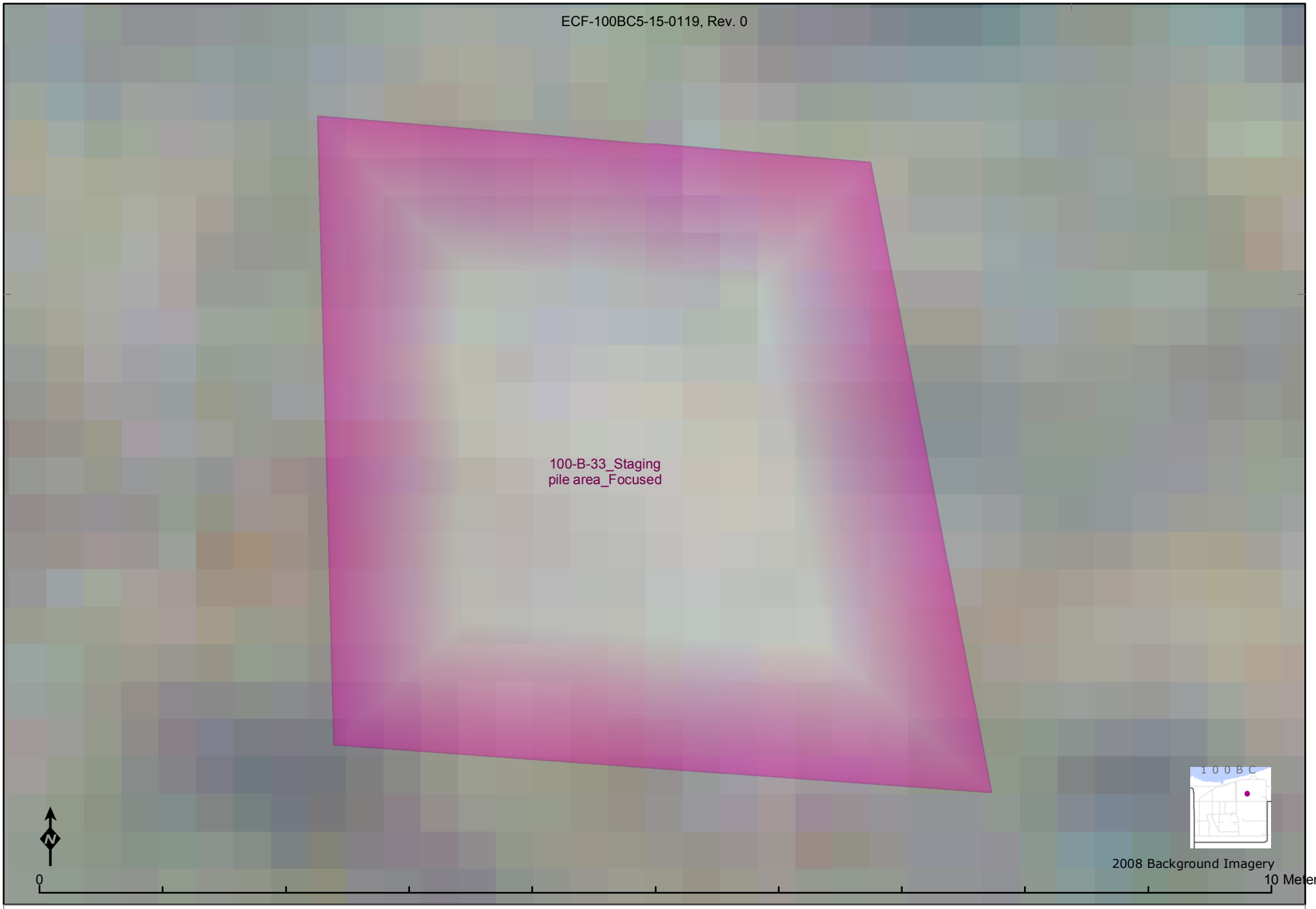


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-31_Shallow	**46.8**	70	**15.1**	15	454	0.1	109

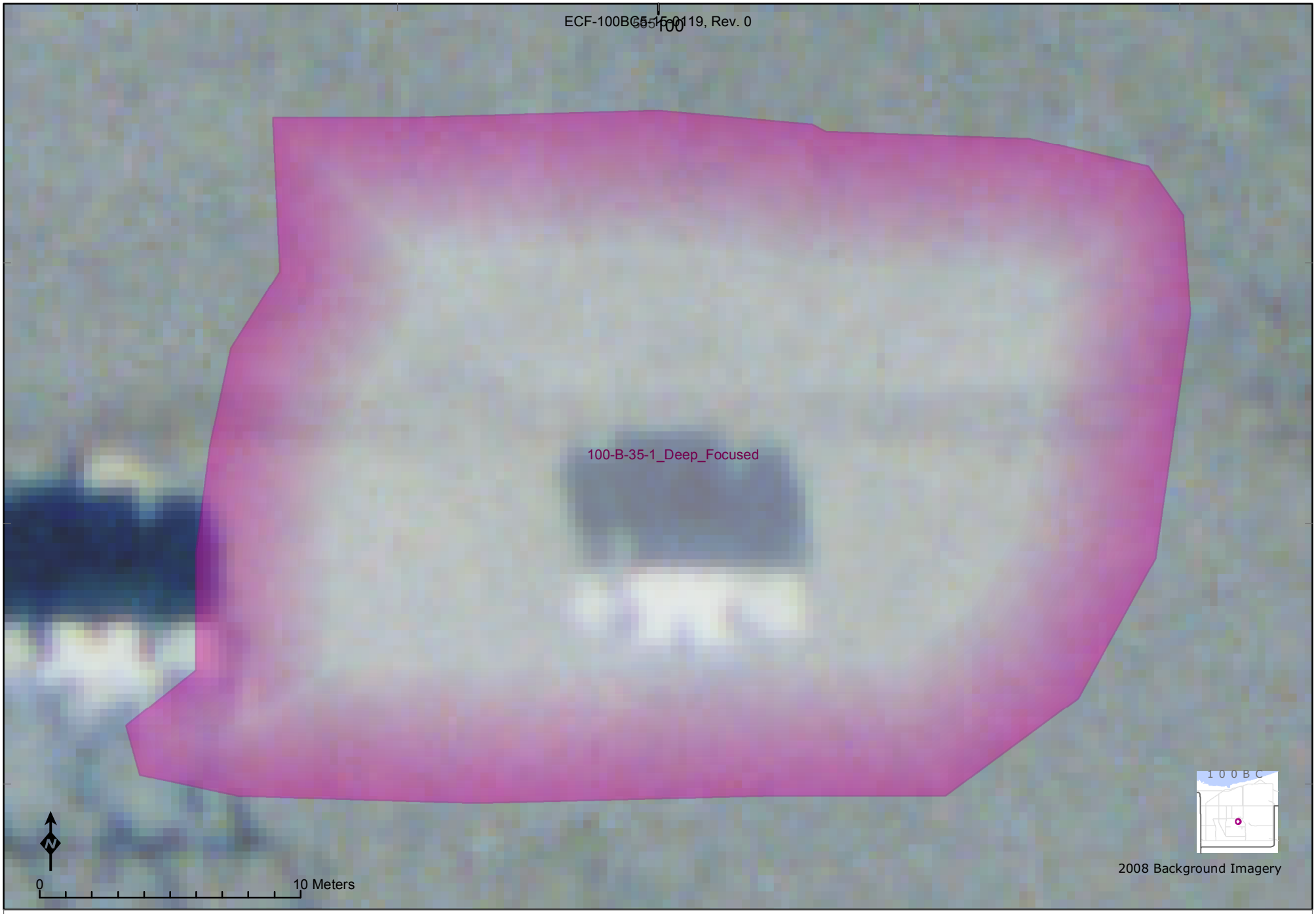
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-32_Shallow_Focused	**1.1**	71 **2**	0	3	2	2



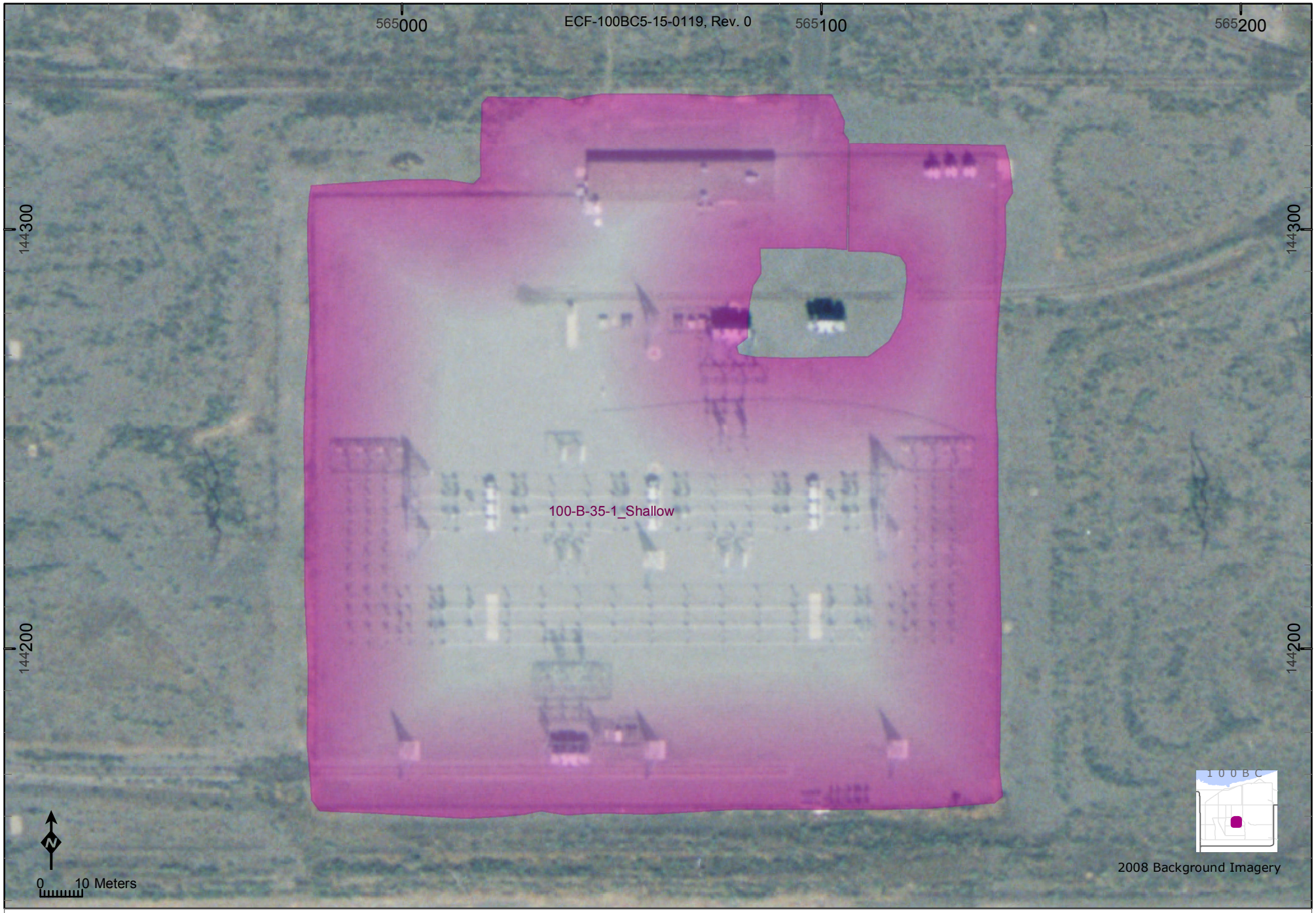
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-33_Shallow_Focused	**3.2**	**4.2**	2	8	1.1	6



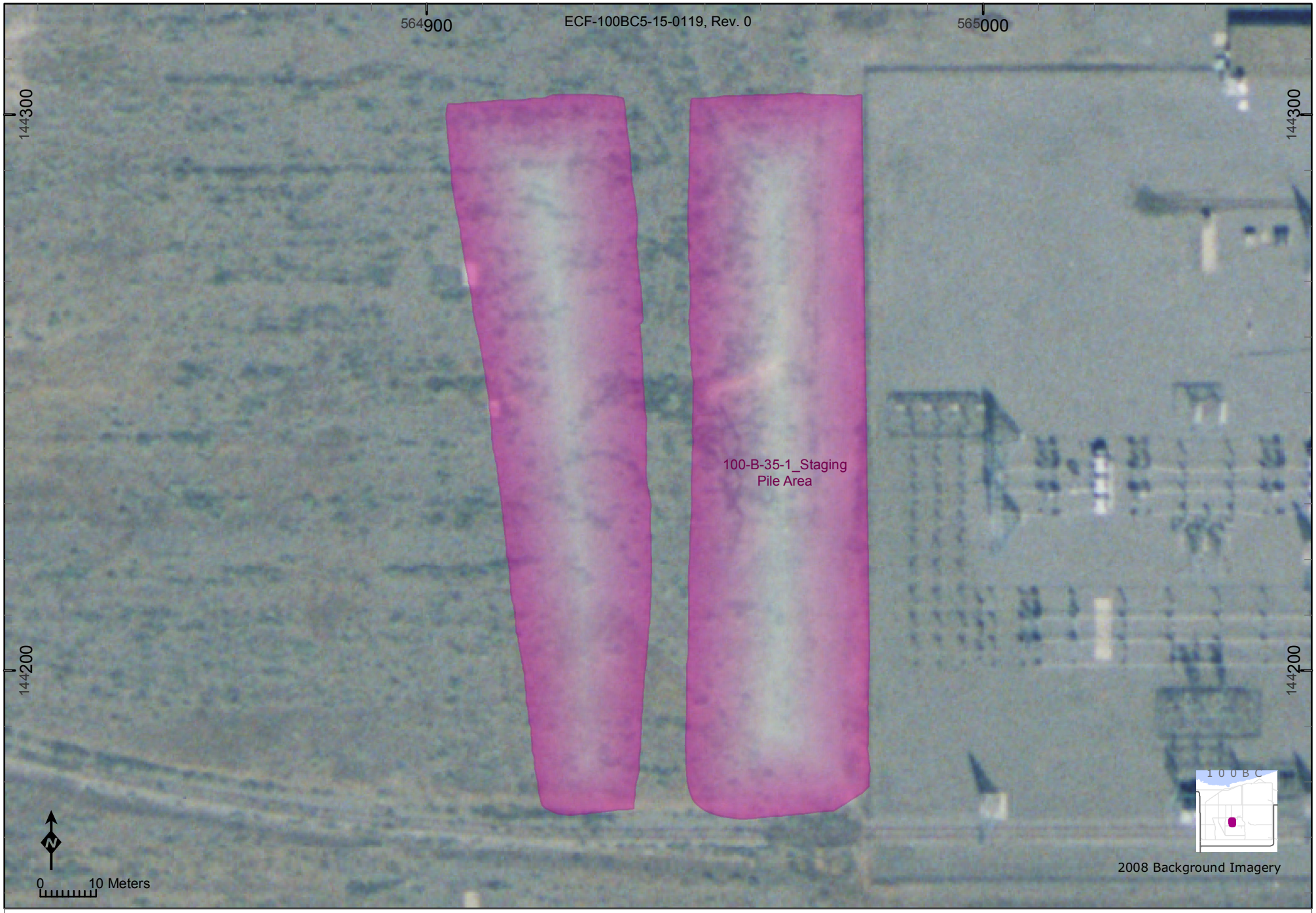
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-33_Staging pile area_Focused	**2.8**	73	**4.4**	1	6	1.8	5



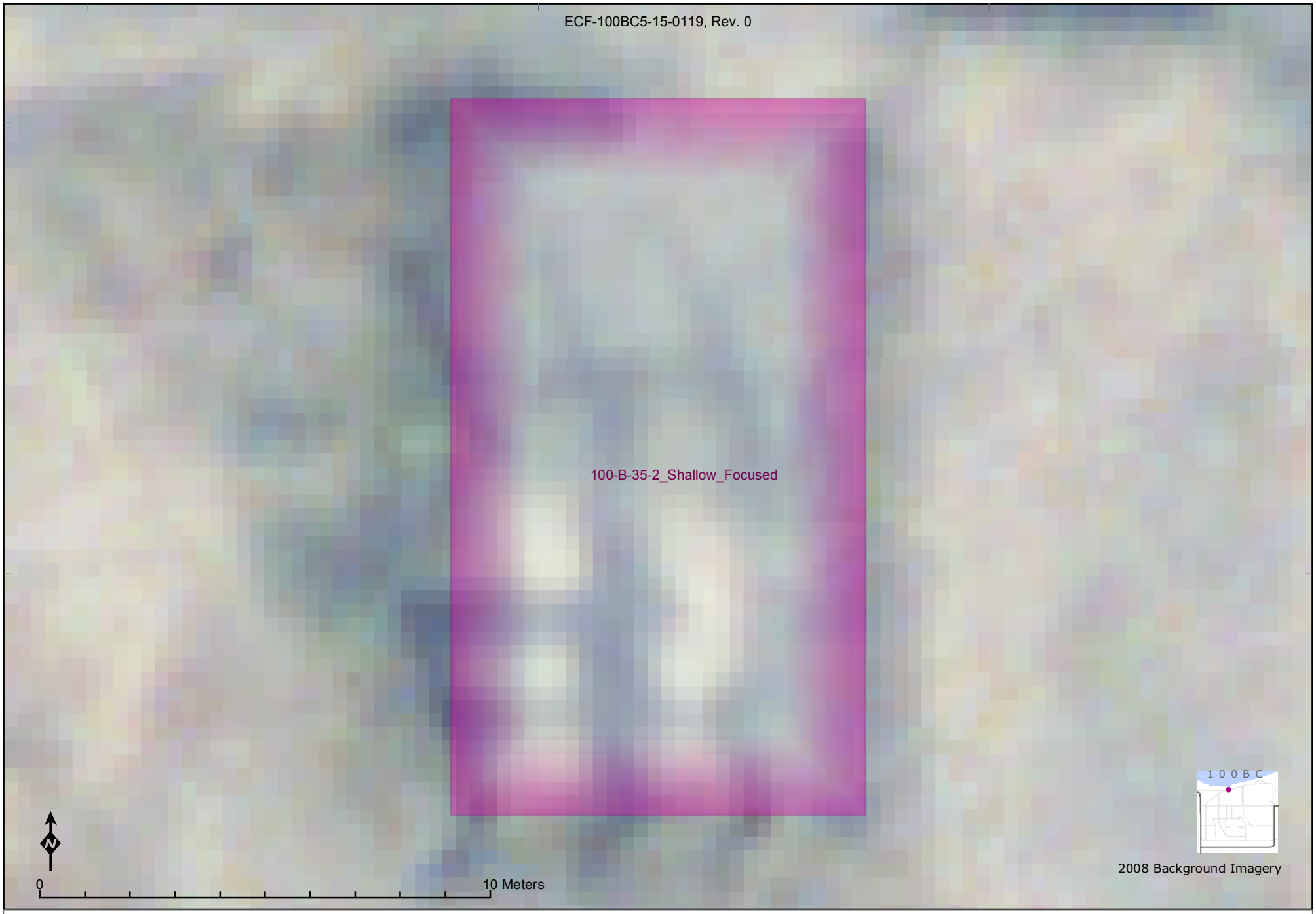
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-35-1_Deep_Focused	**17**	**22.2**	7	41	1.8	26



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-35-1_Shallow	**90.9**	**122**	53	213	0.6	172



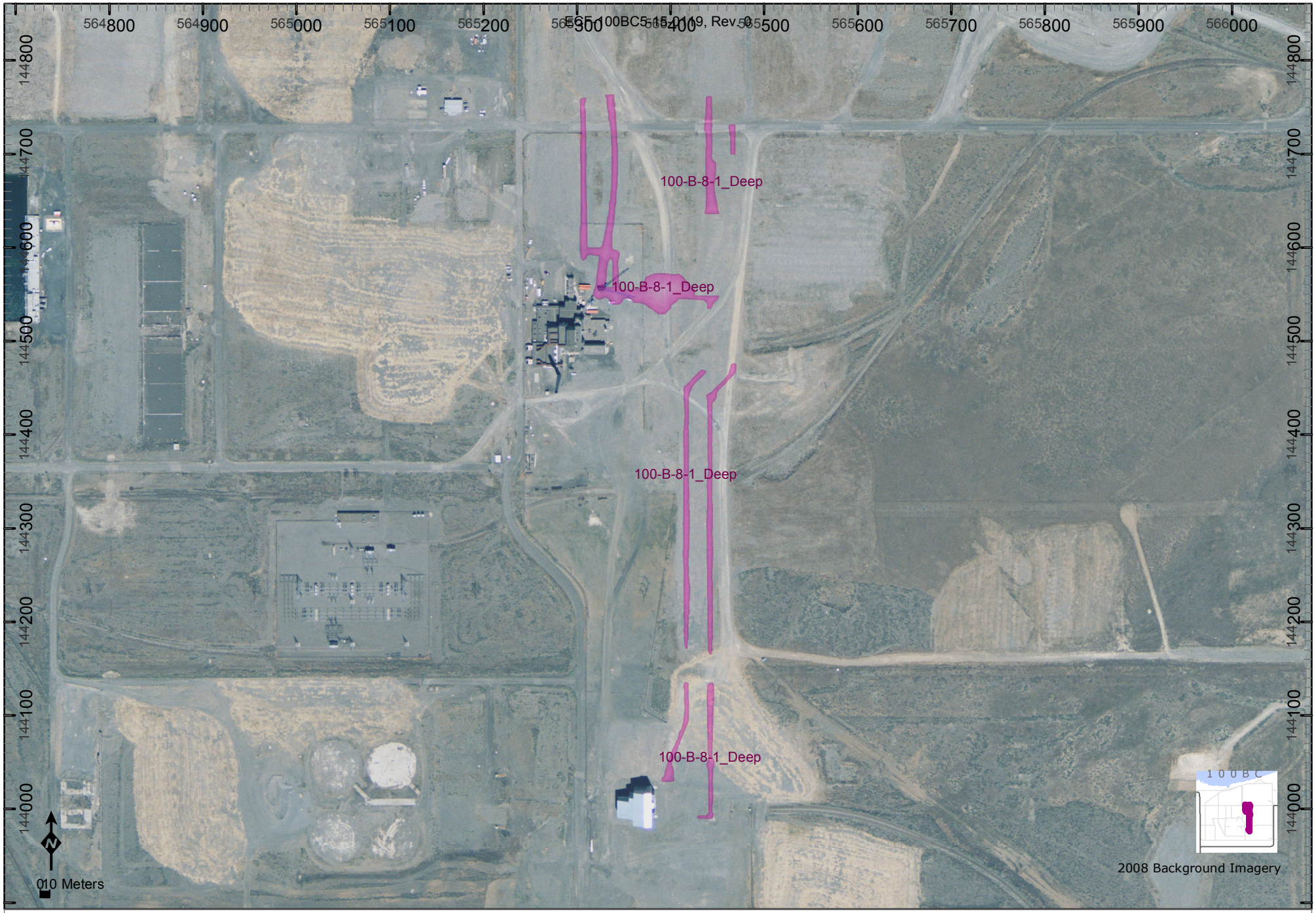
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-35-1_Staging Pile Area	**48.9**	76 **101.5**	43	74	0.2	130



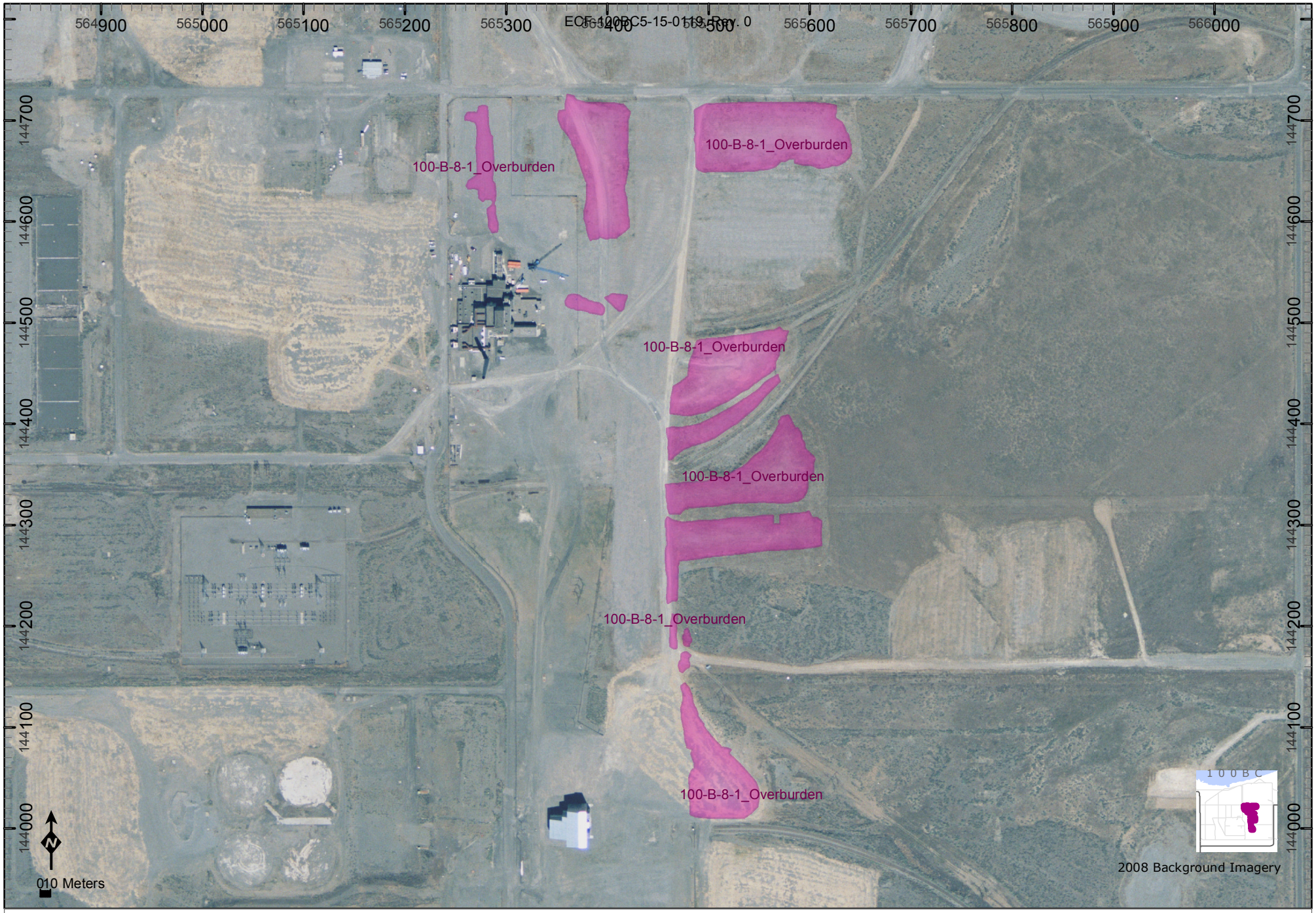
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-35-2_Shallow_Focused	**6.8**	77	**15.9**	0	9	15.9	16

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-5_Deep	**20.2**	78 **27.6**	33	46	0.1	89

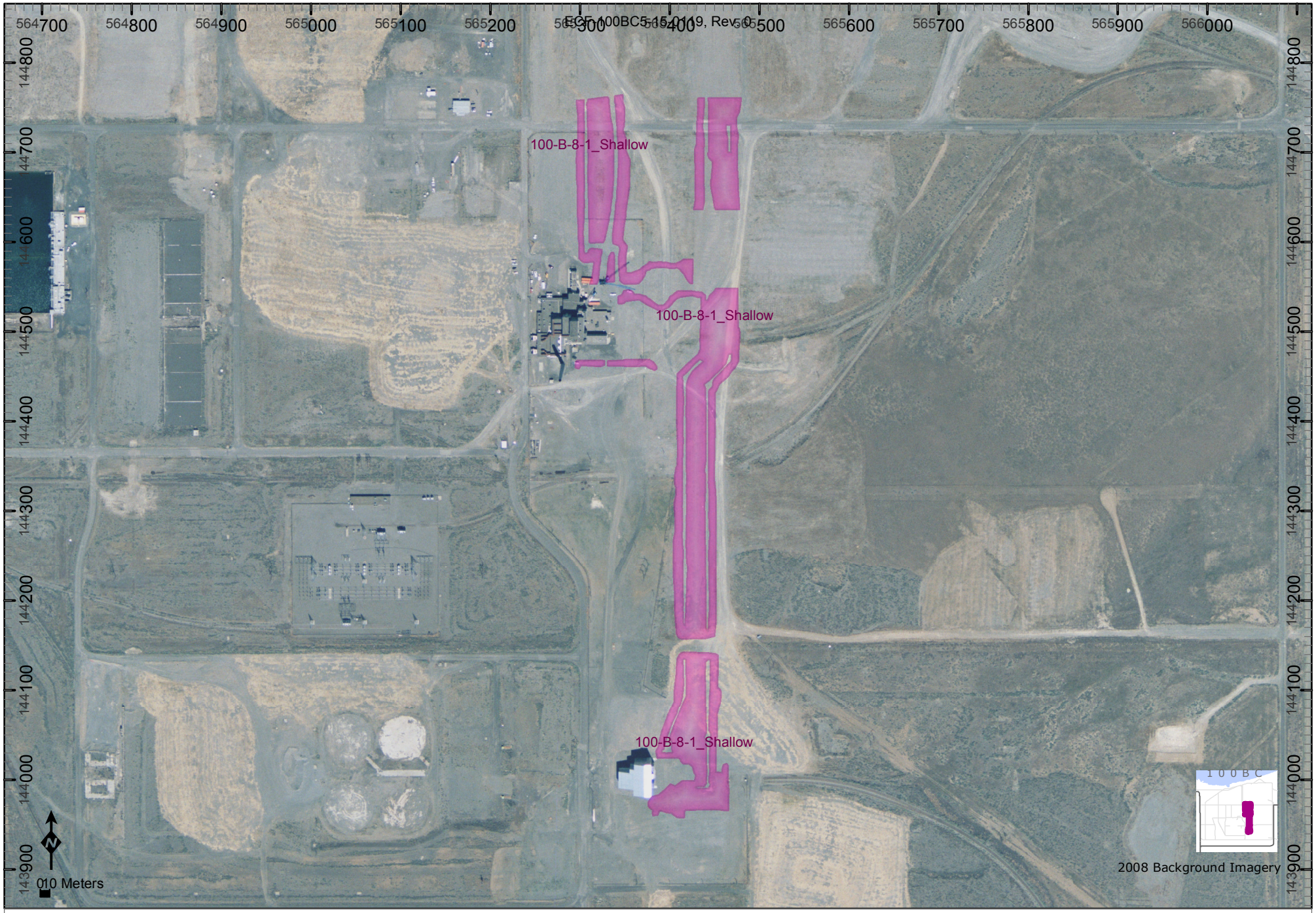
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-5_Shallow	**31.8**	79	**52.2**	39	61	0.4	89



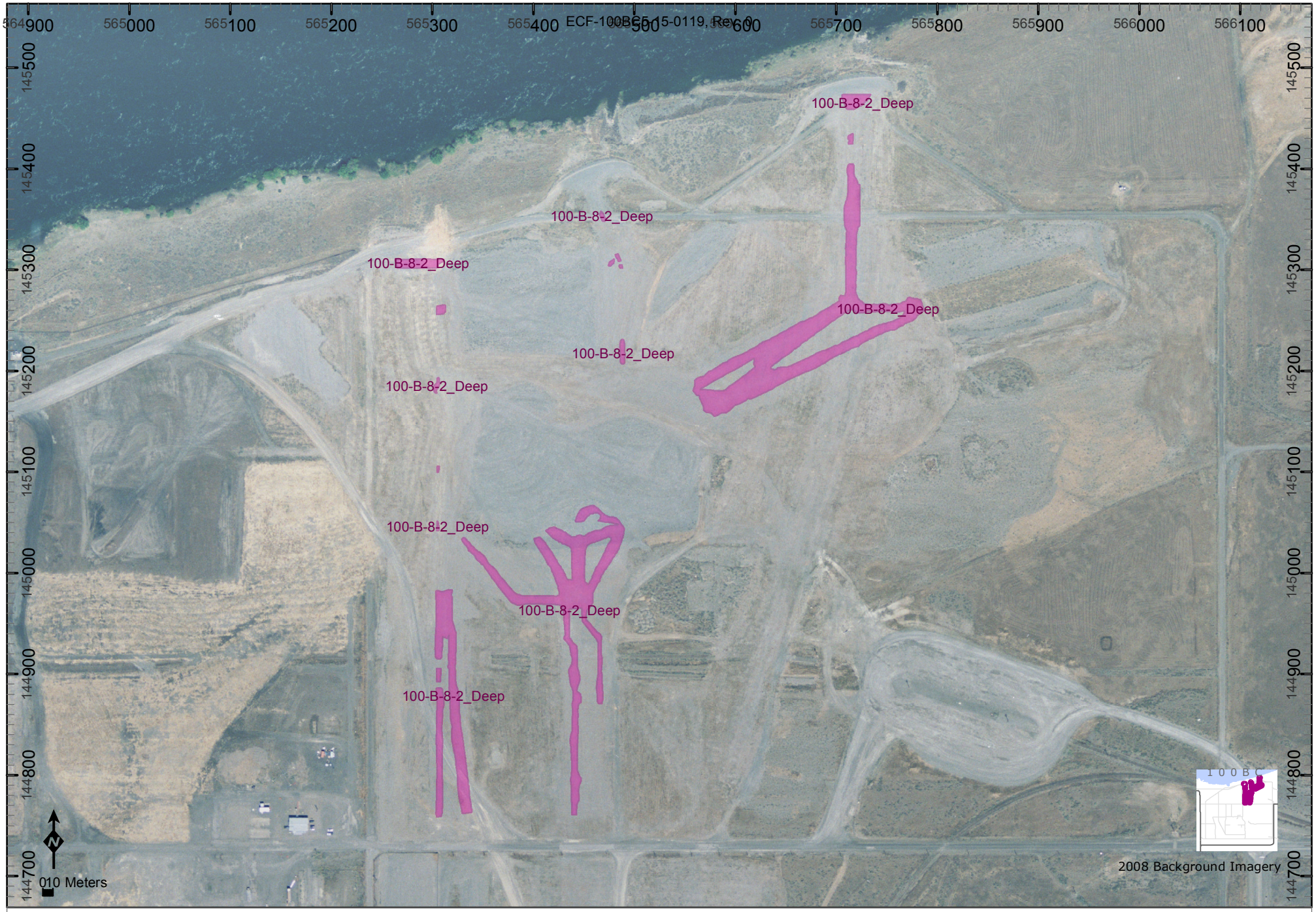
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-8-1_Deep	**55.9**	**28.9**	47	339	0	281



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-8-1_Overburden	**118**	81	**43.2**	29	1012	0.4	136



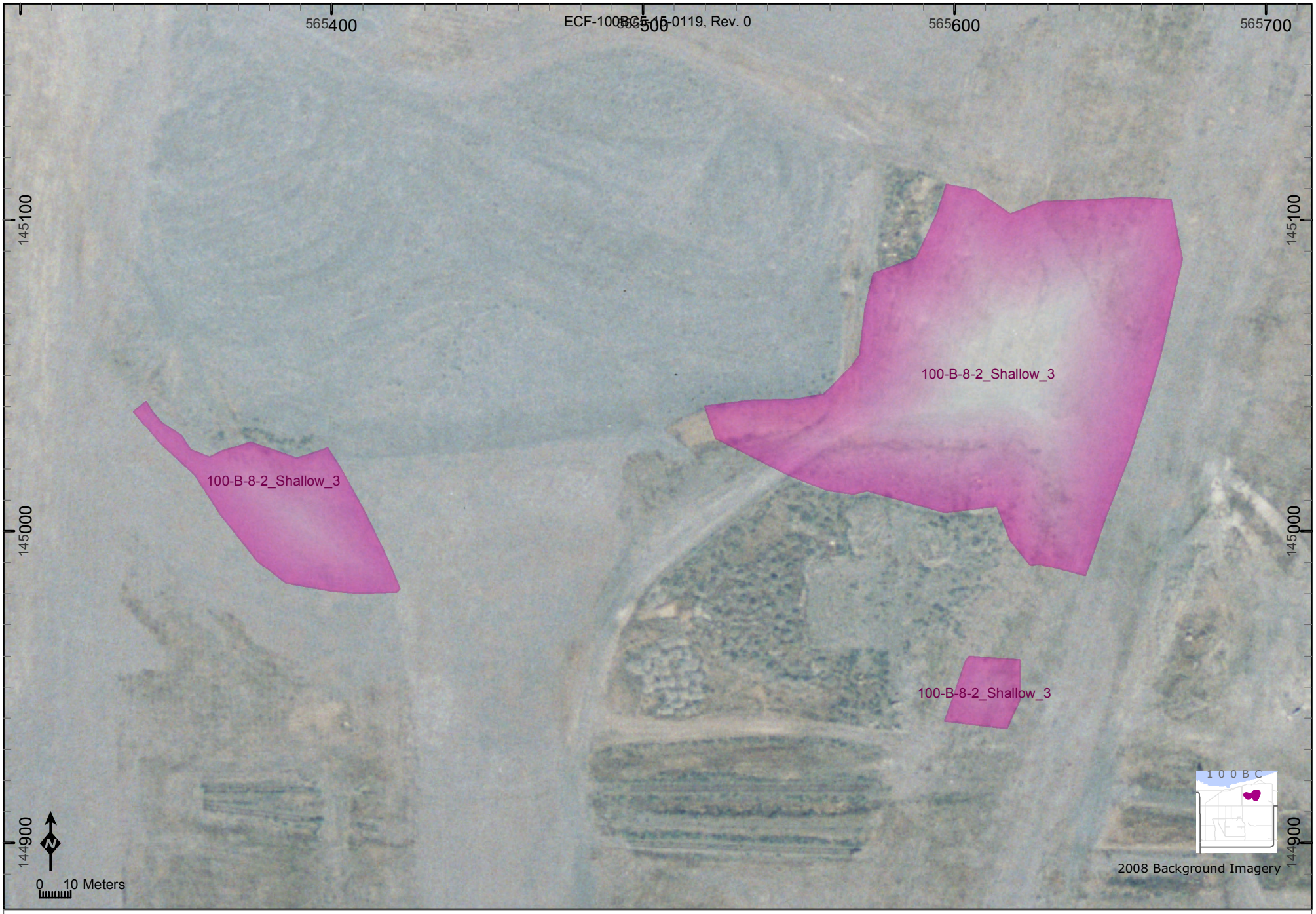
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-8-1_Shallow	**110.6**	**48.6**	67	792	0.4	384



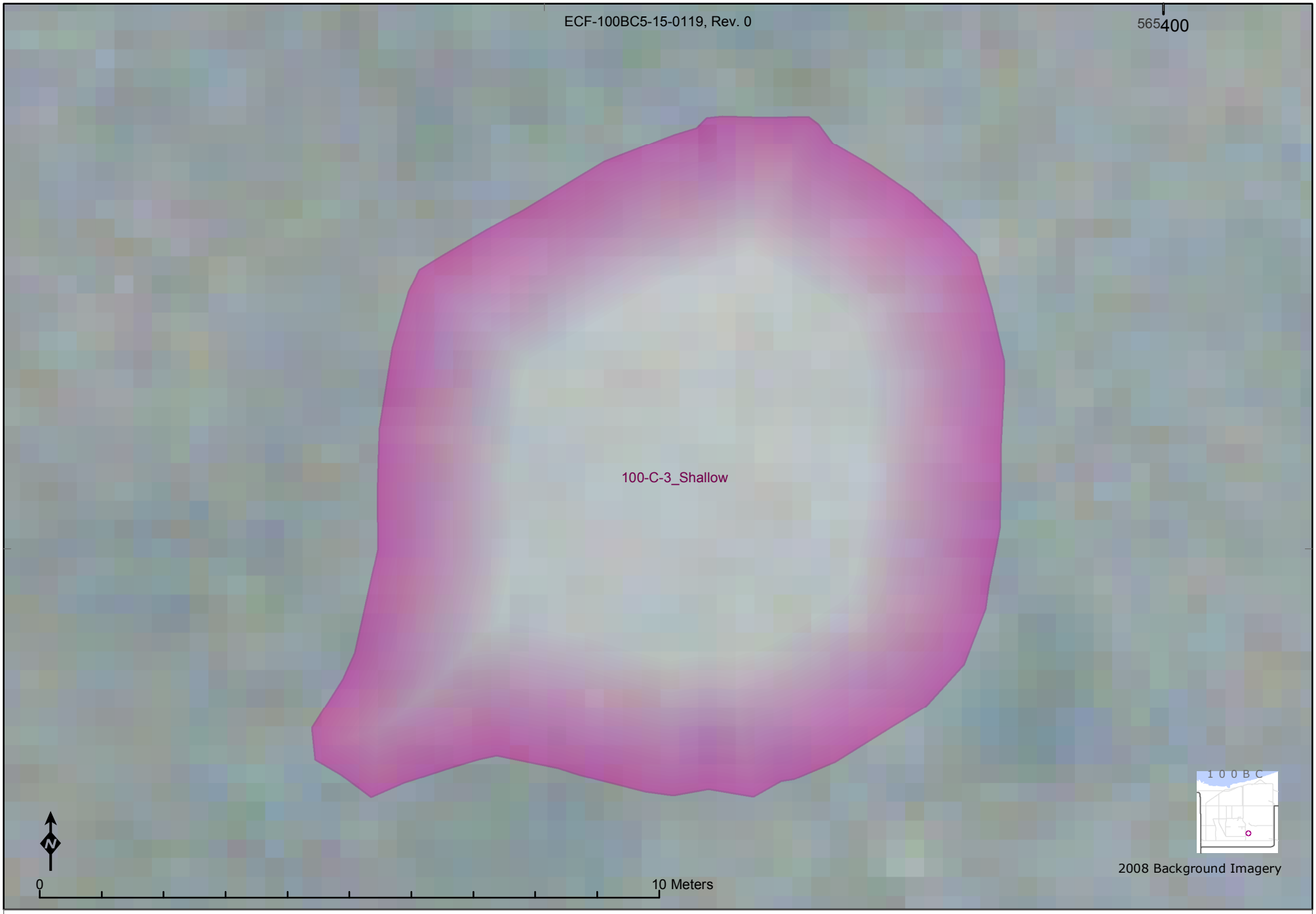
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-8-2_Deep	**76.4**	**19.2**	24	956	0.1	169

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-8-2_Overburden	**150.3**	**65.3**	54	1087	0.1	290

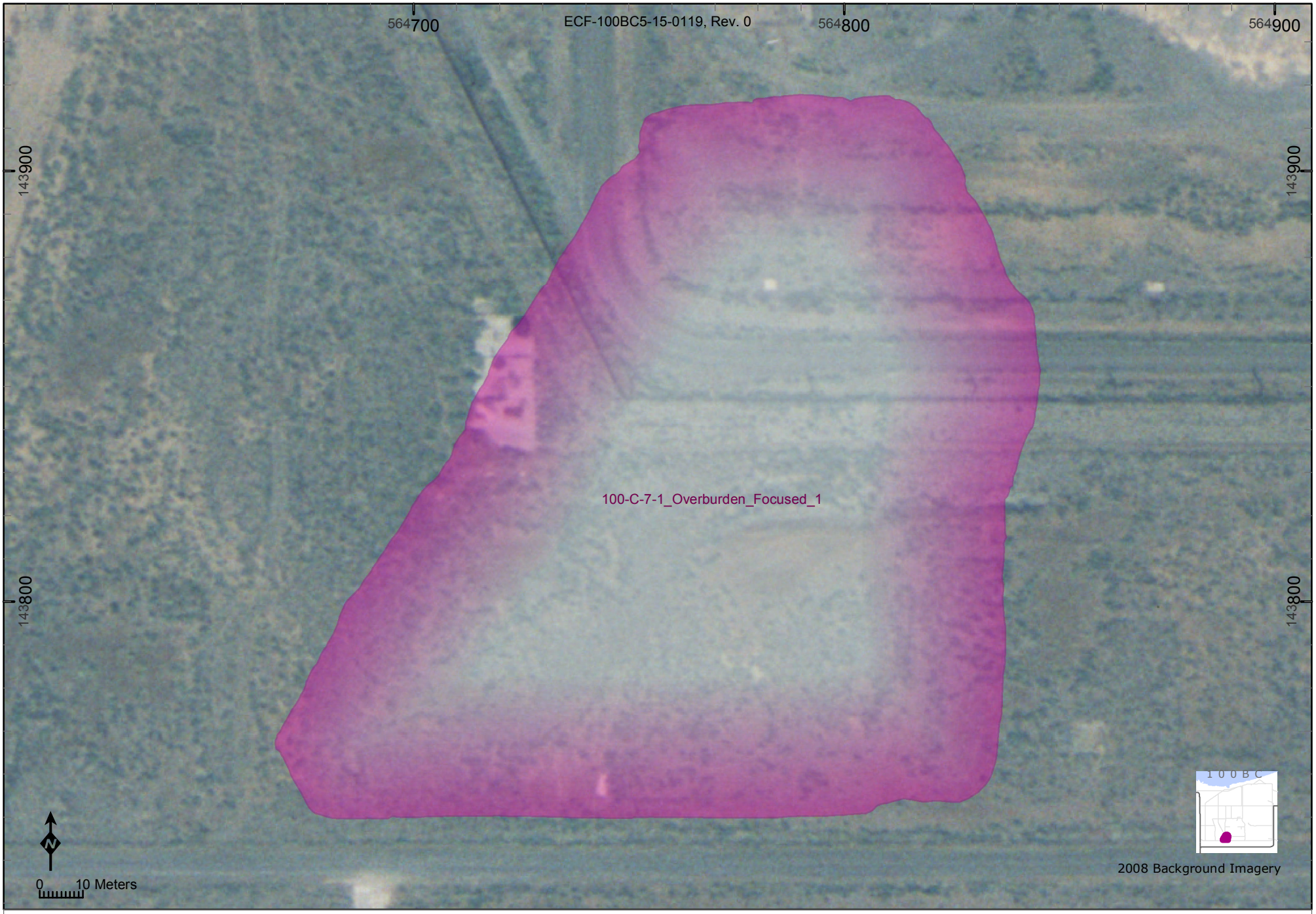
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-8-2_Shallow_1	**126.5**	**30.9**	49	1631	0.1	511



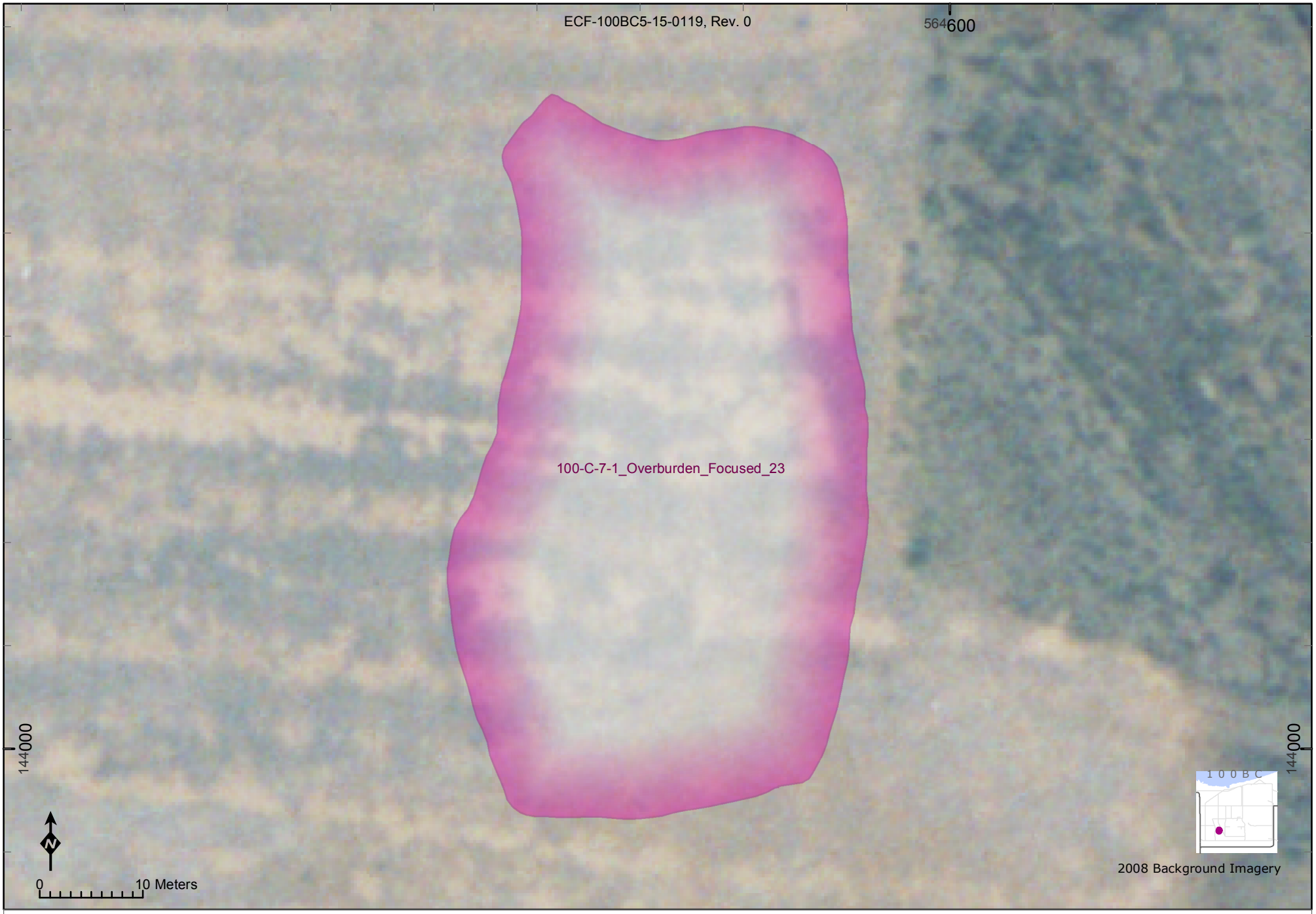
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-B-8-2_Shallow_3	**64.5**	86	**49.7**	38	263	0.5	120



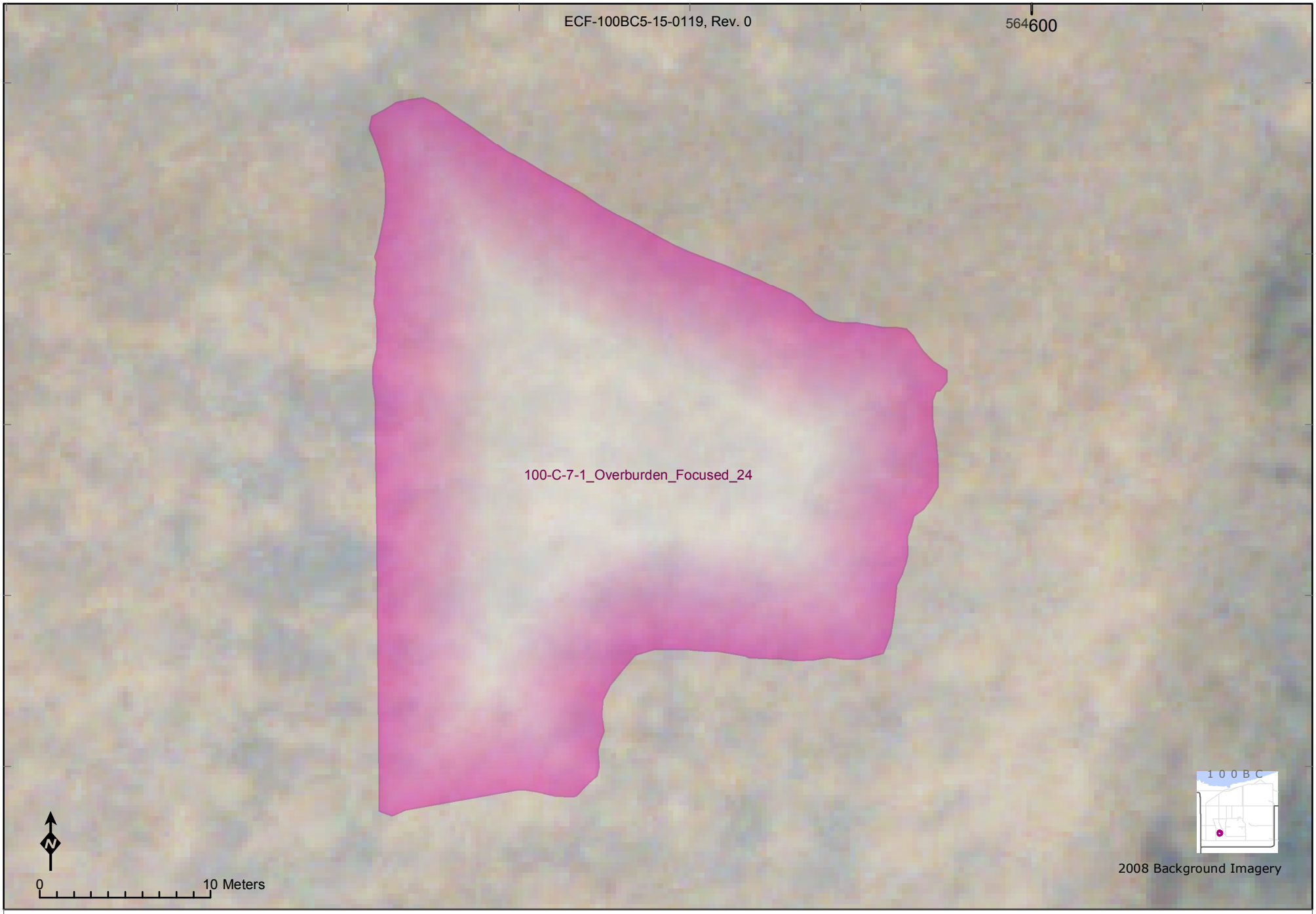
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-3_Shallow	**5.5**	87	**8.6**	3	11	2.4	11



