CONCENTRATION LEGEND

- ND – 1.58
- 1.58 – 15.8
- >15.8

NOAEL–BASED BENCHMARK – BIRDS	LOAEL–BASED PRG – BIRDS
1.58	15.8

NOTES

ND – NON DETECT
PRG – PRELIMINARY REMEDIATION GOALS
ALL SAMPLES ARE IN PICOGRAMS PER KILOGRAMS

250 0 250 Feet

Title:
CONCENTRATIONS OF TOTAL TEQ - DIOXINS AND FURANS IN PHASE II SOIL - BIRDS

2000 ALUMINUM DRIVE
COLUMBIA FALLS, MONTANA

Prepared For:
COLUMBIA FALLS ALUMINUM COMPANY, LLC

ROUX

Compiled by: L.J.	Date: 14JUN18	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	1
Project Mgr: M.R.	Project: 2476.0001Y006	
File: 2476.0001Y222.3.mxd		

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CONCENTRATION LEGEND

- ND – 0.315
- 0.315 – 3.15
- >3.15

NOAEL–BASED BENCHMARK – MAMMALS	LOAEL–BASED PRG – MAMMALS
0.315	3.15

NOTES

ND – NON DETECT
PRG – PRELIMINARY REMEDIATION GOALS
ALL SAMPLES ARE IN PICOGRAMS PER KILOGRAMS

250 0 250 Feet

Title:
CONCENTRATIONS OF TOTAL TEQ - DIOXINS AND FURANS IN PHASE II SOIL - MAMMALS

2000 ALUMINUM DRIVE
COLUMBIA FALLS, MONTANA

Prepared For:
COLUMBIA FALLS ALUMINUM COMPANY, LLC

ROUX

Compiled by: L.J.	Date: 14JUN18	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	2
Project Mgr: M.R.	Project: 2476.0001Y006	
File: 2476.0001Y222.4.mxd		

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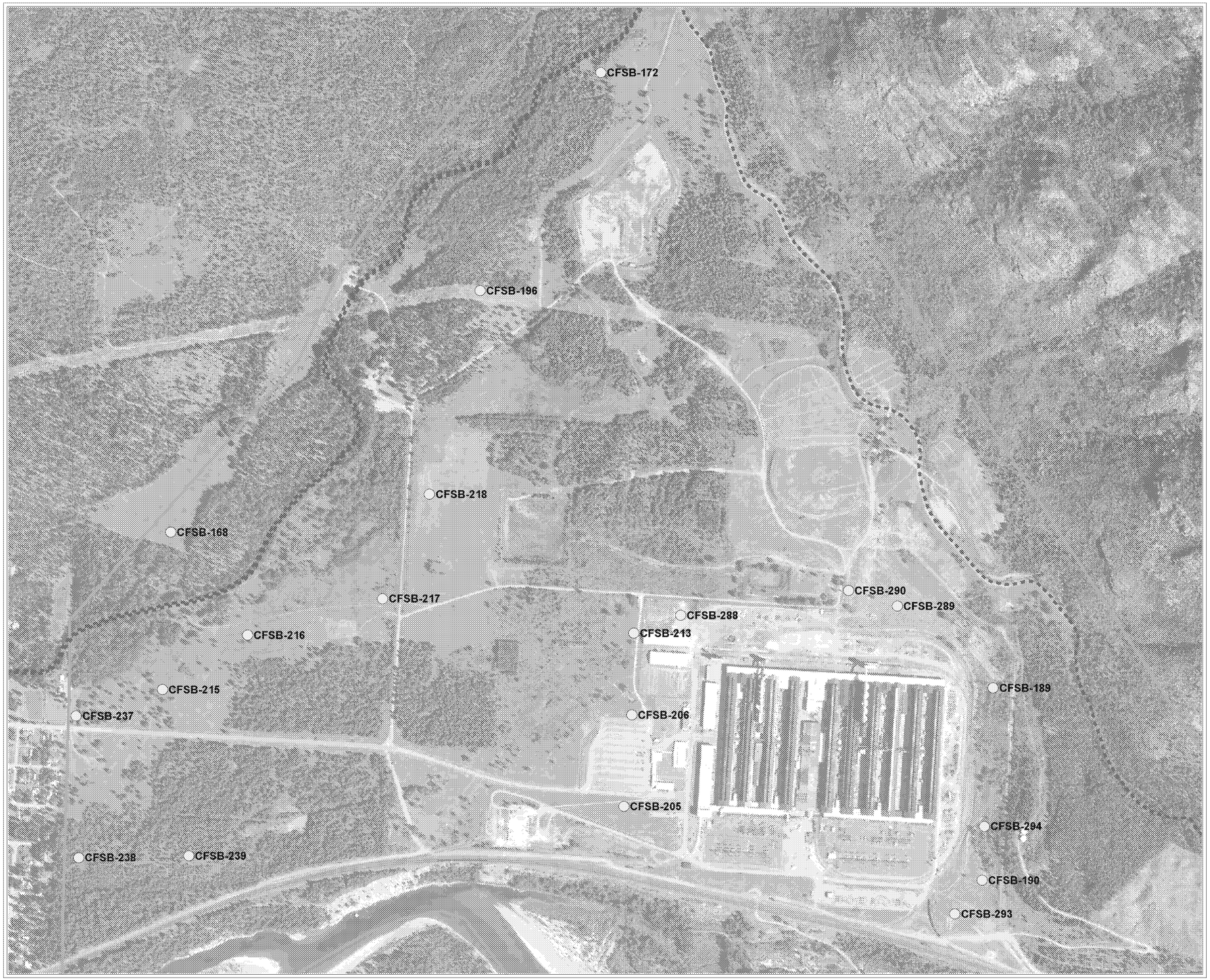

LEGEND

PHASE 2 SOIL BORING – SOIL COLLECTED TO 2 FT WITH HAND TOOLS

800 0 800 Feet

Title:

PROPOSED PHASE II SOIL BORINGS AND SOIL SAMPLING LOCATIONS FOR DIOXINS AND FURANS

2000 ALUMINUM DRIVE
COLUMBIA FALLS, MONTANA

Prepared For:

COLUMBIA FALLS ALUMINUM COMPANY, LLC

ROUX

Compiled by: L.J.	Date: 14JUN18	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	3
Project Mgr: M.R.	Project: 2476.0001Y006	
File: 2476.0001Y222.5.mxd		

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