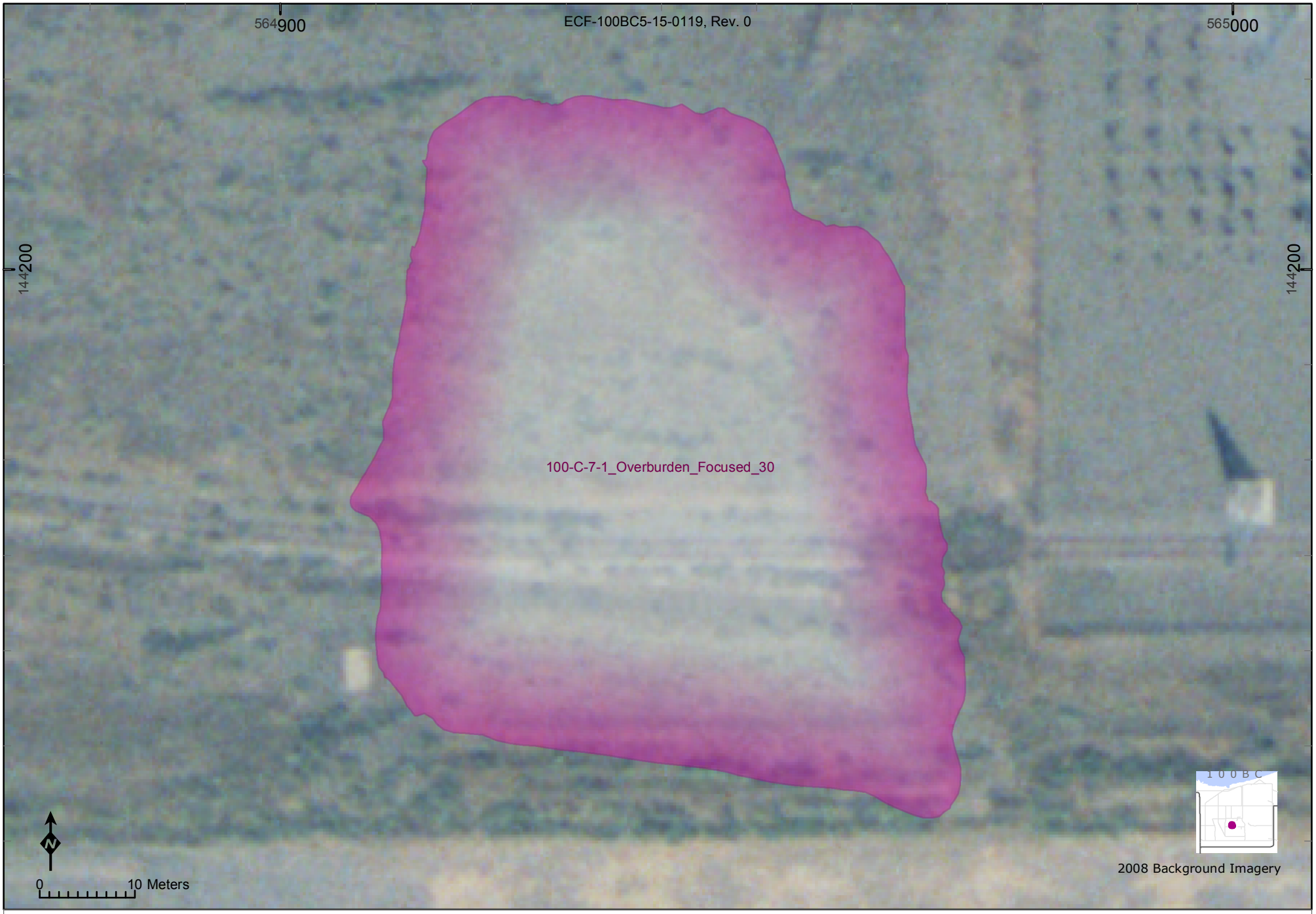
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7-1_Overburden_Focused_1	**82.4**	88	**117.8**	52	181	0.2	167



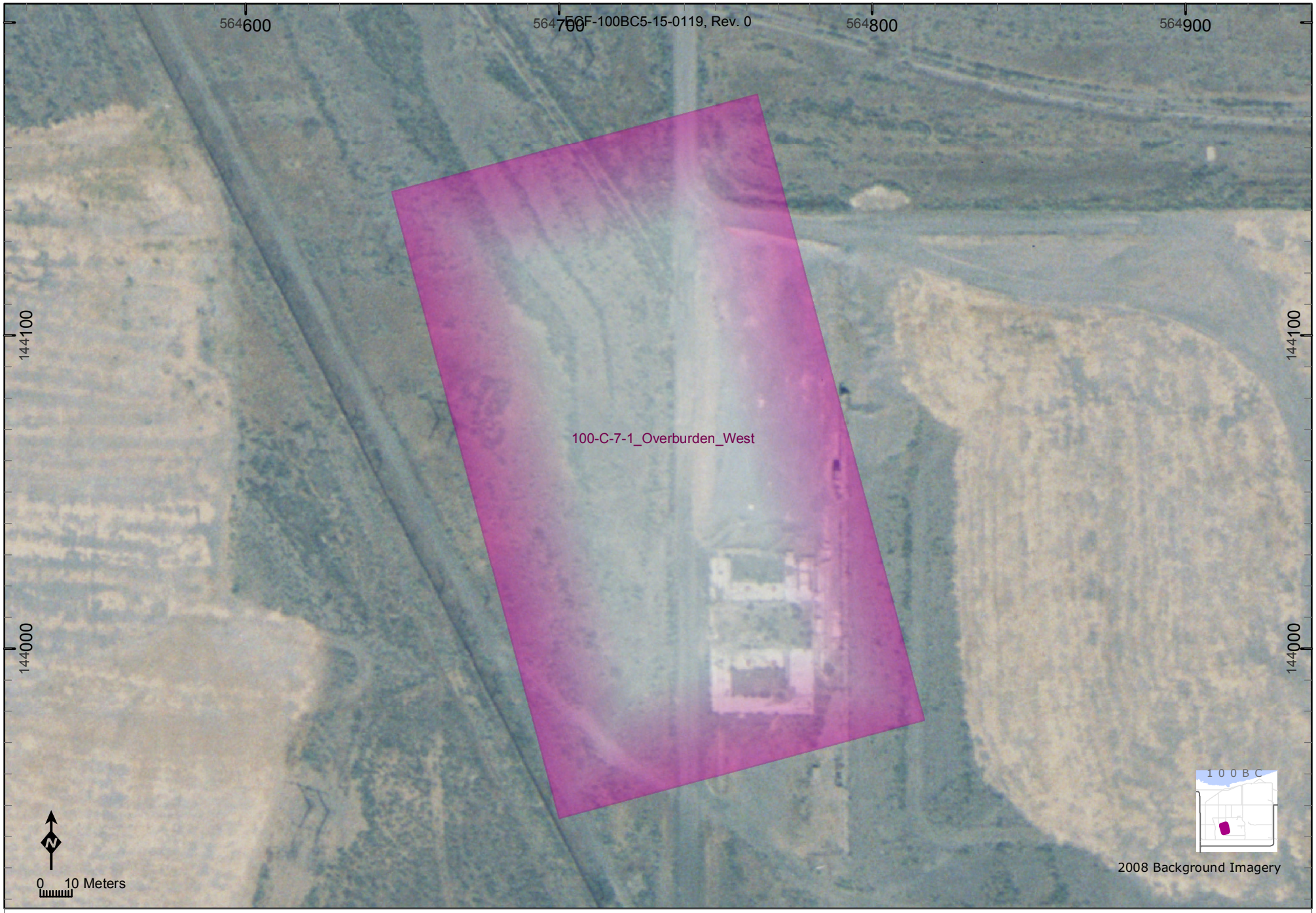
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7-1_Overburden_Focused_23	**27**	89 **52.1**	22	44	1.8	70



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7-1_Overburden_Focused_24	**17**	**26.2**	11	35	0.6	42



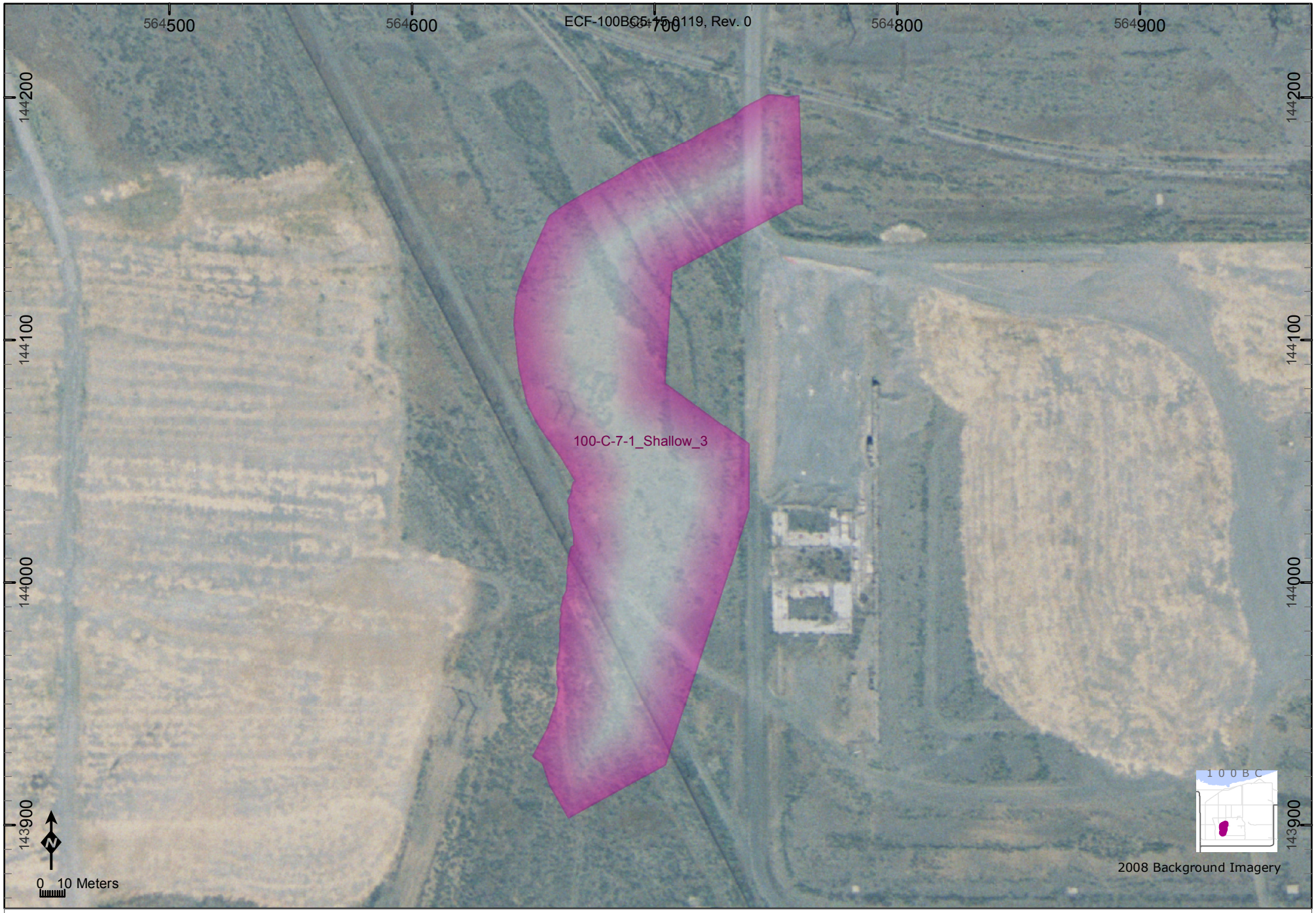
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7-1_Overburden_Focused_30	**34.3**	91	**55.8**	20	66	0.2	70



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7-1_Overburden_West	**89.2**	92 **146.9**	72	170	1.4	214

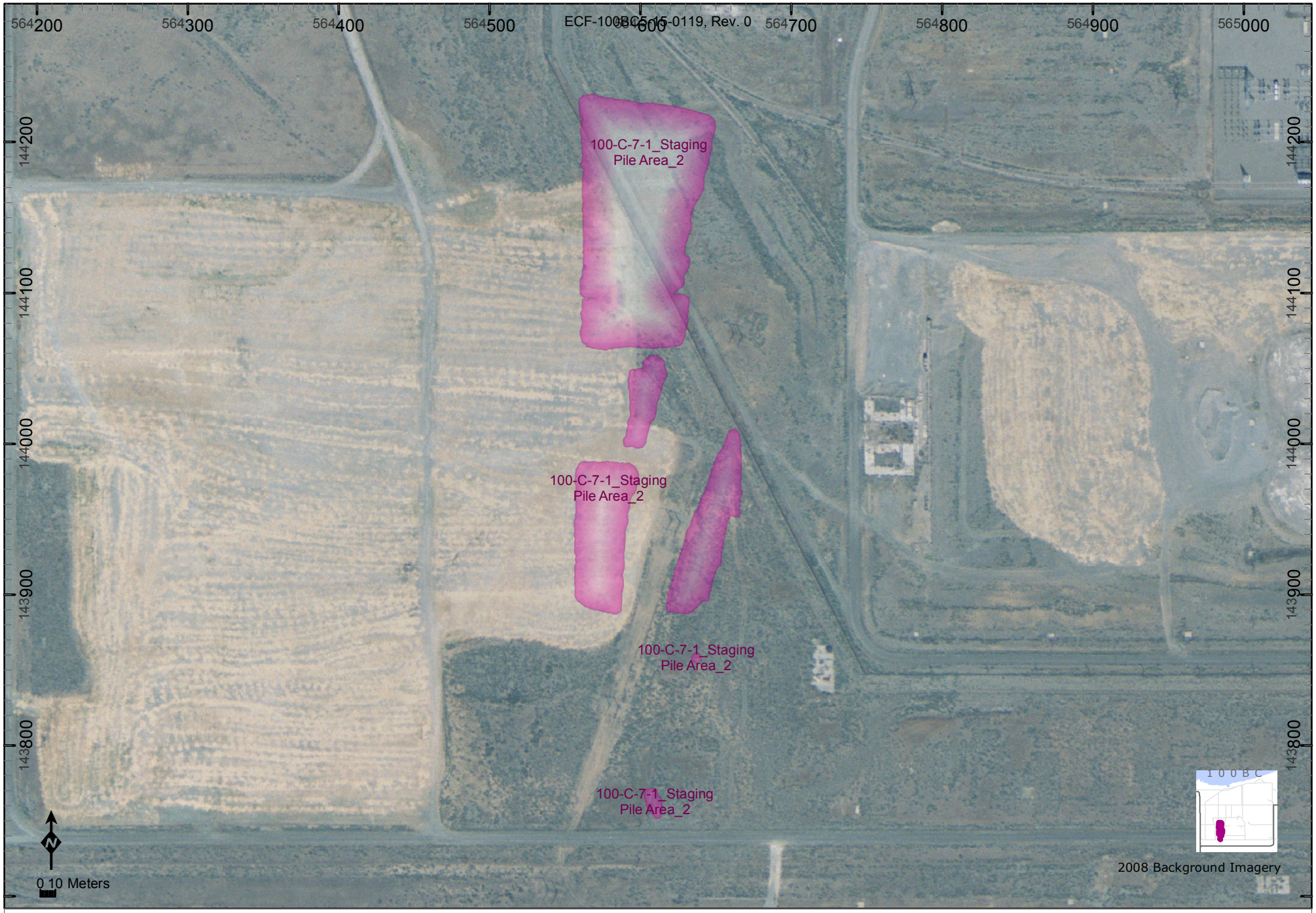
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7-1_Shallow_1	**89.9**	93	**55.4**	64	458	0.1	304

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7-1_Shallow_2	**48.4**	**51.6**	53	143	2.2	191

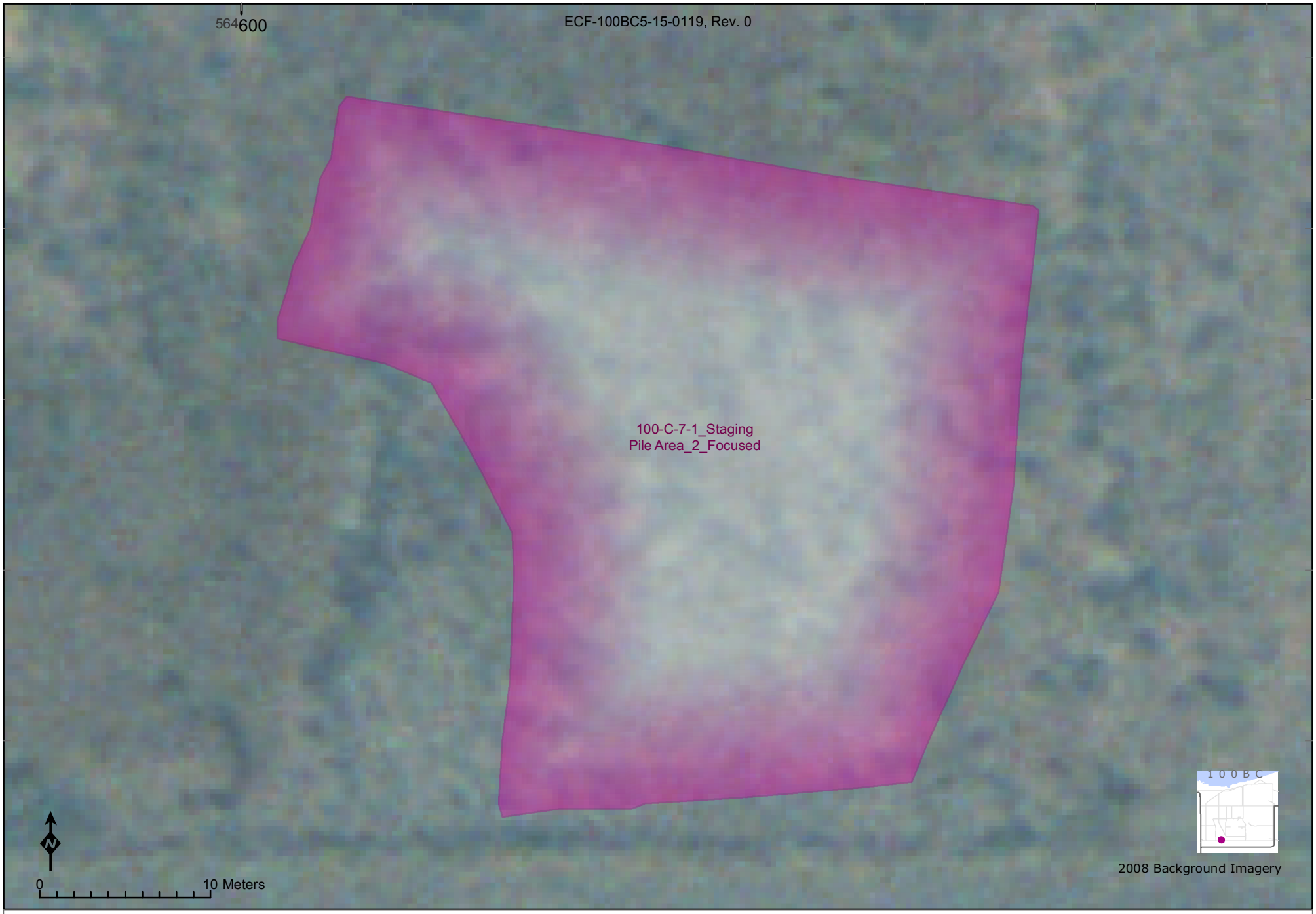


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7-1_Shallow_3	**76.4**	**103.5**	83	177	0.9	254

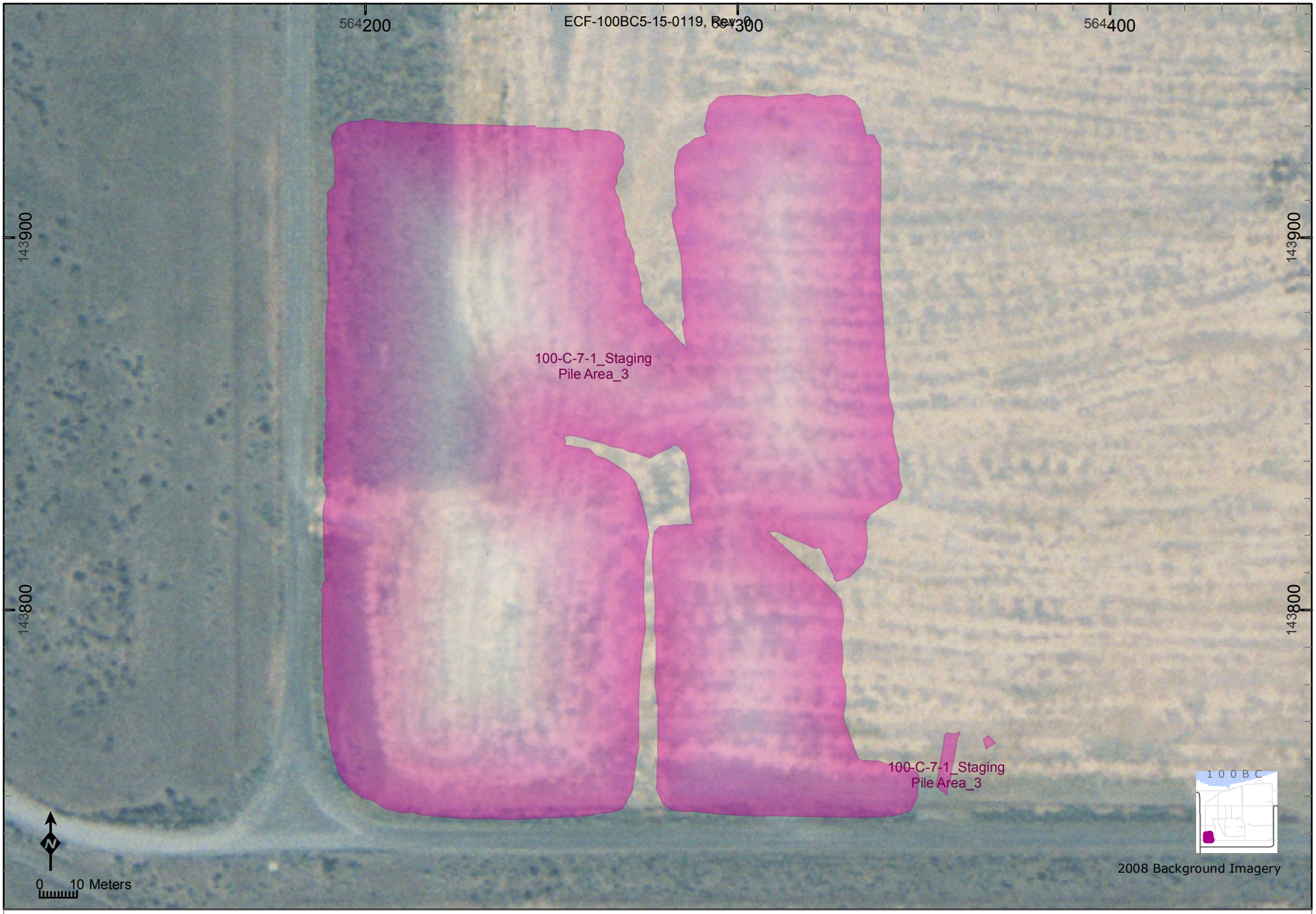
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7-1_Staging Pile Area_1	**79.6**	96	**50.7**	19	392	0.1	70



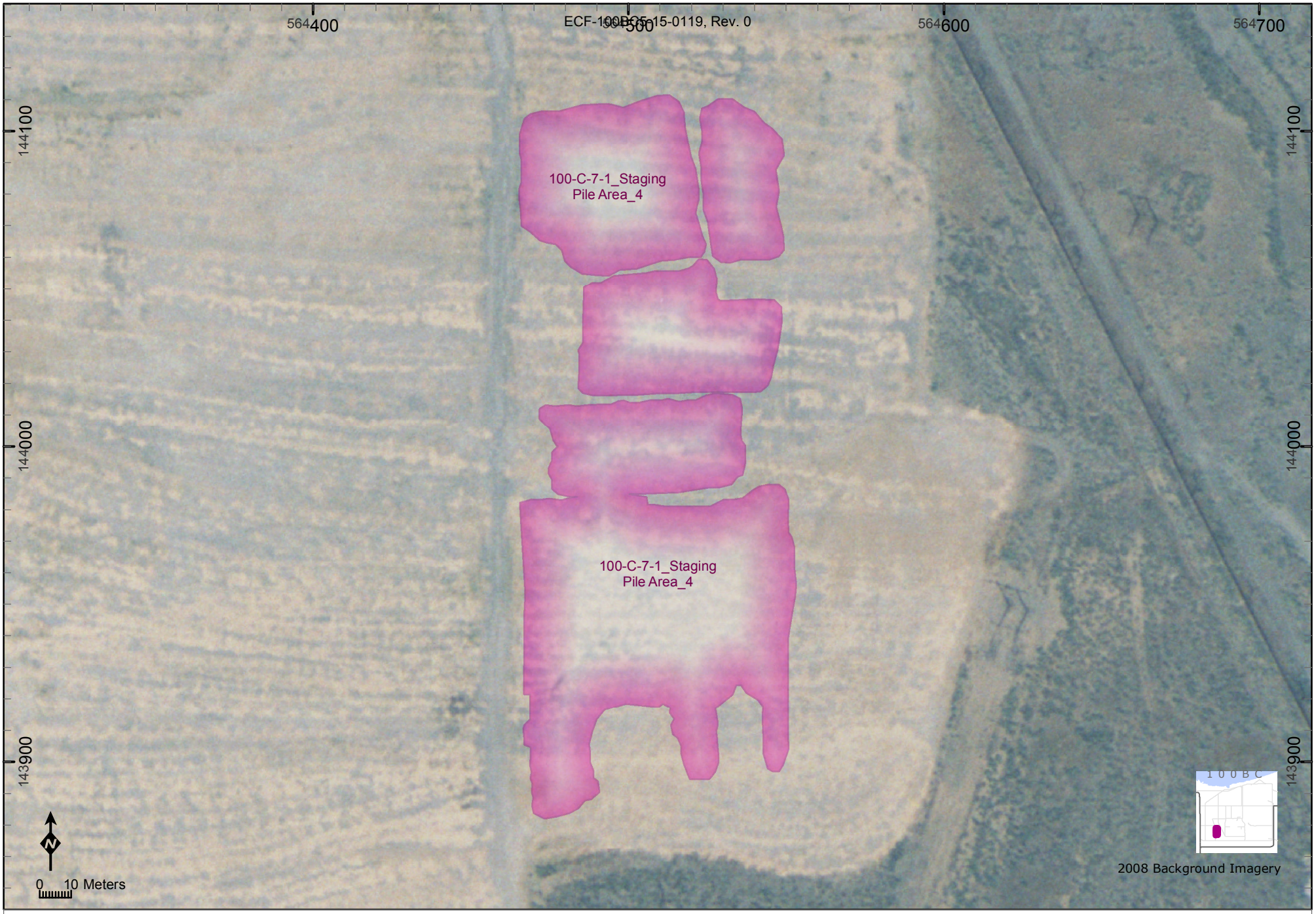
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7-1_Staging Pile Area_2	**78.6**	97	**70.6**	56	275	0.4	168



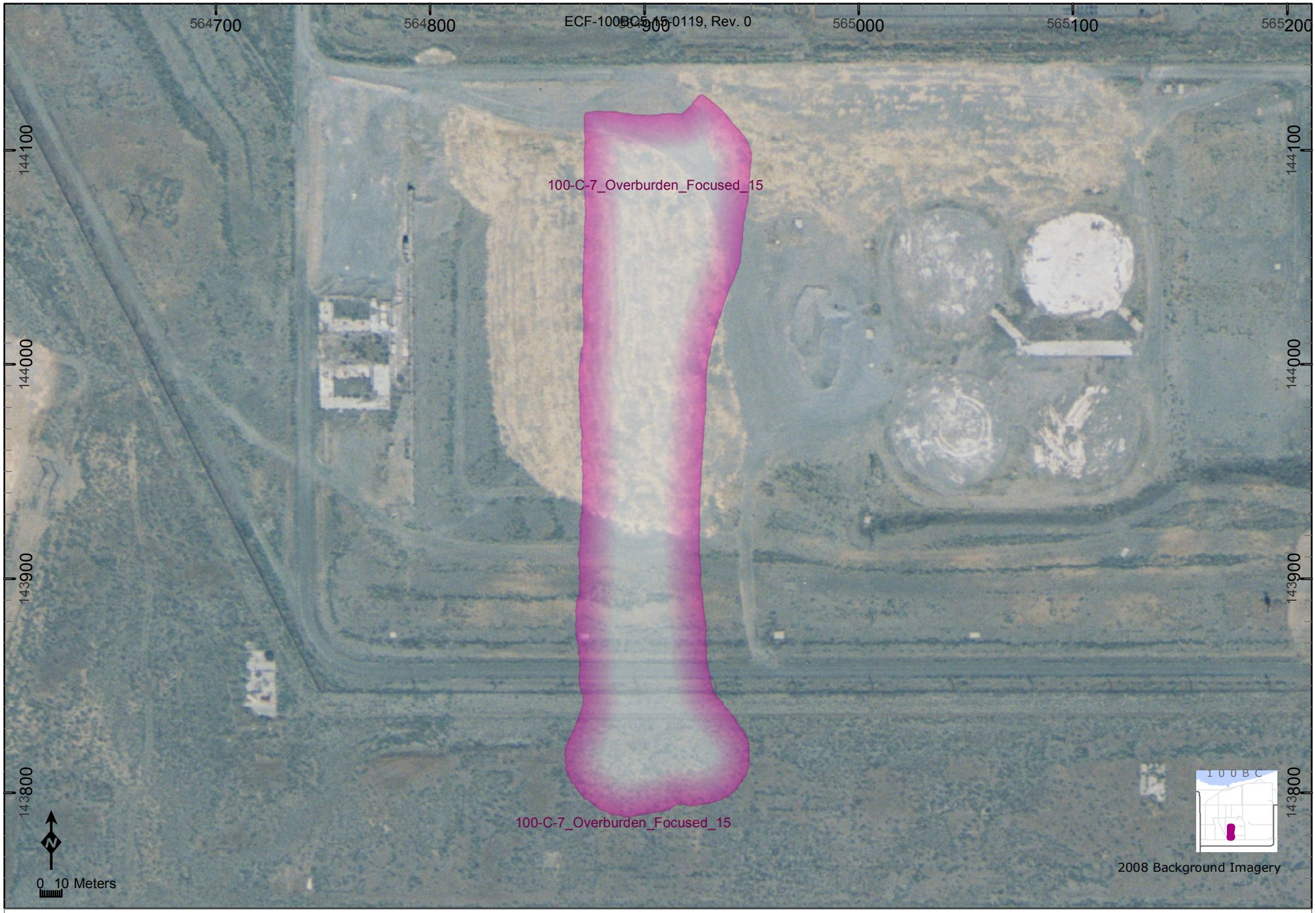
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7-1_Staging Pile Area_2_Focused	**20**	98	**28.7**	11	44	4.4	41



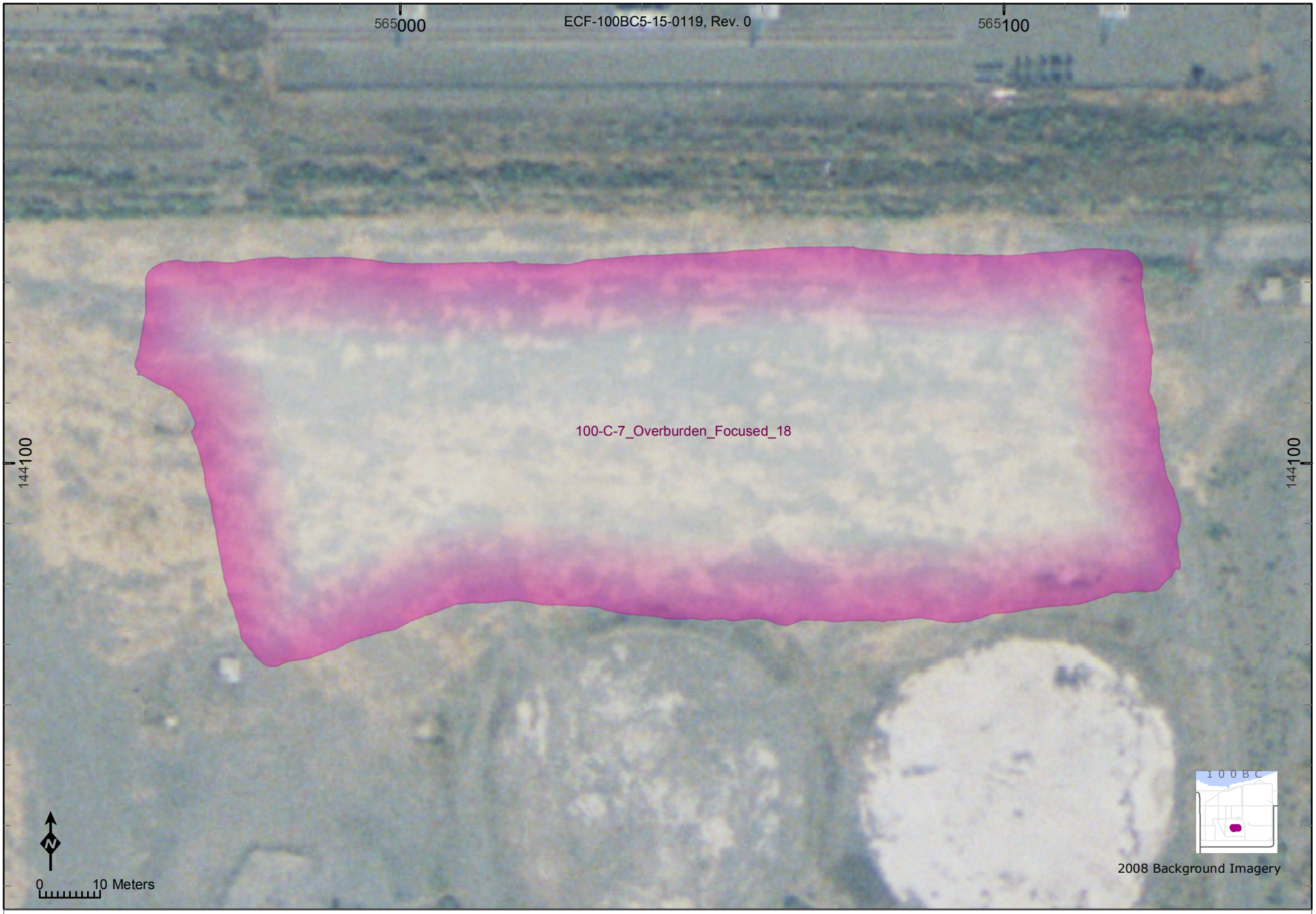
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7-1_Staging Pile Area_3	**90.9**	99	**99.1**	68	262	0.2	193



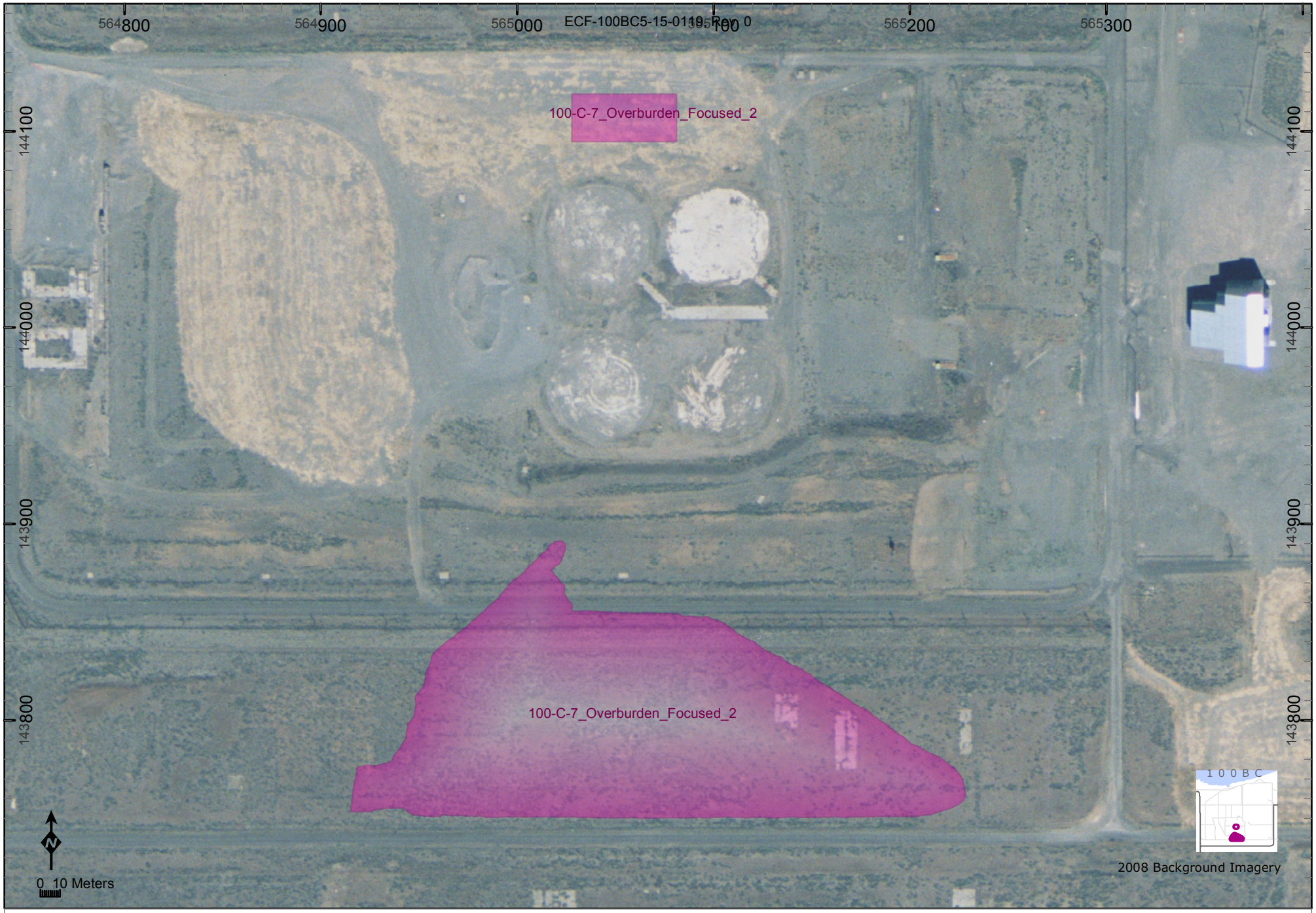
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7-1_Staging Pile Area_4	**67.8**	100	**46.5**	28	311	0	128



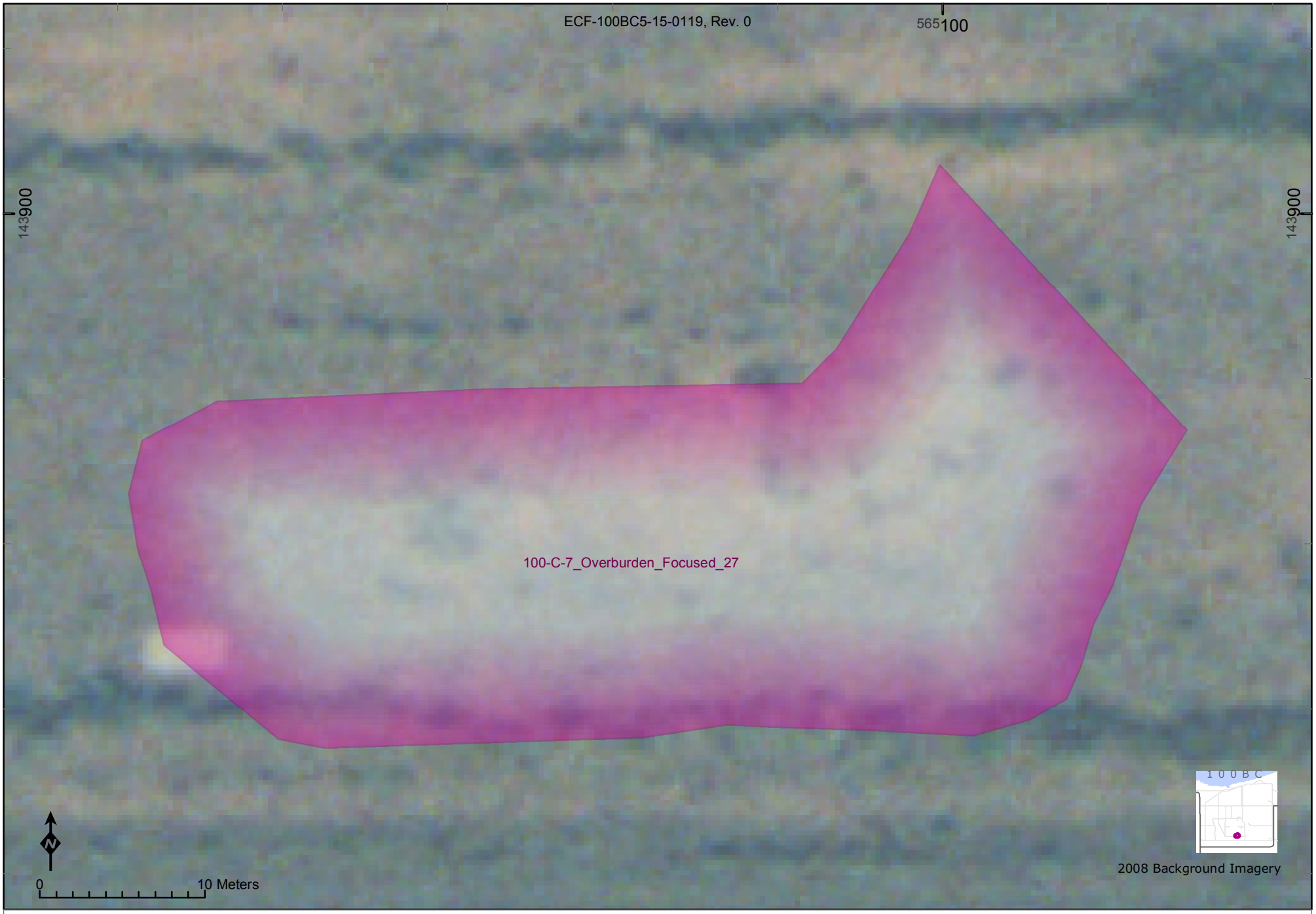
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7_Overburden_Focused_15	**82.2**	**159.5**	141	133	0	330



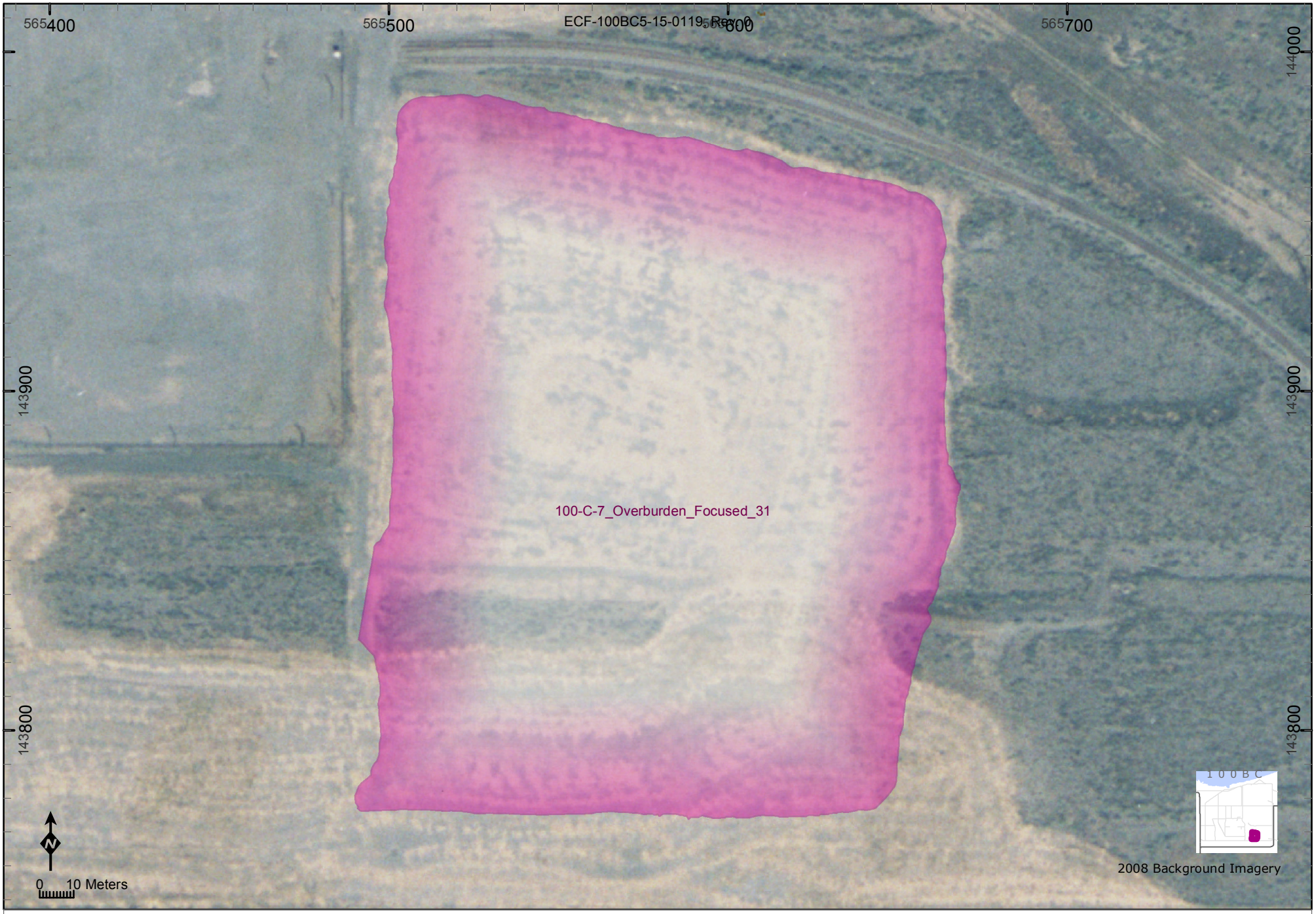
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7_Overburden_Focused_18	**55.4**	102	**54.9**	14	176	1.4	68



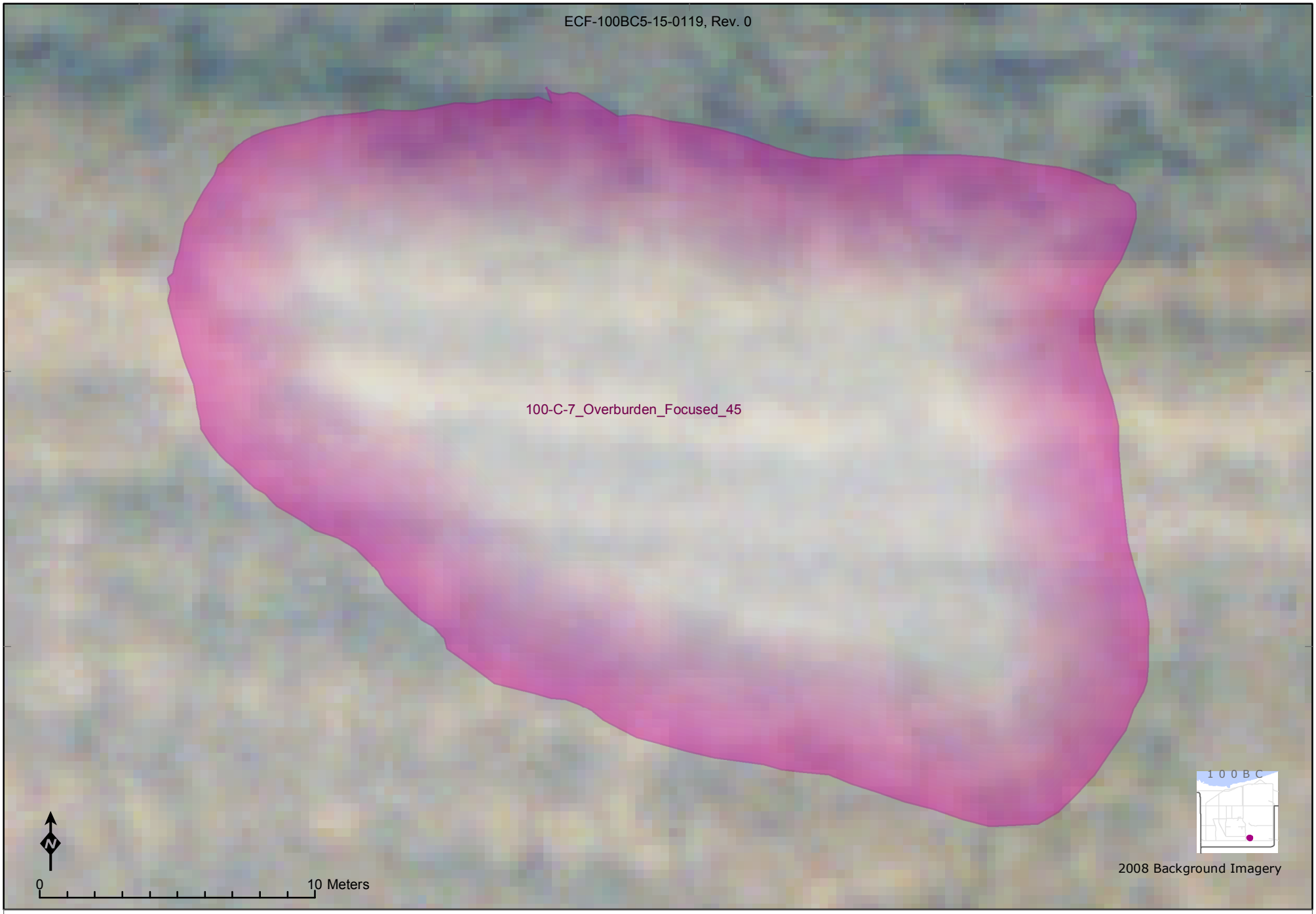
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7_Overburden_Focused_2	**90.9**	103	**69.3**	37	375	0.5	139



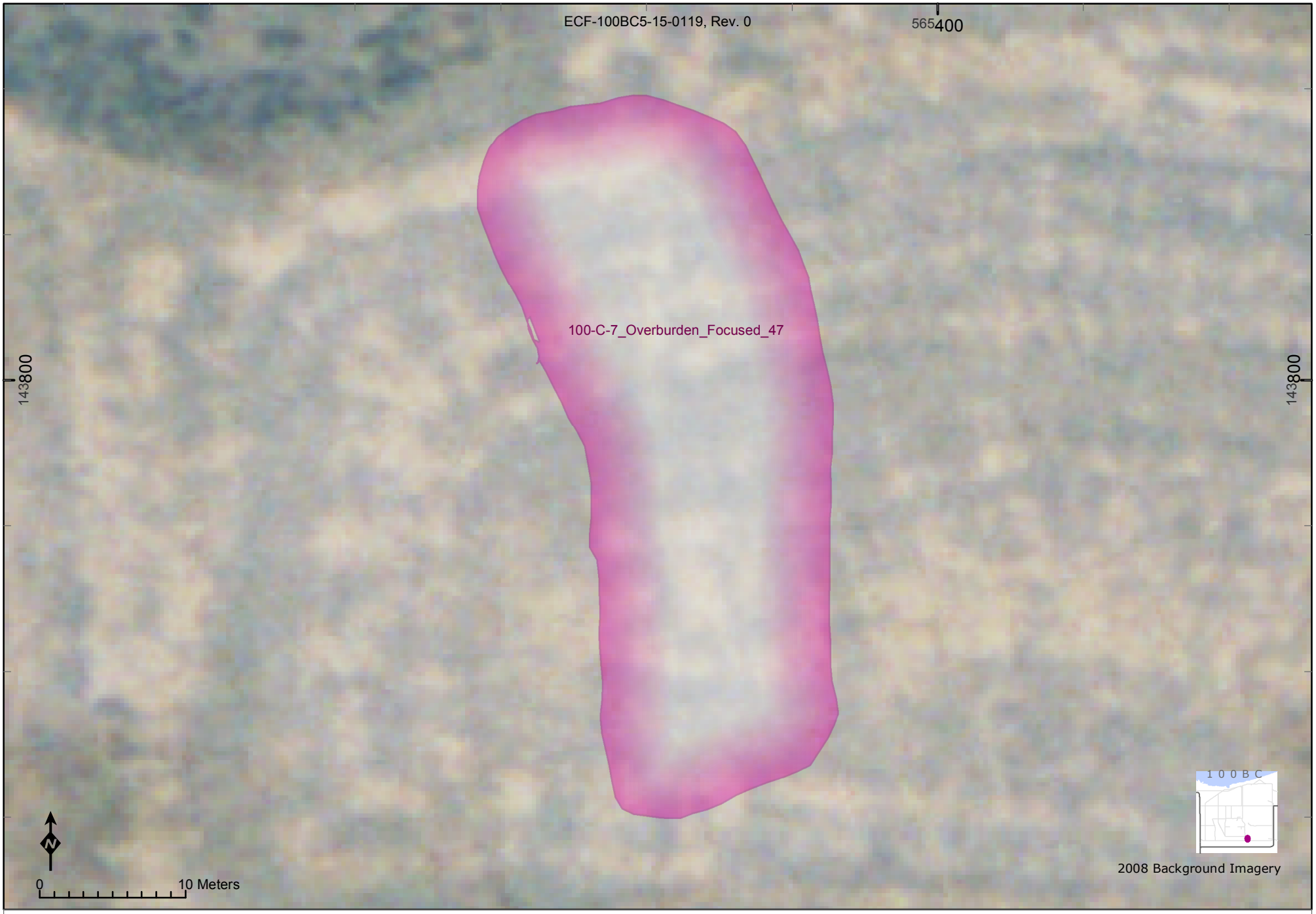
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7_Overburden_Focused_27	**20.7**	**20.9**	6	64	2	34



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7_Overburden_Focused_31	**101.3**	105	**163.6**	70	197	0.1	212



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7_Overburden_Focused_45	**14.9**	106	**18.7**	6	37	1.5	24

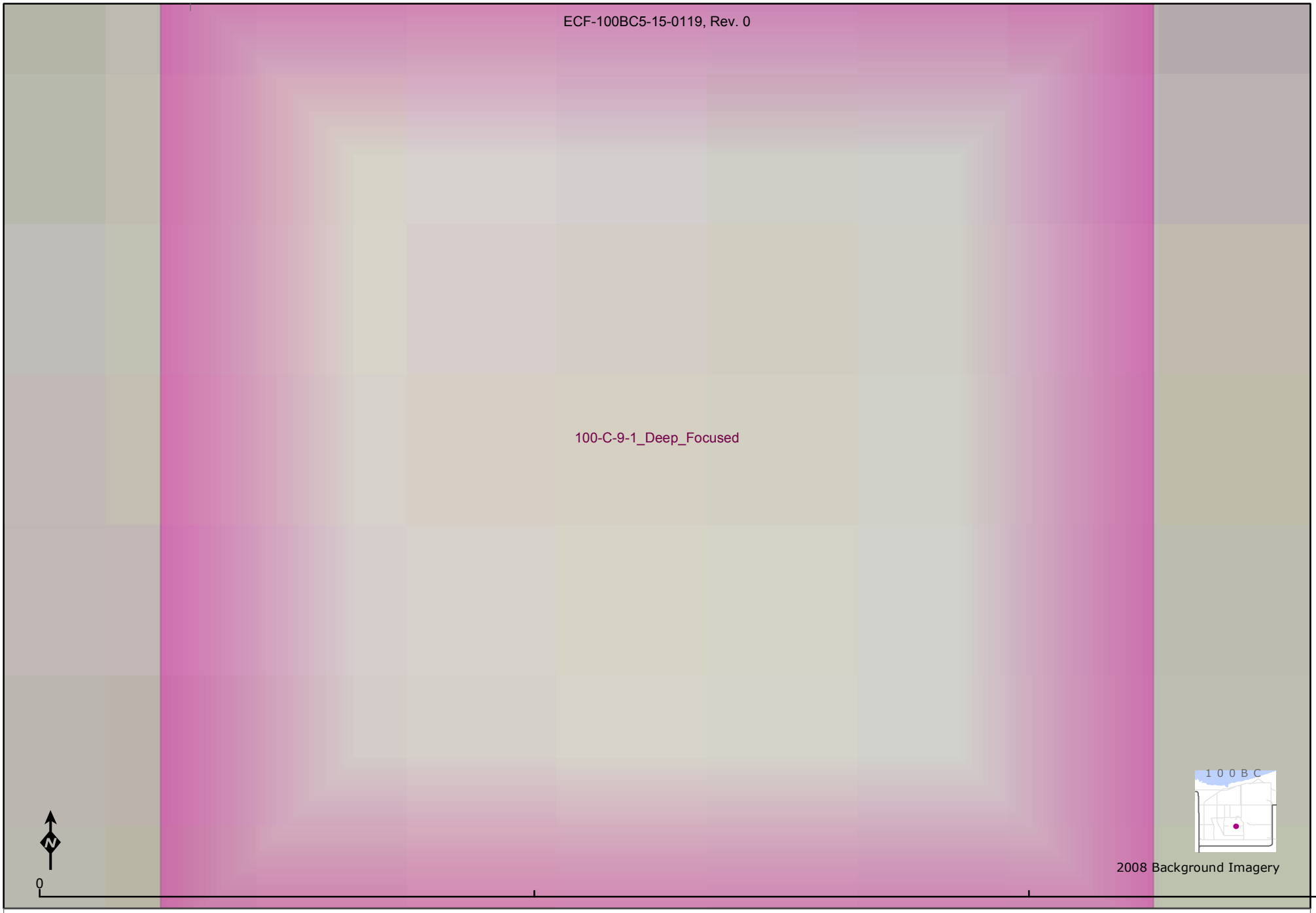


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7_Overburden_Focused_47	**16.2**	107	**31.8**	17	26	0.3	49

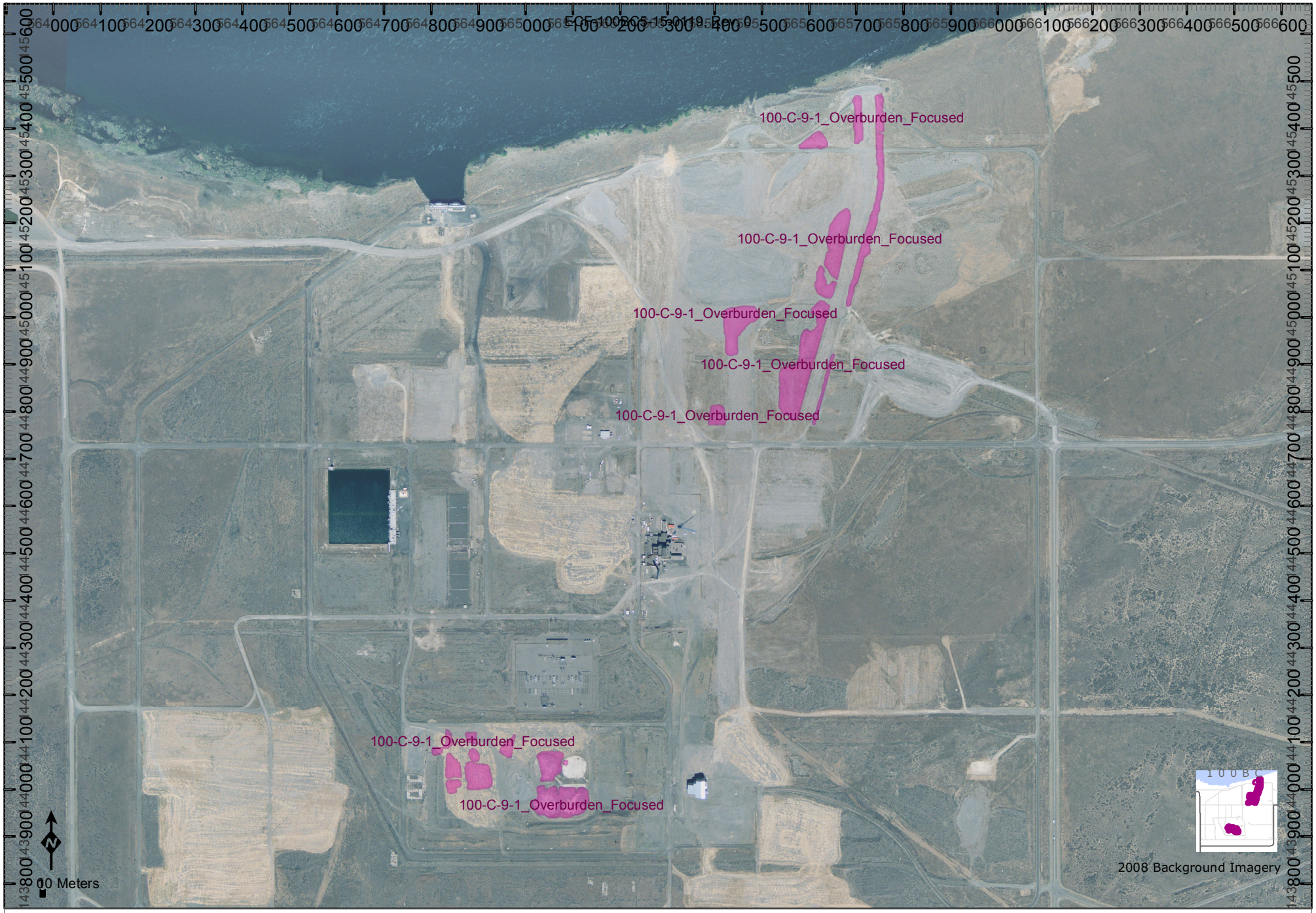
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7_Shallow_1	**85.4**	108	**35.7**	31	641	0.7	182

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7_Shallow_2	**44.5**	109	**35.9**	26	173	0.3	105

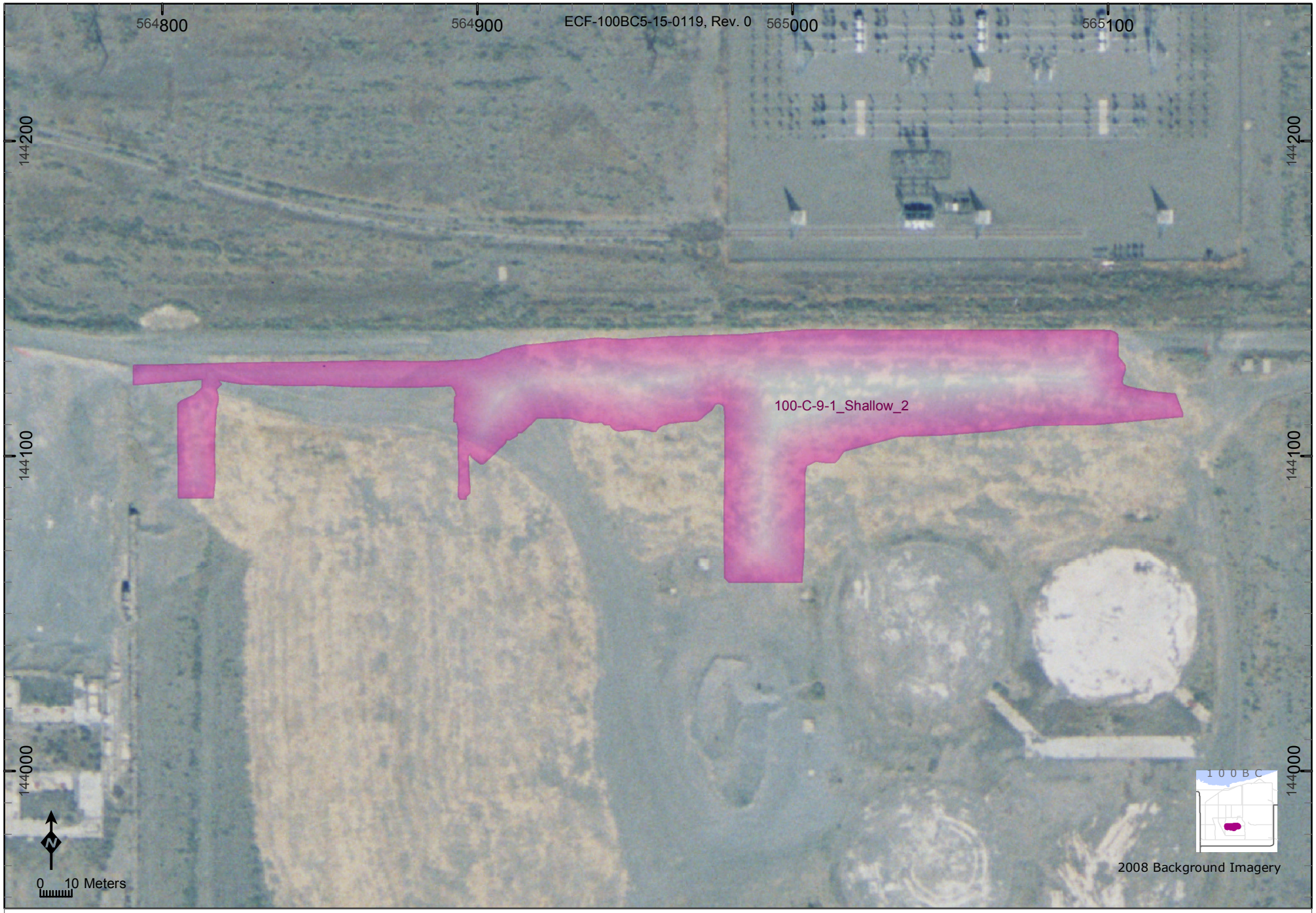
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-7_Staging Pile Area	**93.4**	**45.2**	37	606	0.1	204



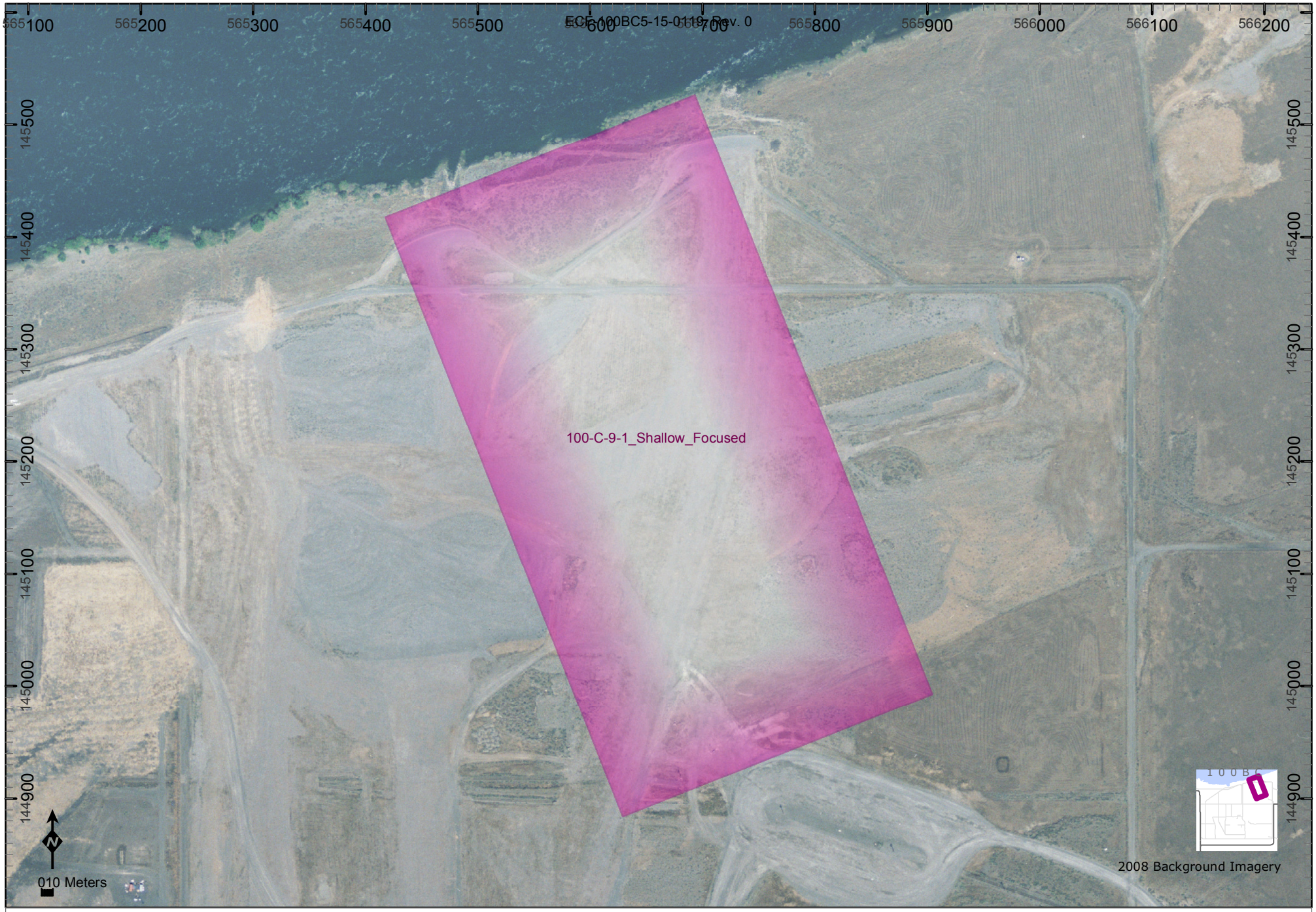
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-9-1_Deep_Focused	**1.1**	111 **2**	0	2	2	2



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-9-1_Overburden_Focused	**122**	112	**44.6**	33	1049	0.1	166



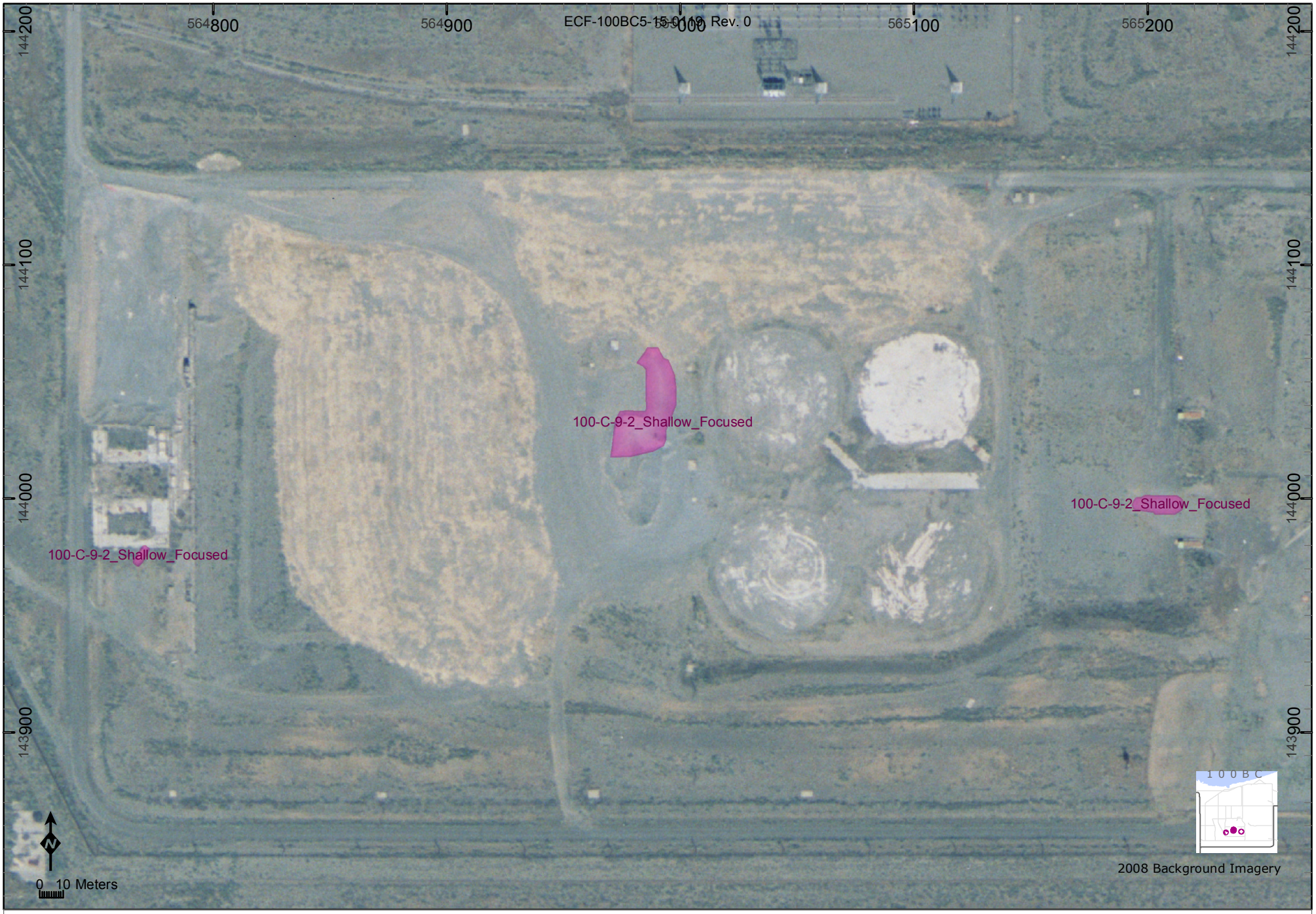
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-9-1_Shallow_2	**53.5**	113	**26.1**	19	344	0.7	80



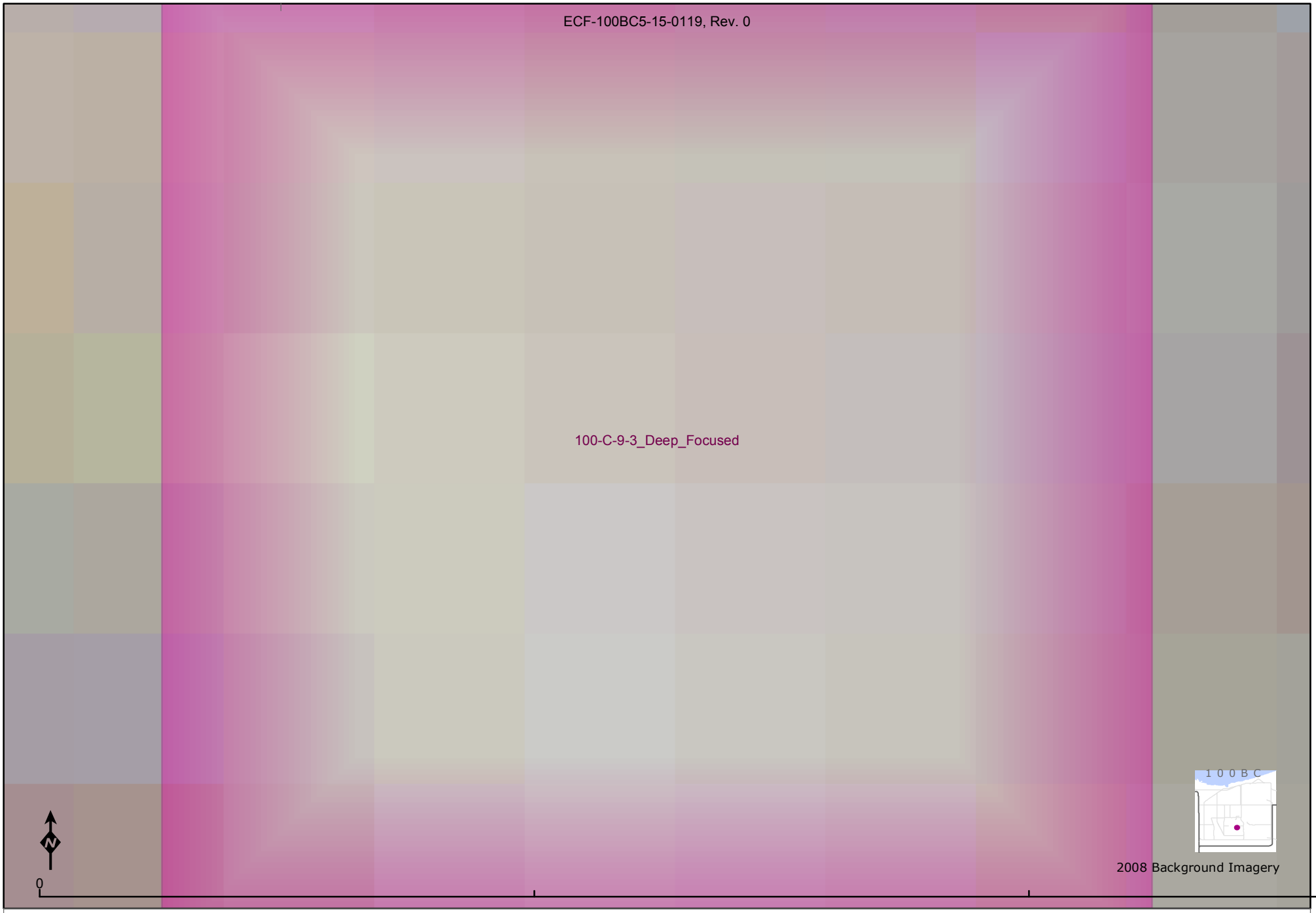
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-9-1_Shallow_Focused	**232.5**	114	**348.7**	197	487	0.4	617

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-9-2_Overburden_Focused	**17.8**	115	**16.6**	9	60	1.5	48

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-9-2_Shallow	**26.2**	116	**11.7**	20	185	0.5	98



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-9-2_Shallow_Focused	**16.7**	117	**14.8**	13	59	1.2	45

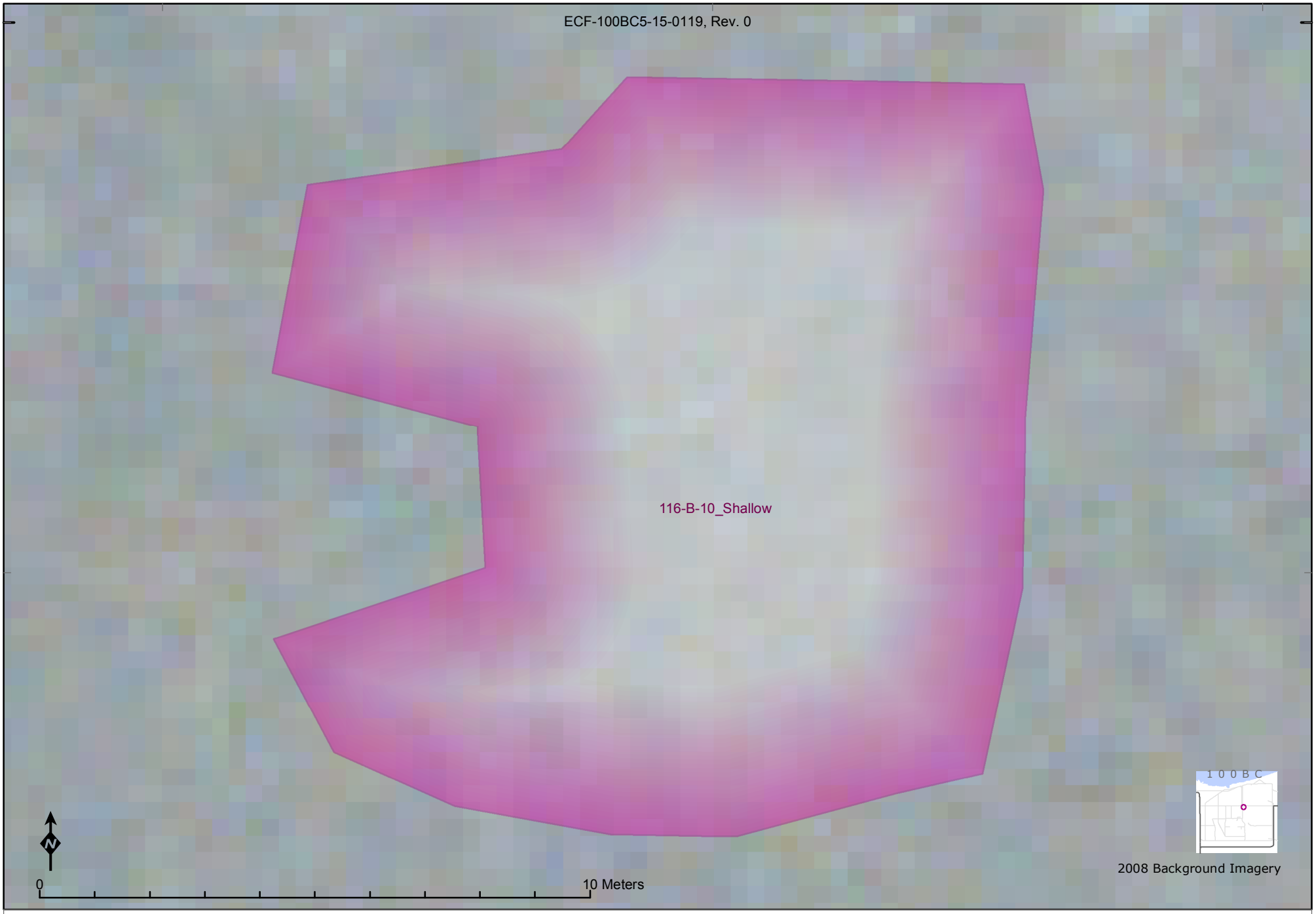


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-9-3_Deep_Focused	**1.1**	118 **2**	0	2	2	2

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
100-C-9_1_Shallow_1	**74.9**	119	**112**	66	158	3.3	297

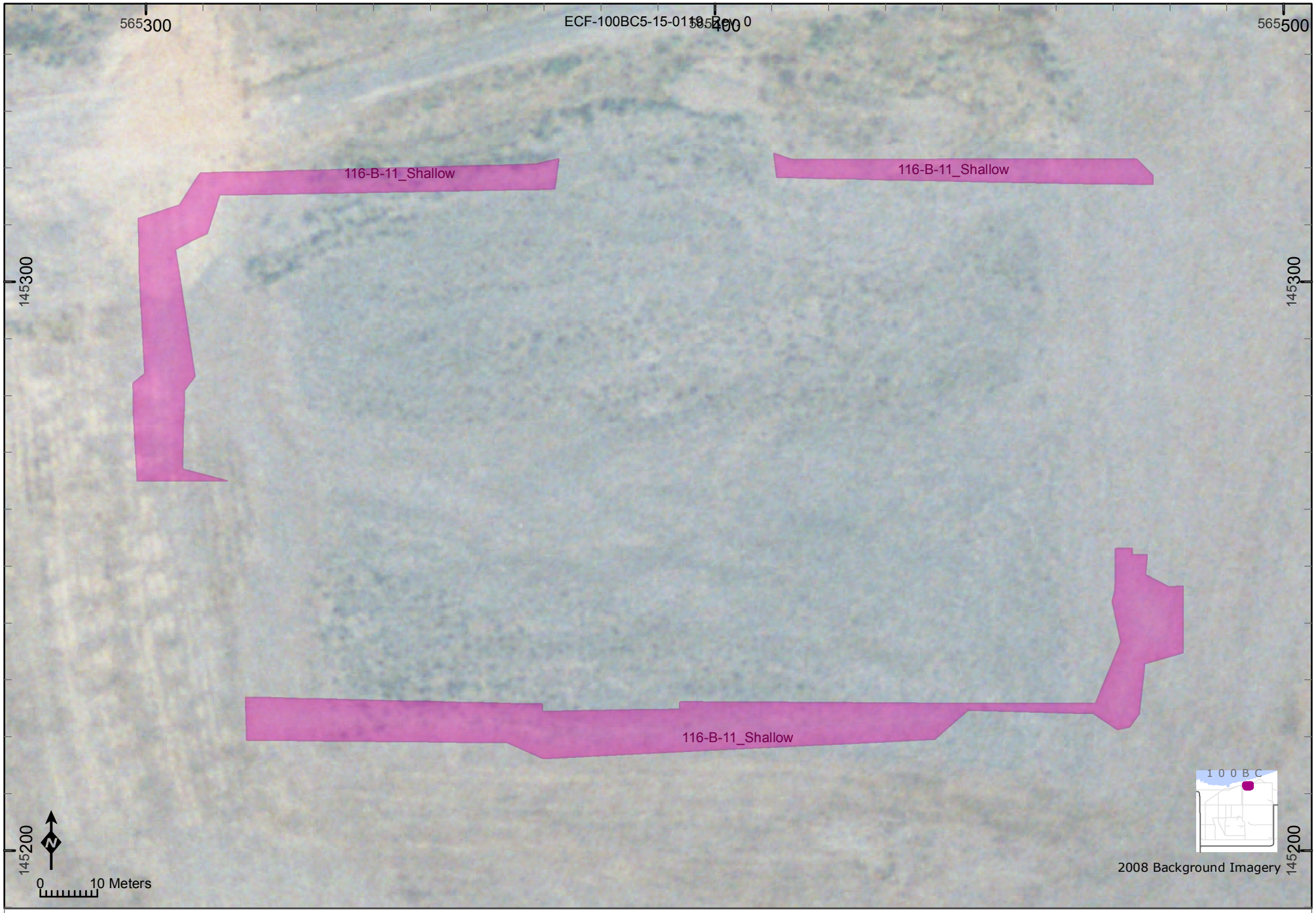
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-1_Deep	**24.4**	120	**20**	6	93	0.1	26

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-1_Shallow	**26.2**	121	**10.8**	3	199	0.1	15

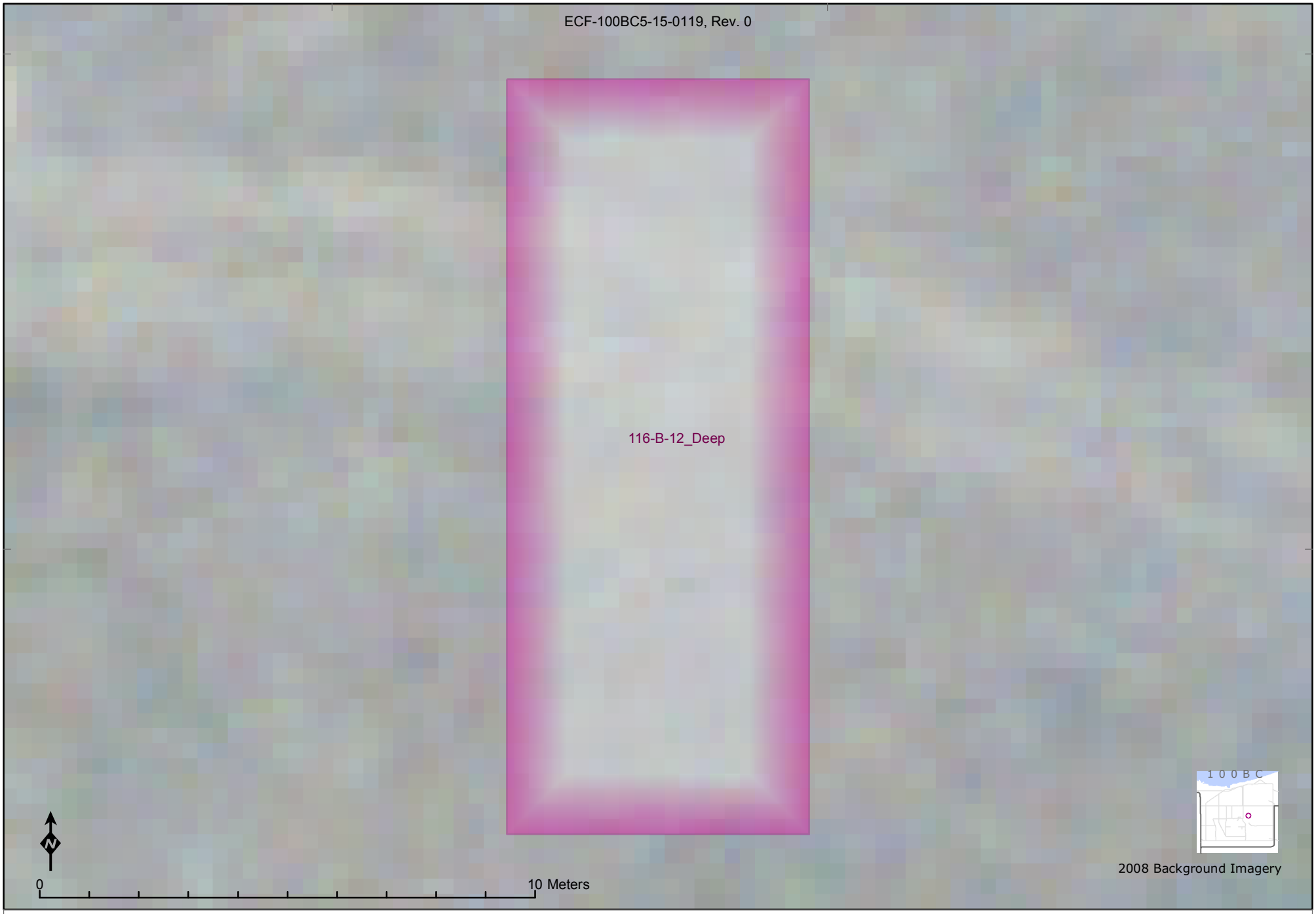


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-10_Shallow	**7**	122	**8.4**	5	18	0	14

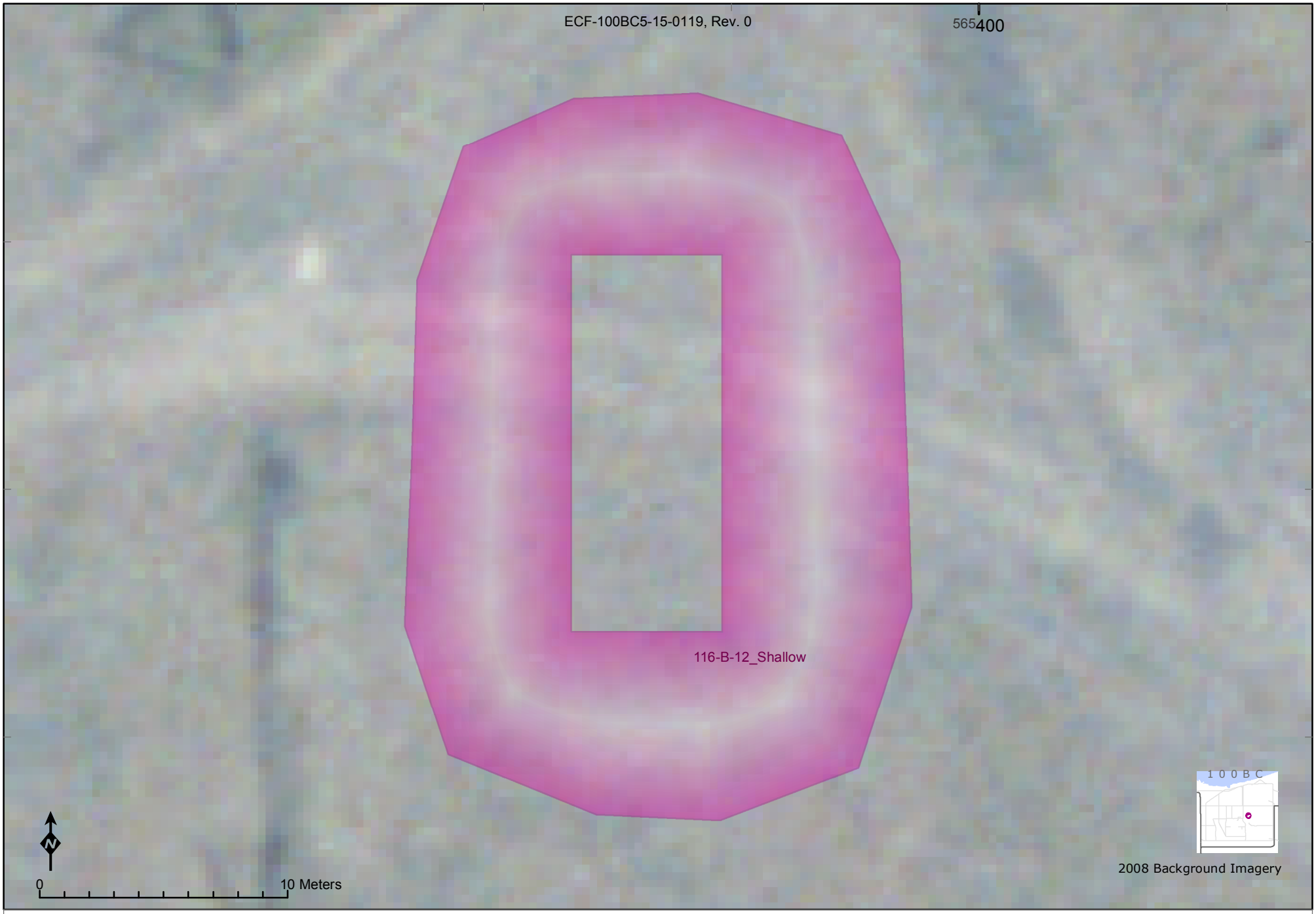
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-11_Deep	**68.1**	123	**85.7**	20	170	0.6	97



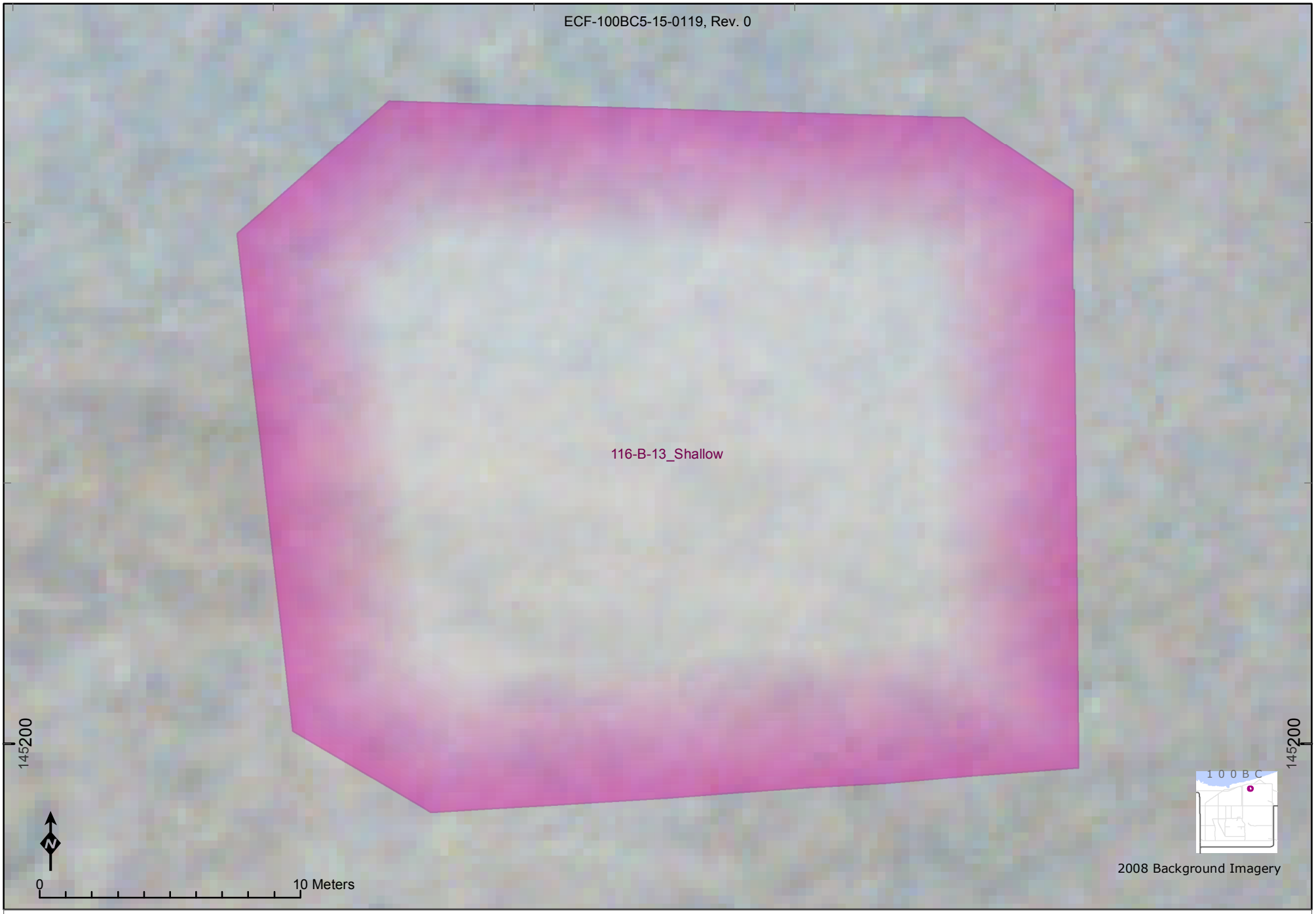
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-11_Shallow	**26.3**	124	**6.8**	7	320	0.1	48



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-12_Deep	**5.4**	**15.2**	0	6	15.2	15



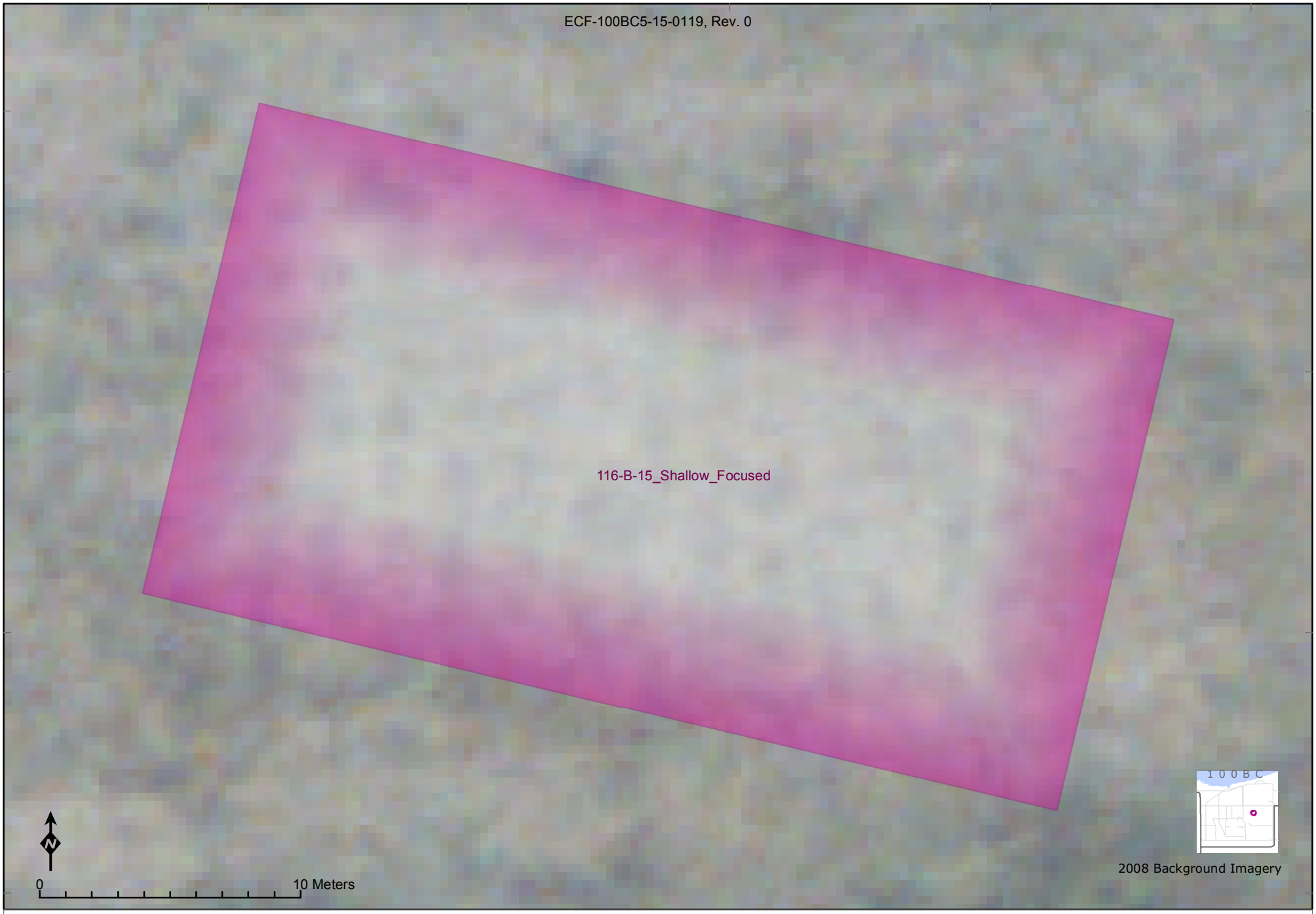
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-12_Shallow	**11.7**	126	**15.9**	10	27	5	29



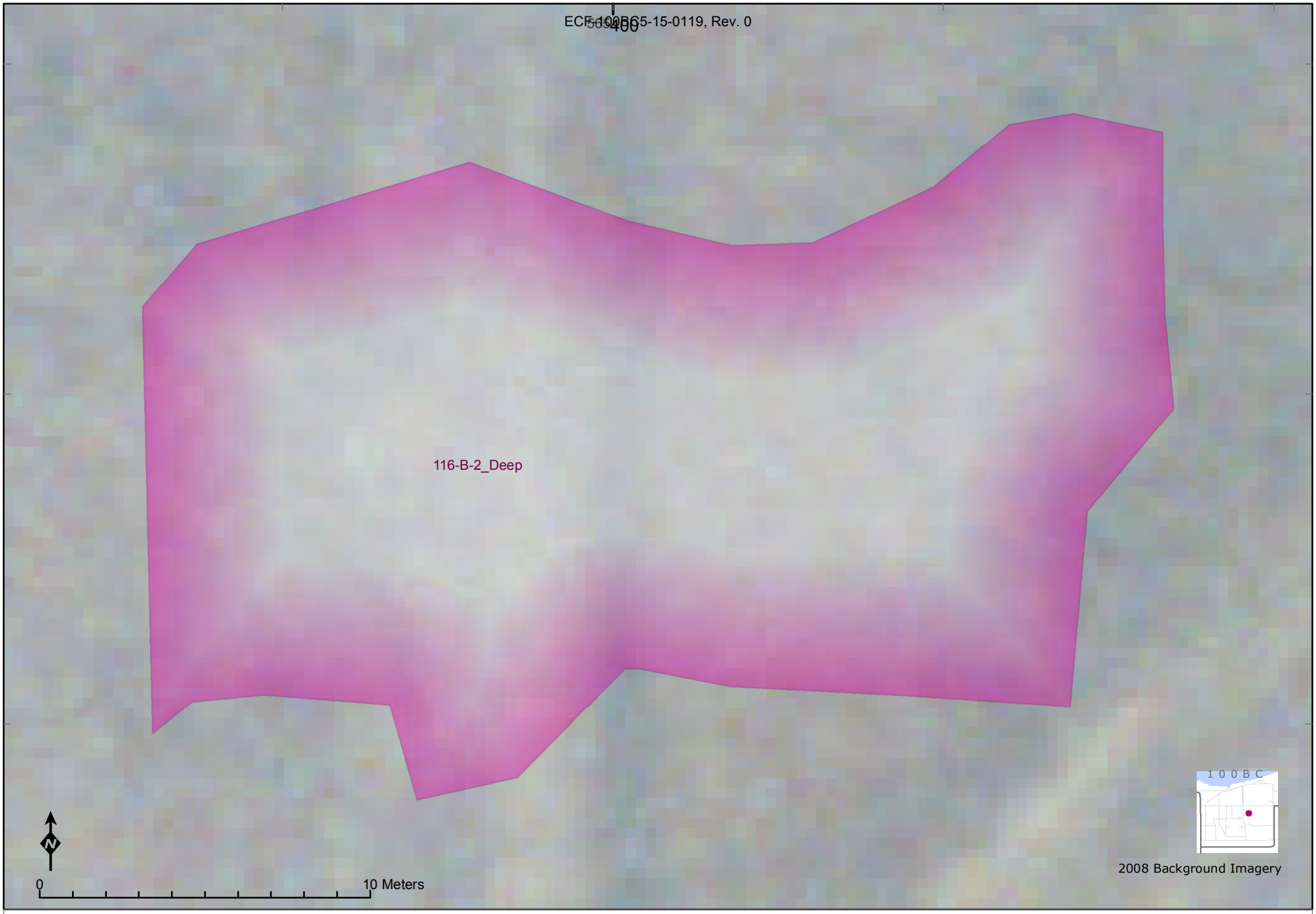
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-13_Shallow	**15.9**	127	**24.6**	5	32	3.8	27

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-14_Deep	**6.5**	128	**3.6**	1	37	0.3	4

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-14_Shallow	**9.4**	129	**3.4**	2	82	1.2	10

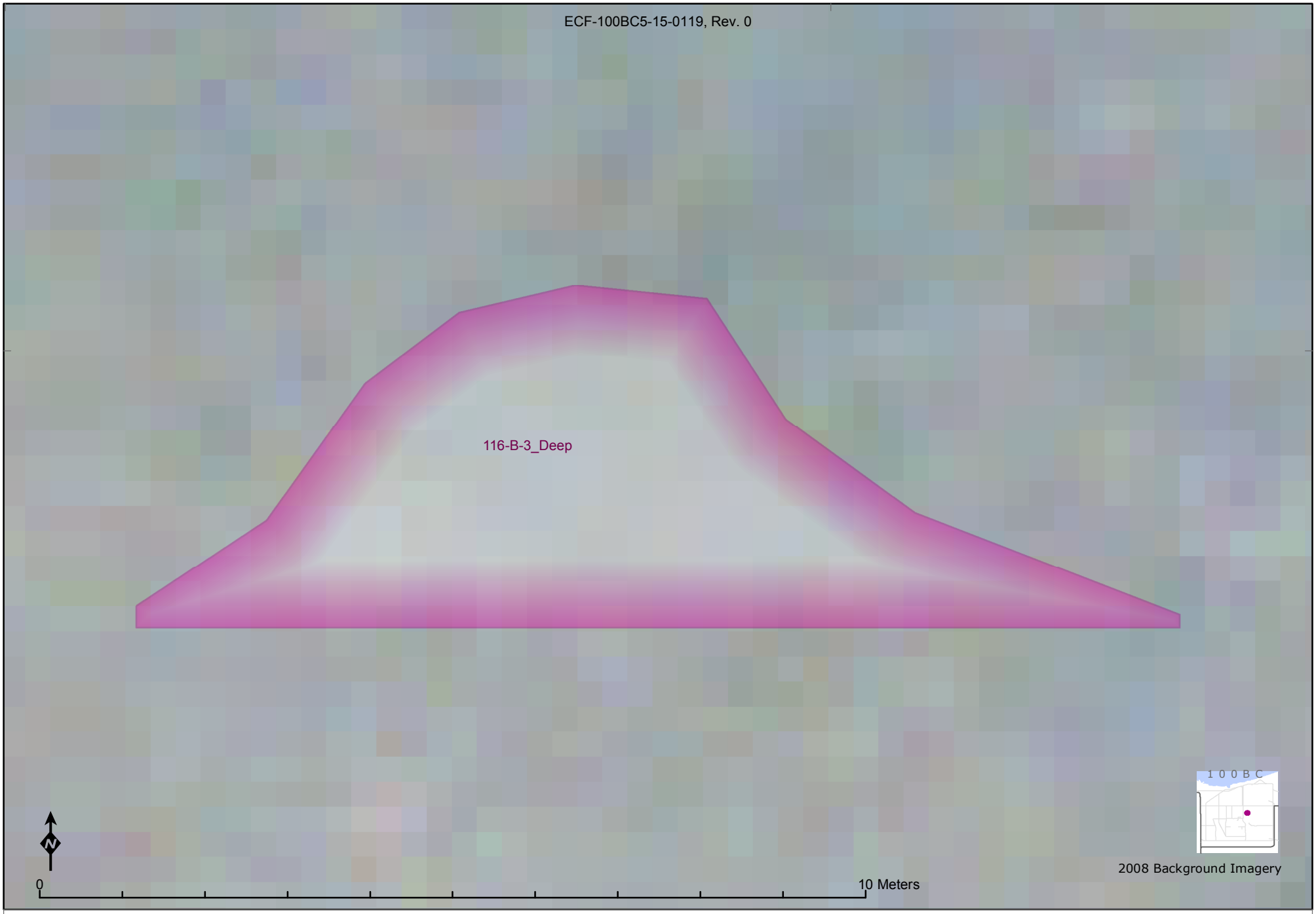


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-15_Shallow_Focused	**14.9**	130	**17.9**	5	39	2.2	20

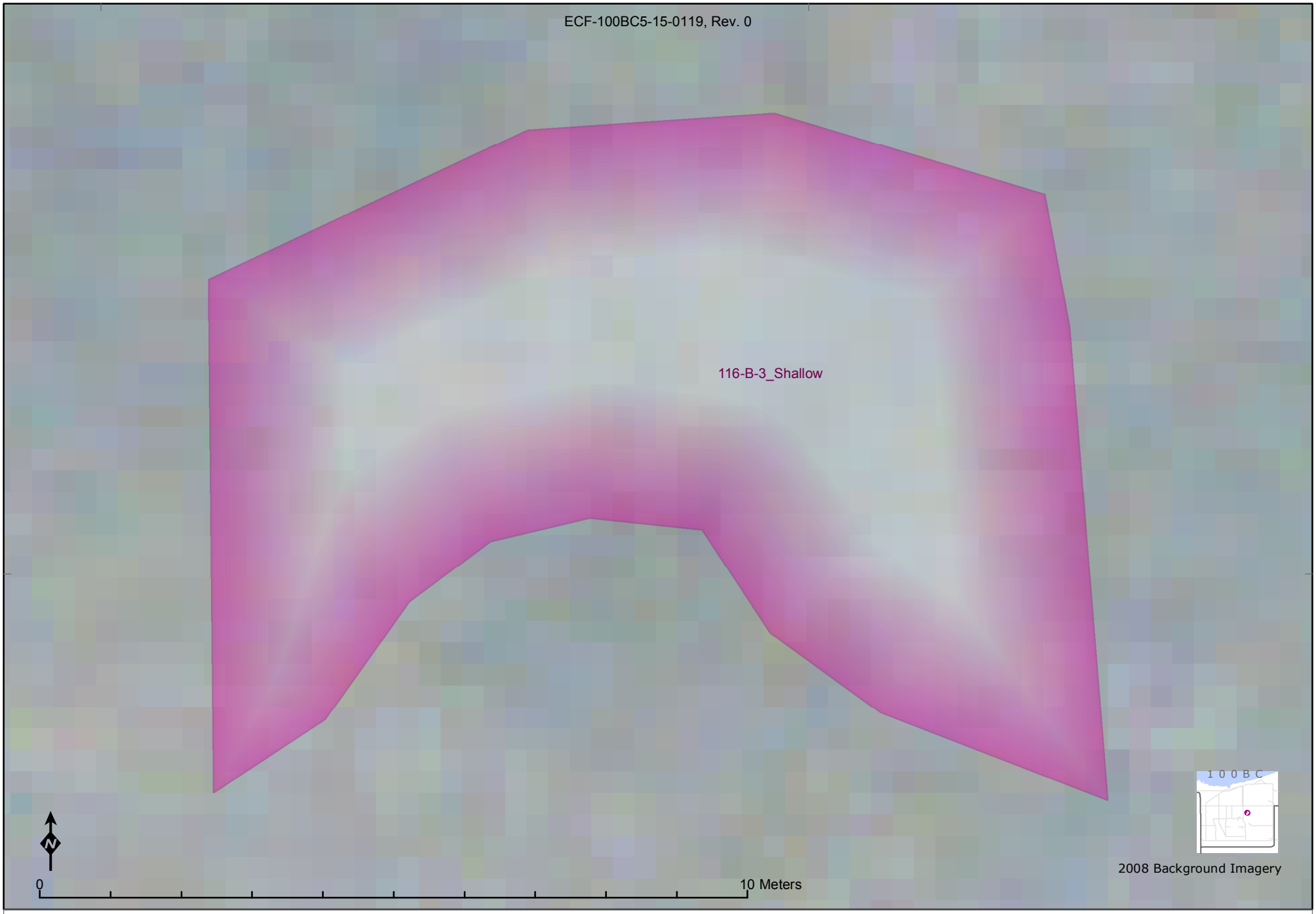


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-2_Deep	**12.1**	131	**14.9**	2	31	9.6	19

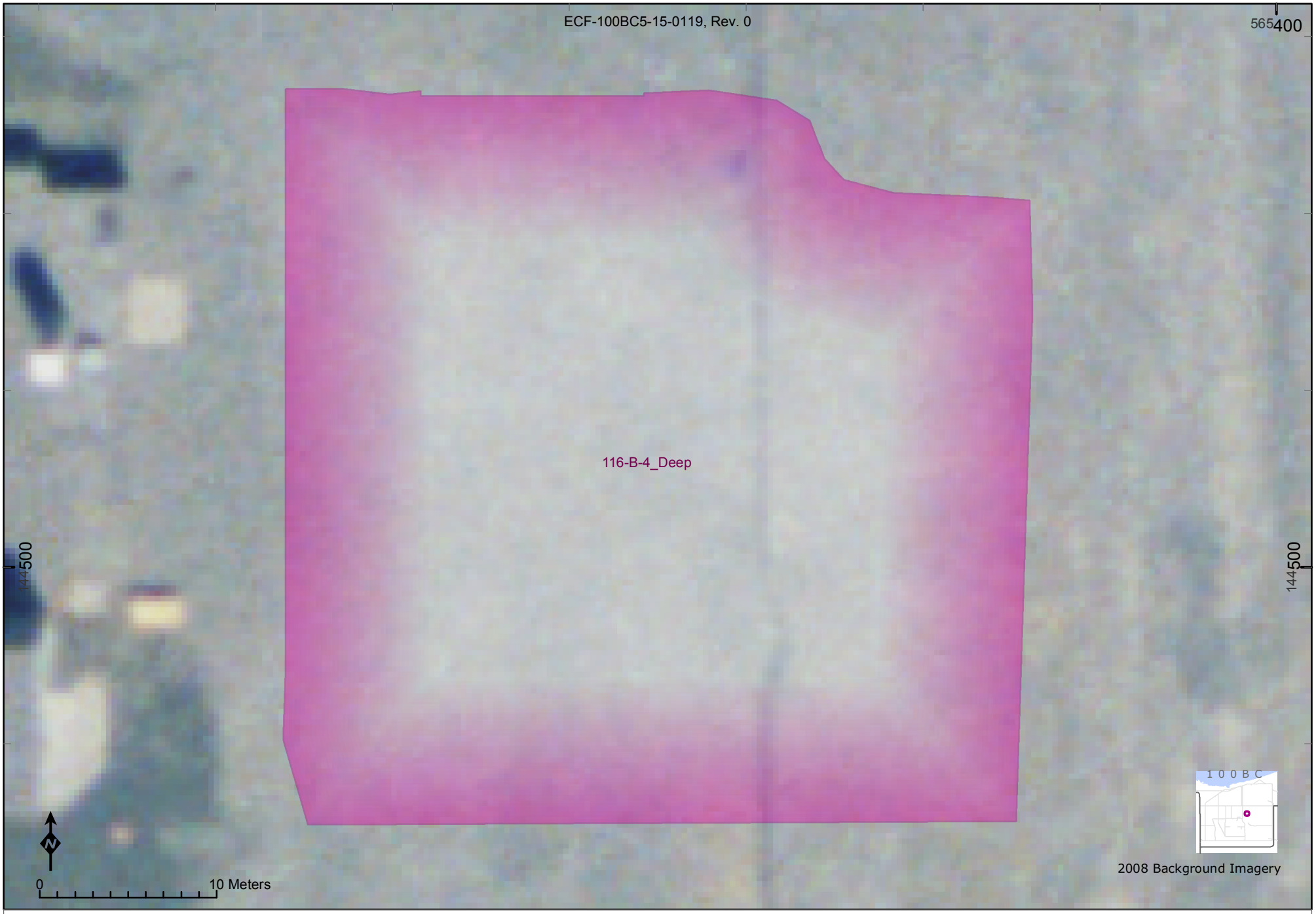
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-2_Shallow	**13.1**	132	**7.7**	5	70	1.5	27



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-3_Deep	**3**	133	**2.2**	1	13	0.2	4

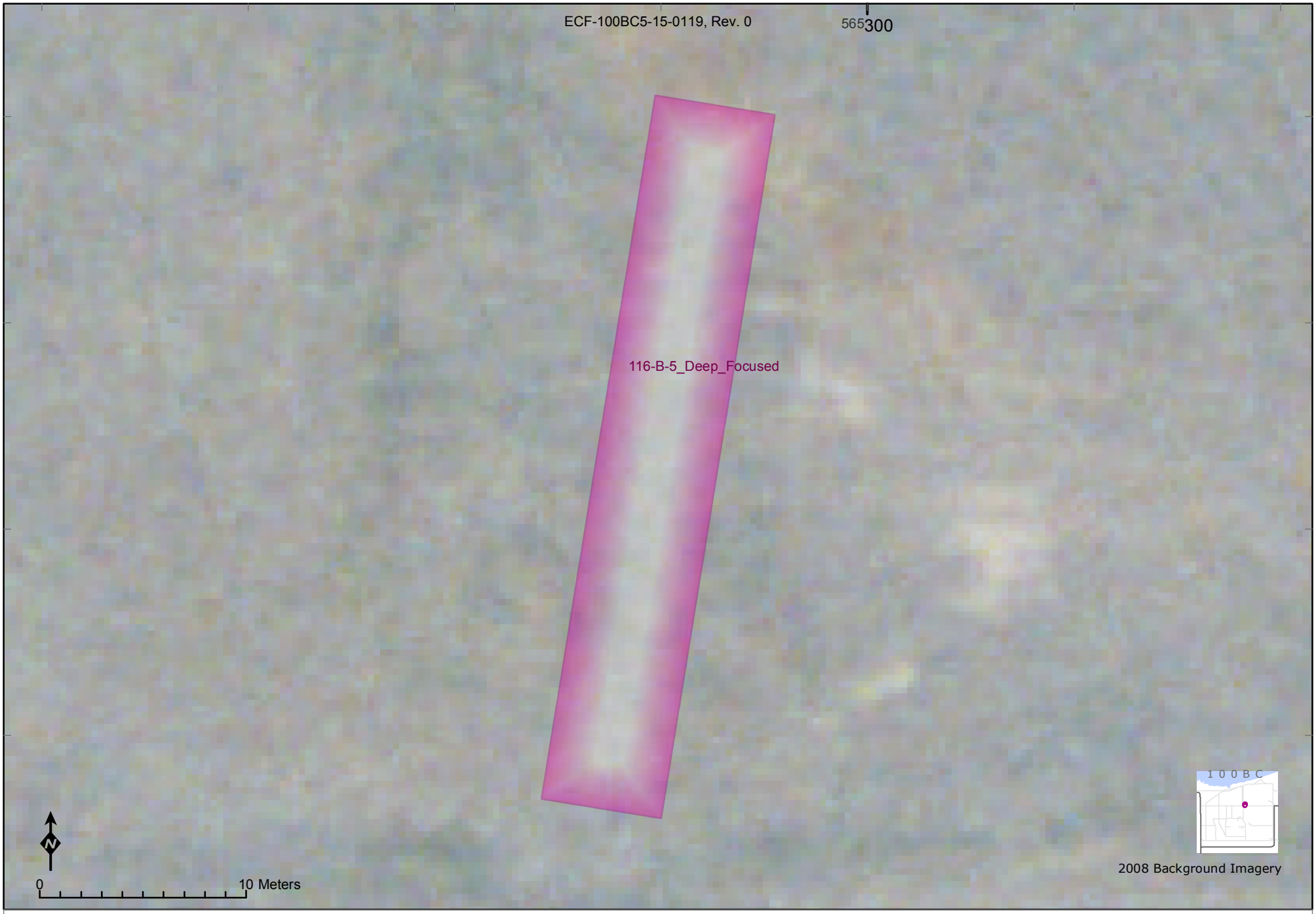


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-3_Shallow	**5.2**	134	**6.5**	2	13	2.6	8

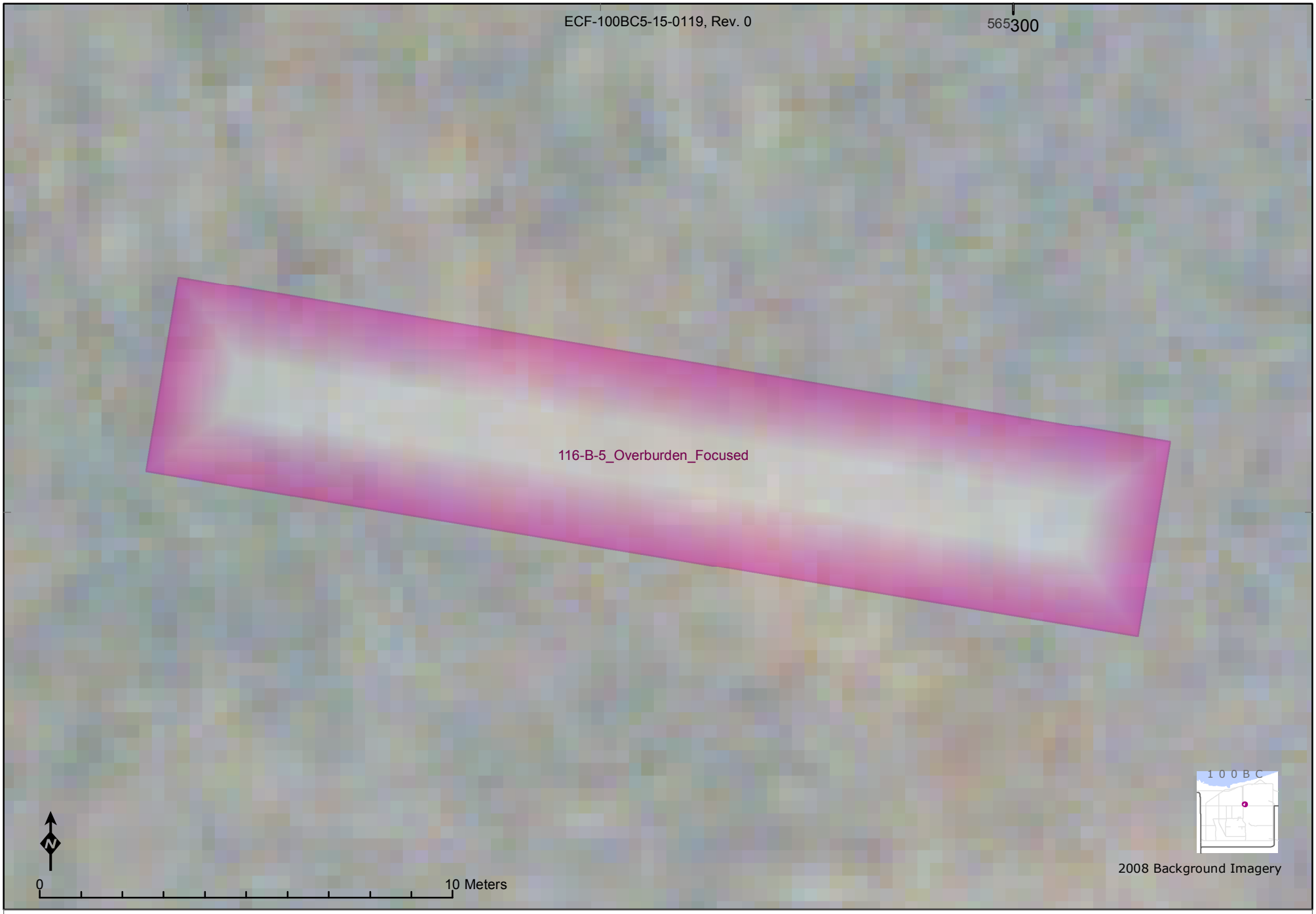


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-4_Deep	**22.9**	**38.9**	5	43	11.2	42

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)	
116-B-4_Shallow	**16.4**	136 **10**	7	85	0.9	34	

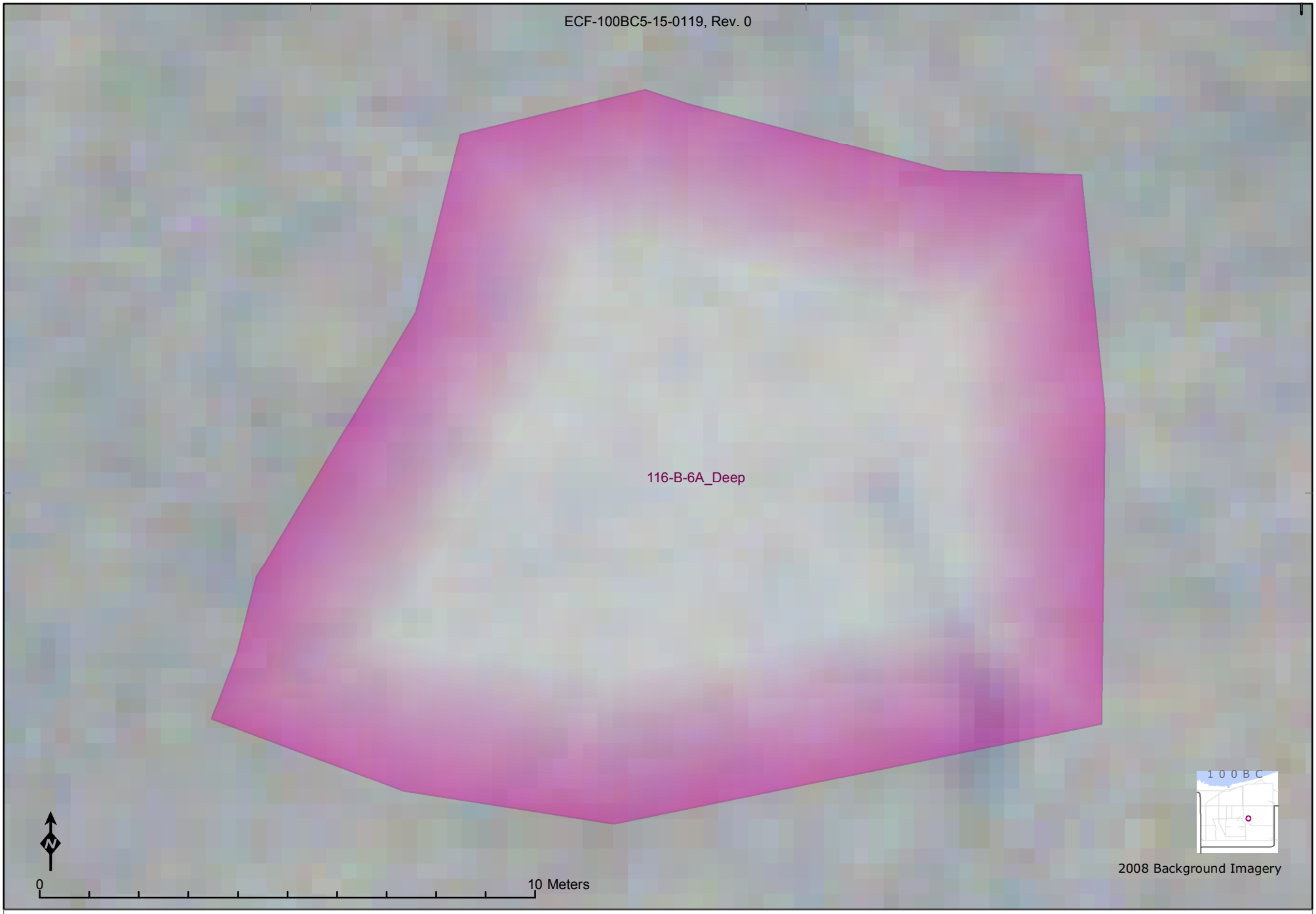


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-5_Deep_Focused	**8**	137	**18.5**	11	11	3.1	35

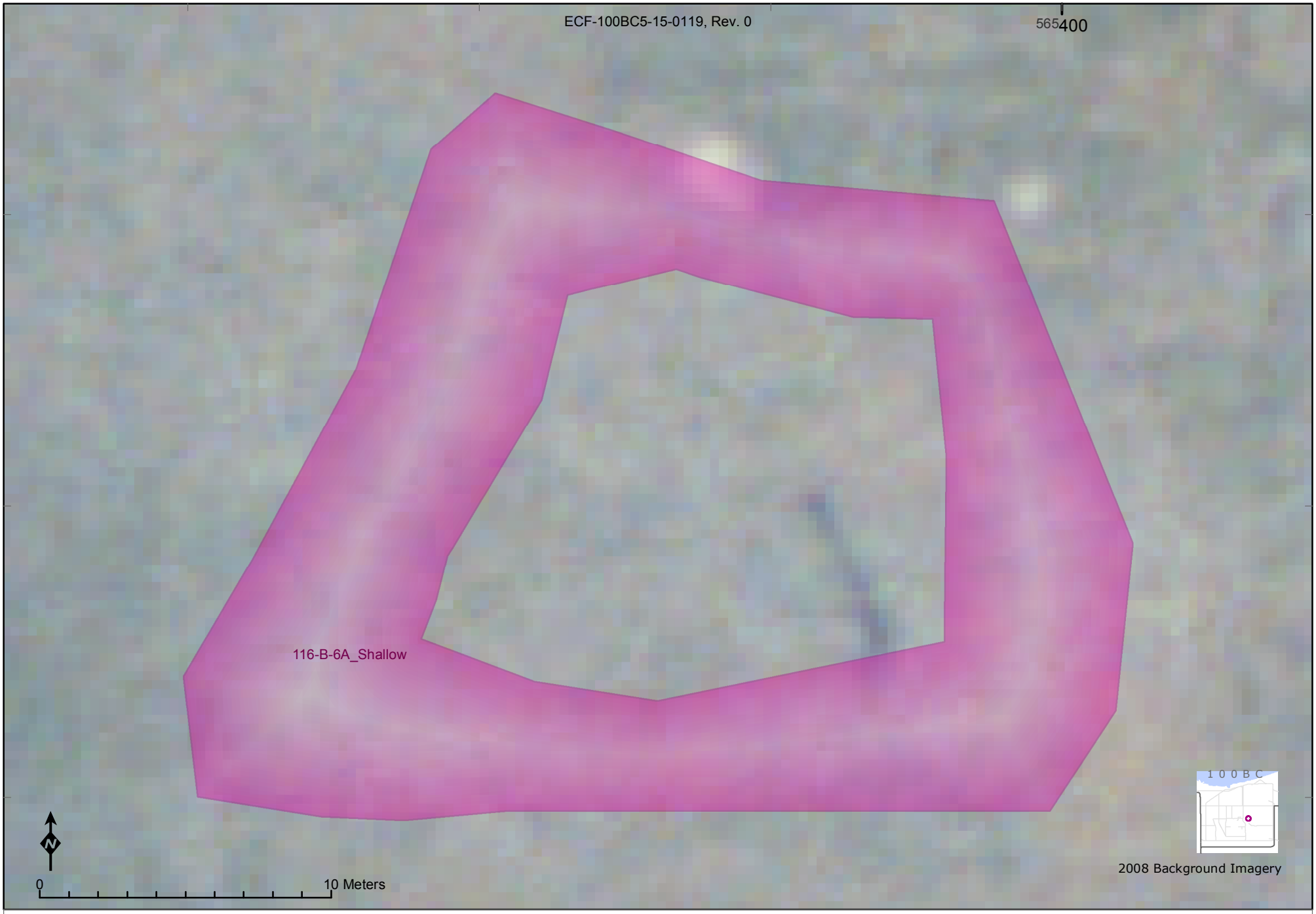


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-5_Overburden_Focused	**6.1**	138	**4.8**	0	24	4.8	5

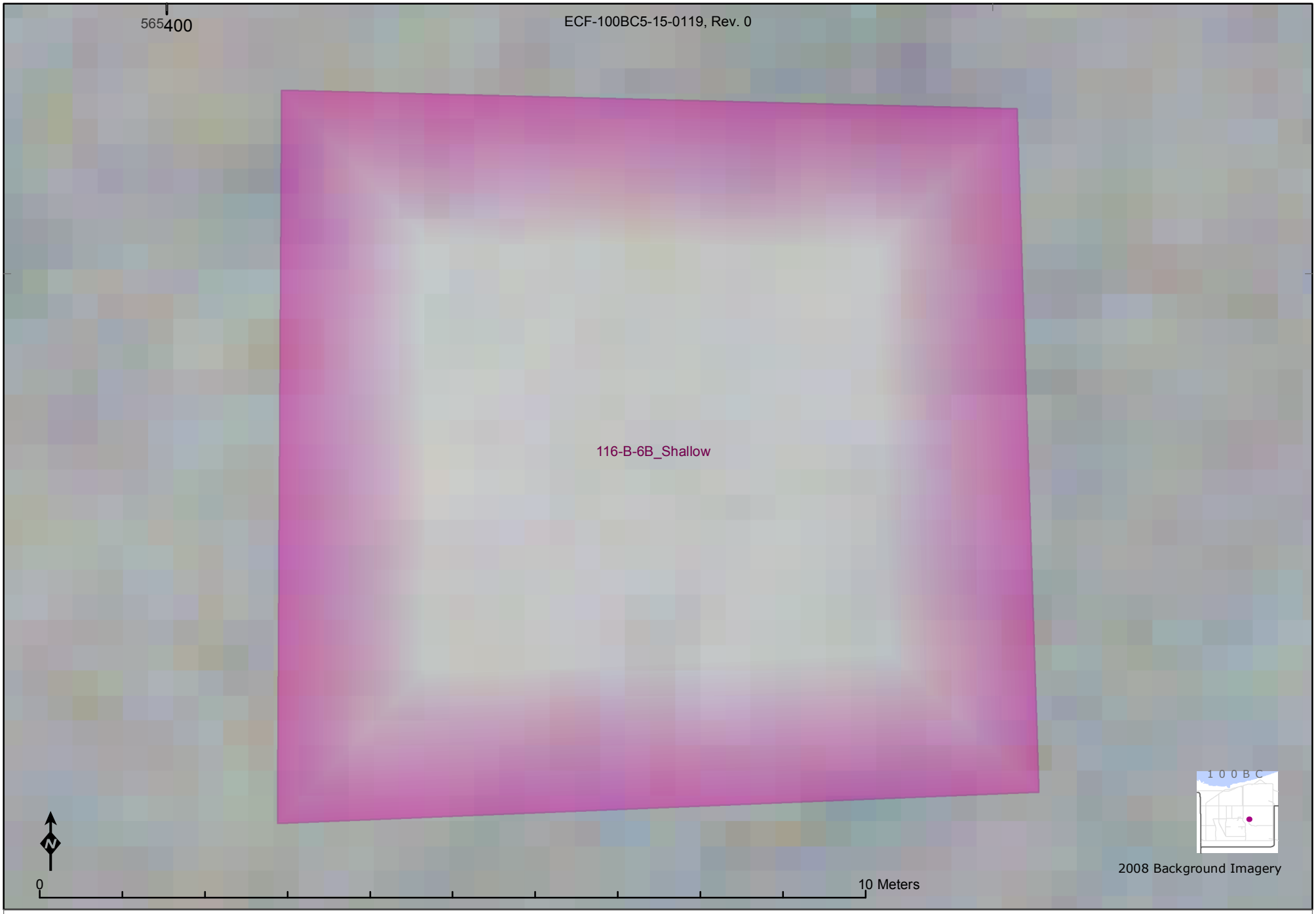
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-5_Shallow_Focused	**8.8**	139	**37.6**	16	6	4.4	44



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-6A_Deep	**8**	140	**11**	4	18	2.4	15



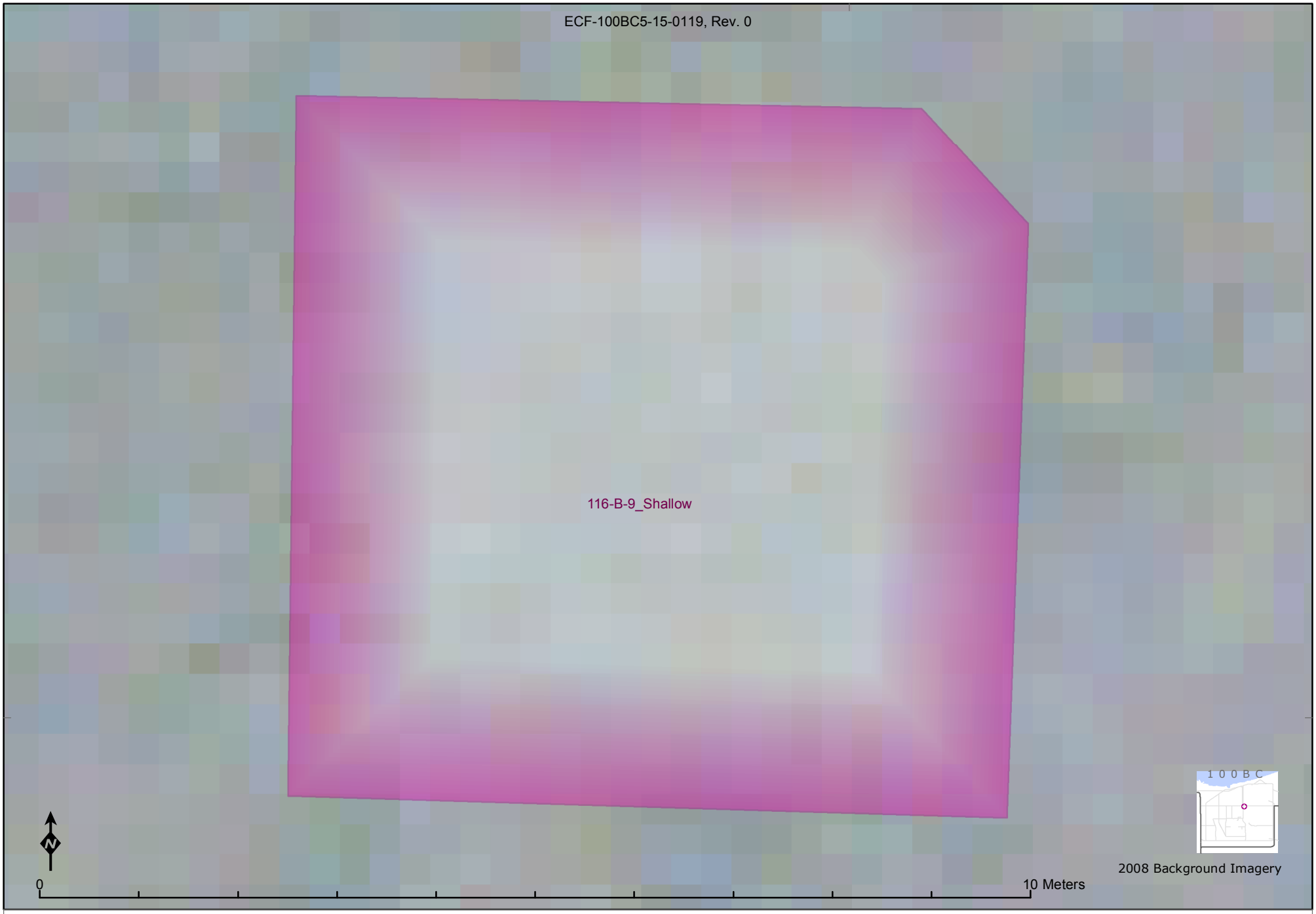
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-6A_Shallow	**11.3**	141	**7.9**	5	51	1.5	22



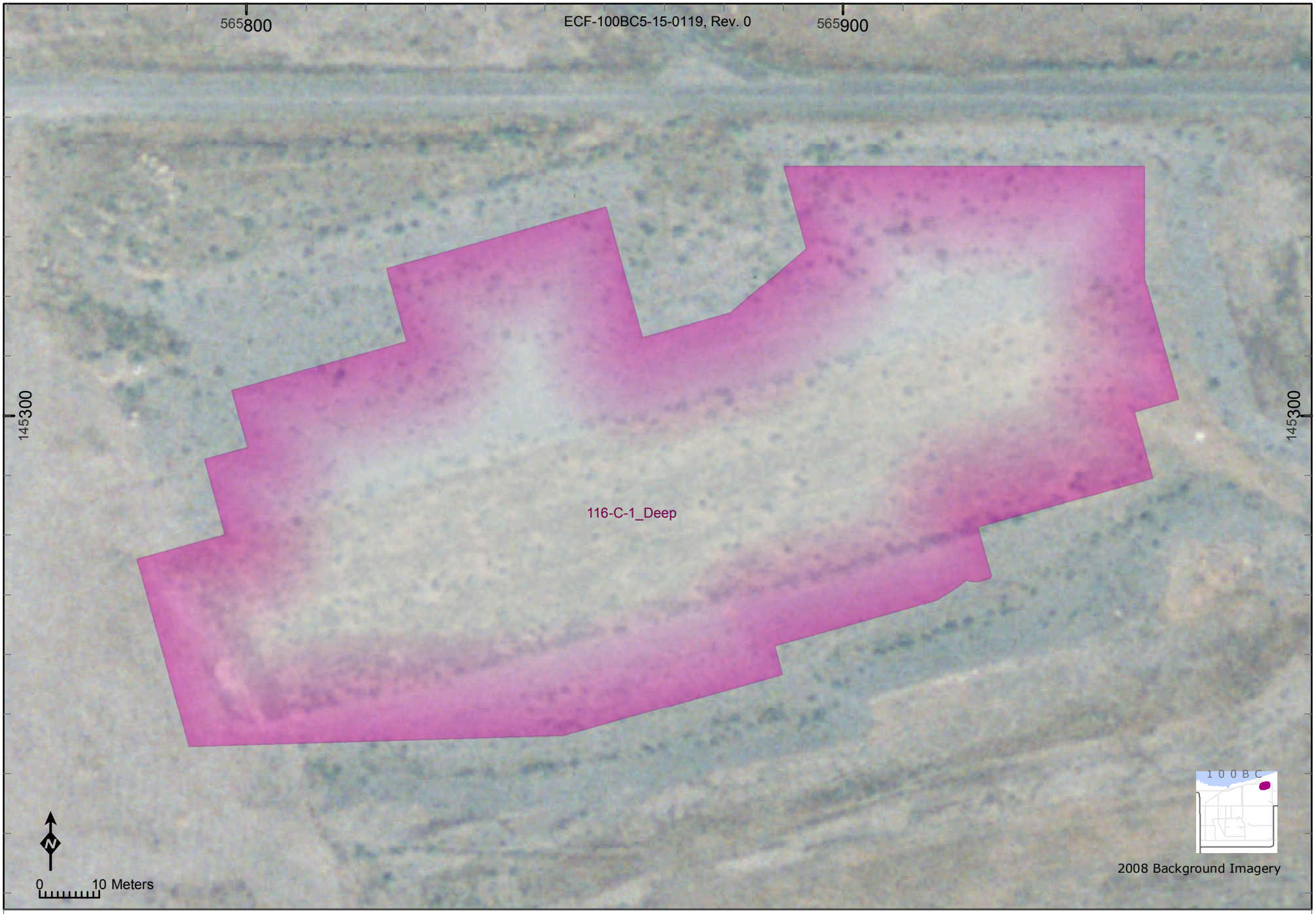
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-6B_Shallow	**5**	142	**8.6**	0	9	8.3	9

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-7, 132-B-6, 132-C-2_Deep	**8.3**	143	**12.7**	9	17	0.4	30

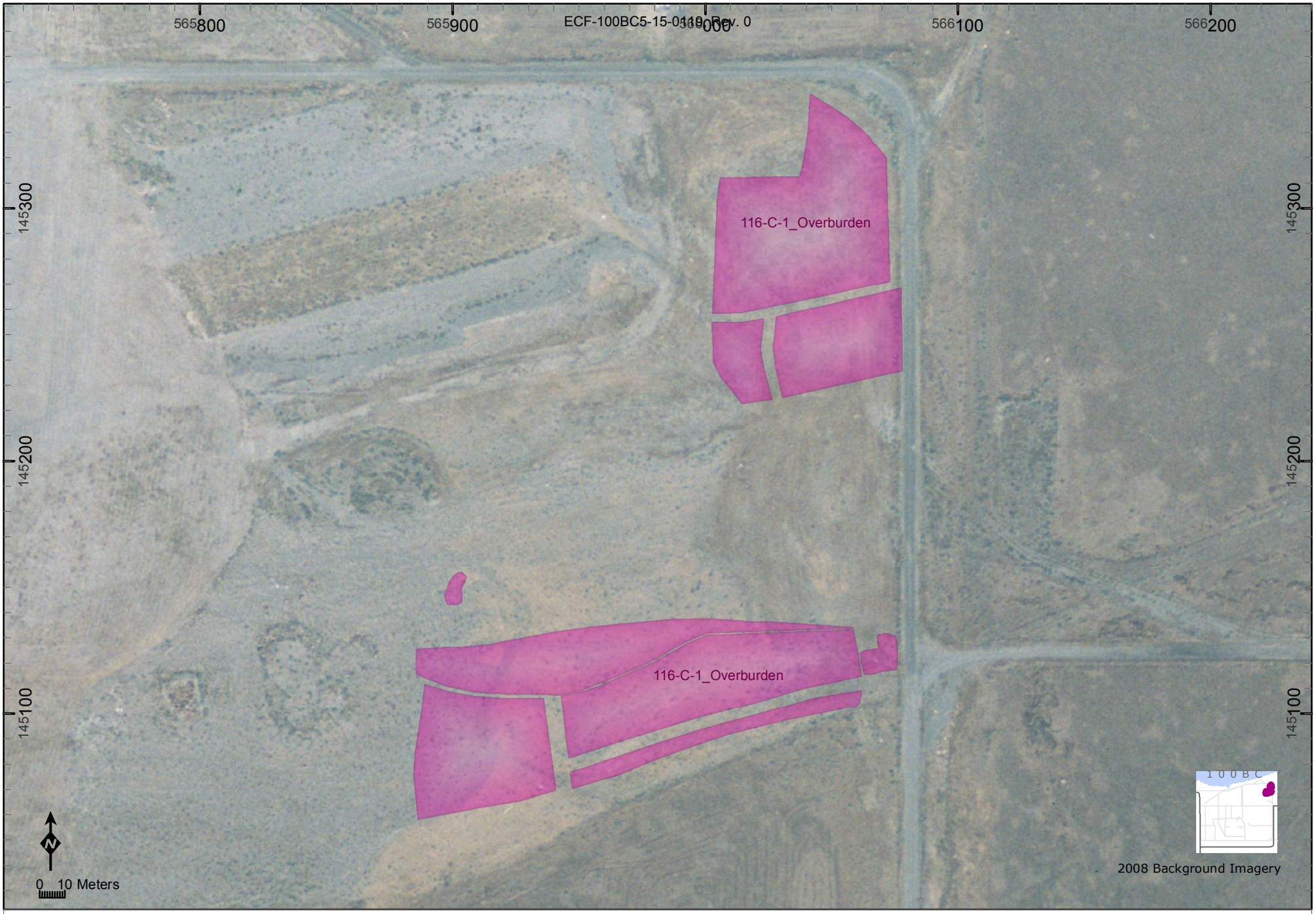
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-7, 132-B-6, 132-C-2_Shallow	**21.3**	**20.9**	11	68	0.8	46



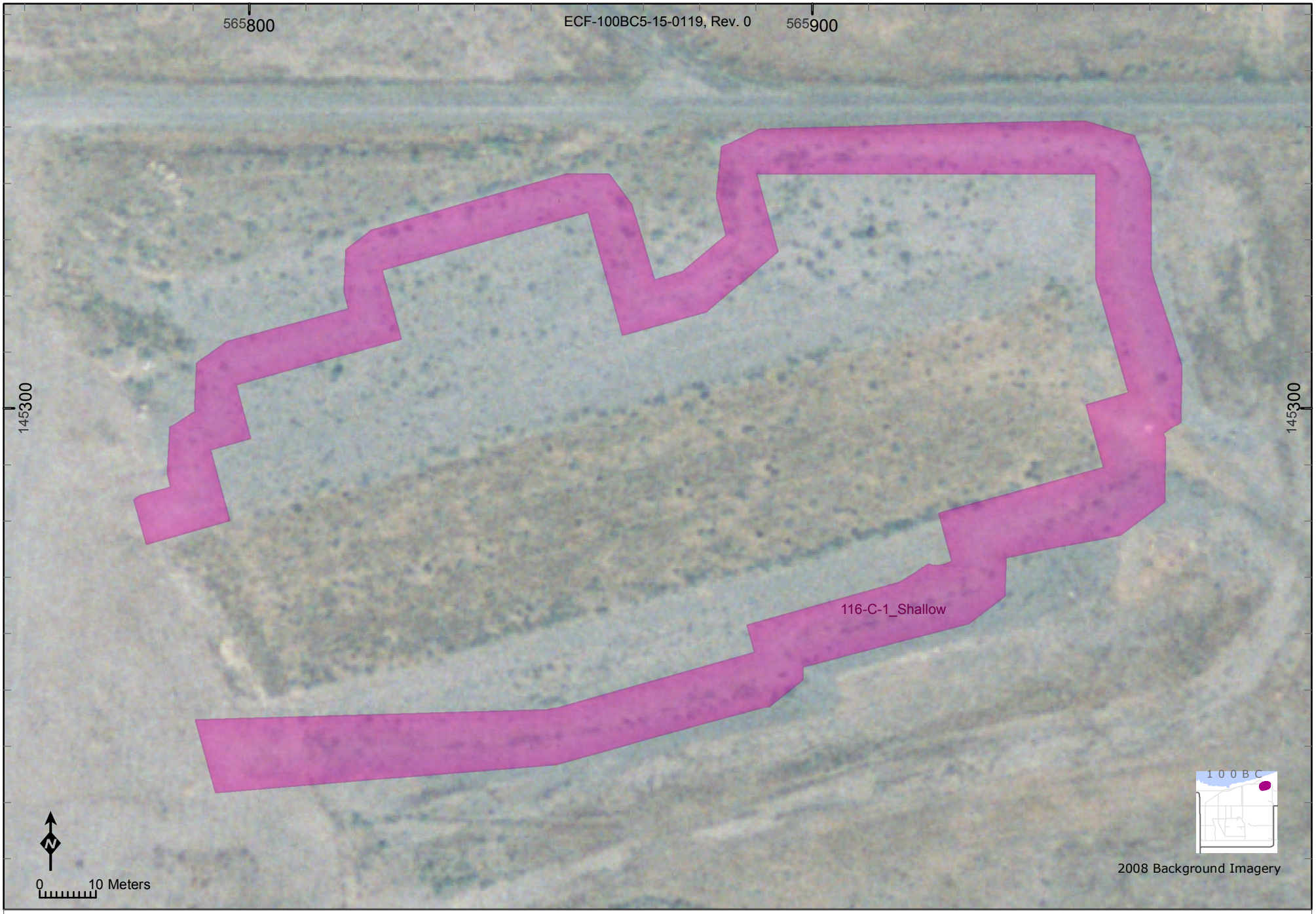
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-B-9_Shallow	**4**	145	**7.1**	0	7	6.8	7



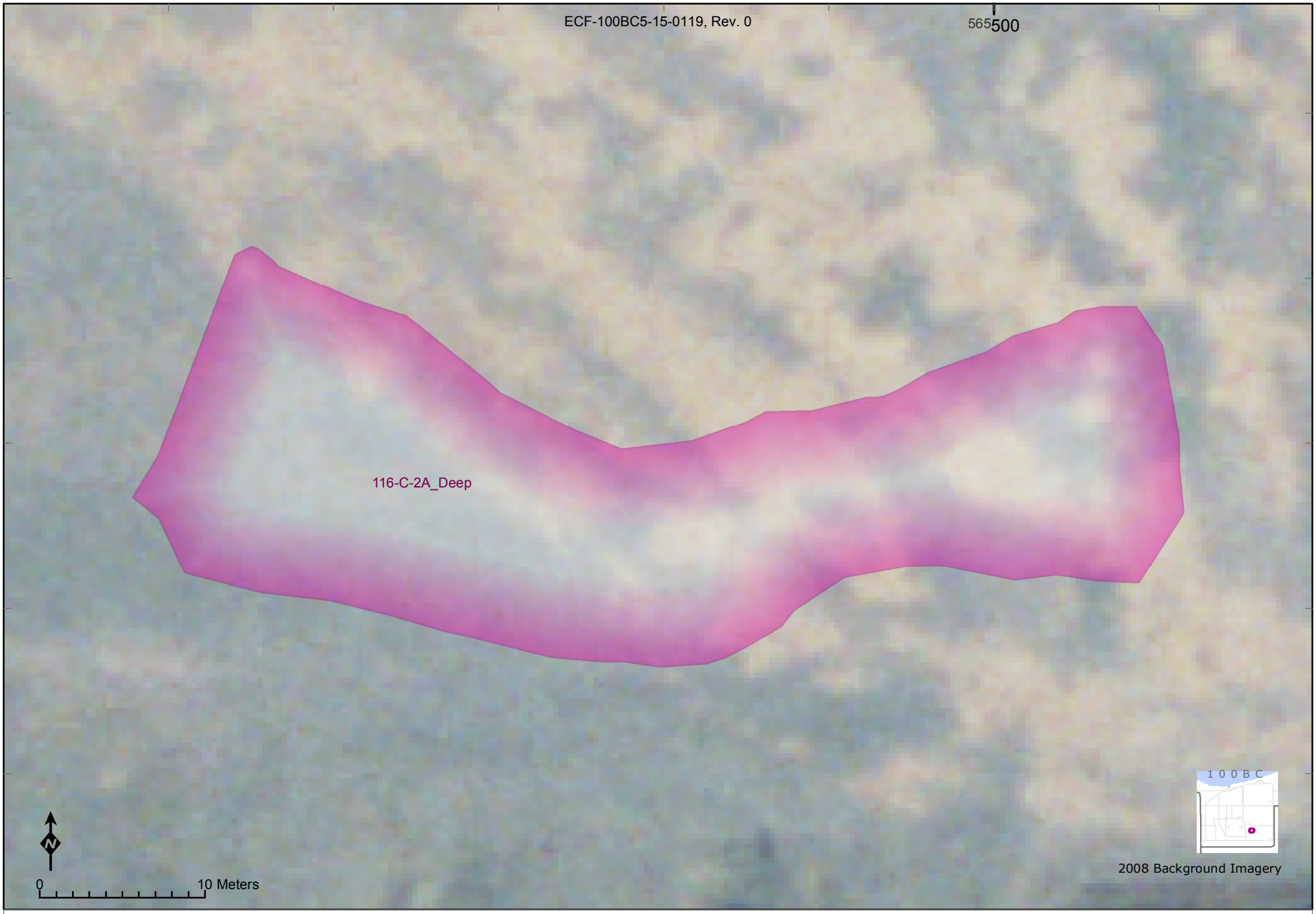
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-C-1_Deep	**59.5**	146	**57.5**	25	193	0.5	87



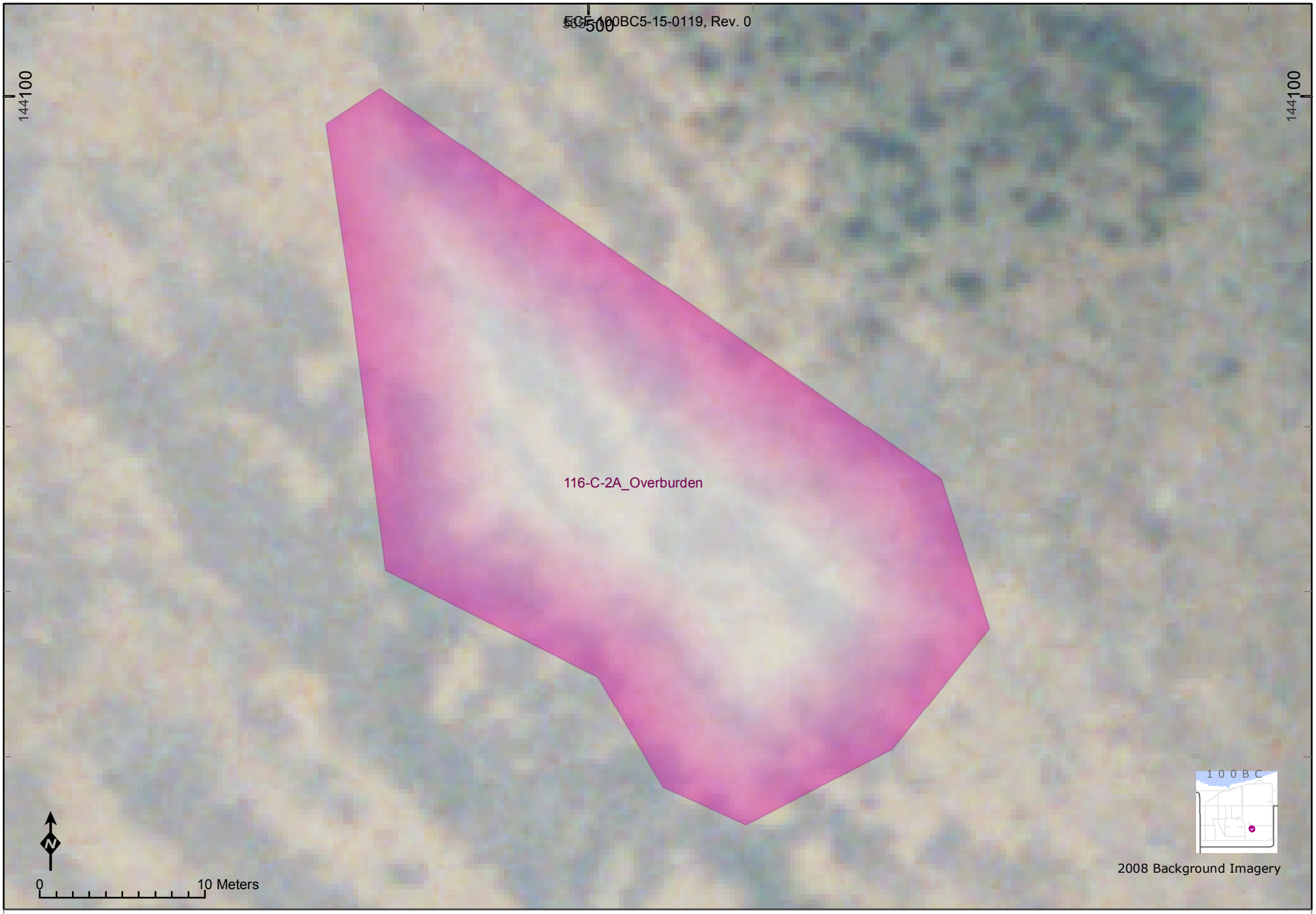
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-C-1_Overburden	**68.1**	**23**	18	632	0	80



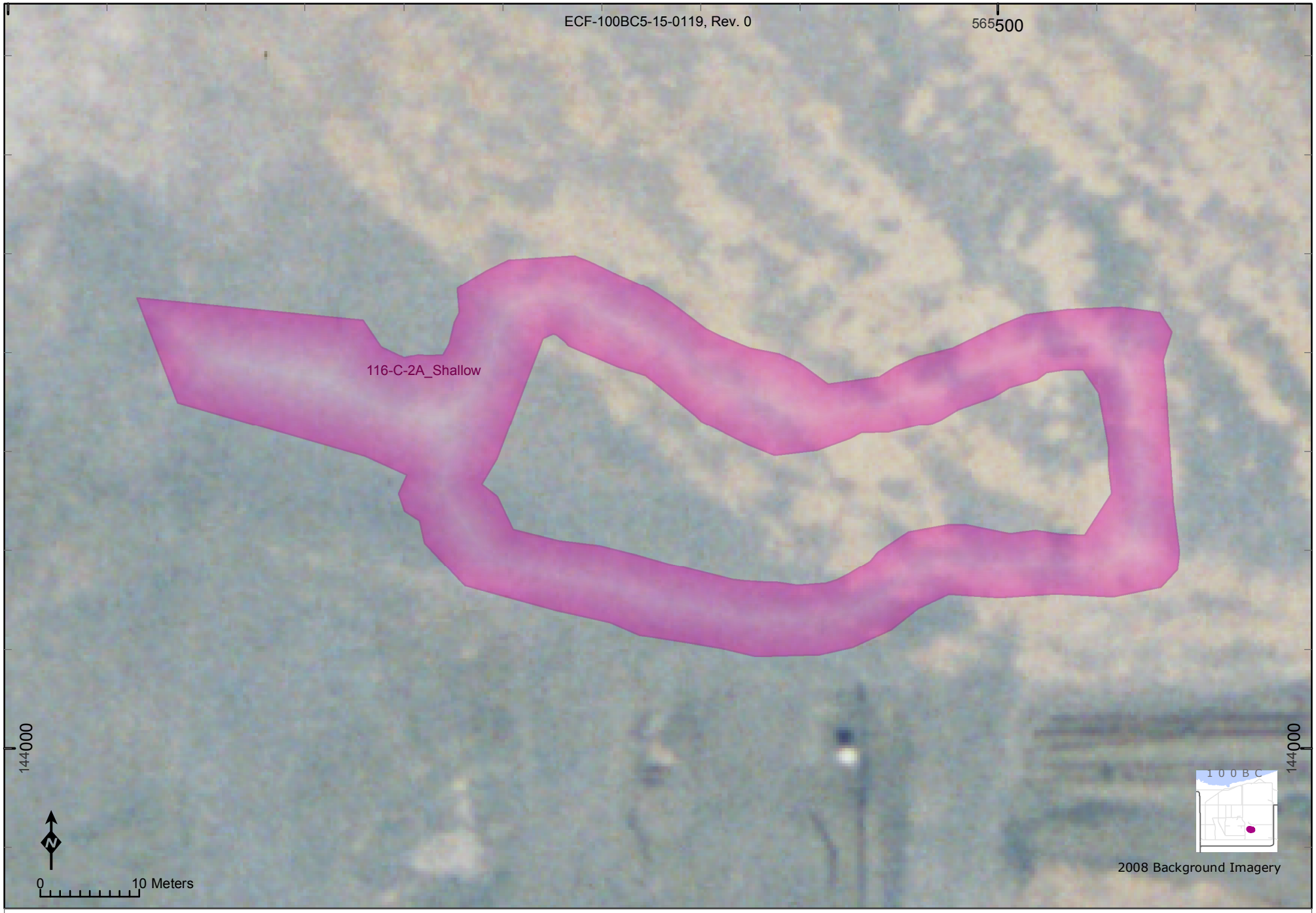
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-C-1_Shallow	**38.2**	148 **12.3**	8	374	0.8	69



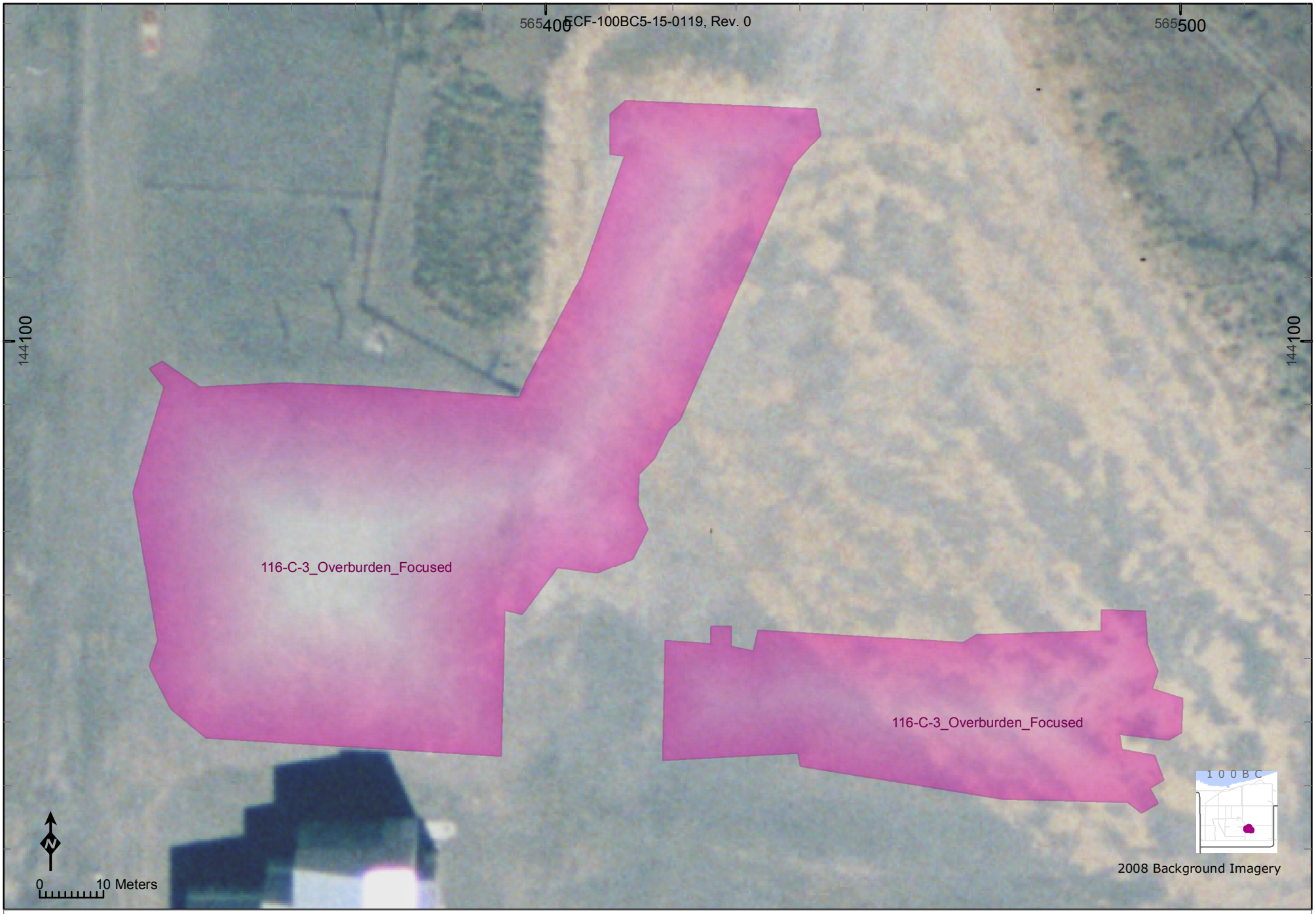
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-C-2A_Deep	**17**	149	**14.2**	4	64	0.4	21



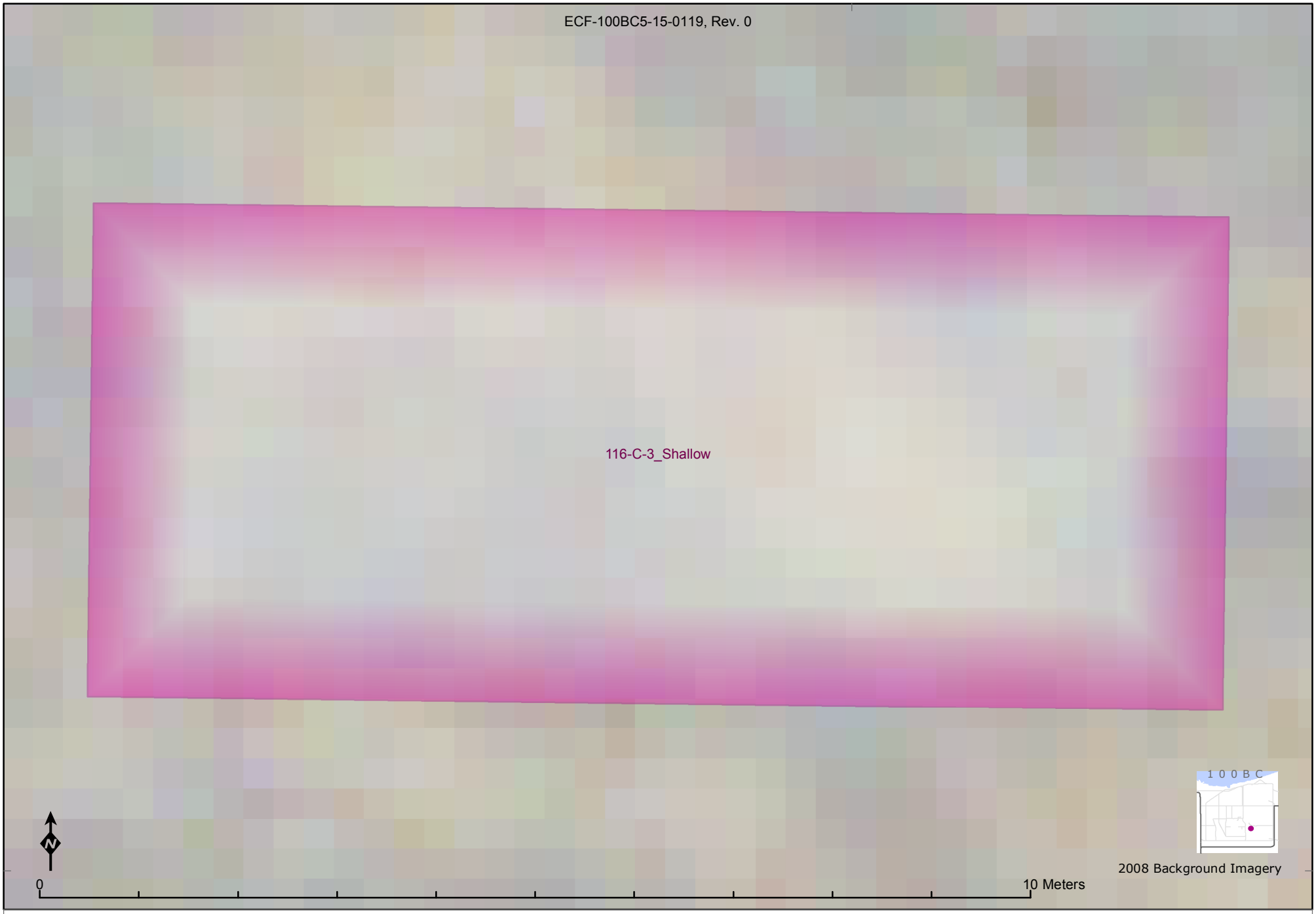
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-C-2A_Overburden	**17.3**	**23.6**	8	40	1.2	30



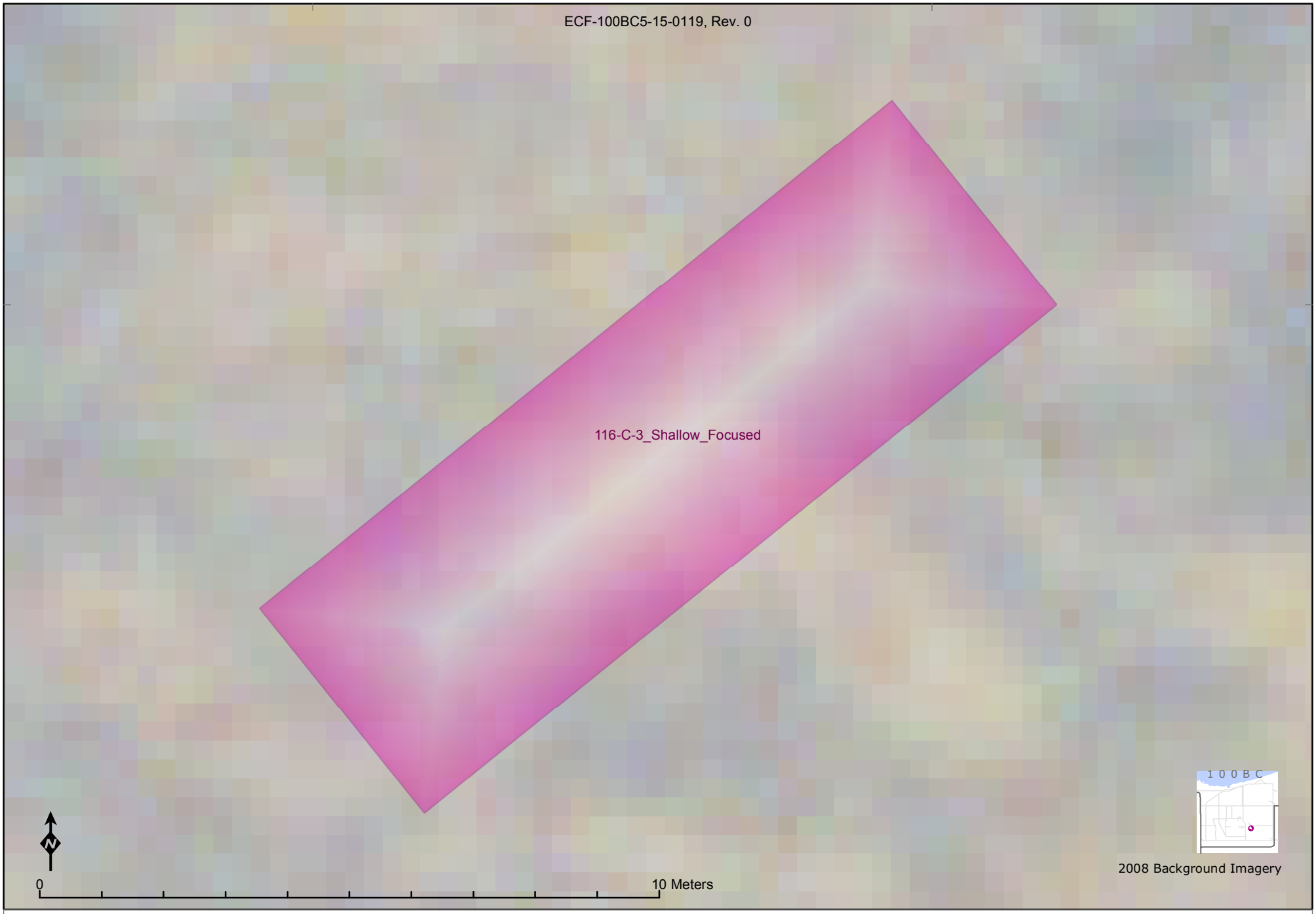
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-C-2A_Shallow	**23.1**	151	**9.8**	5	171	2.3	31



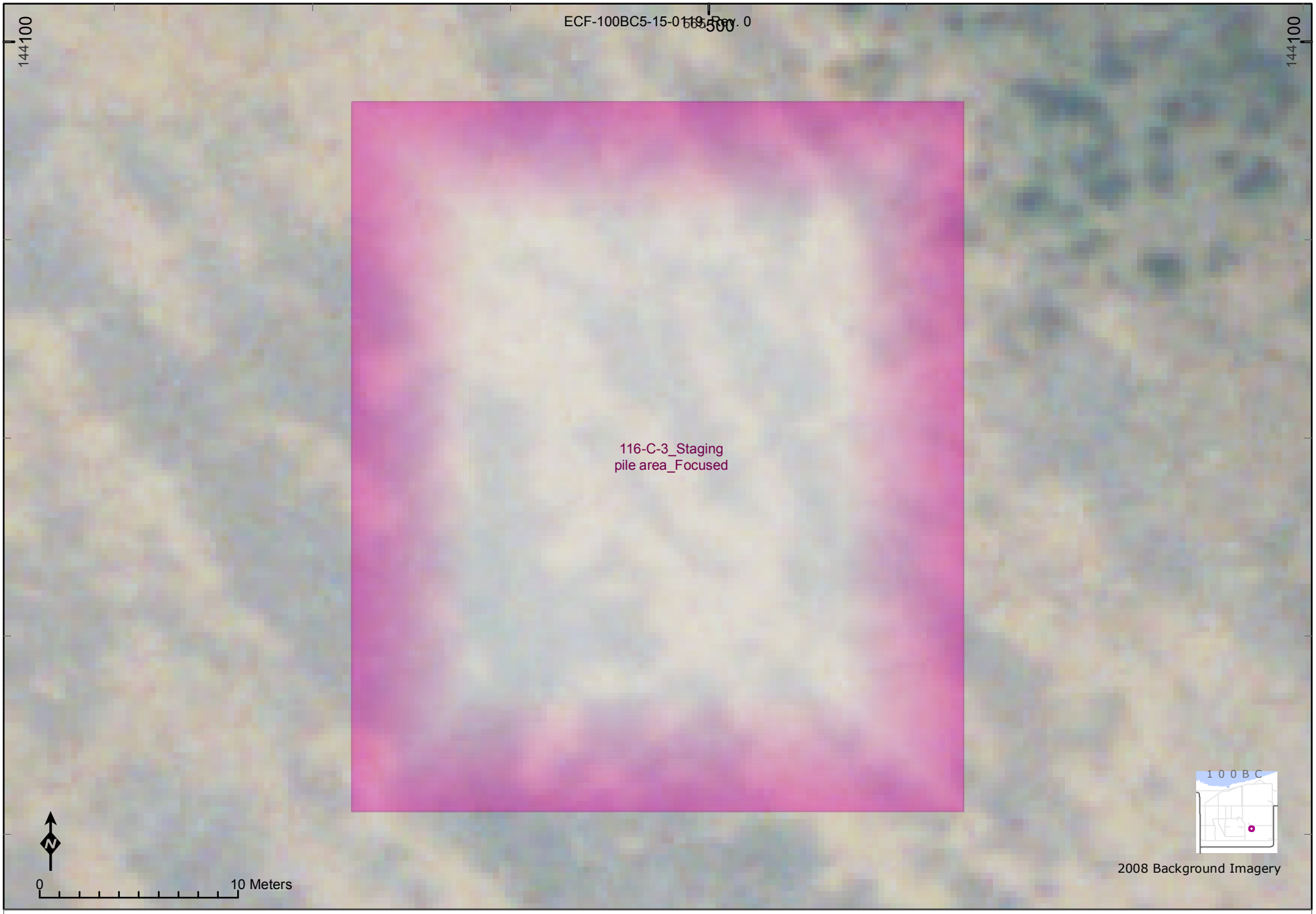
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-C-3_Overburden_Focused	**46.8**	152	**33.4**	19	206	0.3	72



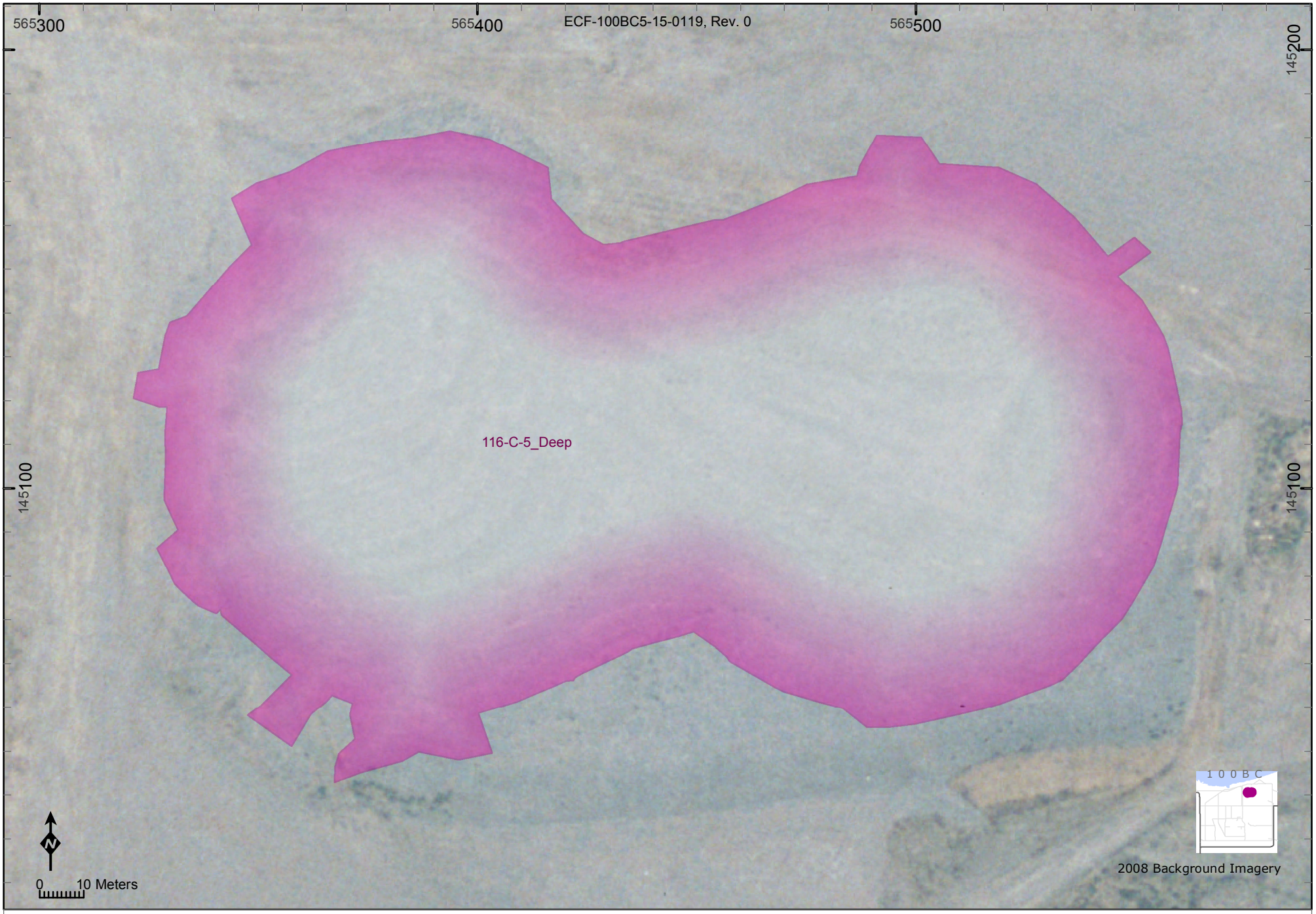
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-C-3_Shallow	**4.3**	153	**5**	0	11	5	5



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-C-3_Shallow_Focused	**4.2**	154	**4.6**	1	12	1.7	5



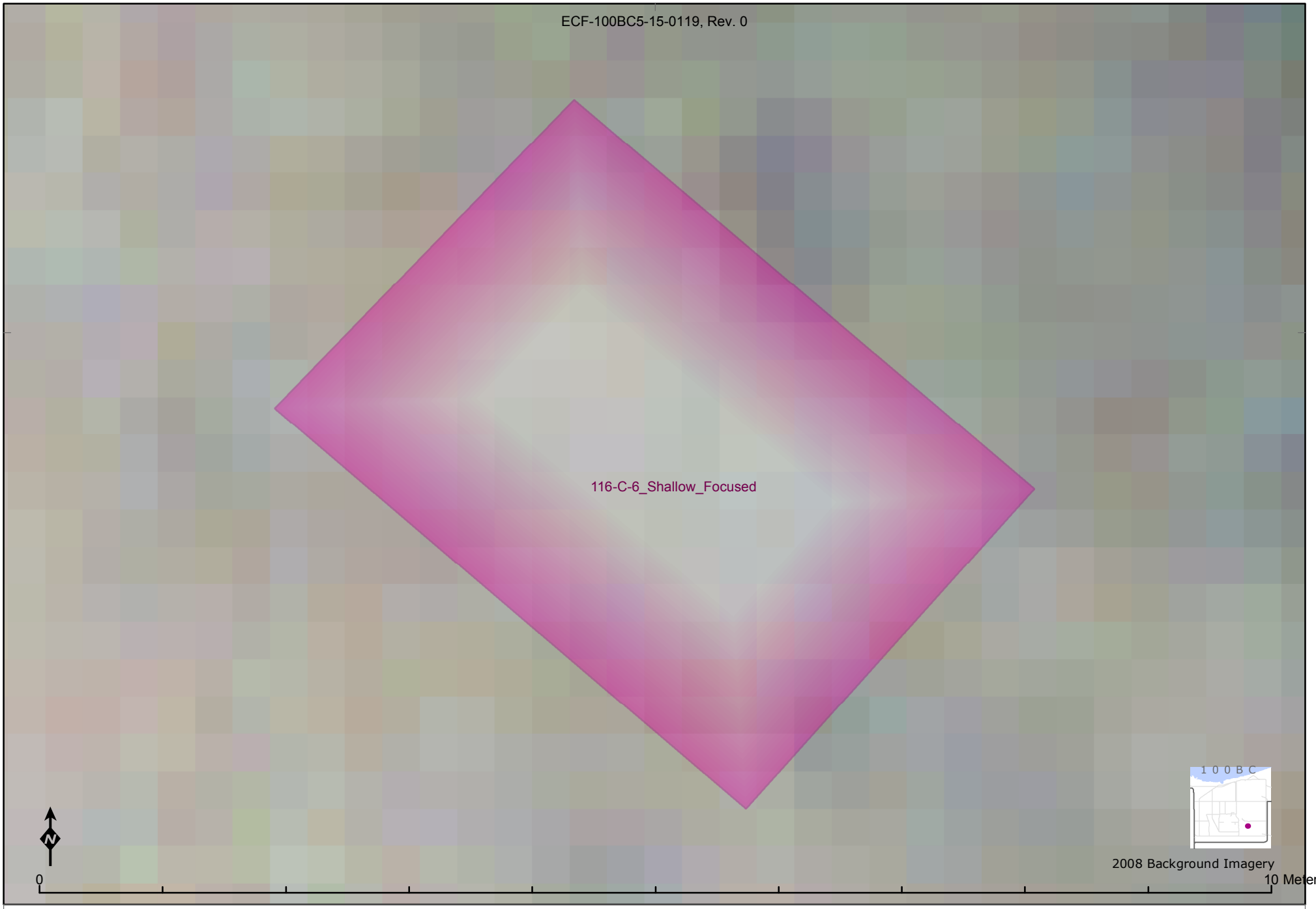
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-C-3_Staging pile area_Focused	**18.8**	**35.8**	0	31	35.8	36



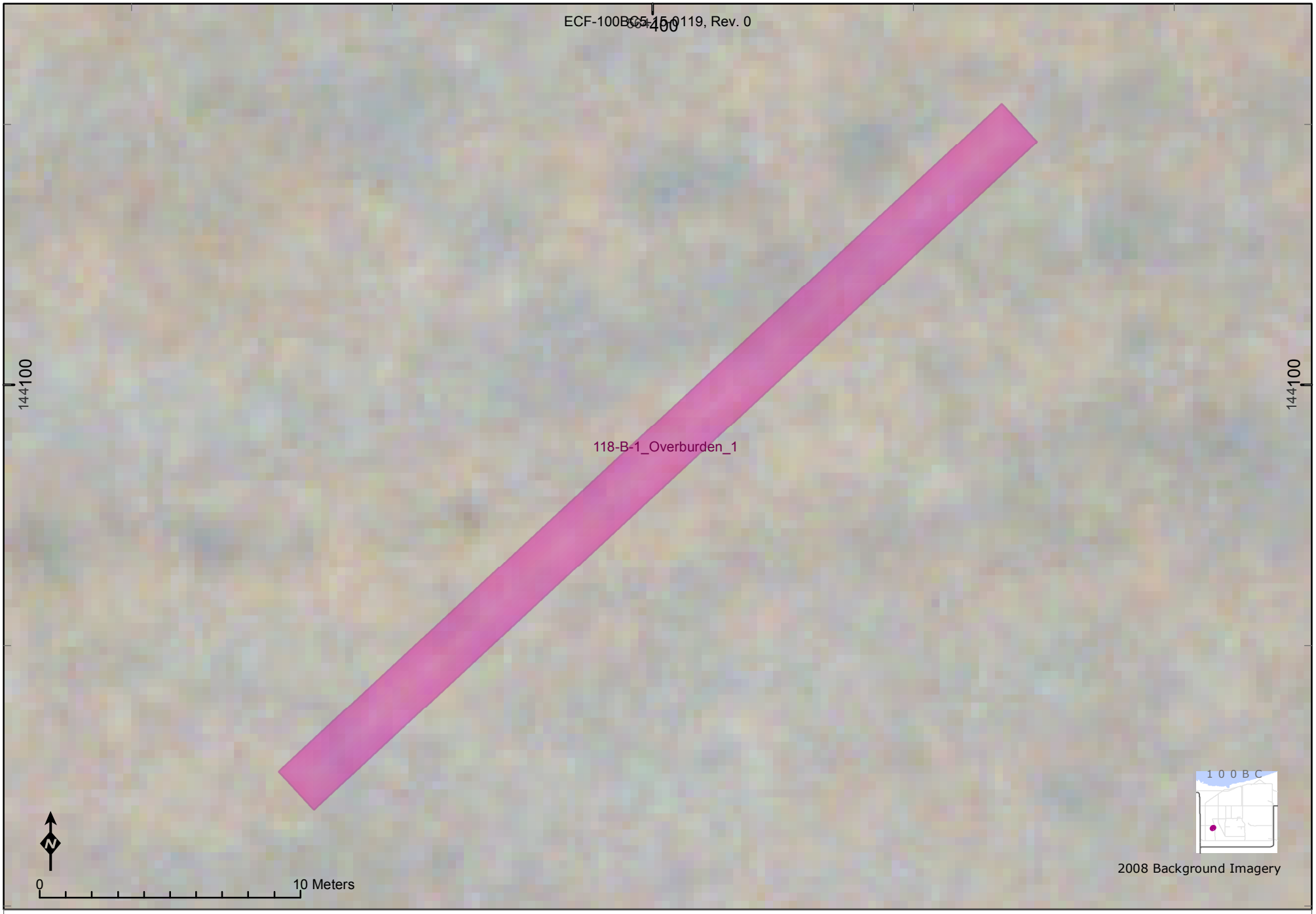
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-C-5_Deep	**90.4**	156	**93.1**	45	276	0.3	144

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-C-5_Overburden	**58.1**	157	**20.2**	10	525	0.3	42

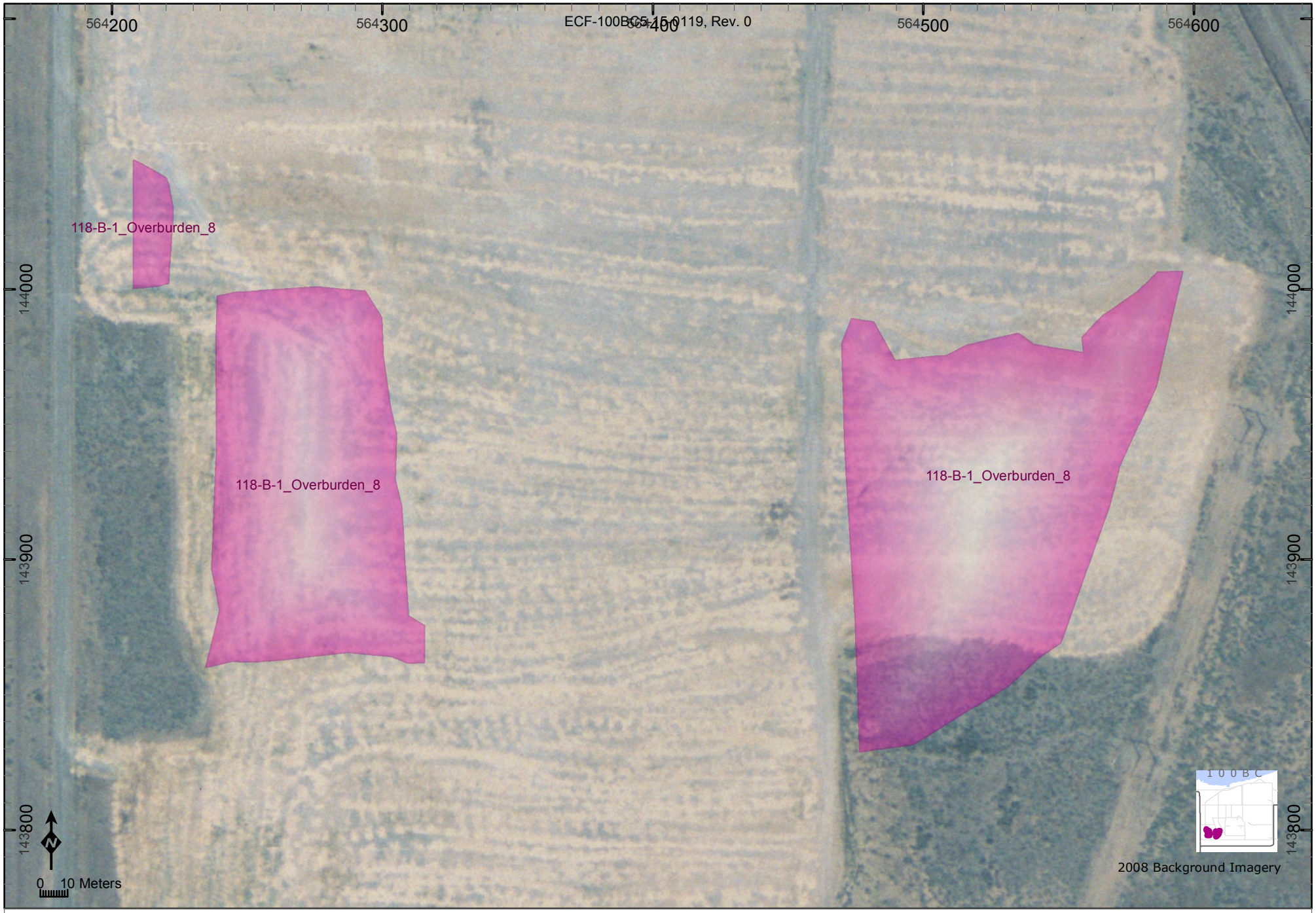
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-C-5_Shallow	**40.3**	158	**10.4**	8	490	0	66



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
116-C-6_Shallow_Focused	**2.3**	159	**2.4**	2	7	0.1	5

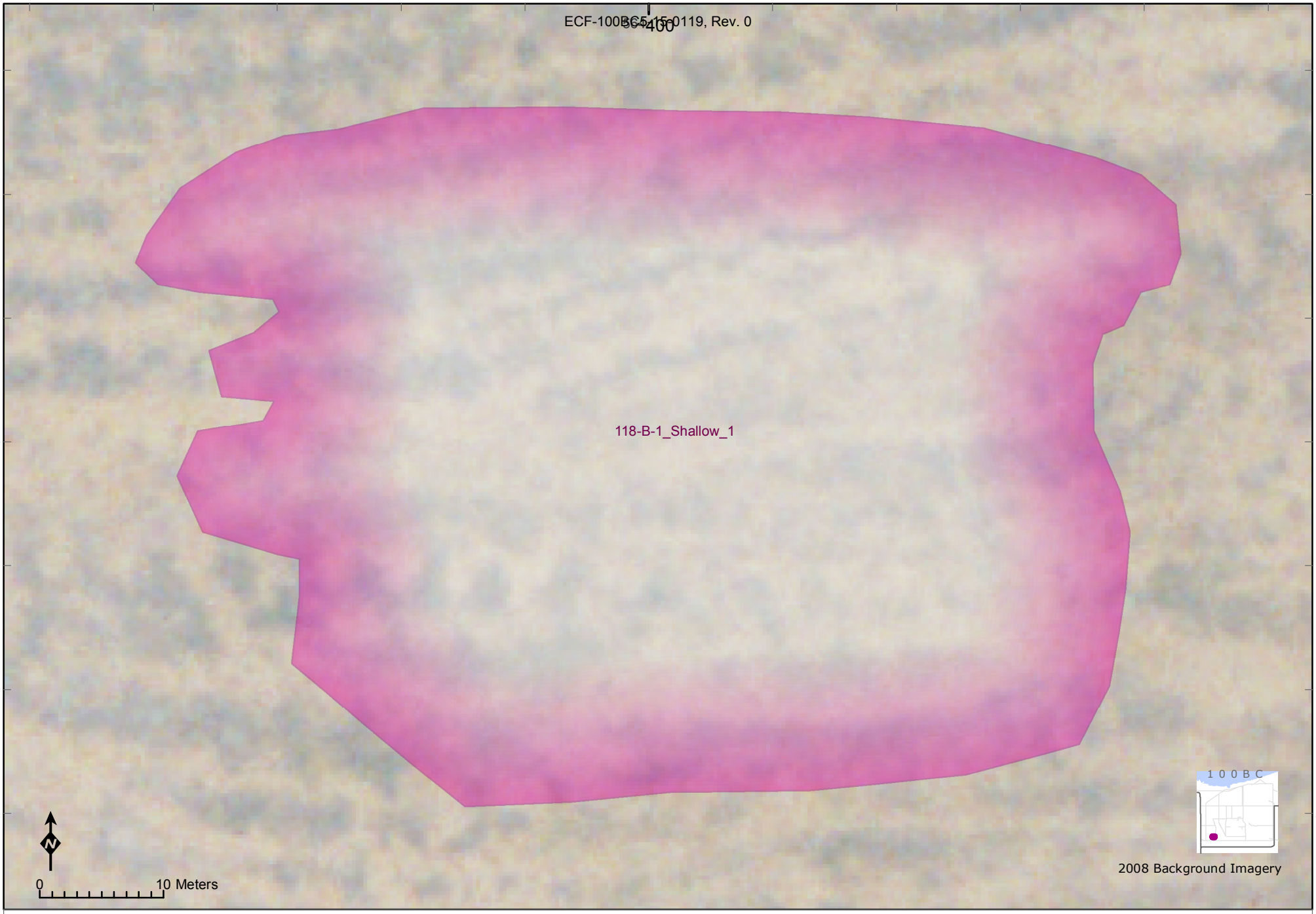


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-1_Overburden_1	**4.9**	**2.6**	0	29	0.7	3

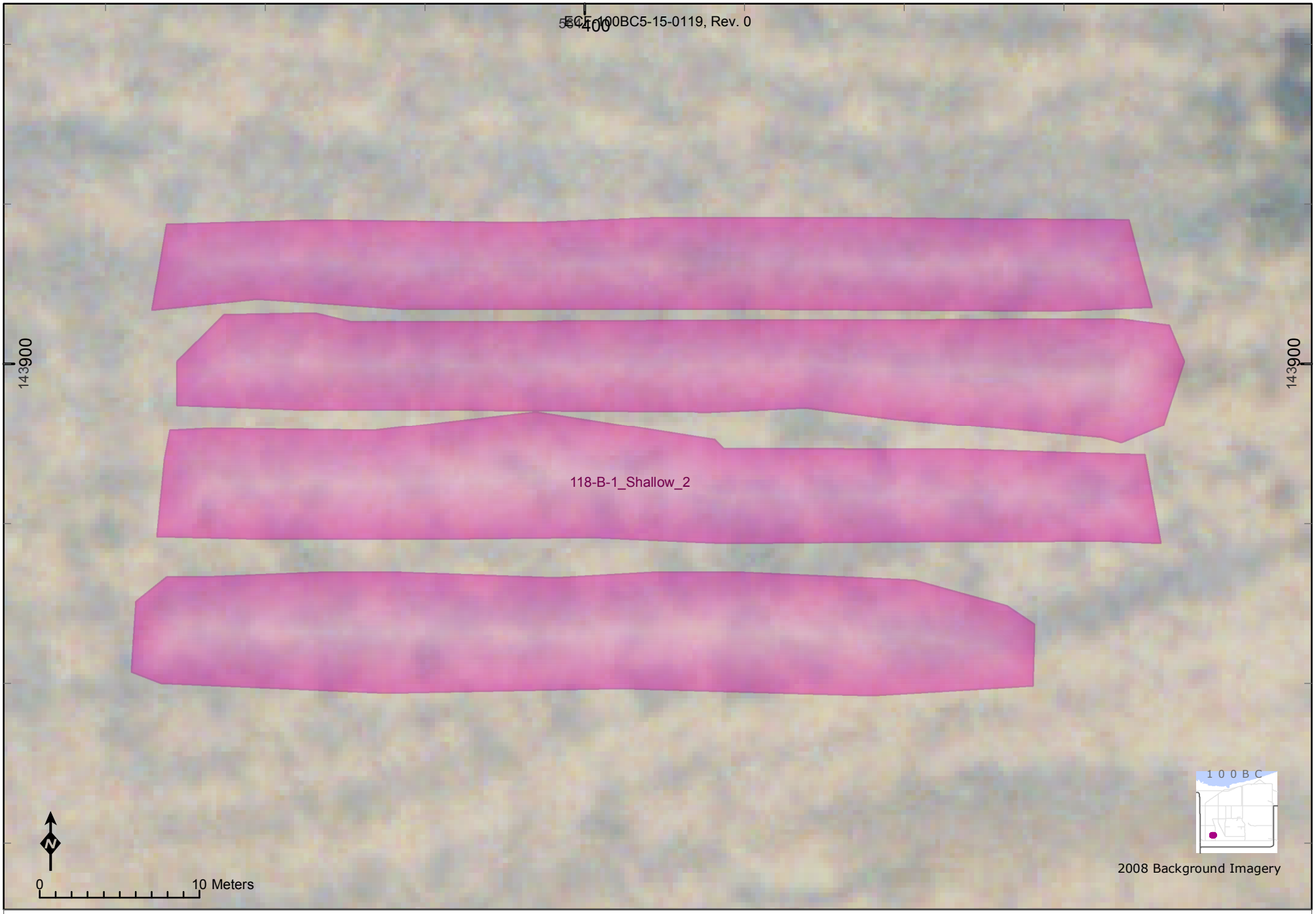


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-1_Overburden_8	**85.7**	161	**101.9**	46	226	0.9	160

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-1_Overburden_9	**74.2**	162	**32.7**	22	529	0.4	82

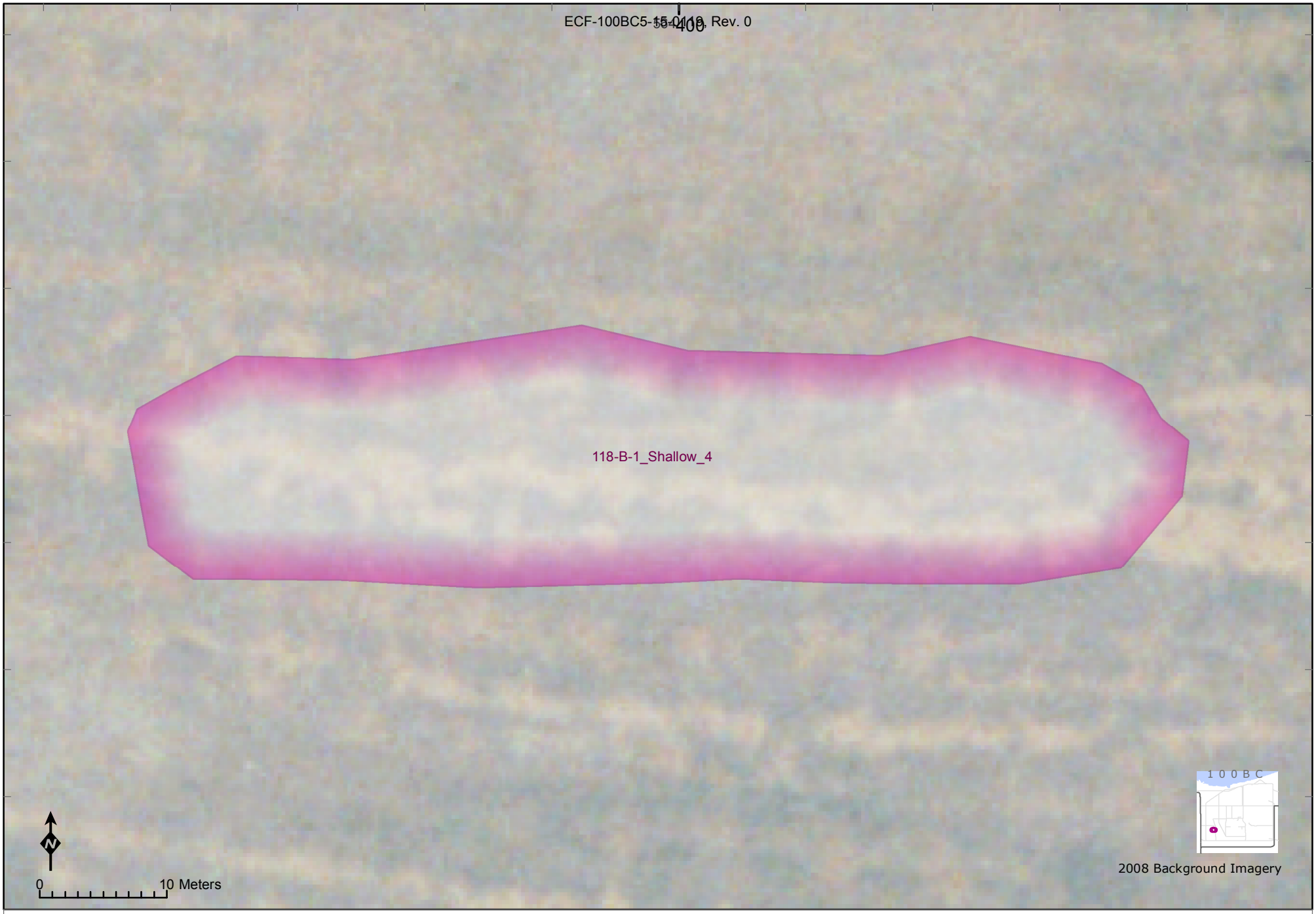


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-1_Shallow_1	**34.7**	163	**37.4**	21	101	0.3	56

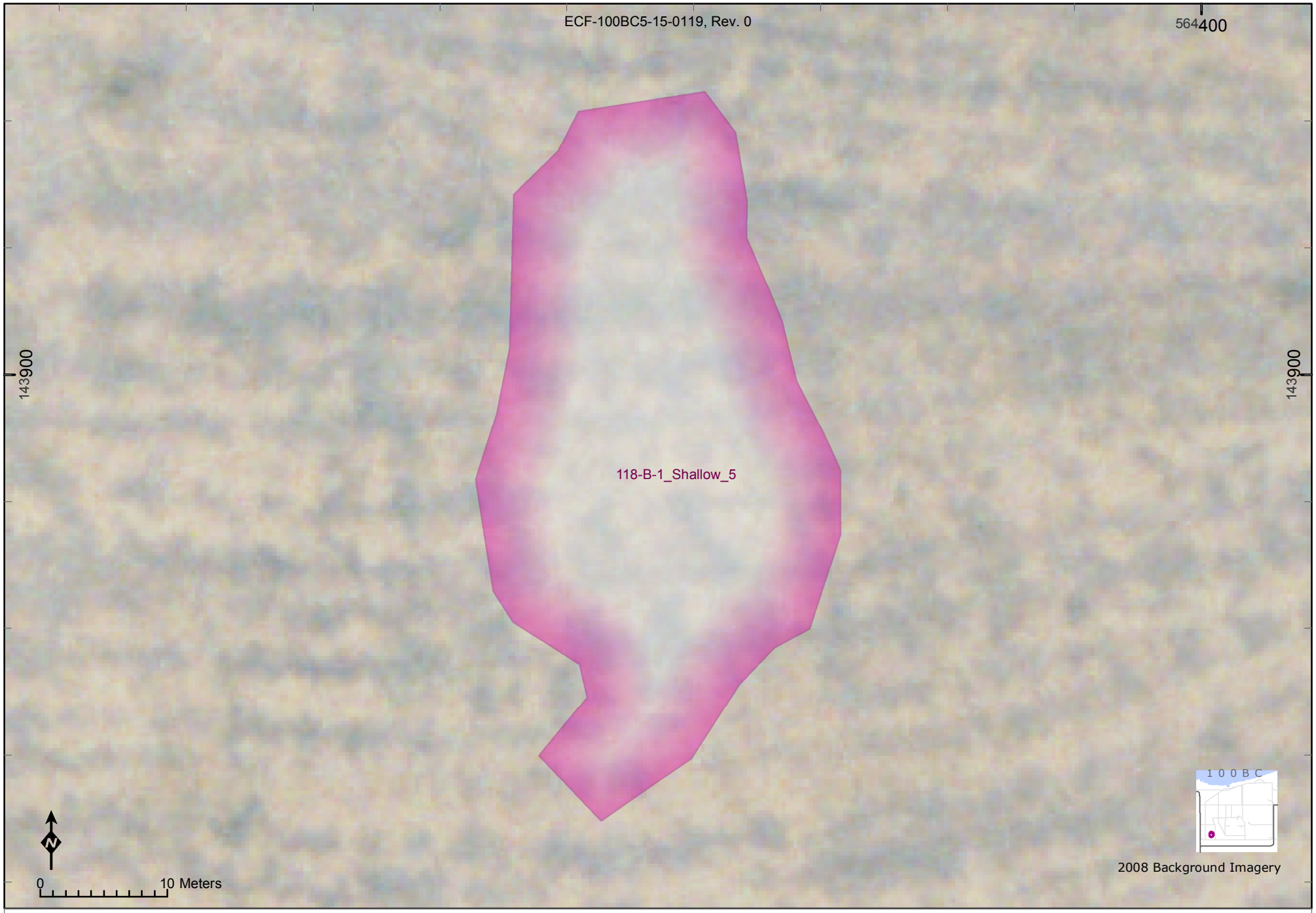


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-1_Shallow_2	**21.9**	164	**6.1**	1	246	0.1	8

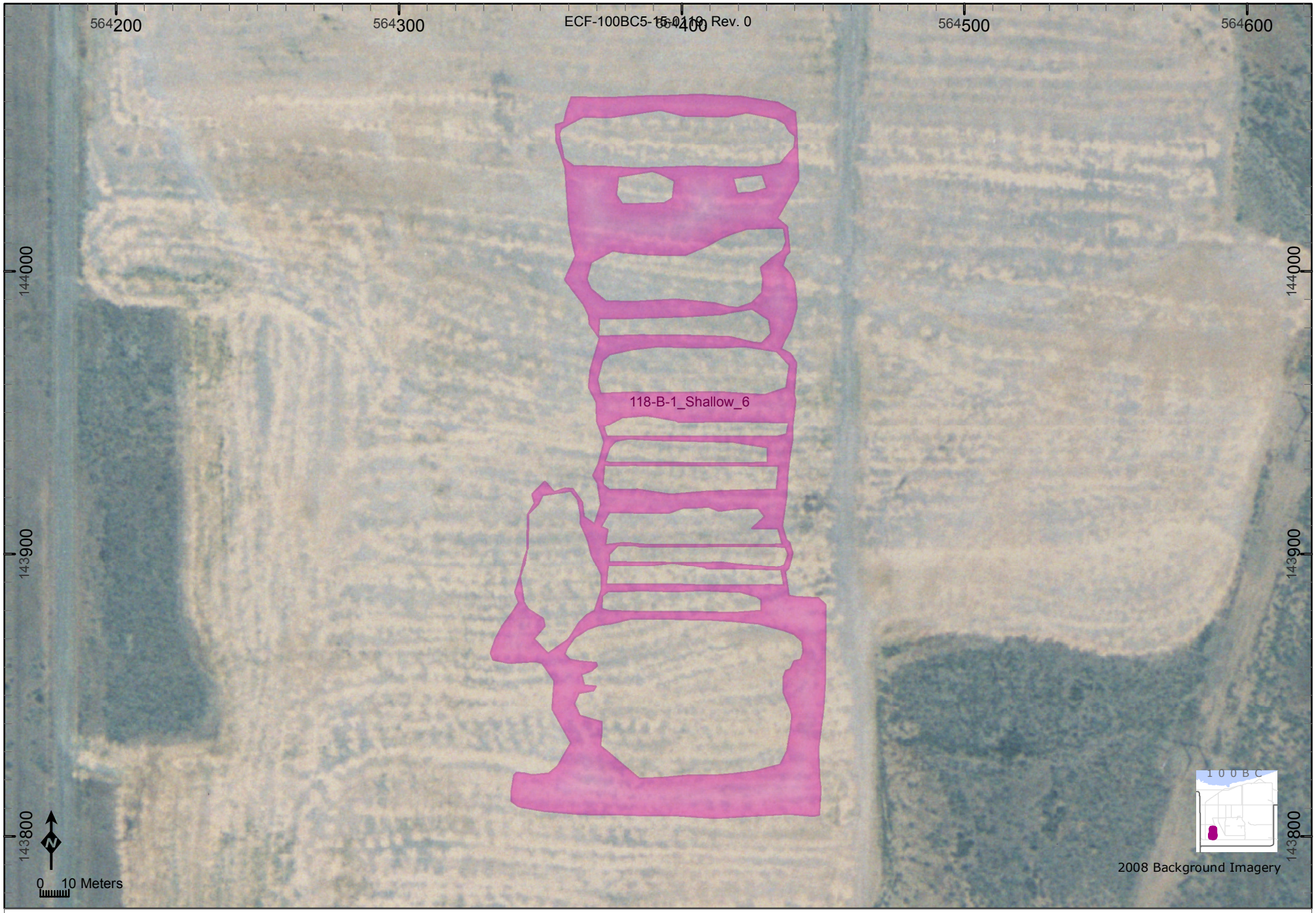
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-1_Shallow_3	**38.4**	**9.8**	5	475	0.5	27



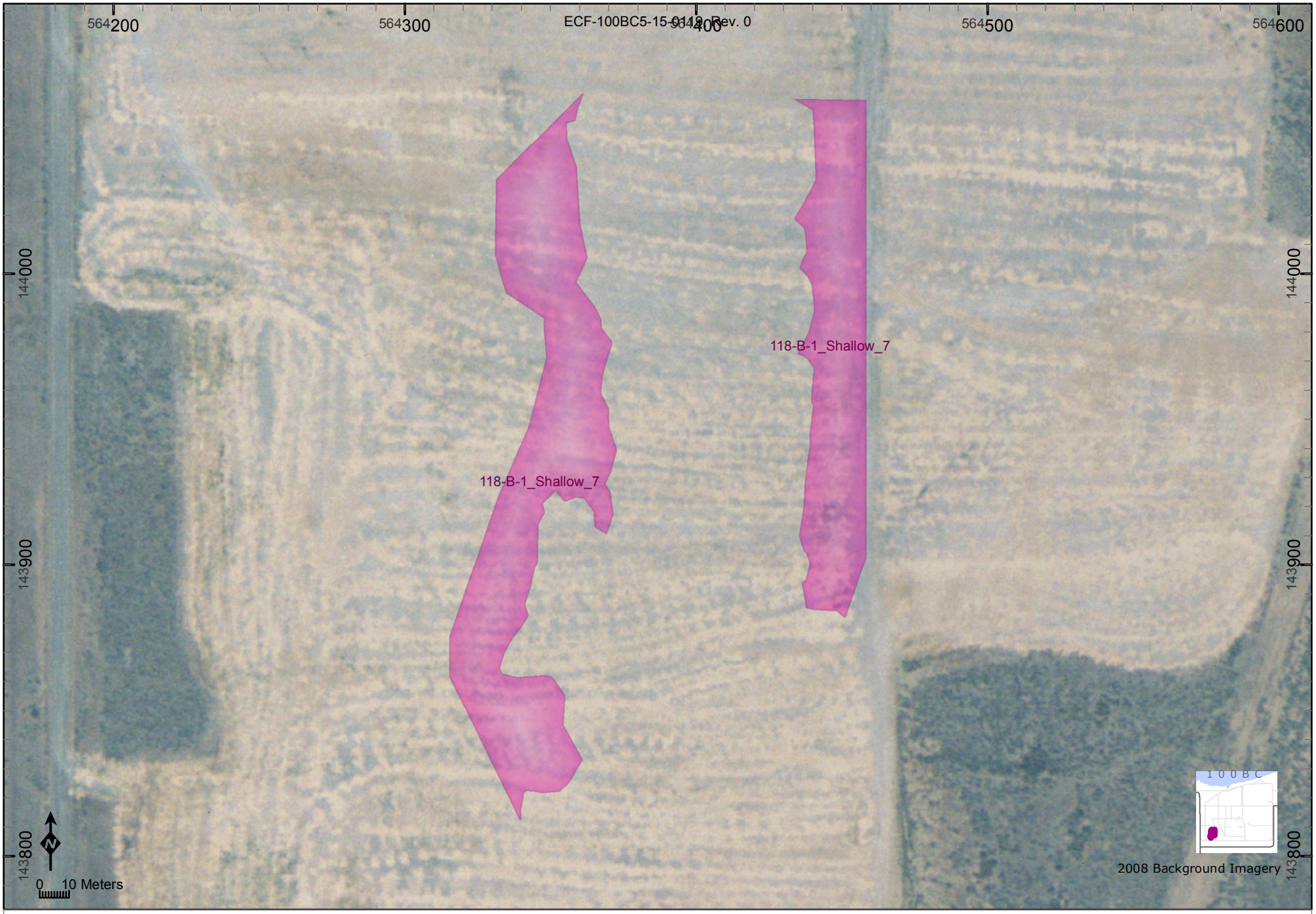
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-1_Shallow_4	**21.5**	**17.2**	4	84	0.8	20



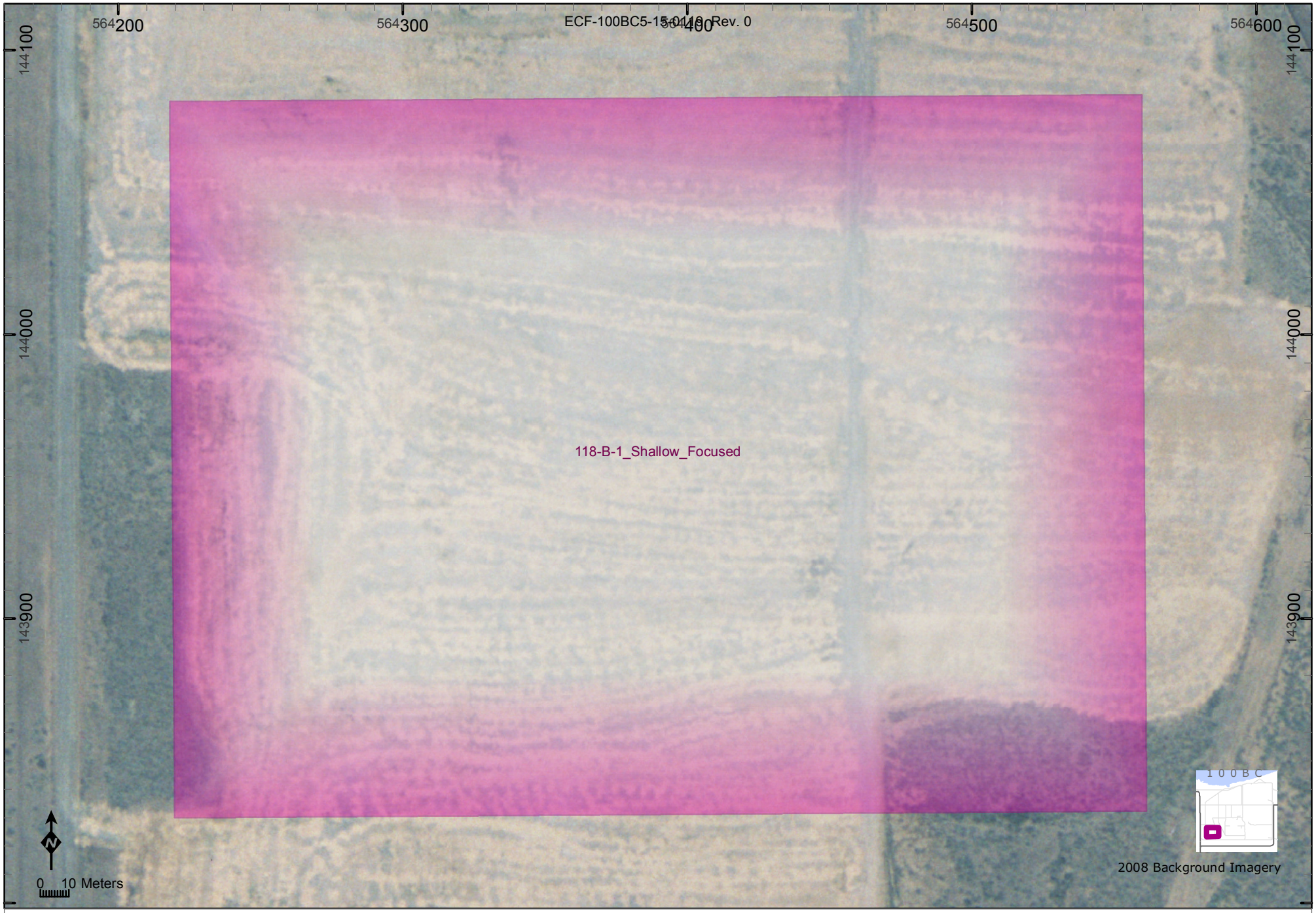
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-1_Shallow_5	**18.6**	167	**33.1**	19	33	0.4	56



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-1_Shallow_6	**54.3**	168	**8.6**	10	1081	0.1	77



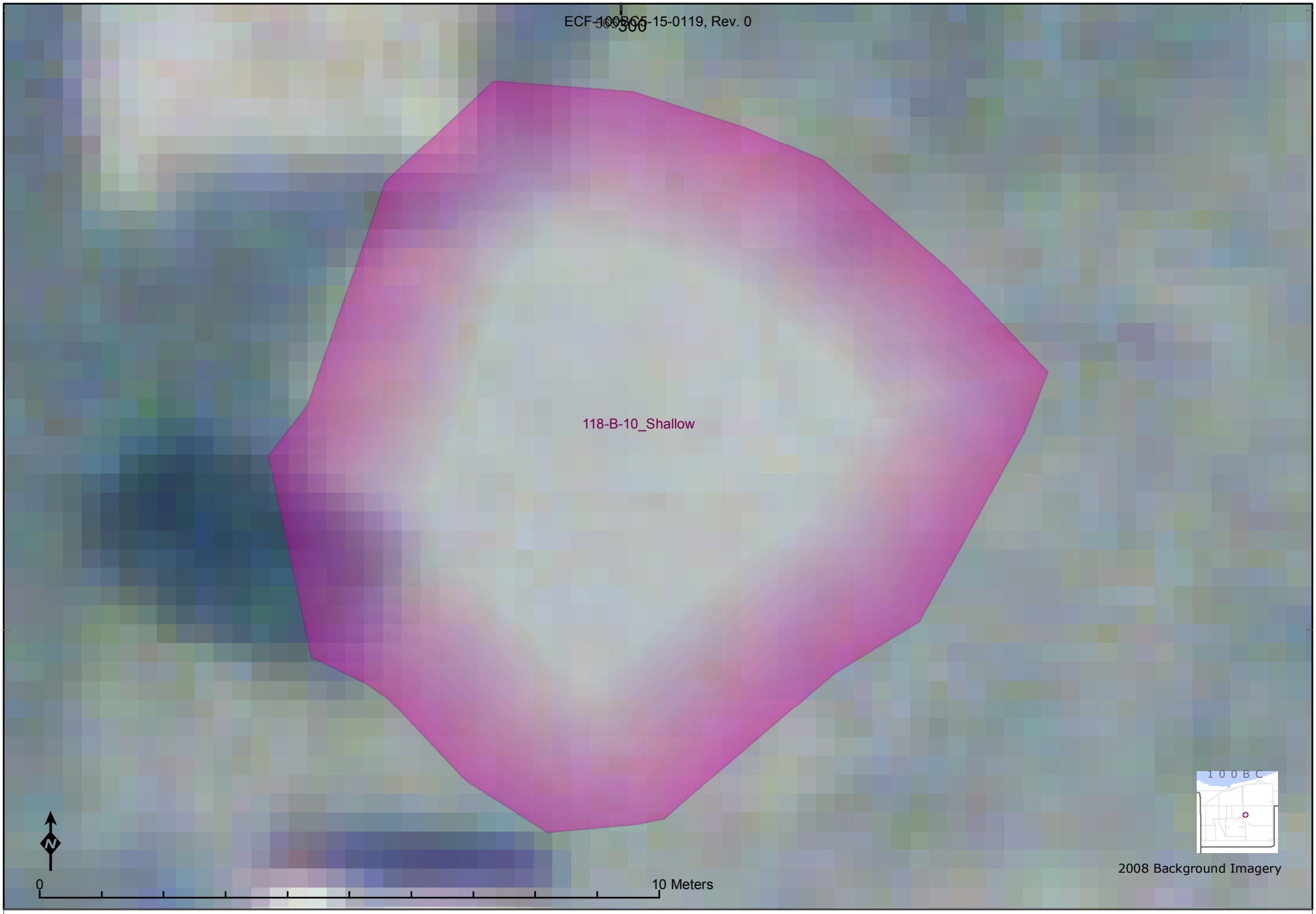
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-1_Shallow_7	**54.1**	169	**55**	51	168	0.5	177



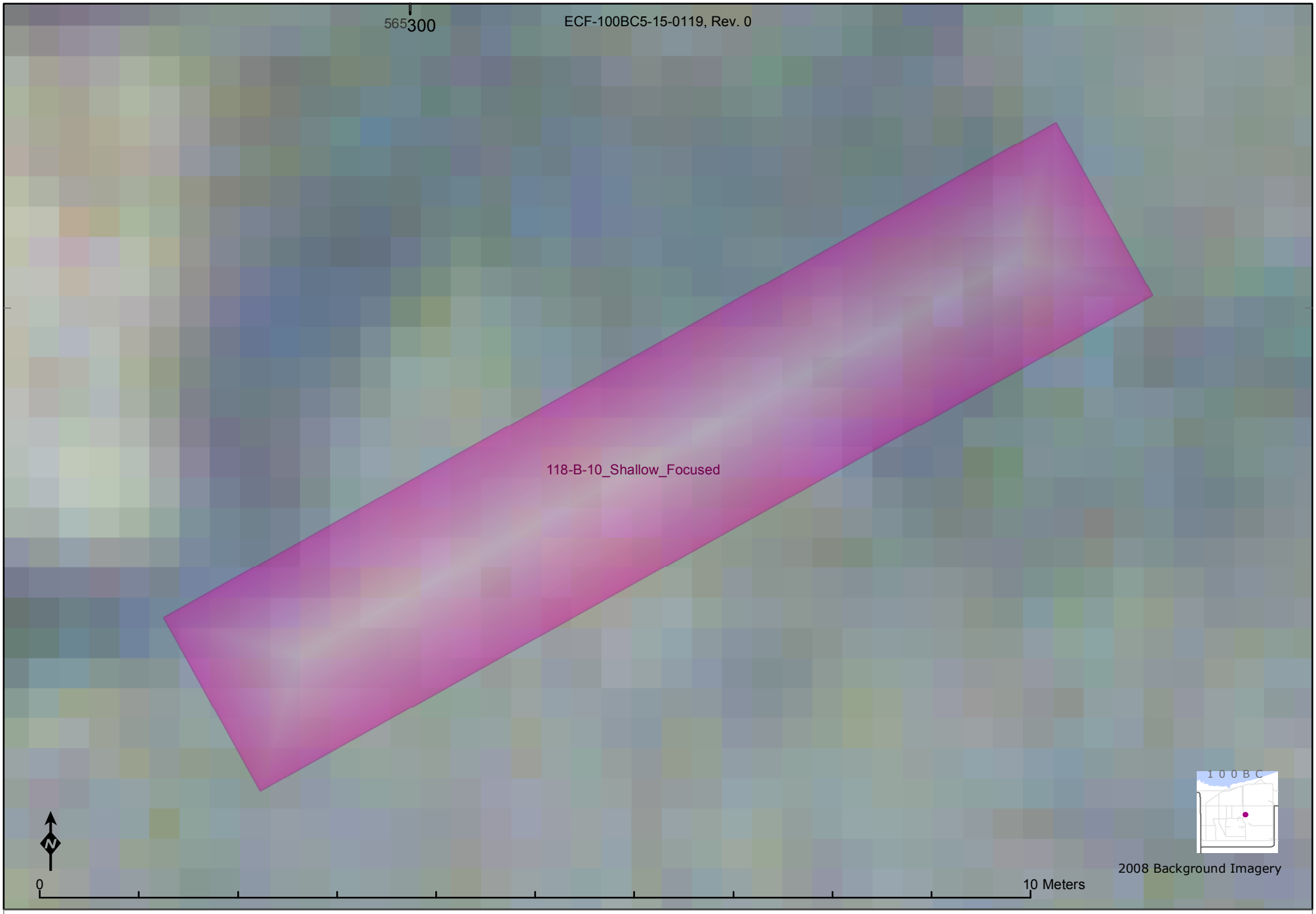
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-1_Shallow_Focused	**165.5**	**250.9**	13	343	52.7	252

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-1_Staging pile area	**94.2**	171	**103.6**	28	269	0.1	151

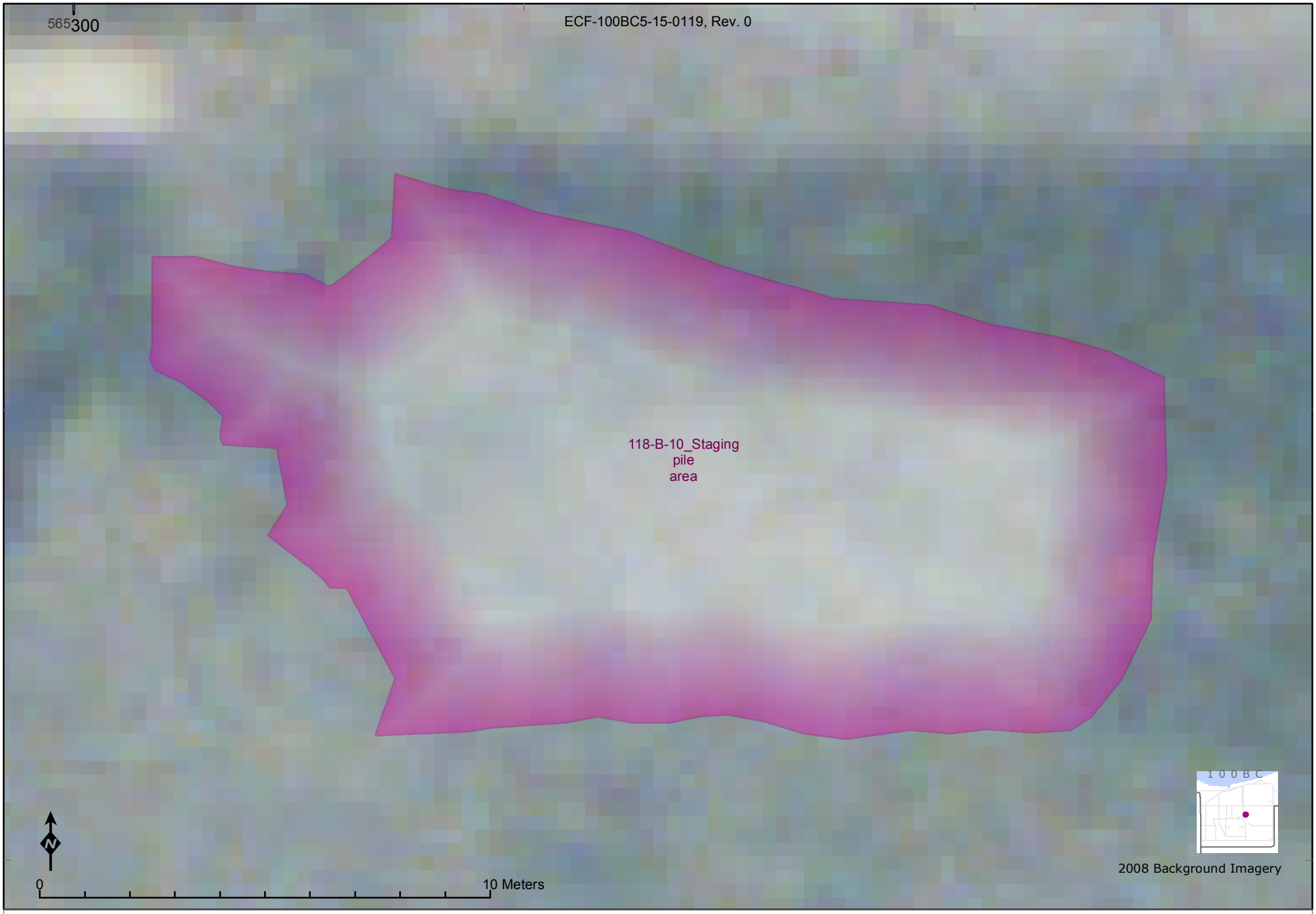
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-1_Staging pile area_Focused	**10.2**	172	**2.9**	0	113	1.5	3



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-10_Shallow	**5.7**	173	**8.6**	3	12	2.8	12

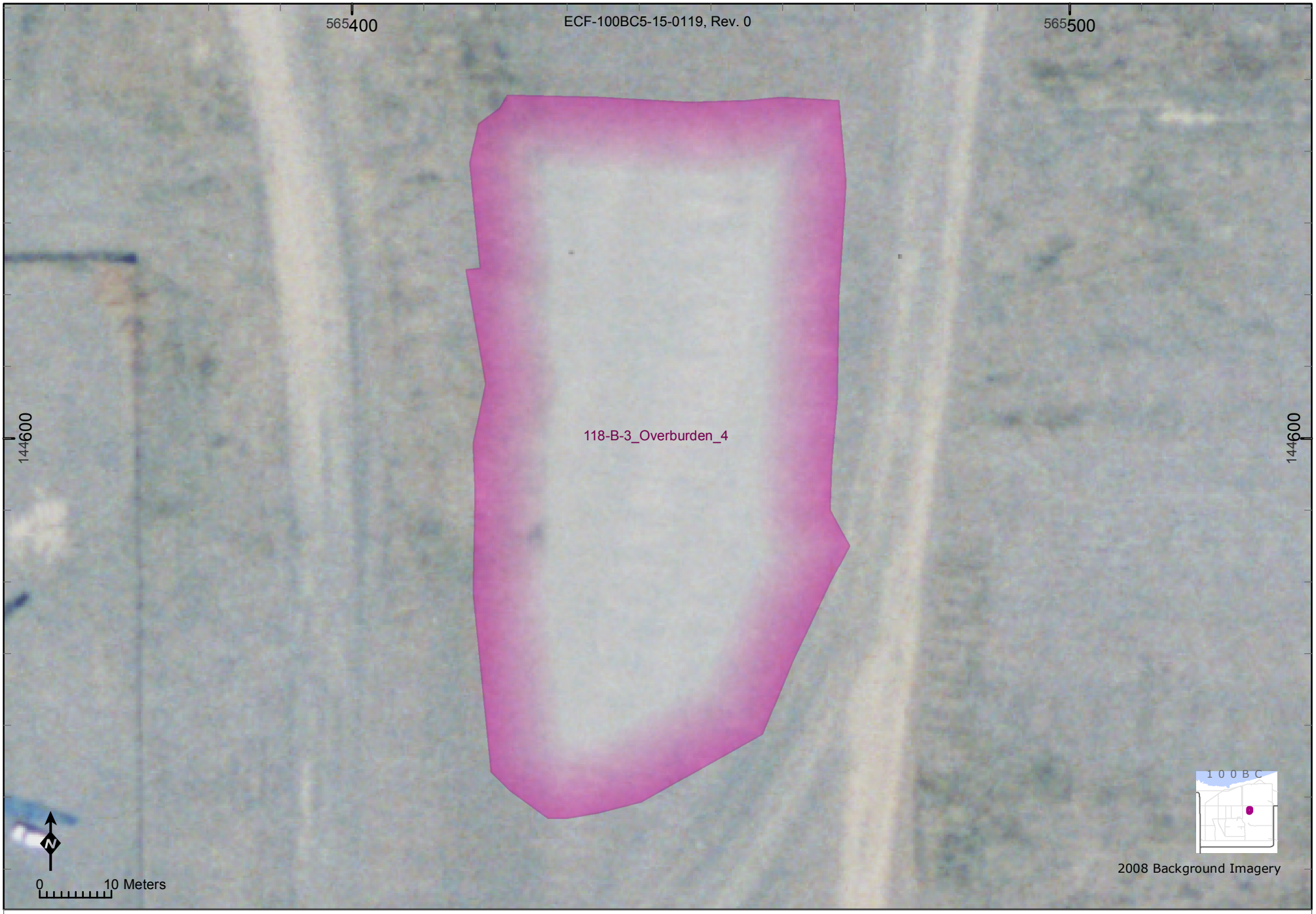


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-10_Shallow_Focused	**2.6**	174	**2.1**	0	10	1.1	2

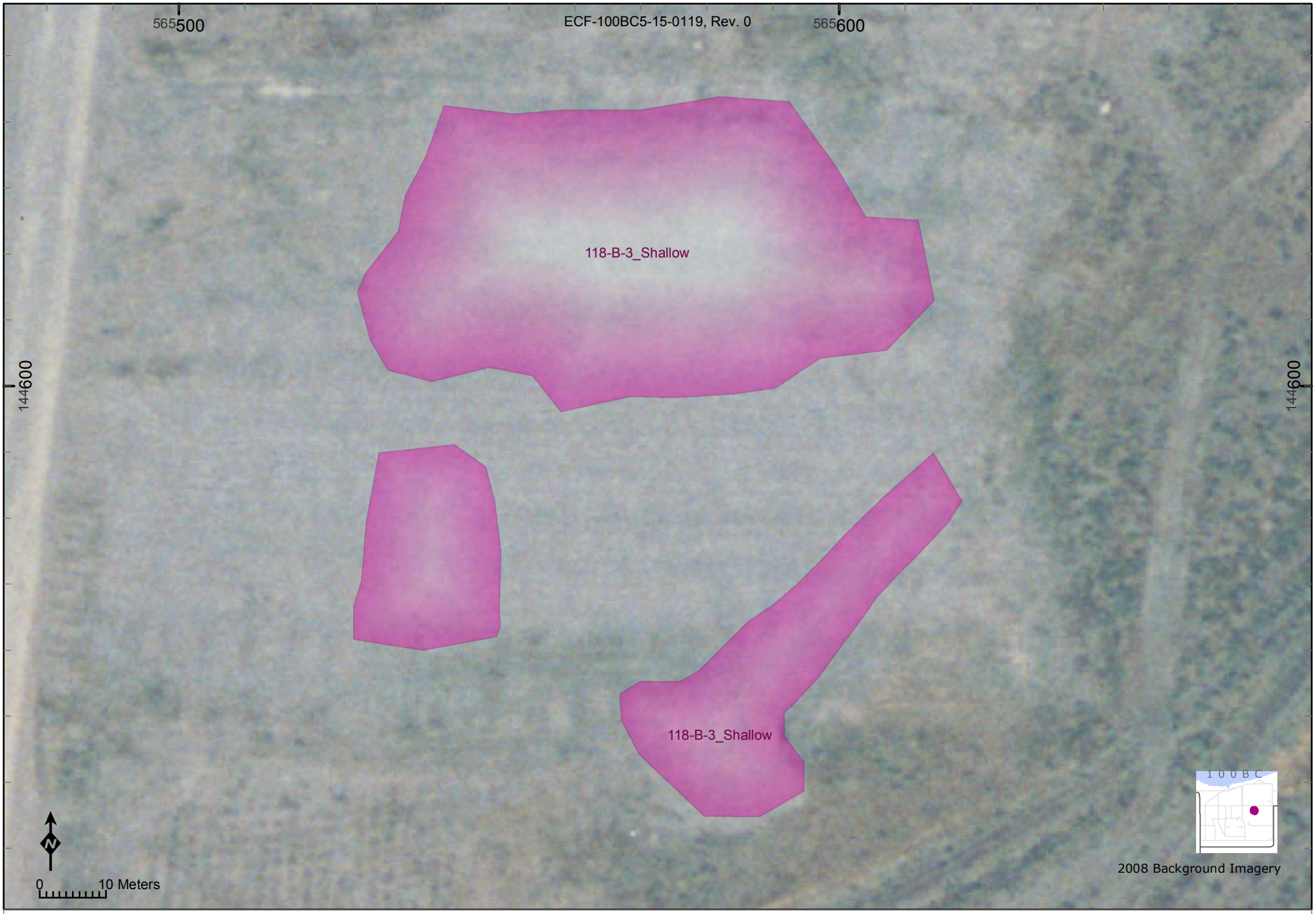


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-10_Staging pile area	**7.9**	175	**8.3**	3	24	0.9	12

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-3_Overburden_2	**46.1**	176	**40.2**	8	166	2	45

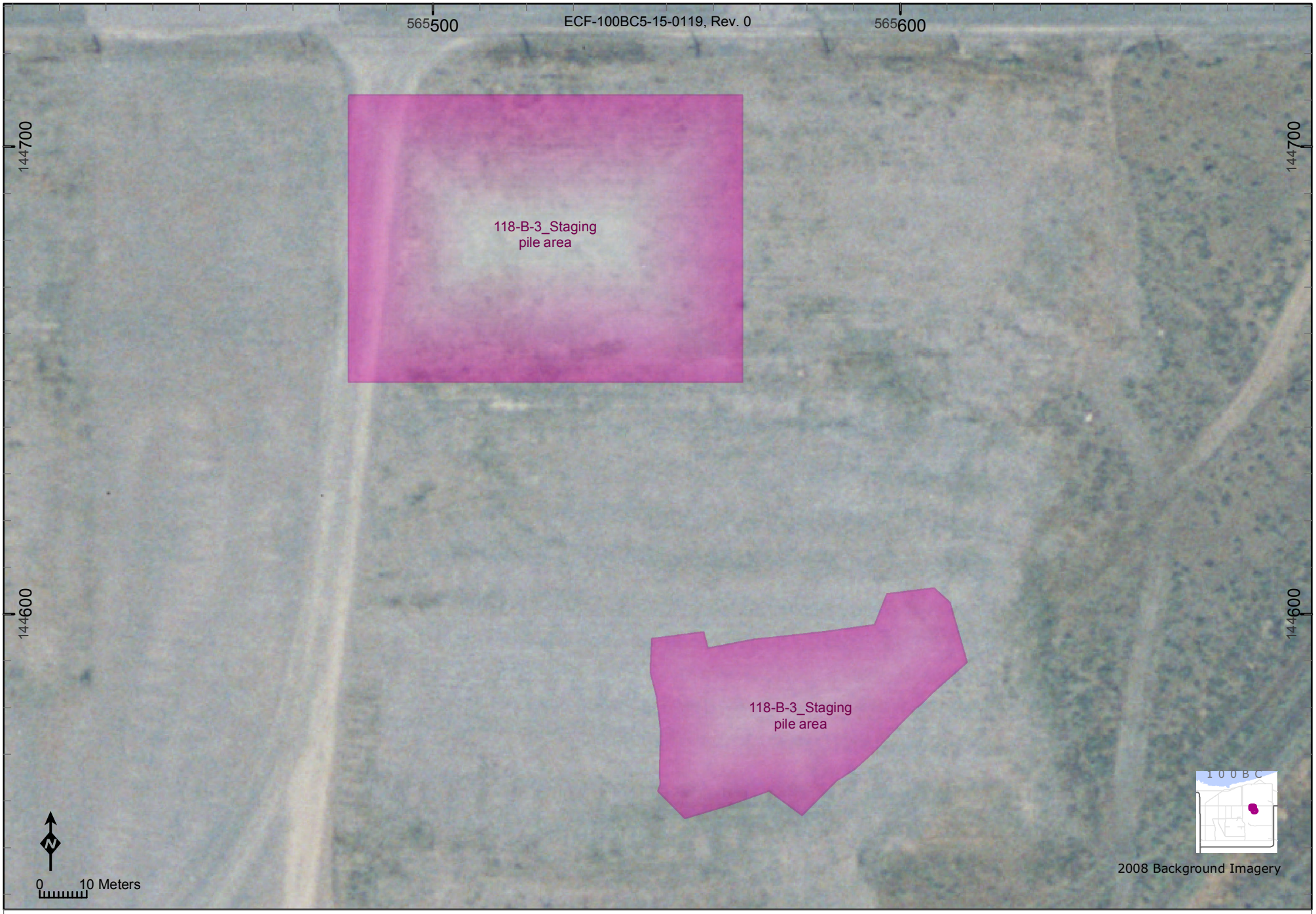


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-3_Overburden_4	**38.3**	177	**76.8**	33	60	0.5	101



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-3_Shallow	**38.1**	178	**27.8**	13	164	1.5	46

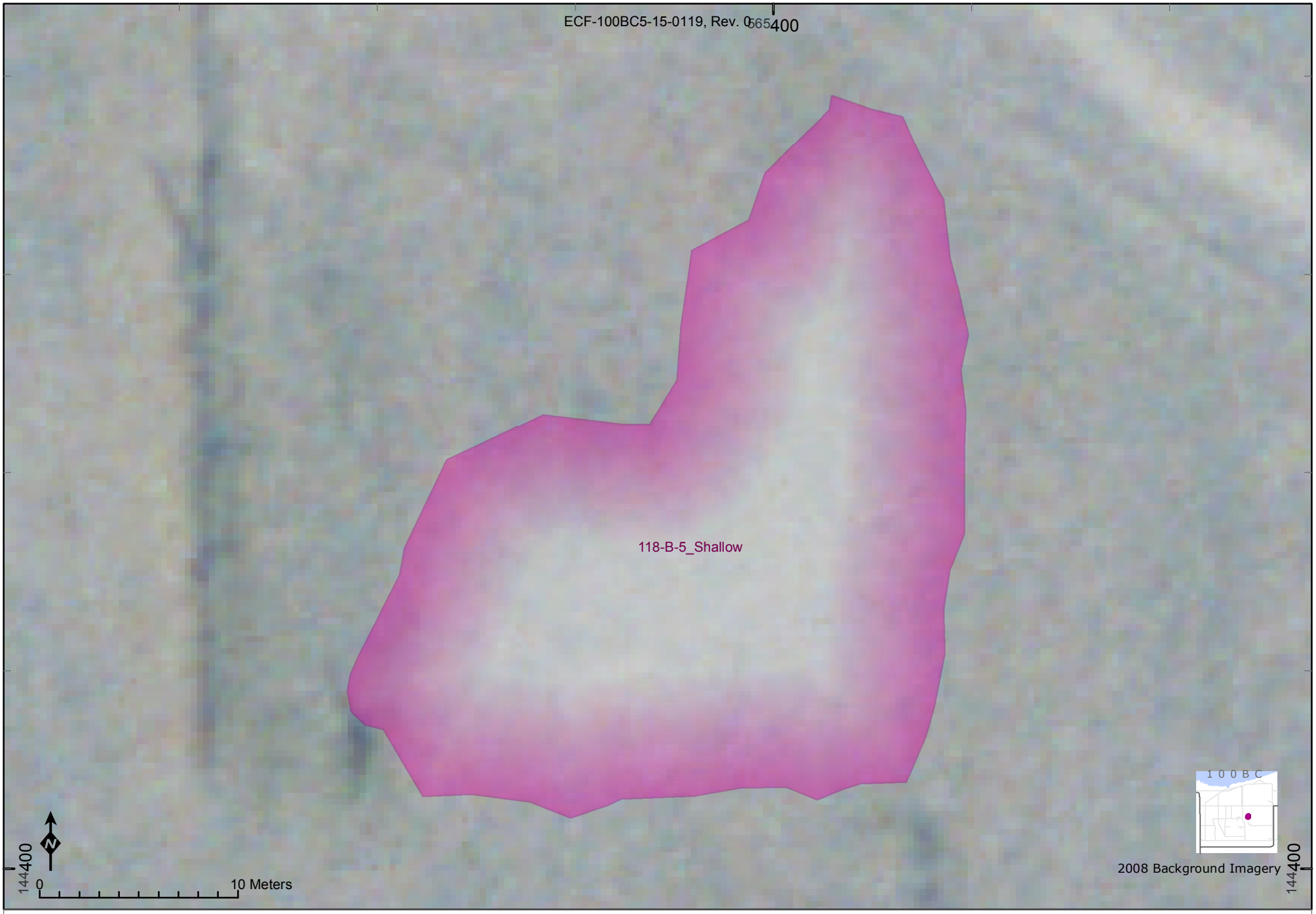
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-3_Shallow_Focused	**35.6**	179	**63.2**	30	63	2.2	92



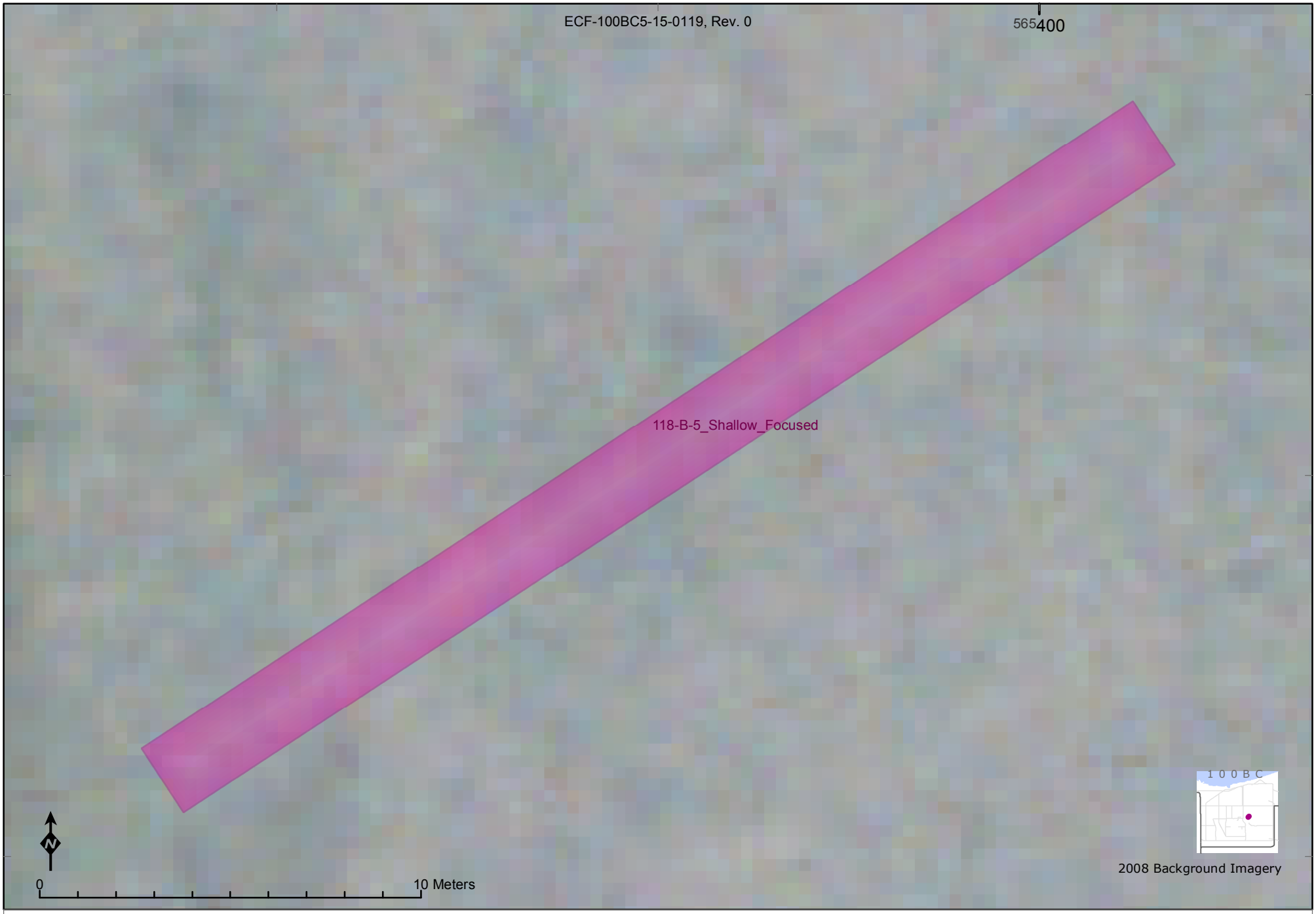
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-3_Staging pile area	**47.9**	180	**47.5**	17	153	1.1	61

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-4_Shallow	**13**	181	**24.2**	10	22	5.2	31

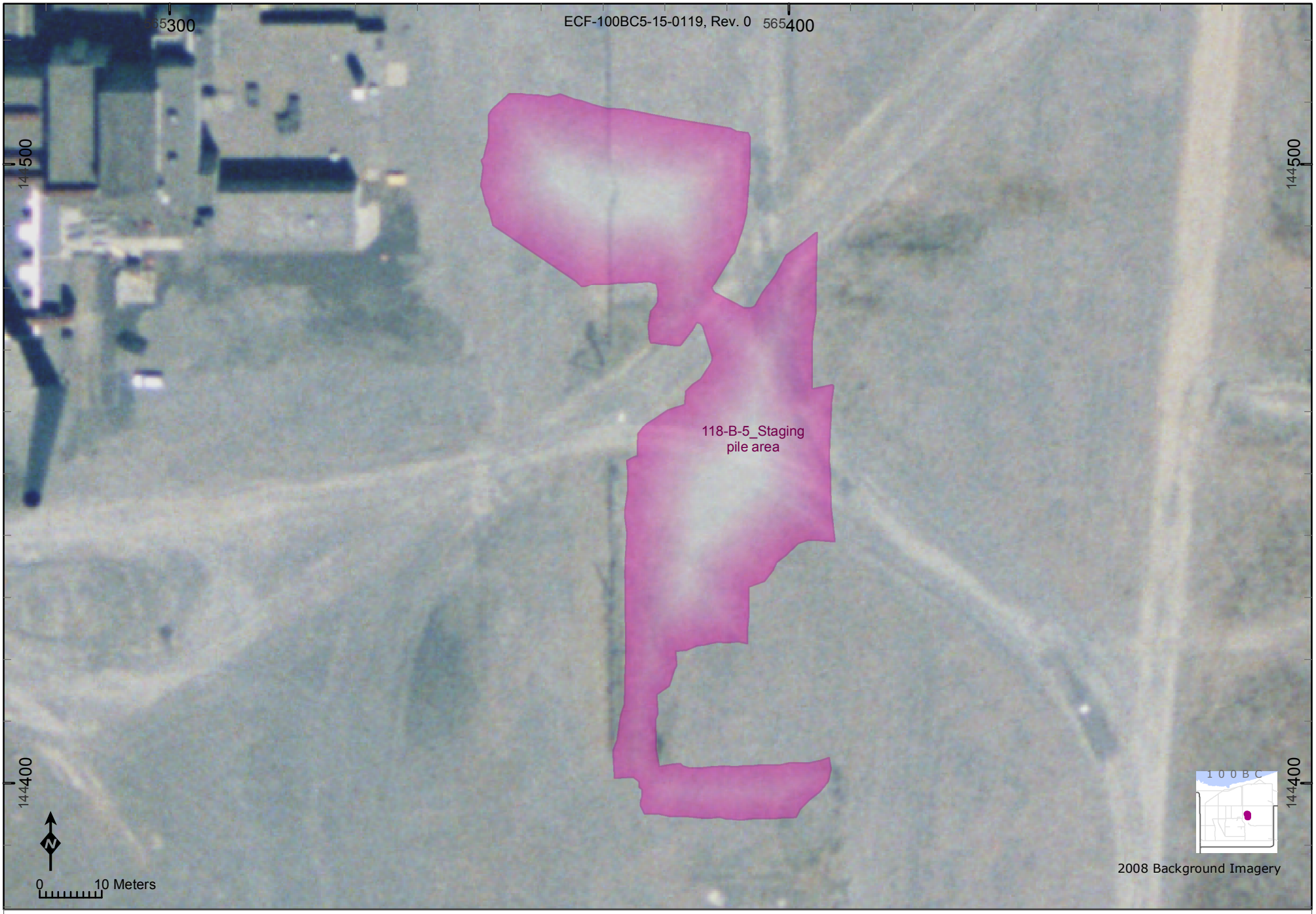
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-4_Staging pile area	**21.2**	182	**23.5**	19	60	0.1	77



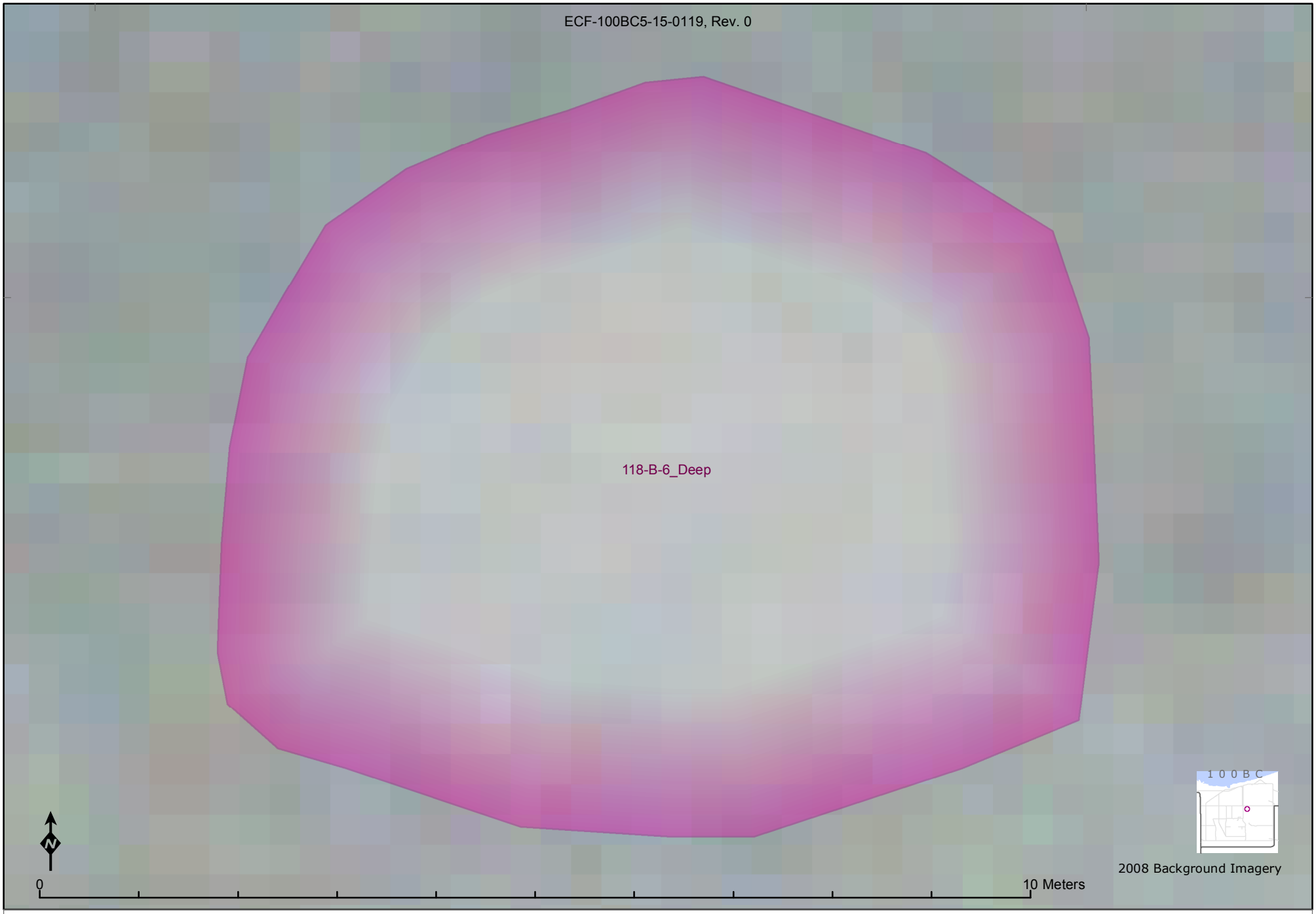
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-5_Shallow	**14.9**	183	**22.5**	9	31	3	35



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-5_Shallow_Focused	**4.4**	184 **2.3**	0	27	1.2	2

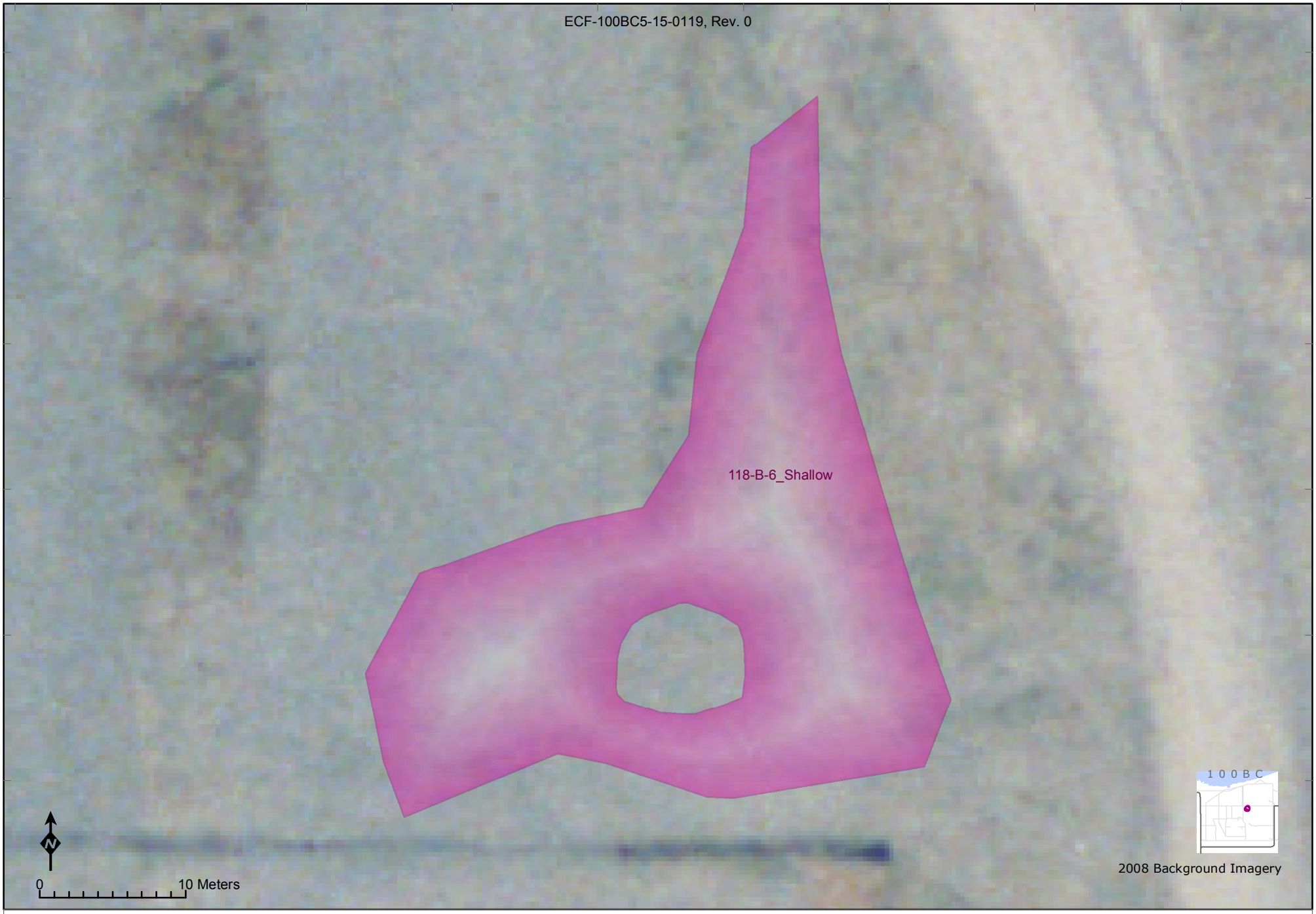


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-5_Staging pile area	**30.8**	185	**27.1**	17	110	1.8	64

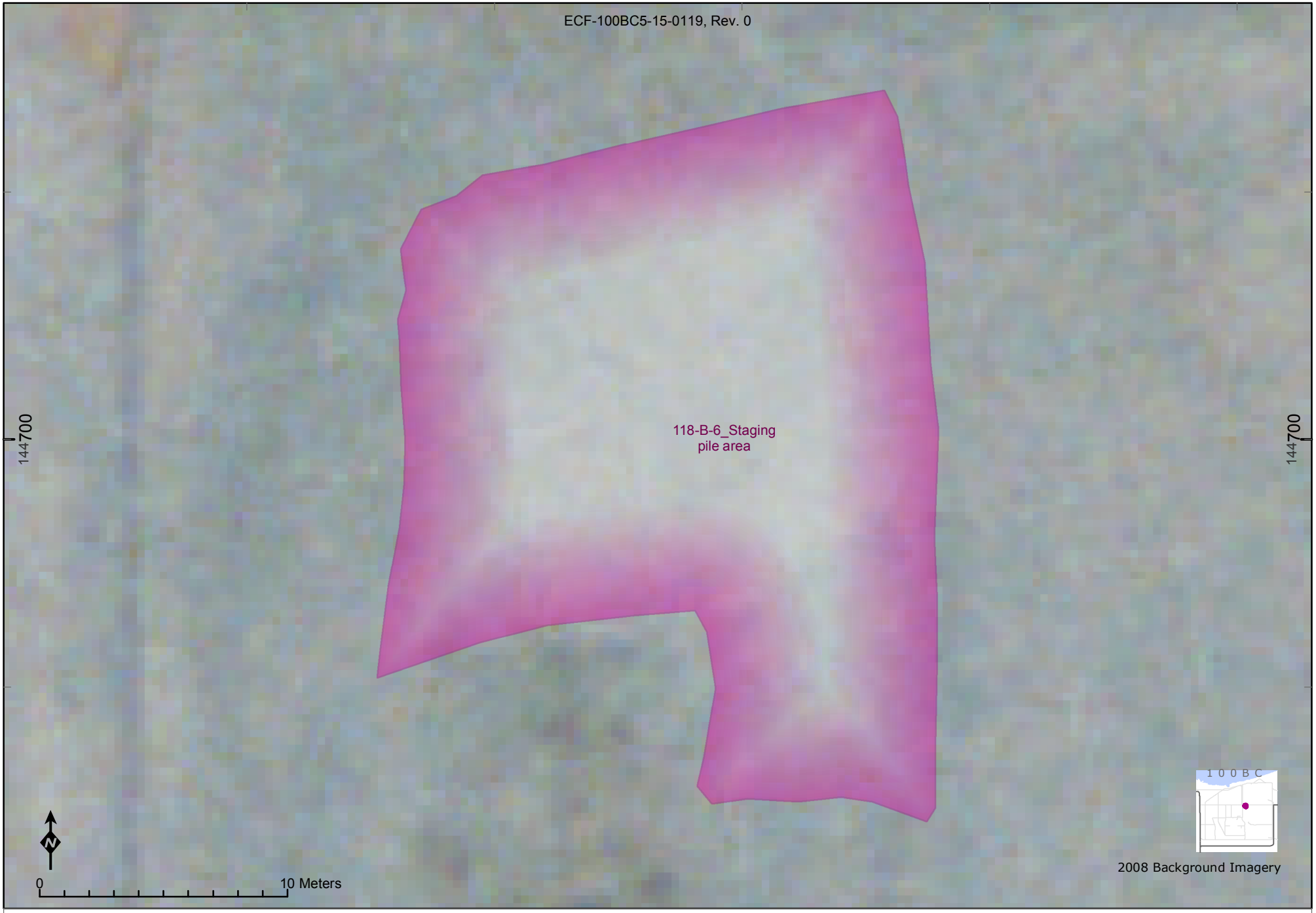


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-6_Deep	**4.2**	186	**6.2**	1	9	3.3	8

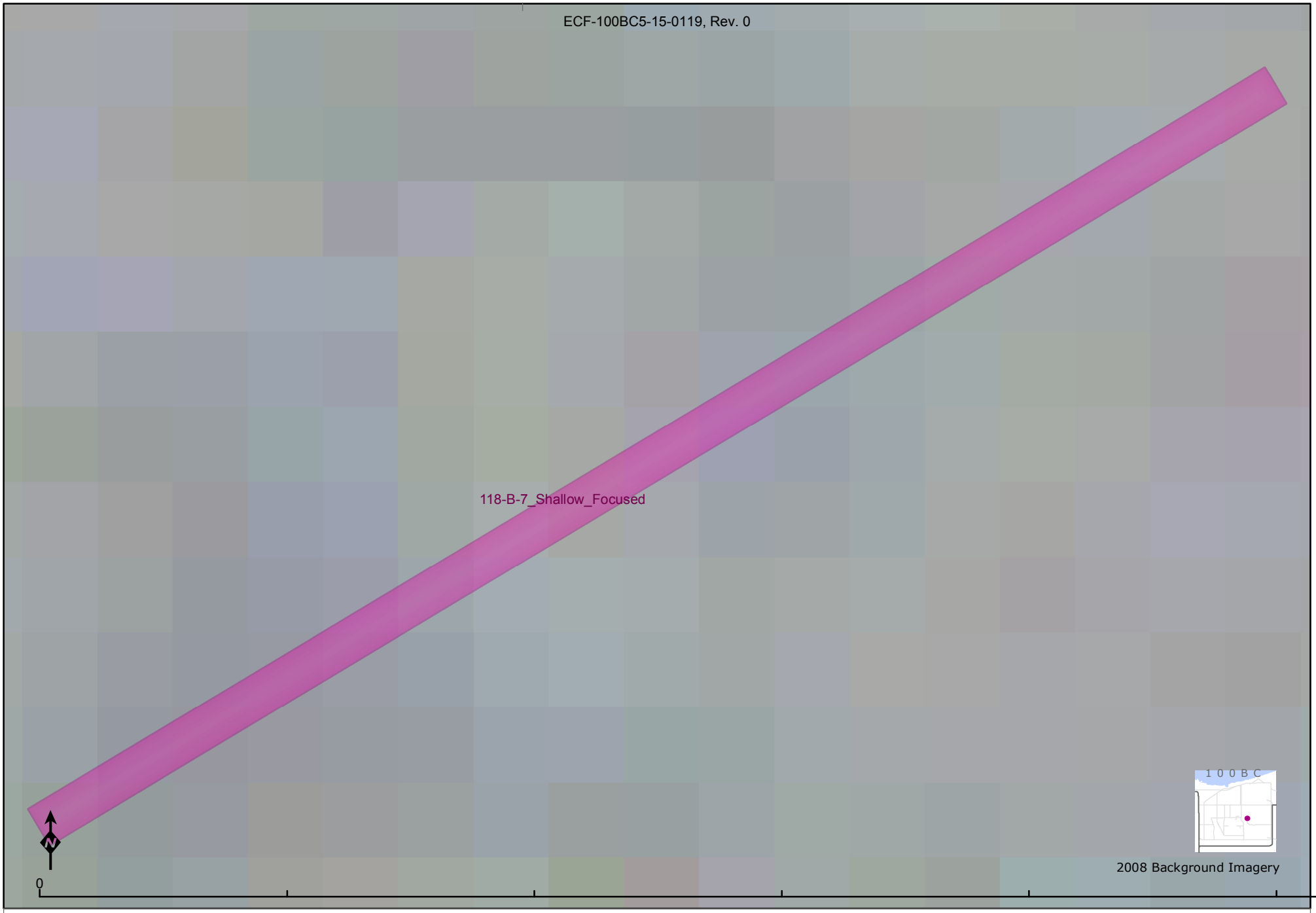
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-6_Overburden	**21.8**	187	**23.6**	18	63	0.3	52



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-6_Shallow	**16.2**	188 **17**	12	49	1	47

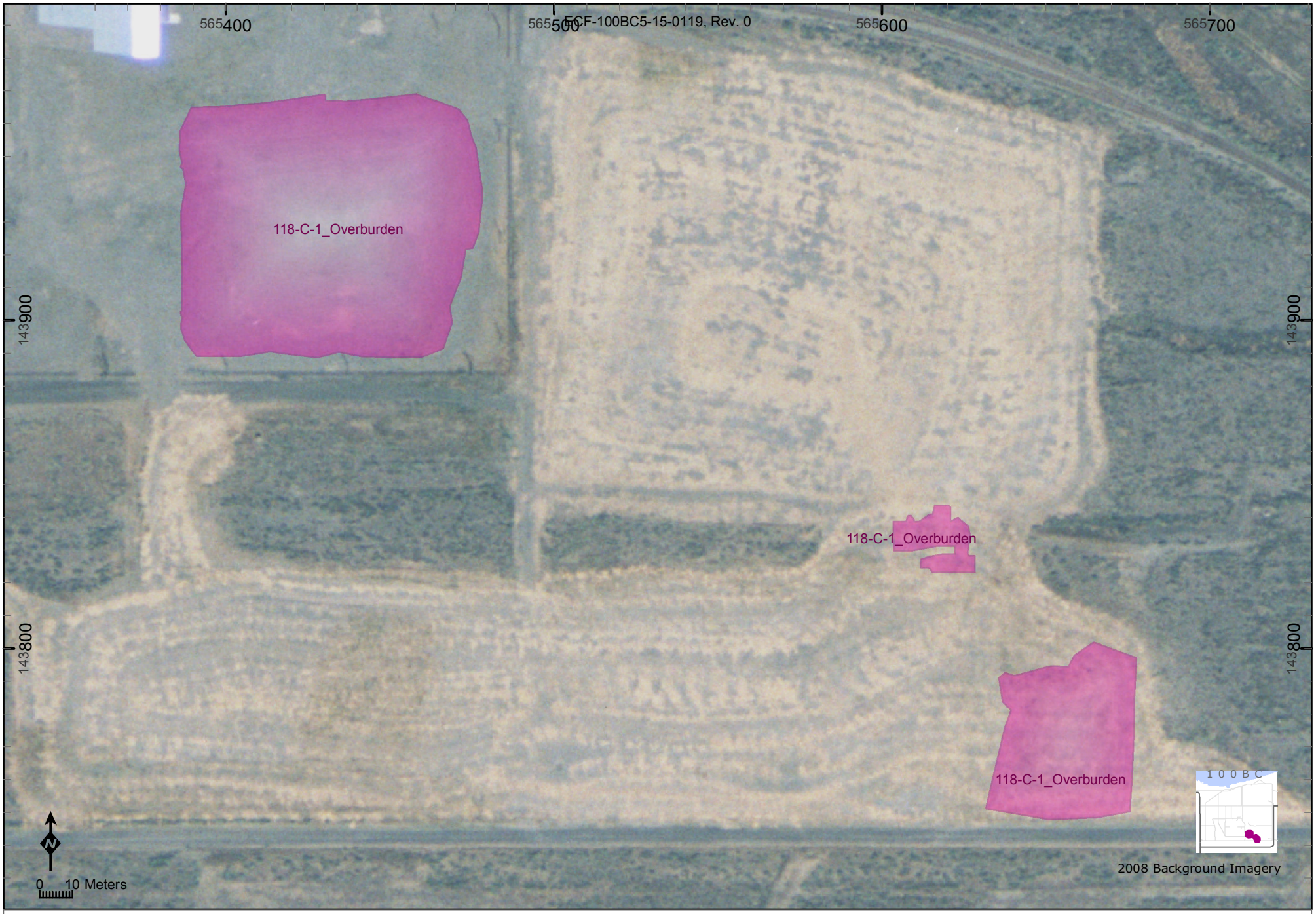


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-6_Staging pile area	**12.4**	189	**21.8**	6	22	4.9	29



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-7_Shallow_Focused	**0.6**	190 **0.2**	0	5	0.2	0

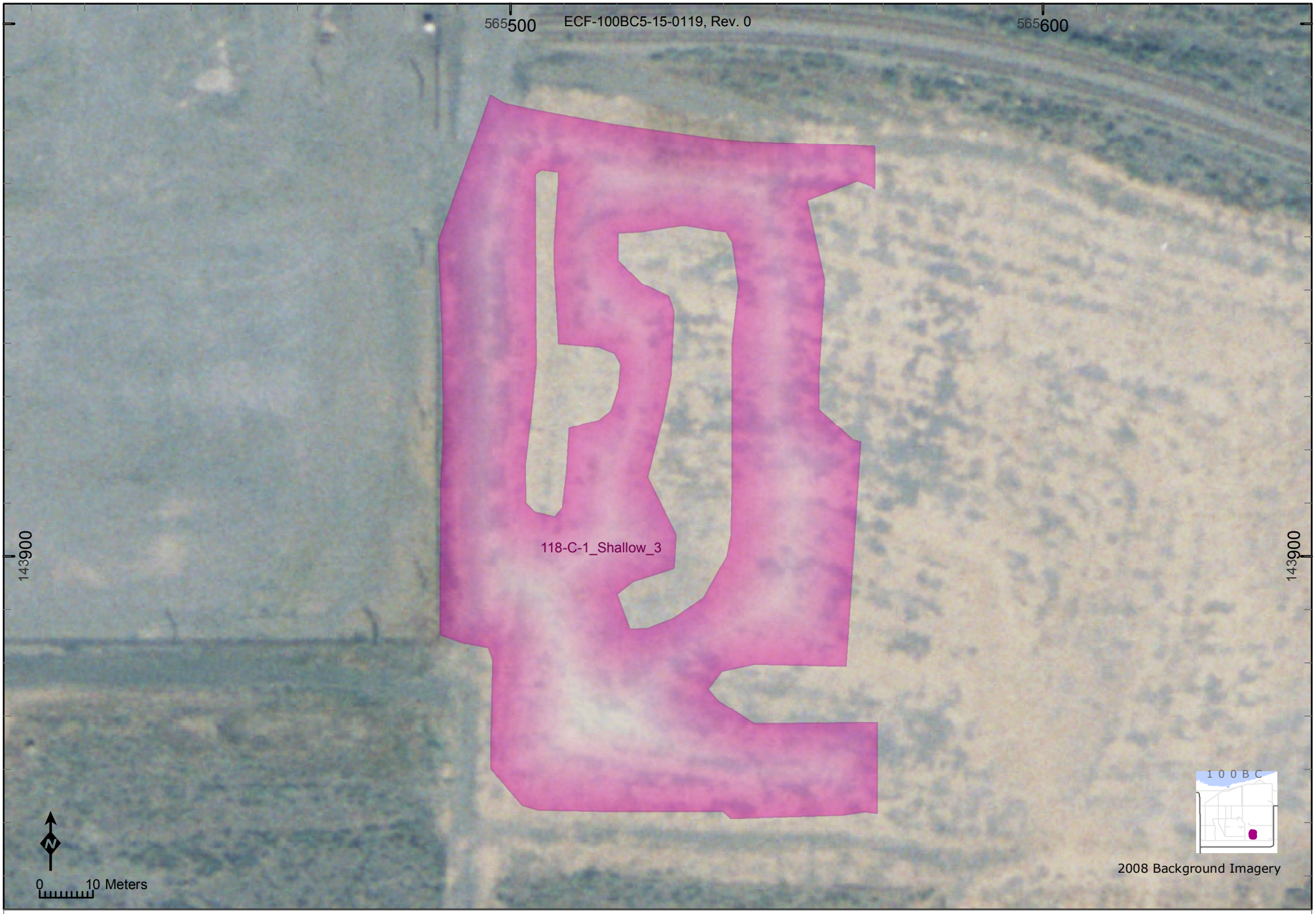
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-B-9_Shallow_Focused	**4.4**	191	**4.2**	1	14	3	5



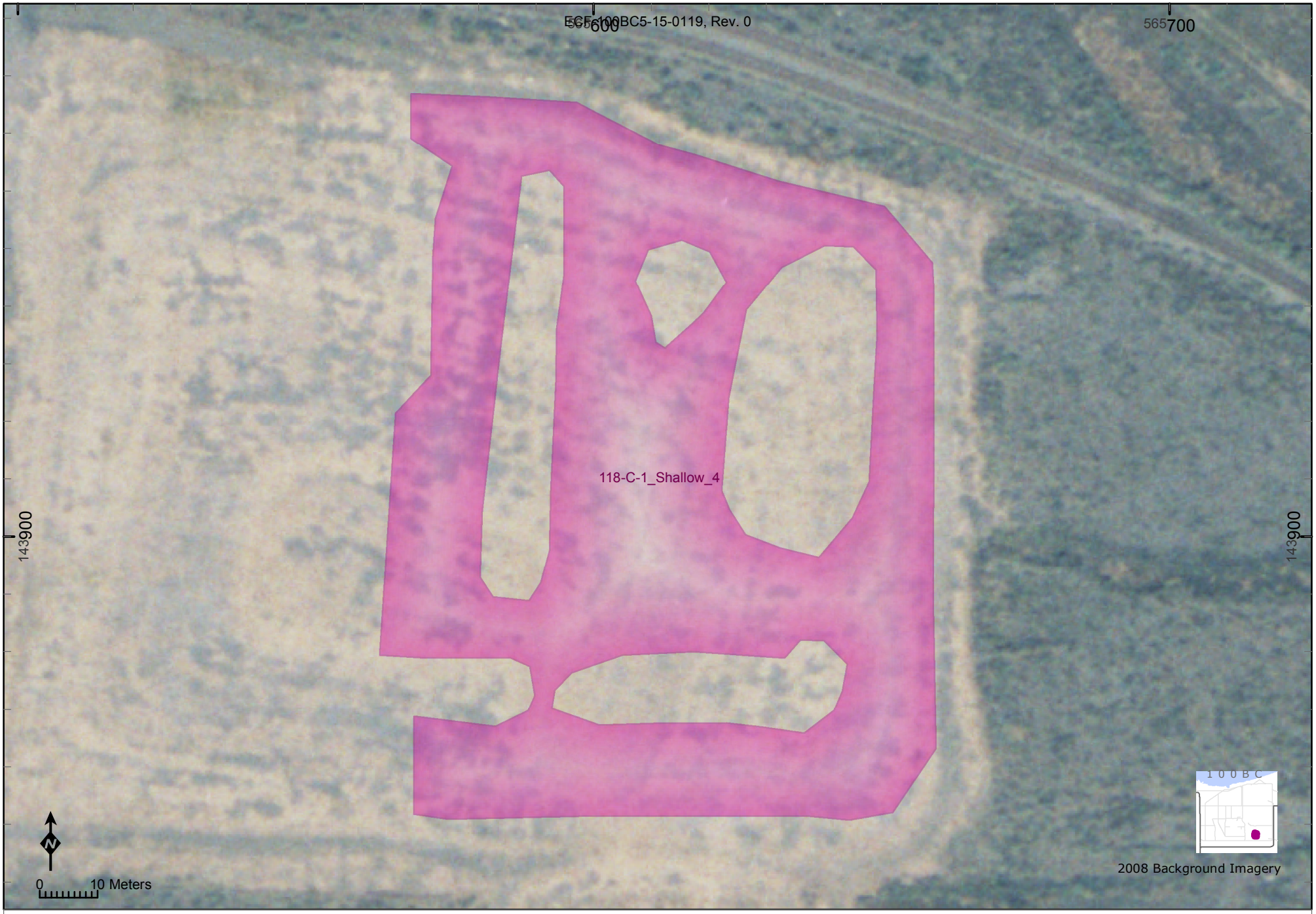
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-C-1_Overburden	**53.4**	192	**49.7**	29	180	1.6	80

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-C-1_Shallow_1	**31**	193	**29.6**	22	102	0.1	73

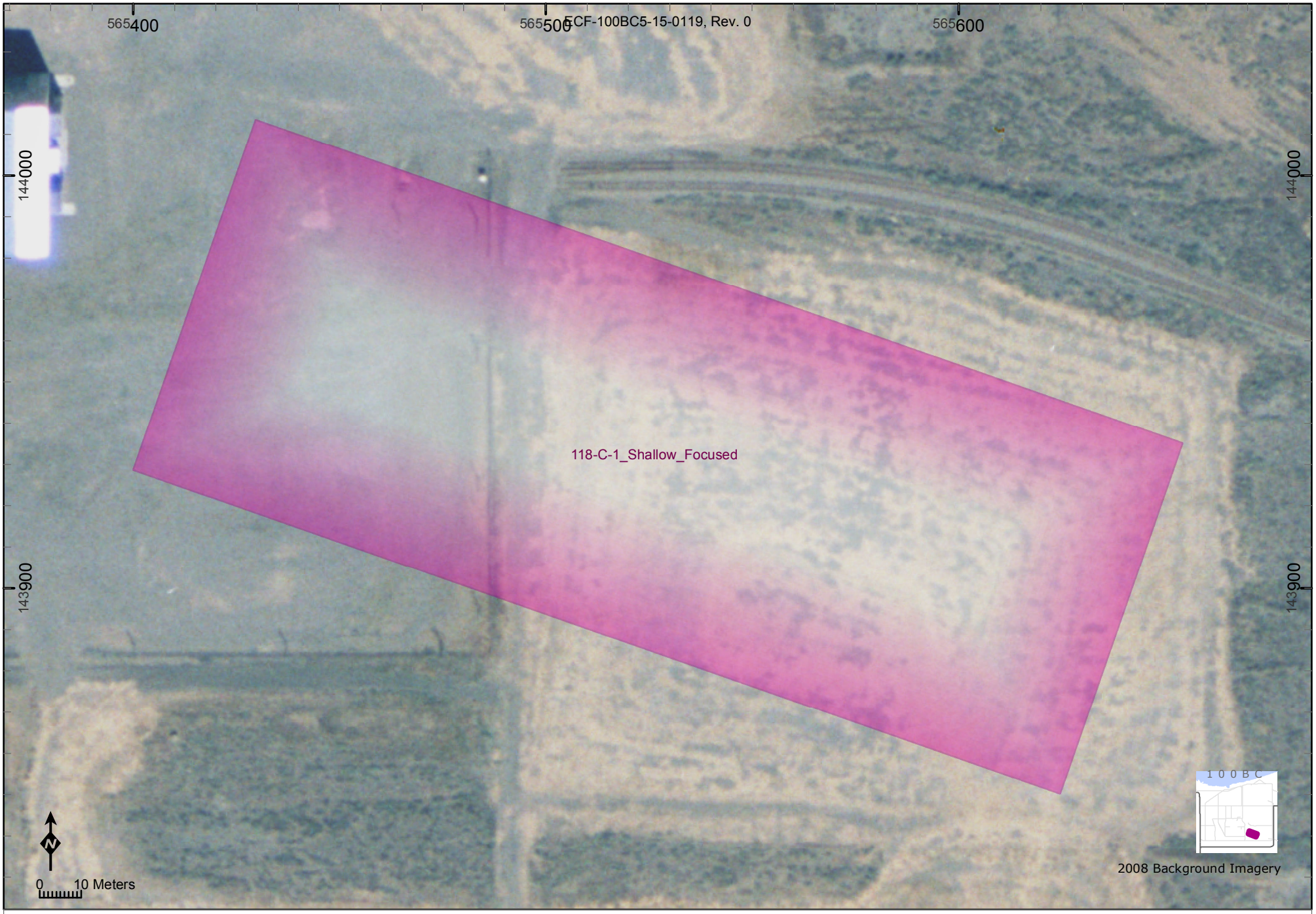
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-C-1_Shallow_2	**27.3**	194	**17.1**	17	137	0.1	74



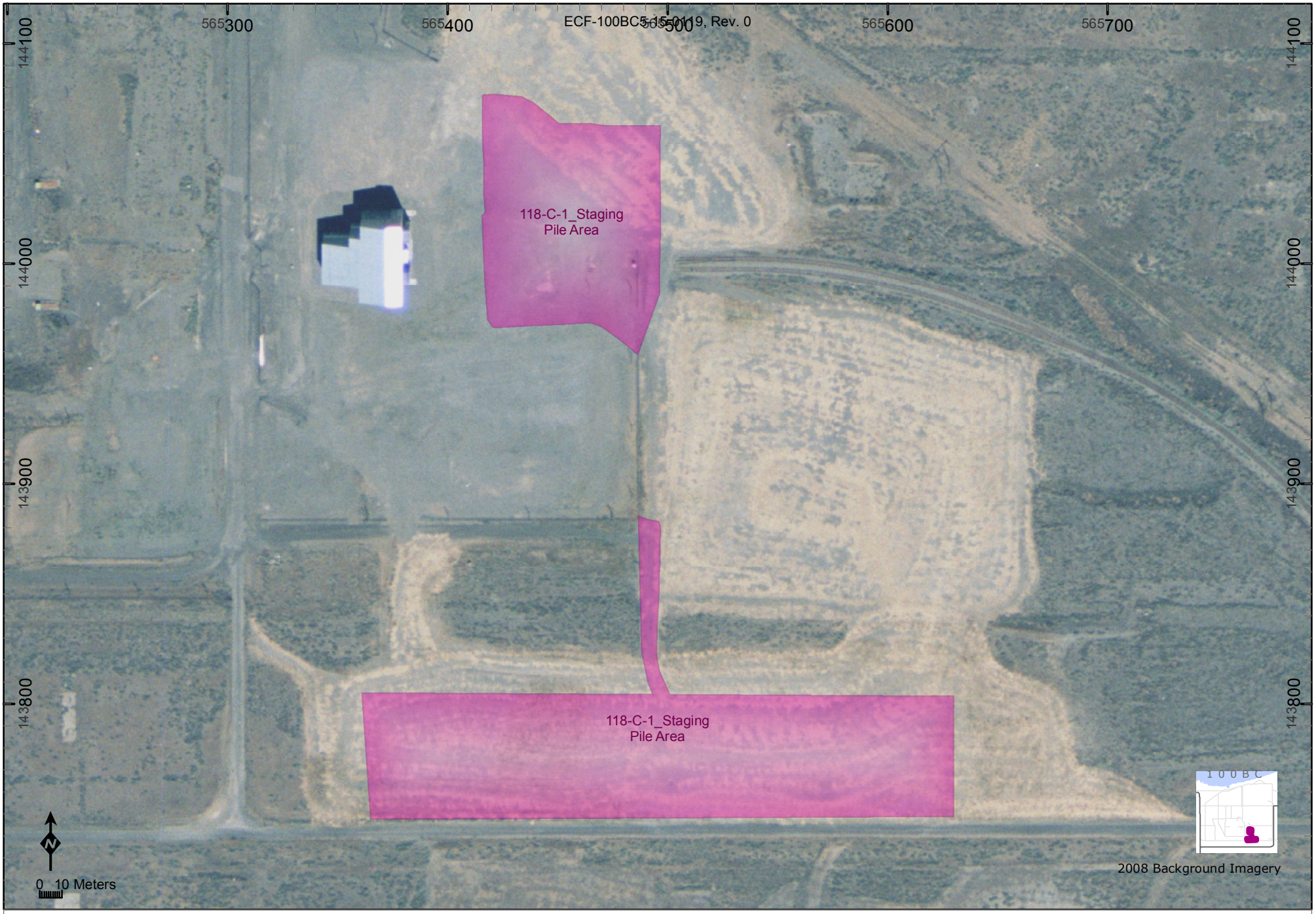
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-C-1_Shallow_3	**49.1**	195	**41.6**	32	182	6.6	131



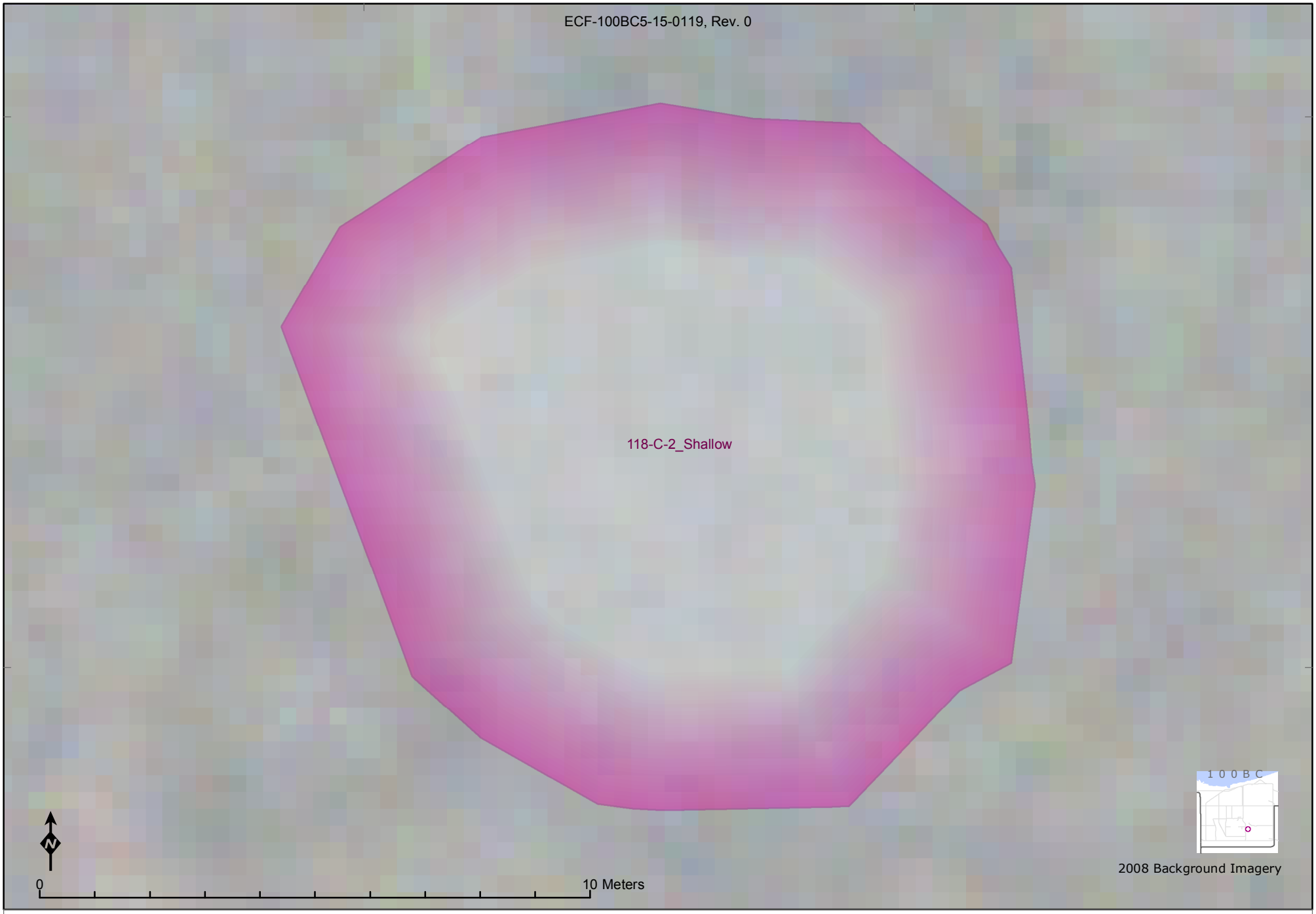
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-C-1_Shallow_4	**49.1**	196	**32.4**	28	234	2.1	106



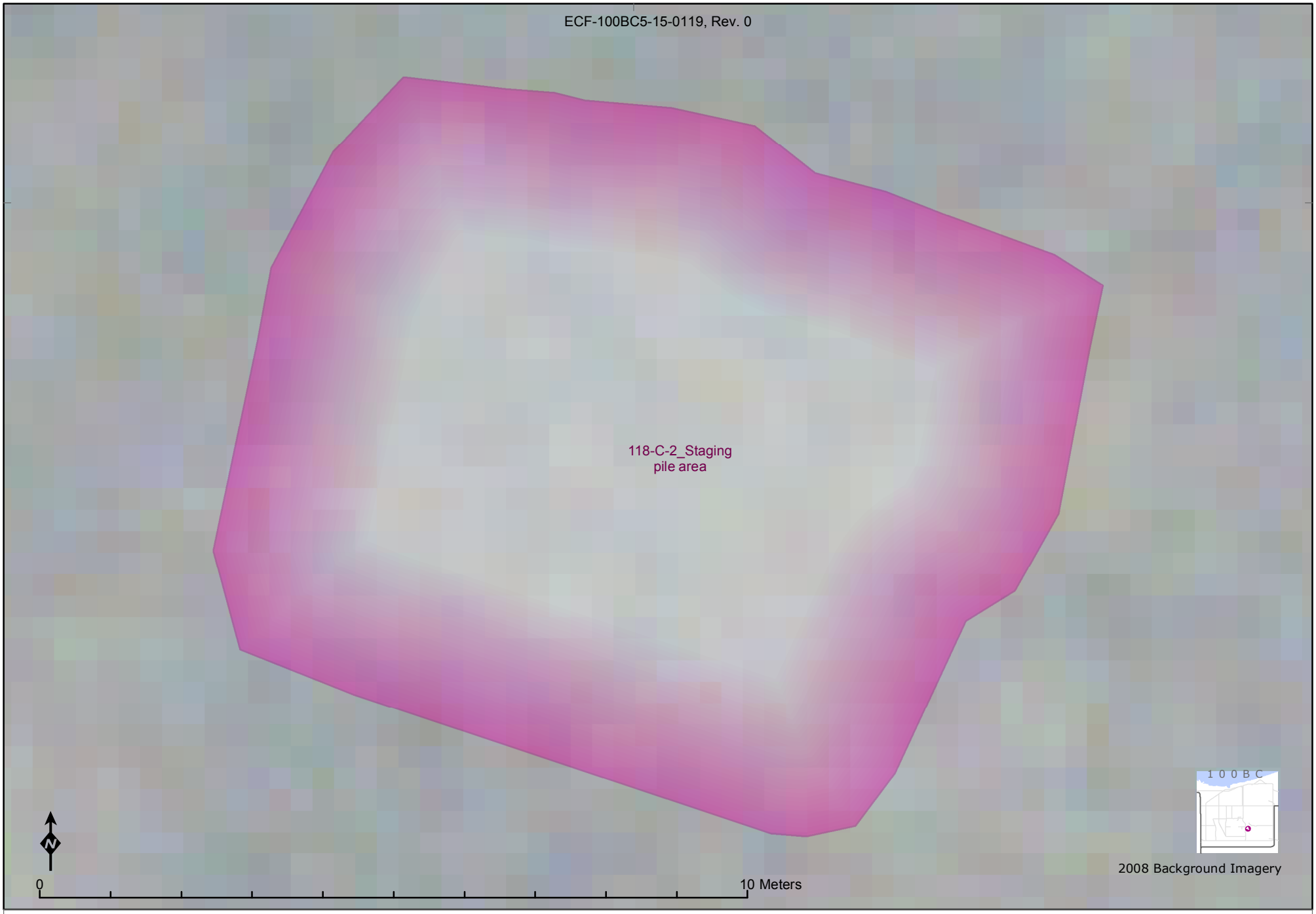
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-C-1_Shallow_Focused	**82.5**	197	**84.2**	24	254	0.5	95



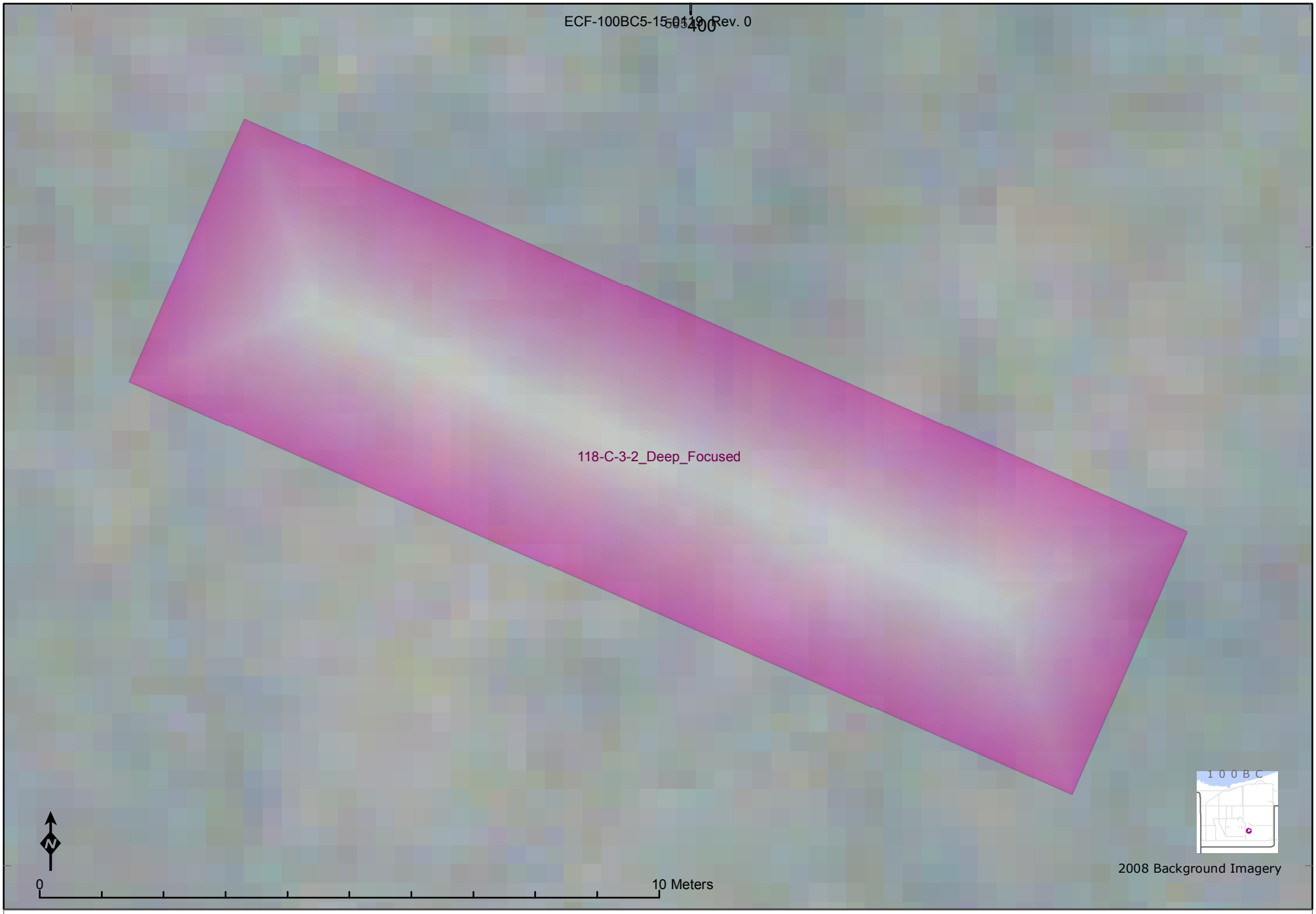
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-C-1_Staging Pile Area	**86**	198	**64.5**	19	360	7.3	135



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-C-2_Shallow	**6.6**	199	**9.8**	4	14	2.2	13

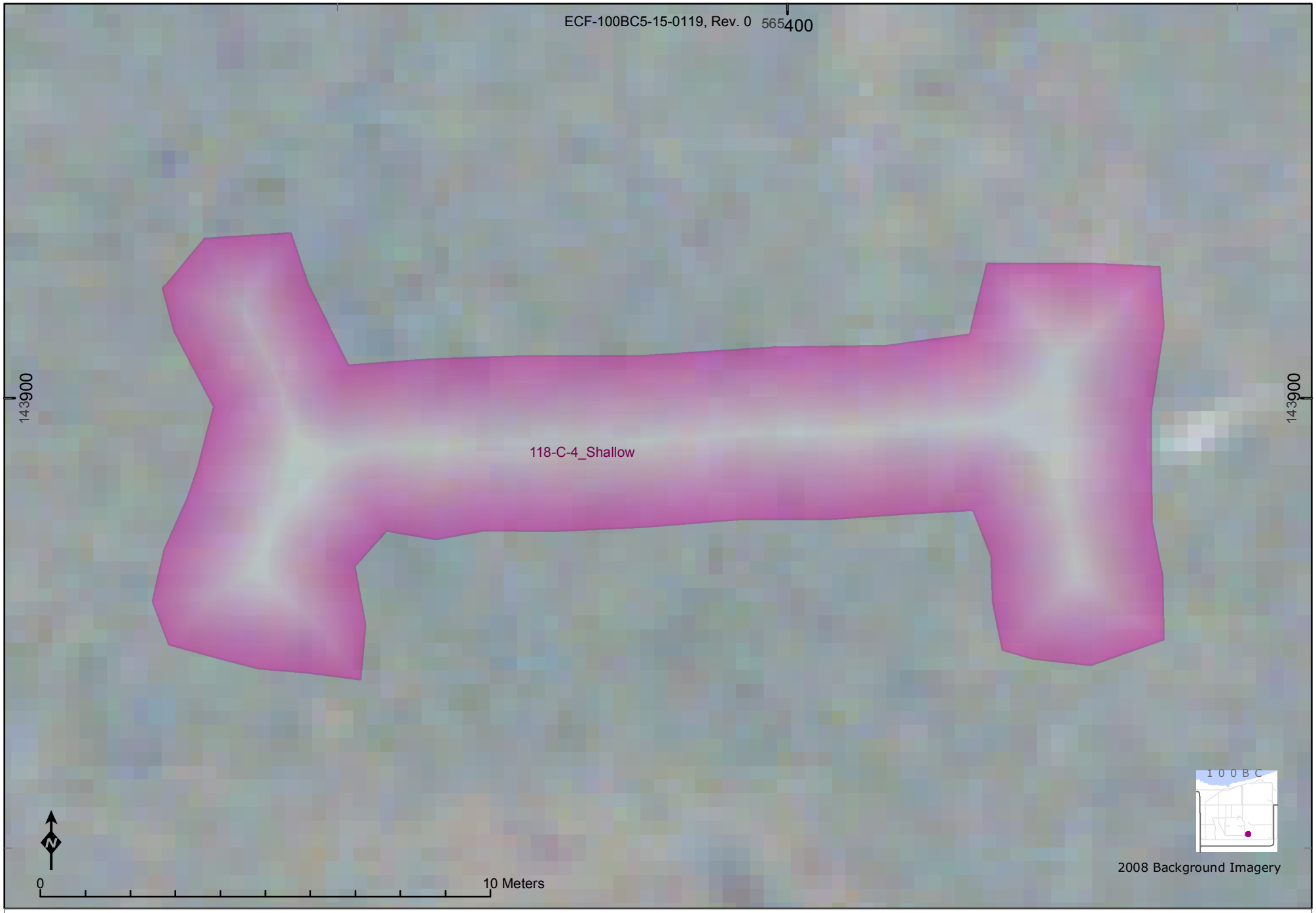


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-C-2_Staging pile area	**5.5**	200	**8**	2	12	3.6	10

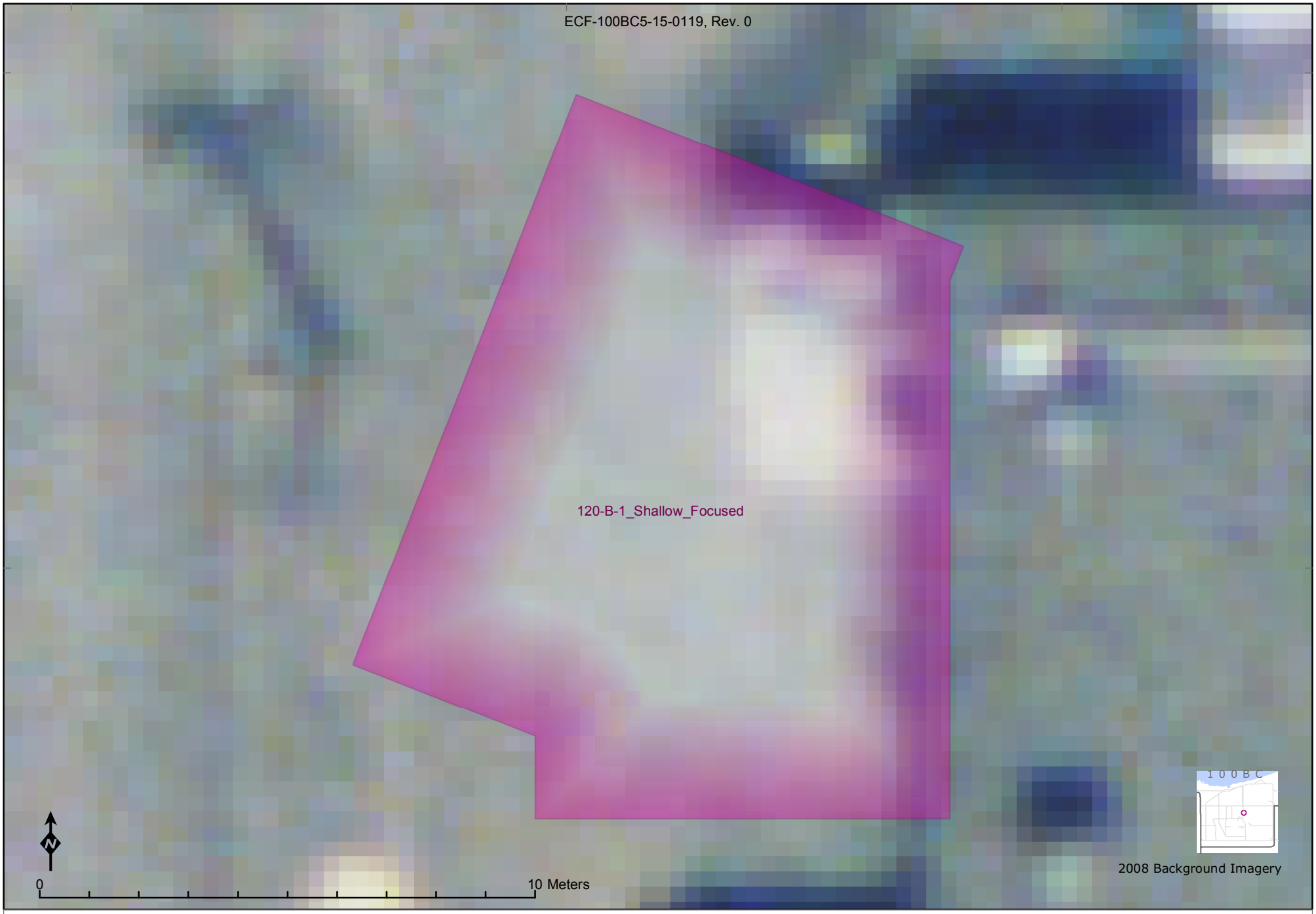


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-C-3-2_Deep_Focused	**4.9**	**4.3**	2	18	0	5

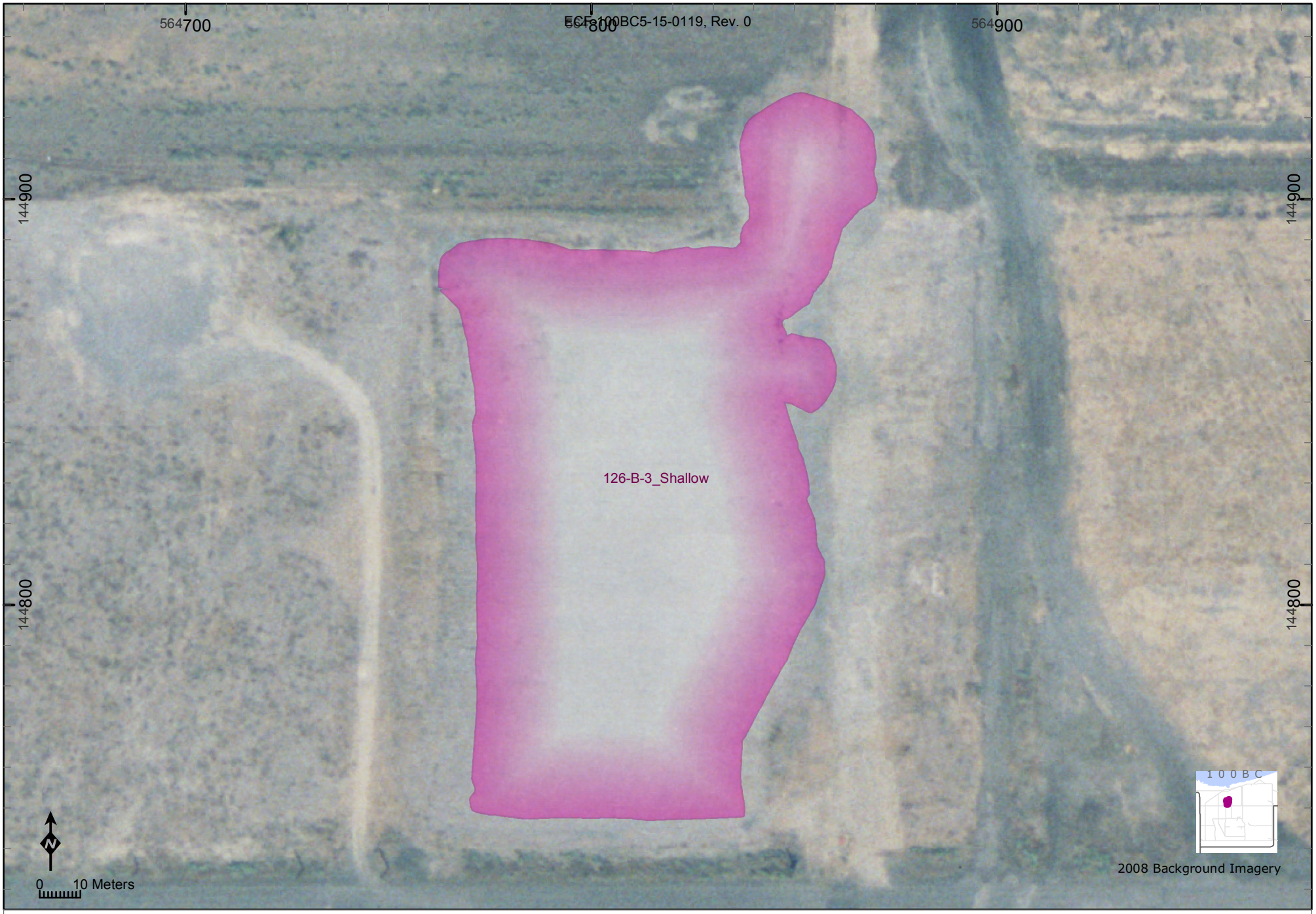
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-C-3-3_Shallow_Focused	**36.7**	202	**60.3**	22	70	1.7	74



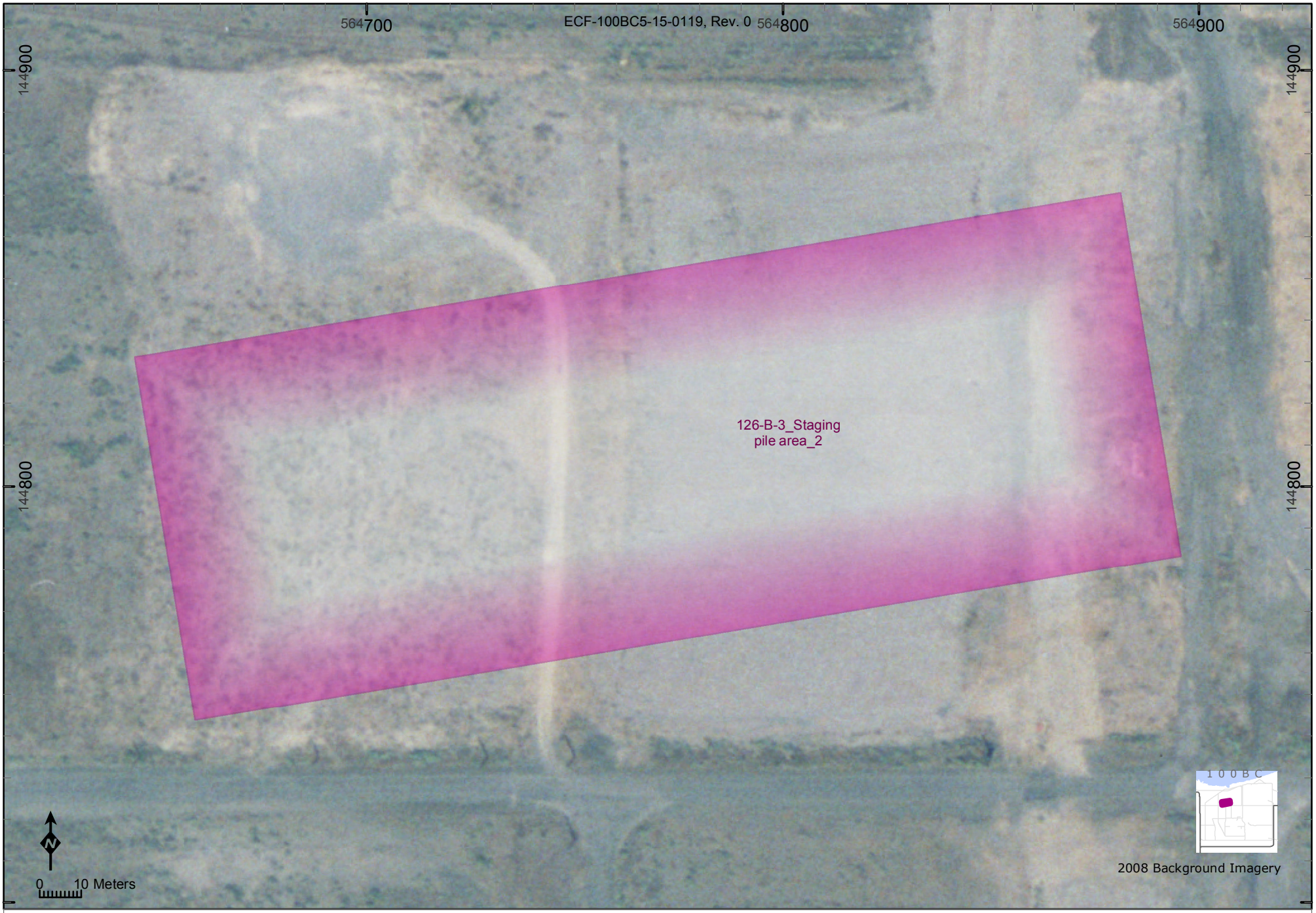
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
118-C-4_Shallow	**6.2**	203	**5.2**	2	24	0.8	10



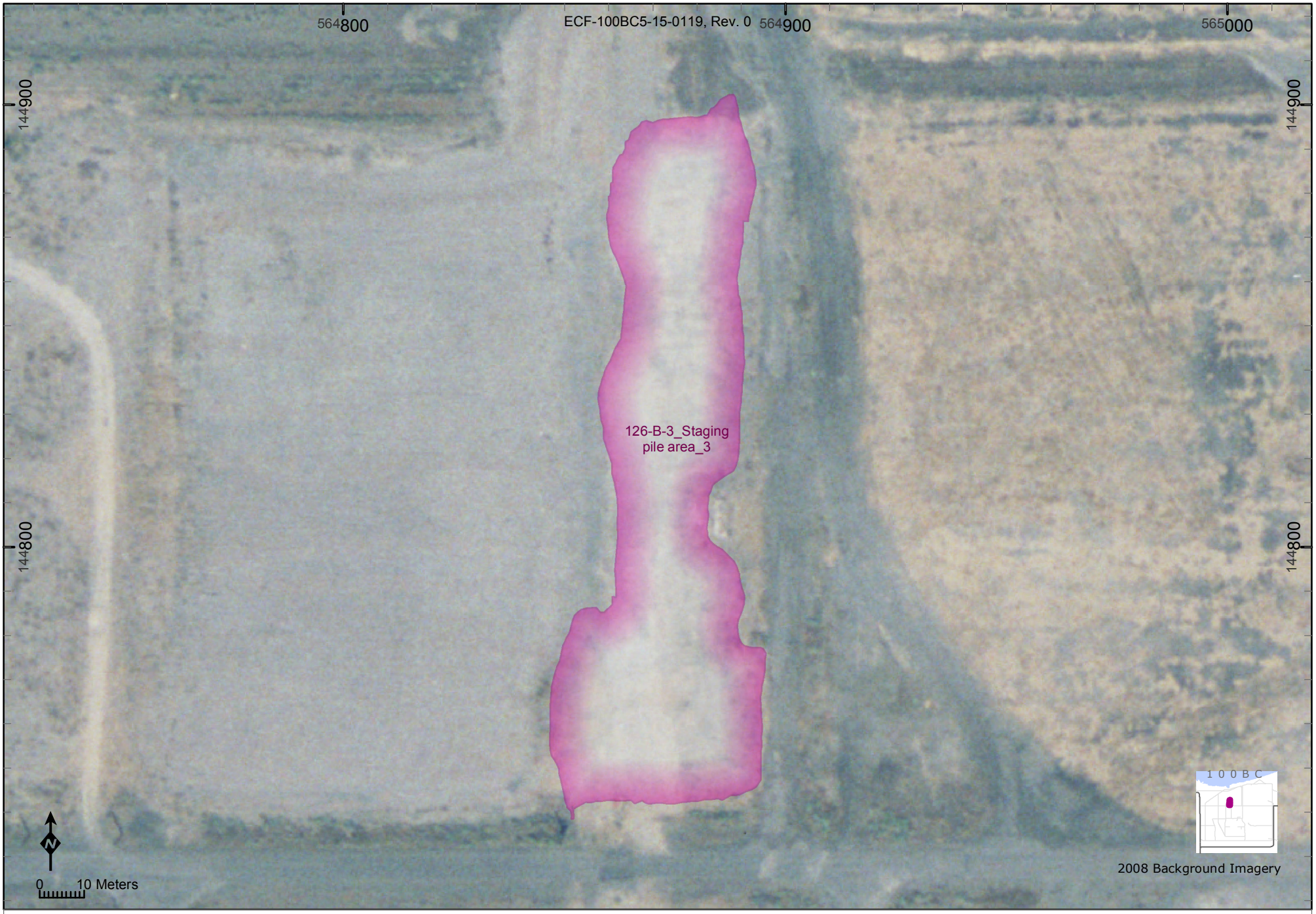
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
120-B-1_Shallow_Focused	**6.4**	204	**10.6**	4	12	0.9	14



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
126-B-3_Shallow	**62.6**	205	**87.4**	59	141	0.2	150

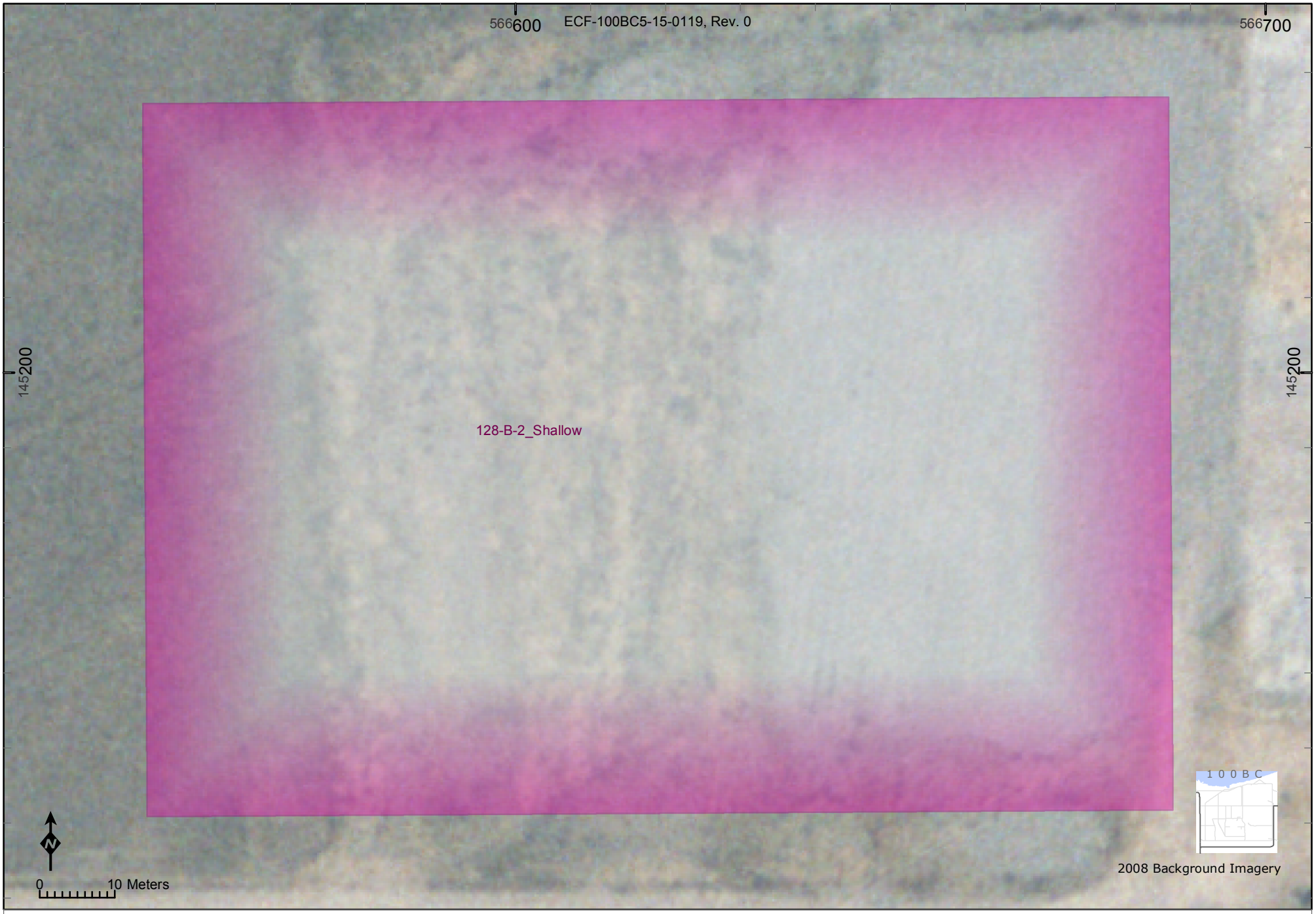


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
126-B-3_Staging pile area_2	**82.2**	206	**84.6**	17	251	3.5	90



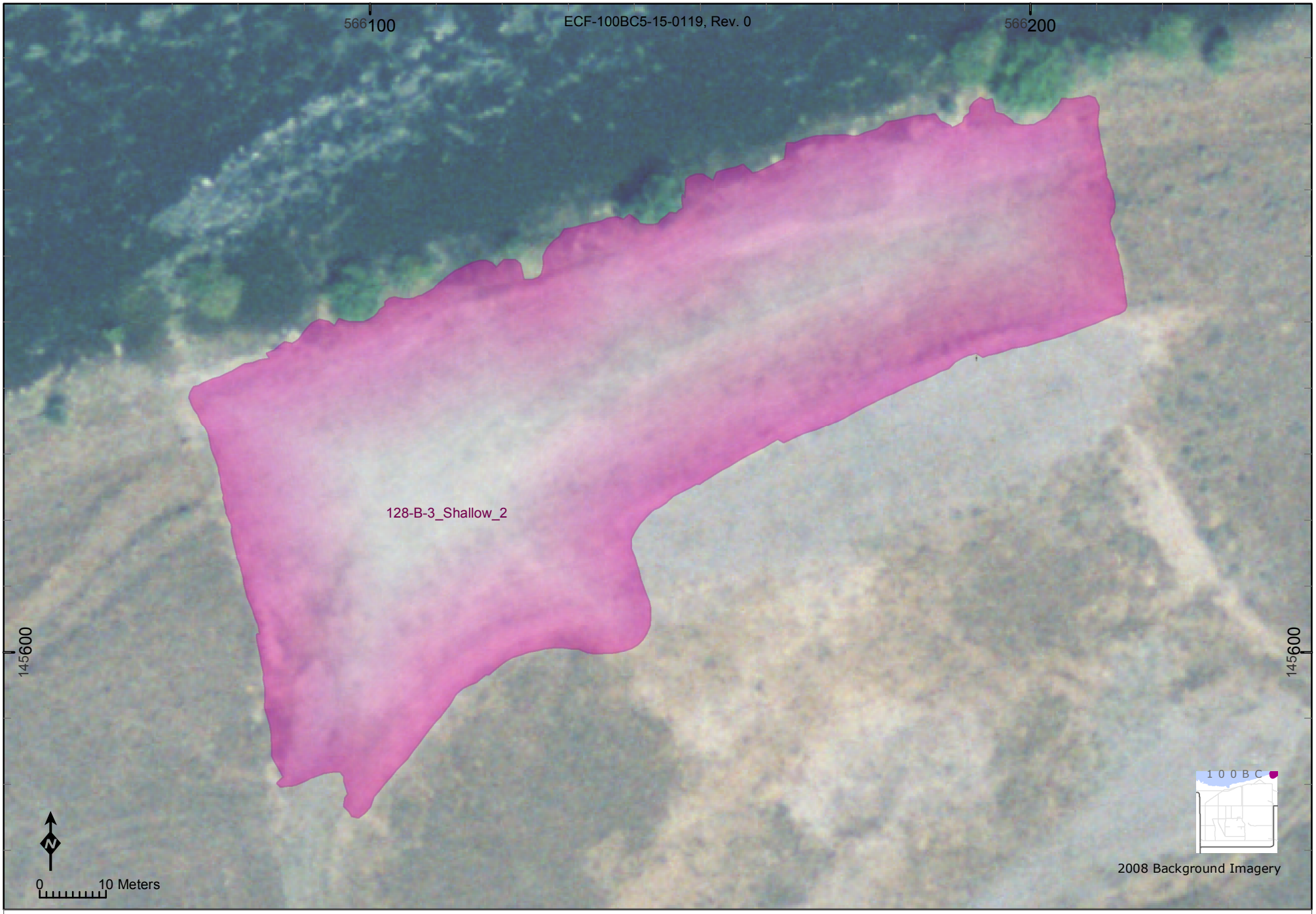
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
126-B-3_Staging pile area_3	**40.2**	207	**67.8**	55	75	1.2	155

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
126-B-3_Staging pile area_Focused	**1.1**	208	**2**	0	3	2	2

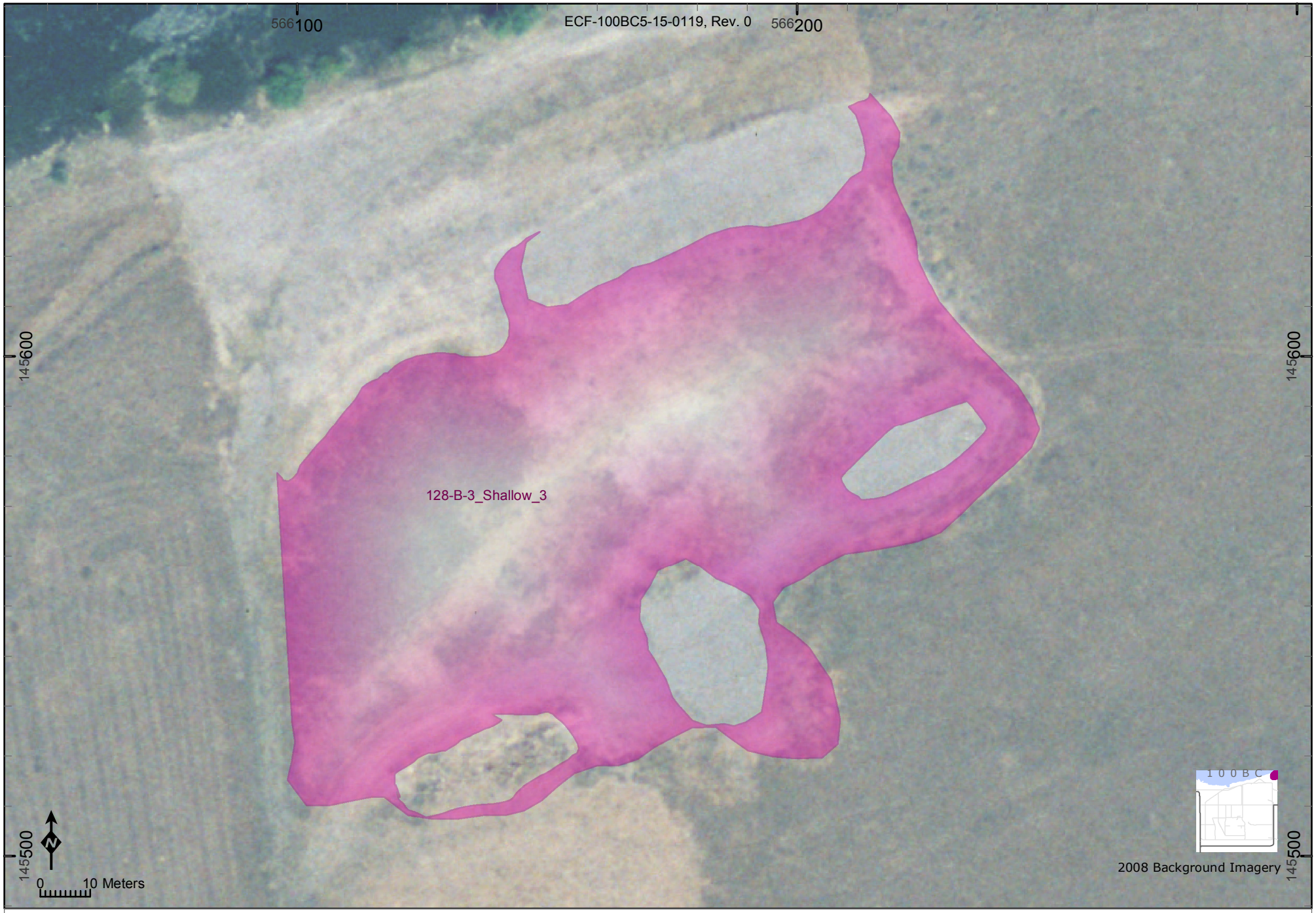


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
128-B-2_Shallow	**64.3**	209	**95**	1	137	87.8	95

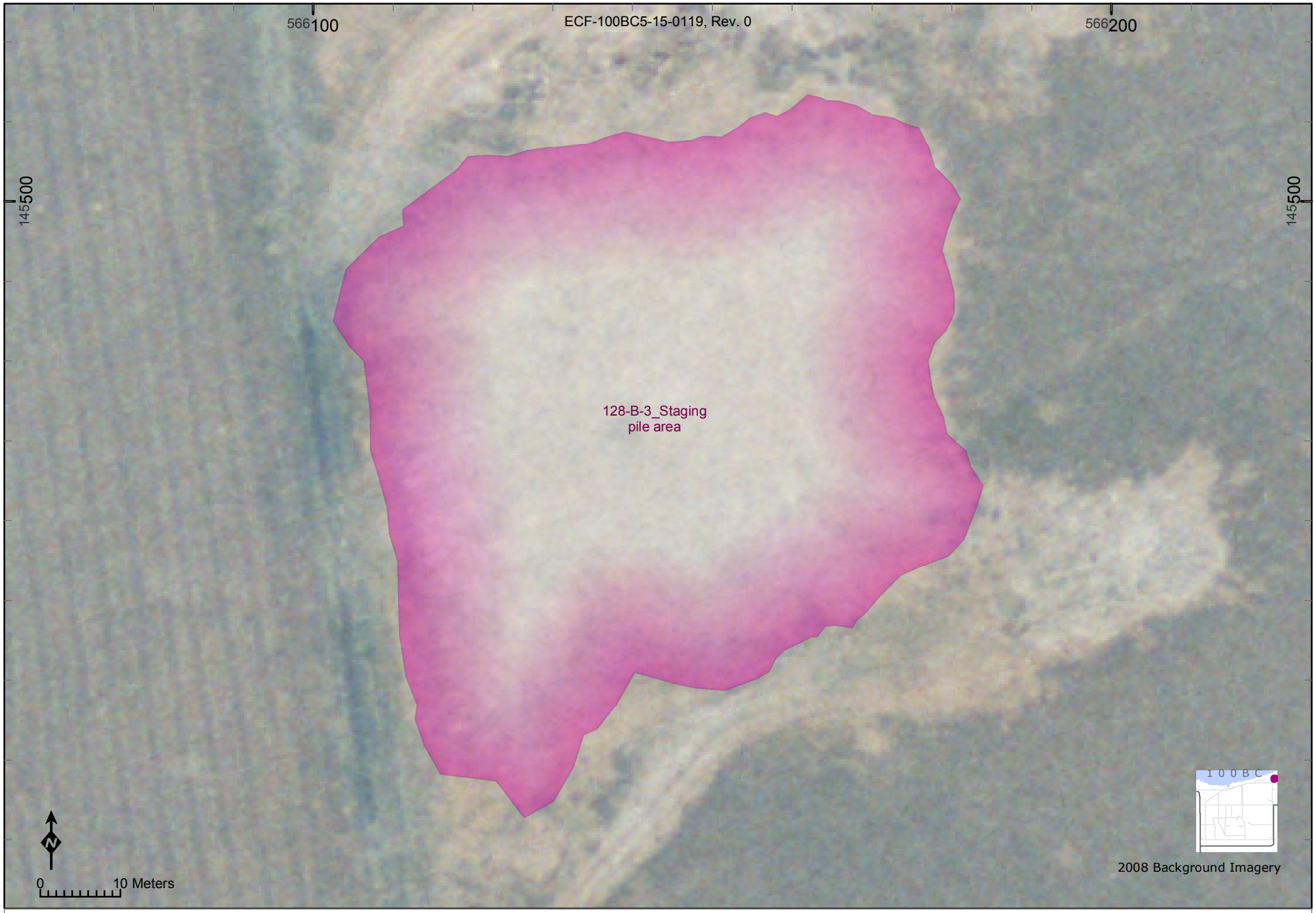
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
128-B-3_Shallow_1	**28.3**	**15.4**	6	163	0.2	32



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
128-B-3_Shallow_2	**46.7**	211	**45.7**	19	150	0.2	75

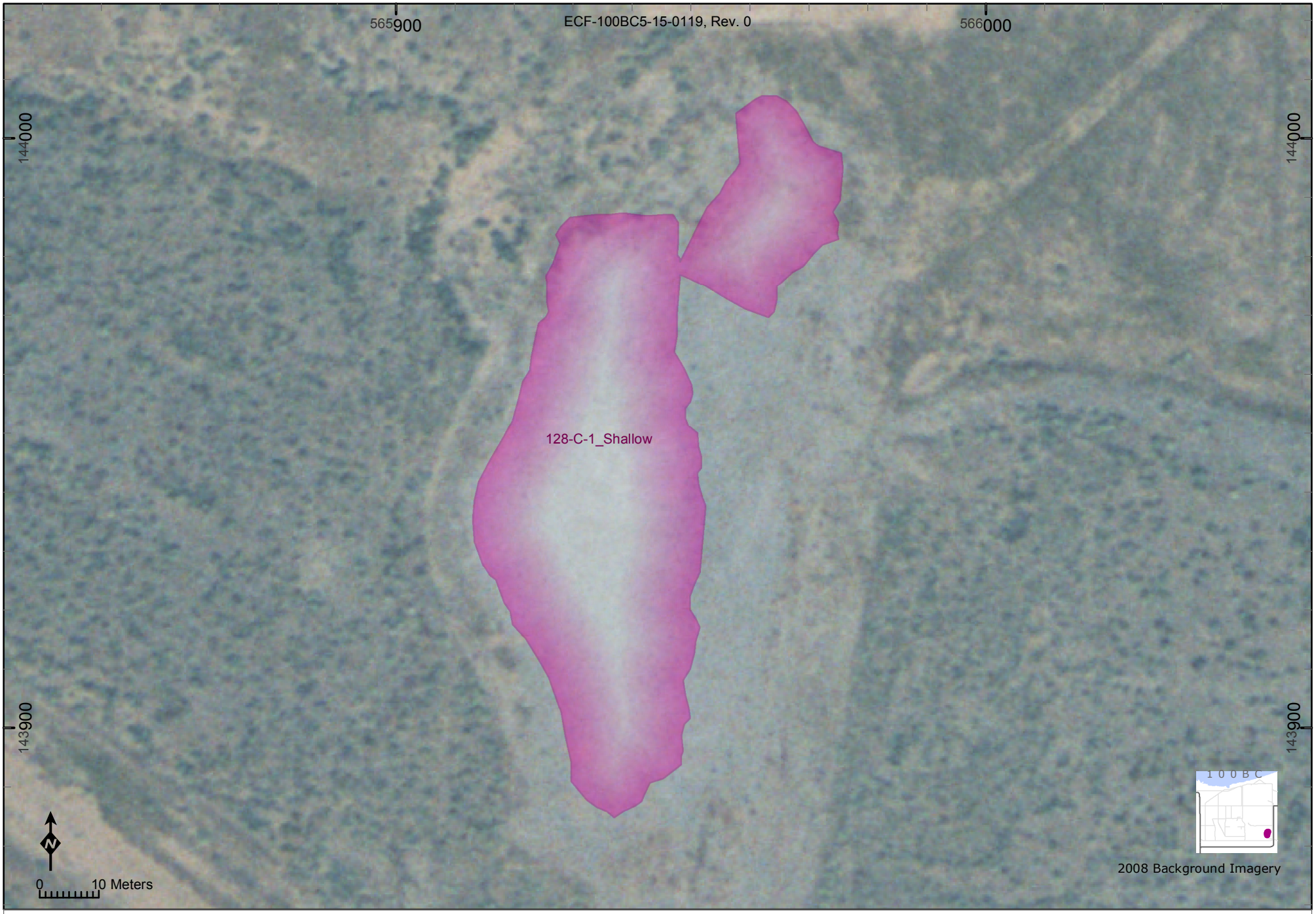


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
128-B-3_Shallow_3	**58.8**	212	**39.8**	34	273	0.1	106

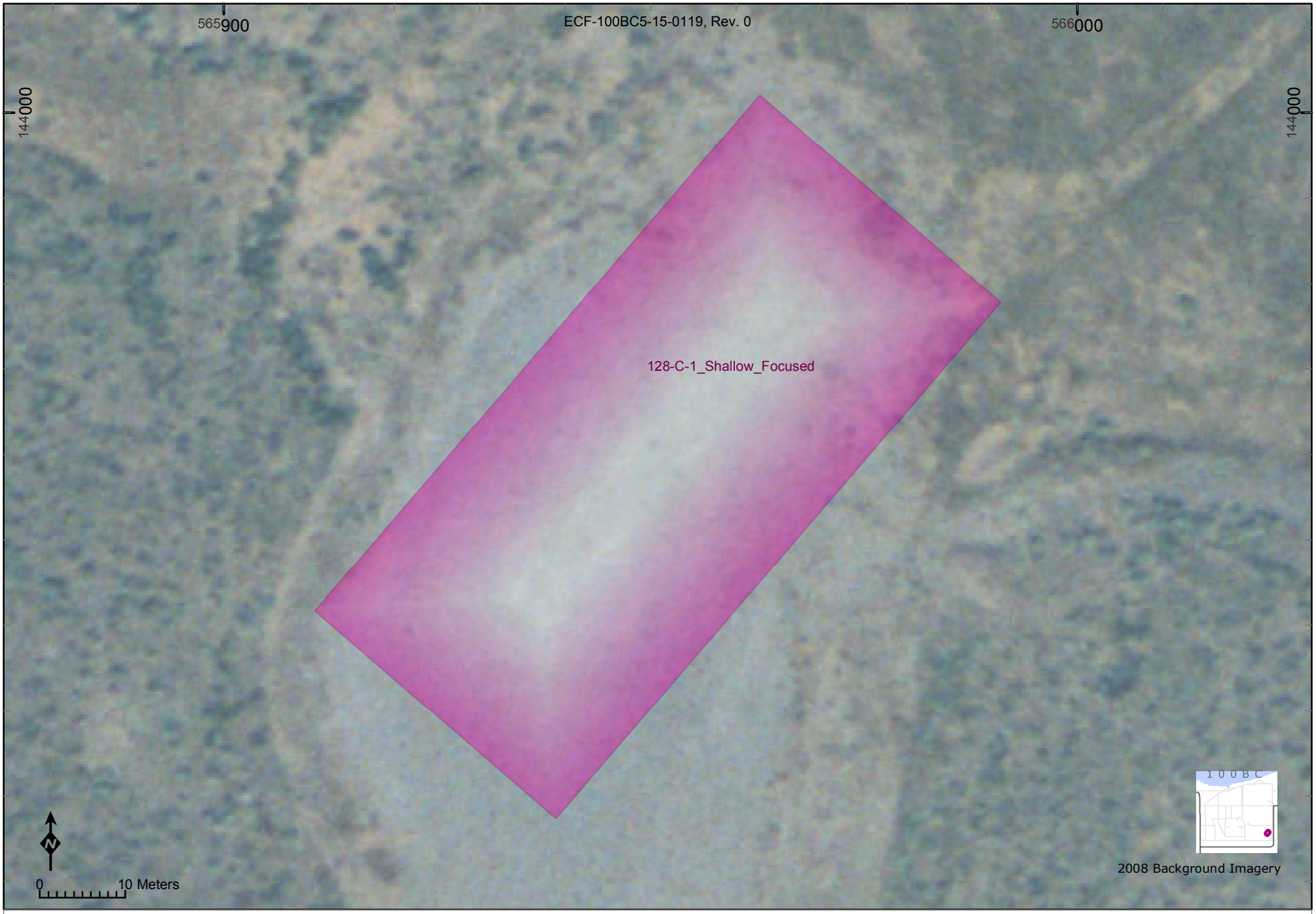


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
128-B-3_Staging pile area	**39.7**	213	**56.2**	25	88	2.2	83

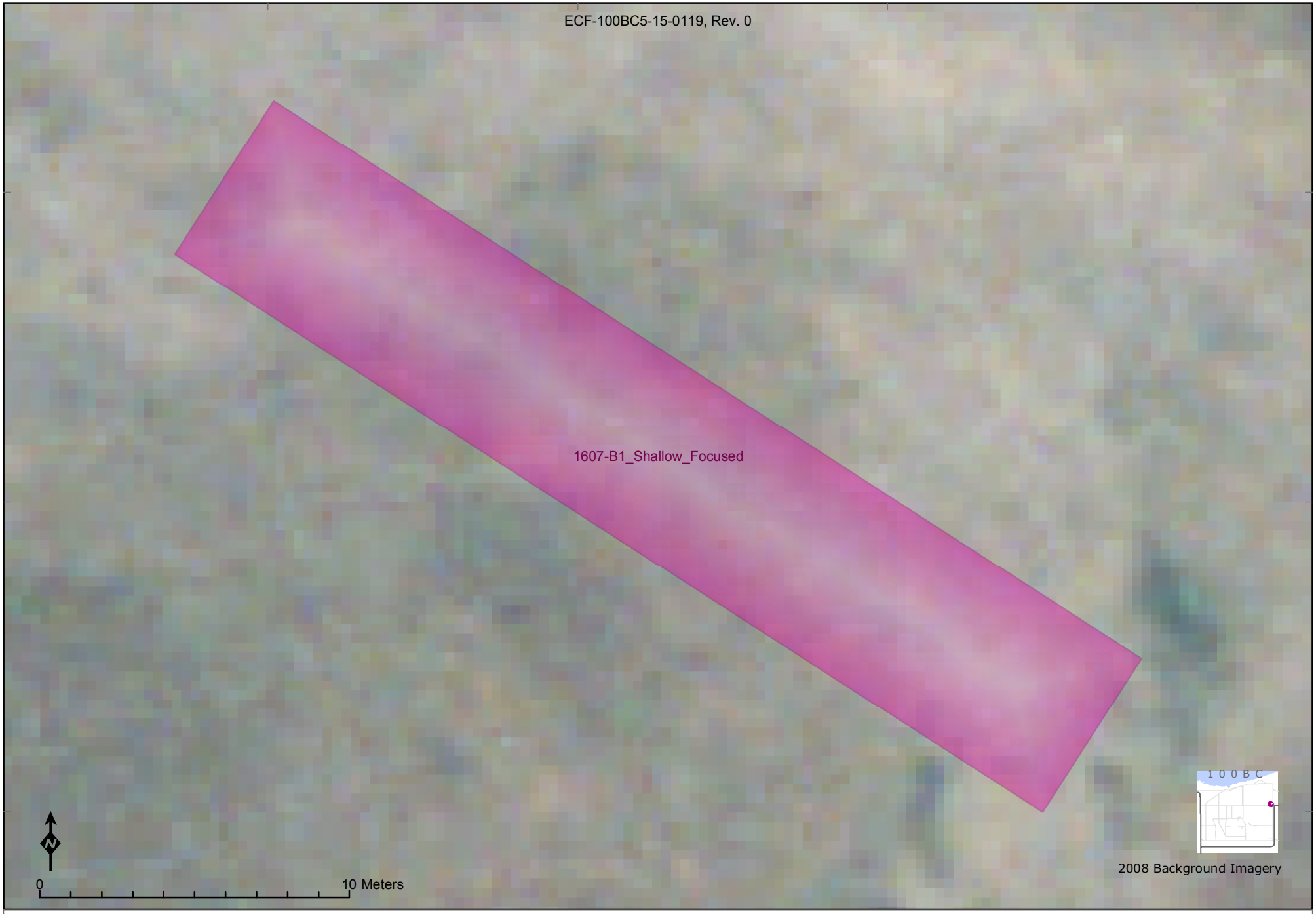
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
128-B-3_Staging pile area_Focused	**3.8**	214	**4.3**	2	11	1.5	8



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
128-C-1_Shallow	**32.5**	215	**45.4**	36	73	0.3	102

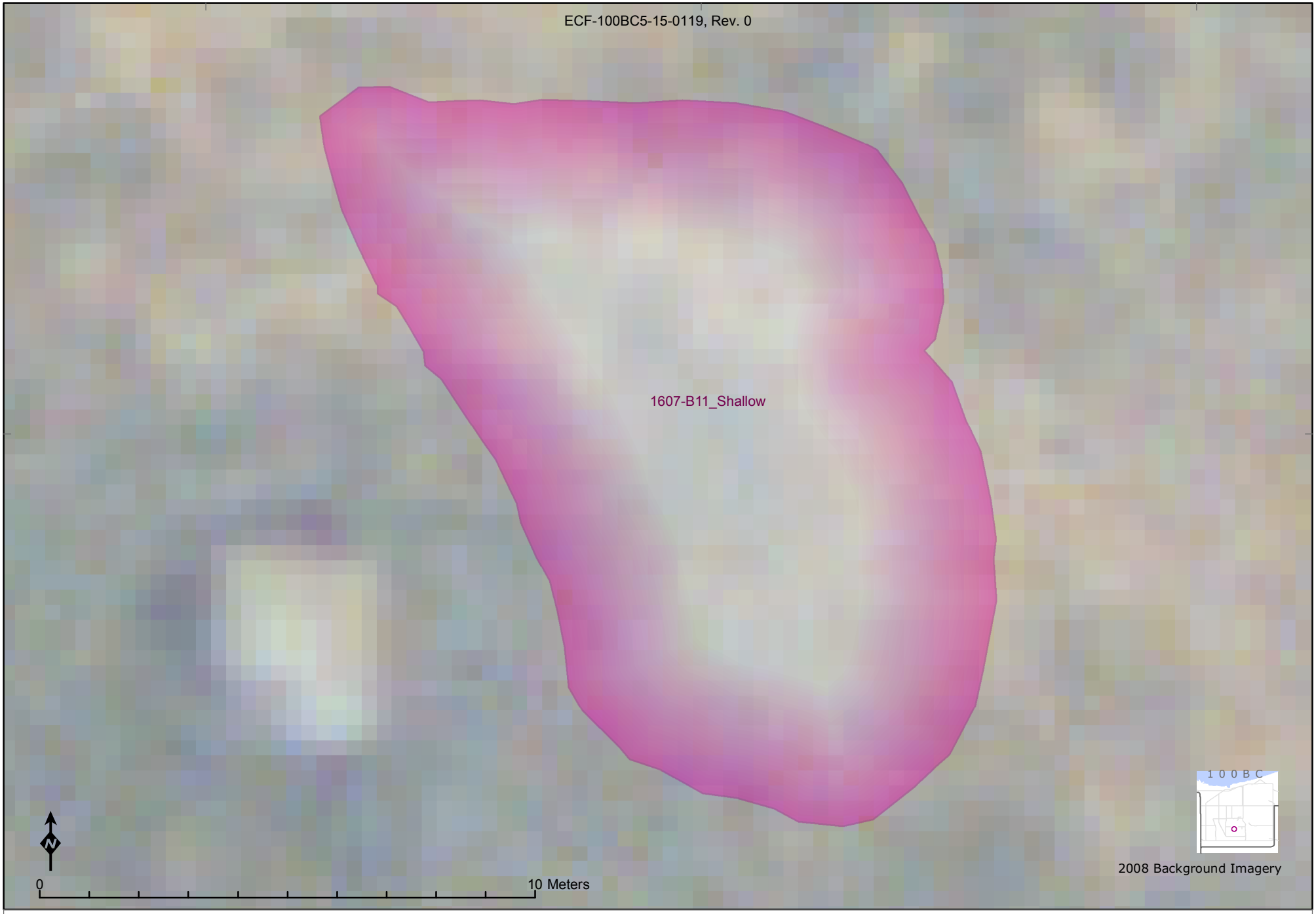


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
128-C-1_Shallow_Focused	**30.7**	216	**37**	19	80	0.5	57



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
1607-B1_Shallow_Focused	**7.9**	217	**6.3**	2	31	0.4	7

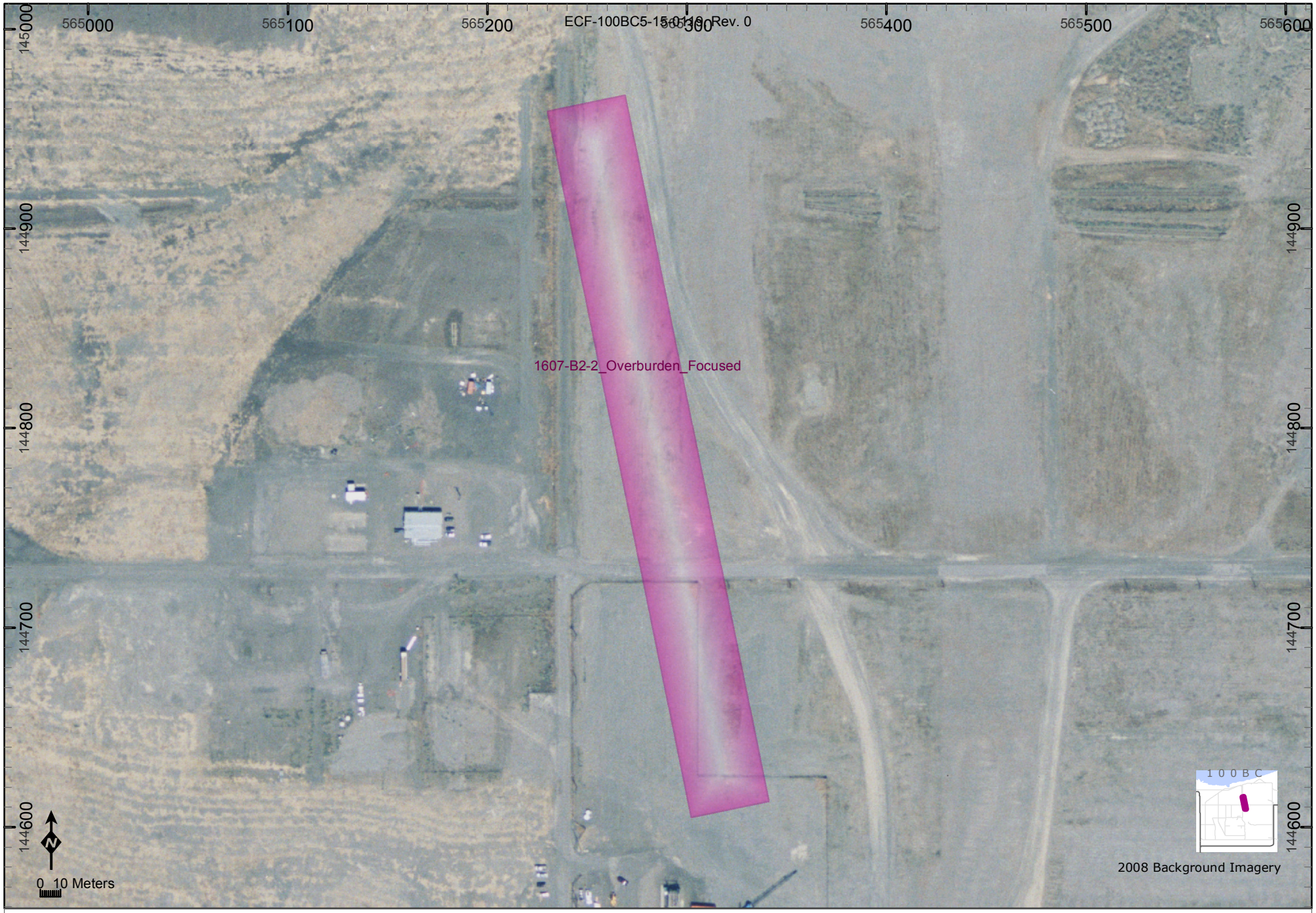
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
1607-B10_Shallow	**7.5**	218	**14.6**	4	12	4.3	18



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
1607-B11_Shallow	**6.6**	219	**10.2**	4	13	3	14

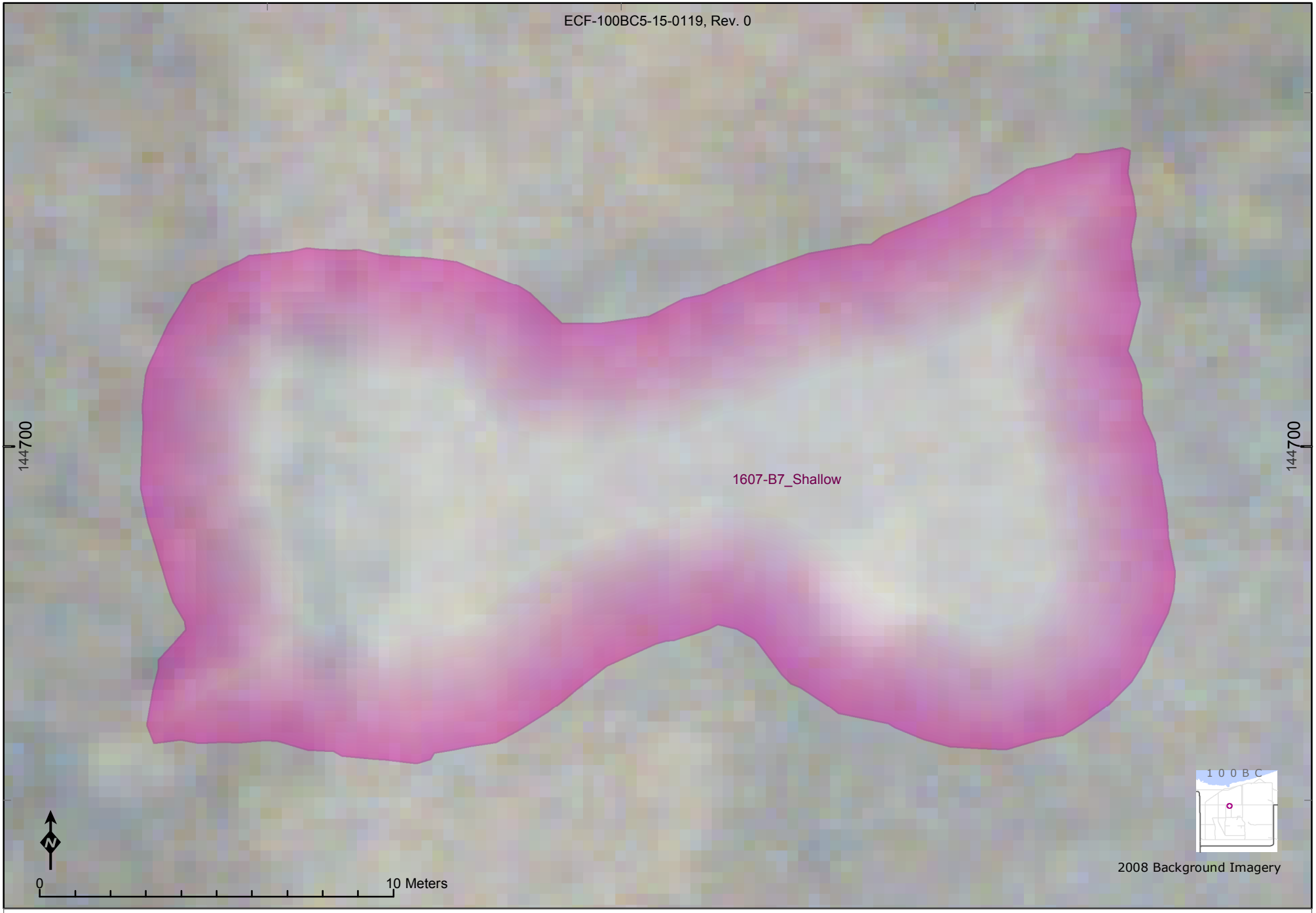
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics				
		Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
1607-B2-1_Overburden_Focused	**21.3**	**10.6**	4	134	0.2	19

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
1607-B2-1_Shallow	**42.8**	221	**35.7**	27	161	0.1	77



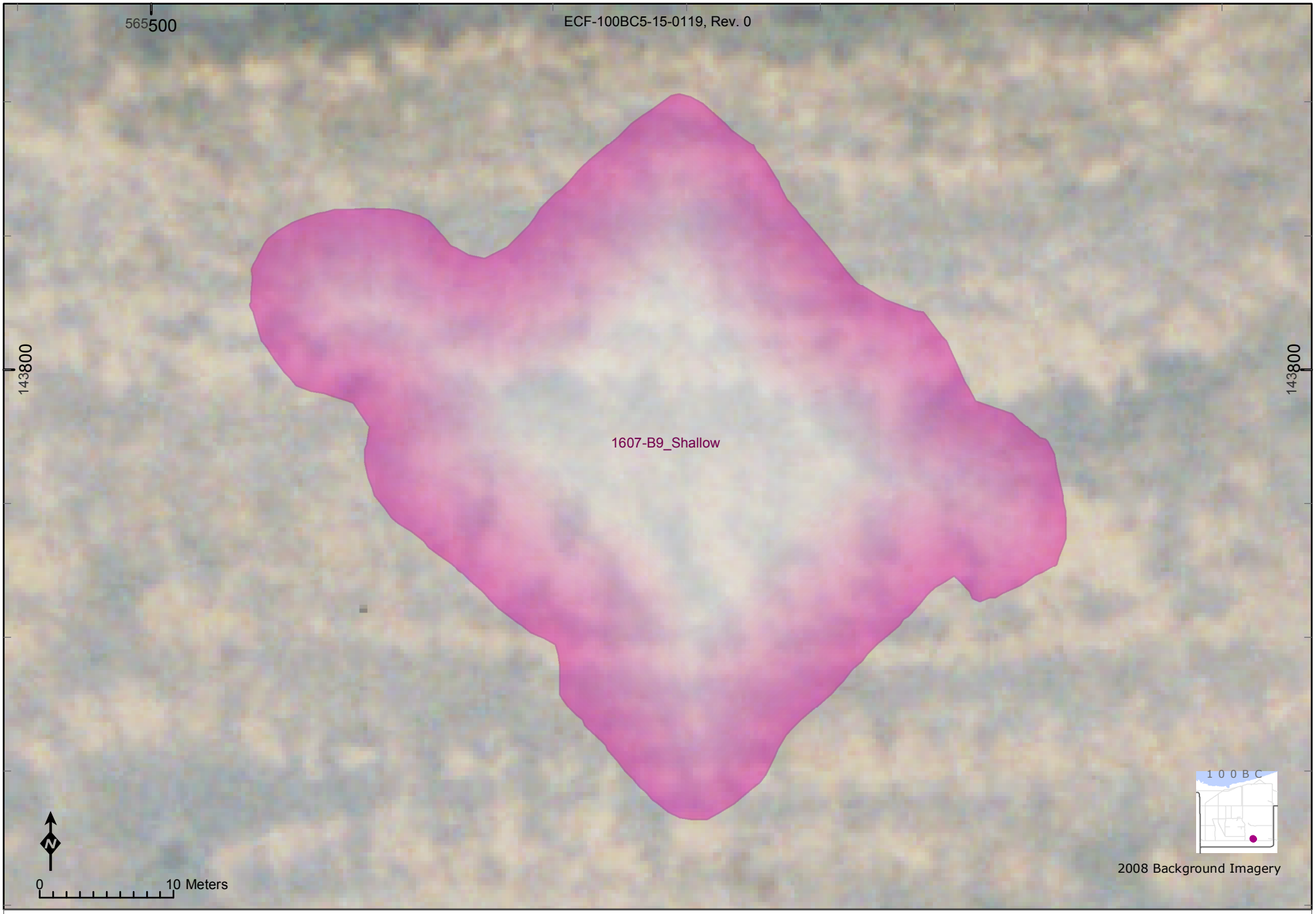
Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
1607-B2-2_Overburden_Focused	**67.7**	222	**129.6**	67	111	0.2	200

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
1607-B2-2_Shallow	**77.2**	223	**240.1**	135	78	10.8	444

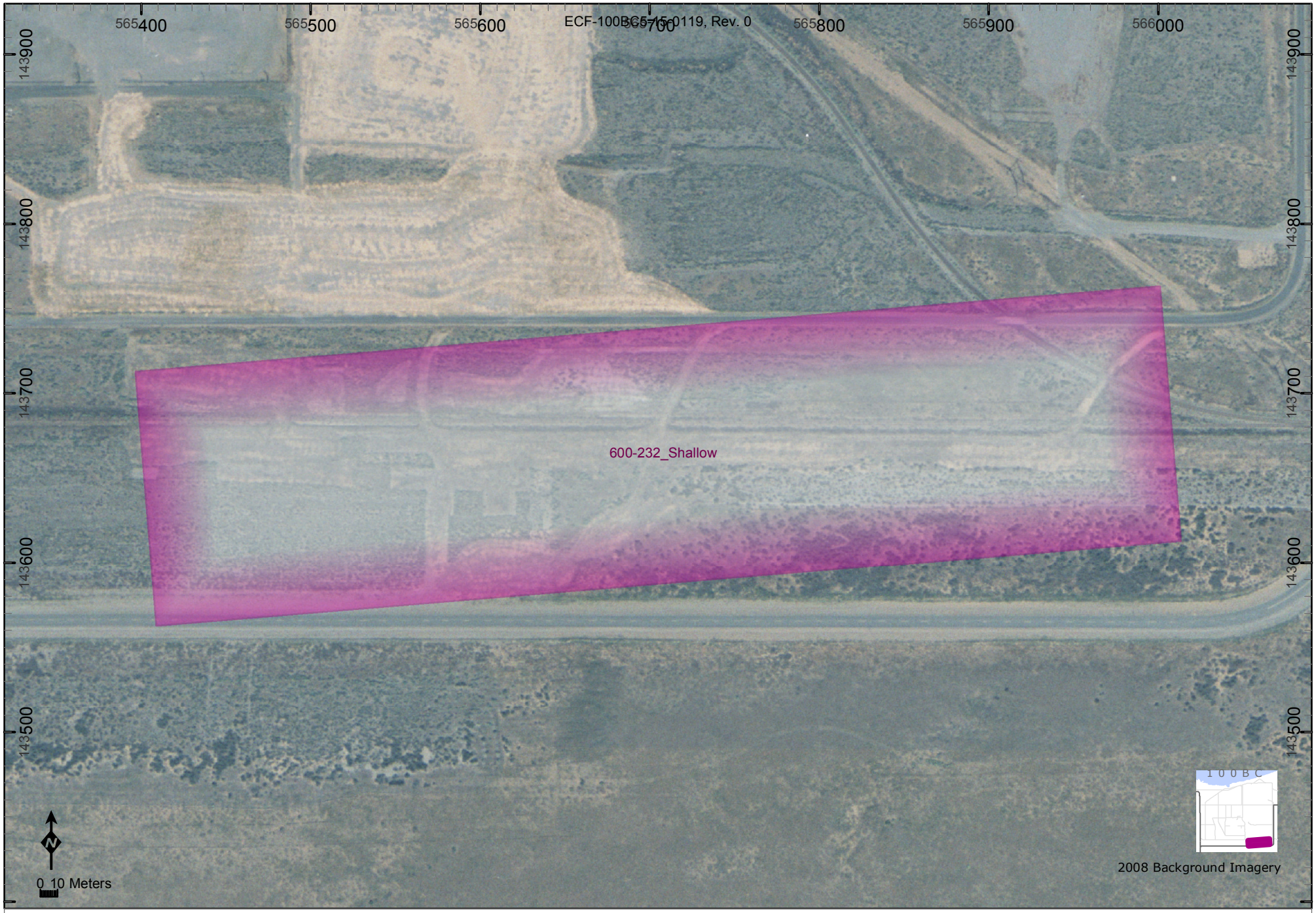


Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)		Intersected Flow Vectors Statistics Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
1607-B7_Shallow	**10.8**	224	**12.3**	3	30	2.4	16

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
1607-B8_Shallow	**9**	225	**14.3**	6	18	2.9	20



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
1607-B9_Shallow	**23.5**	226	**28**	15	62	1.2	54



Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
600-232_Shallow	**170.4**	227	**147.8**	17	617	3	151

Representative Lineal Dimension (RLD) Methods for Decision Unit:	Equivalent Area of Circle Radius (m)	Intersected Flow Vectors Statistics					
			Ave. Length (m)	Std.Dev.	Count	Min.Len.(m)	Max.Len.(m)
600-233_Shallow_Focused	**4.6**	228	**2.1**	1	31	1.3	3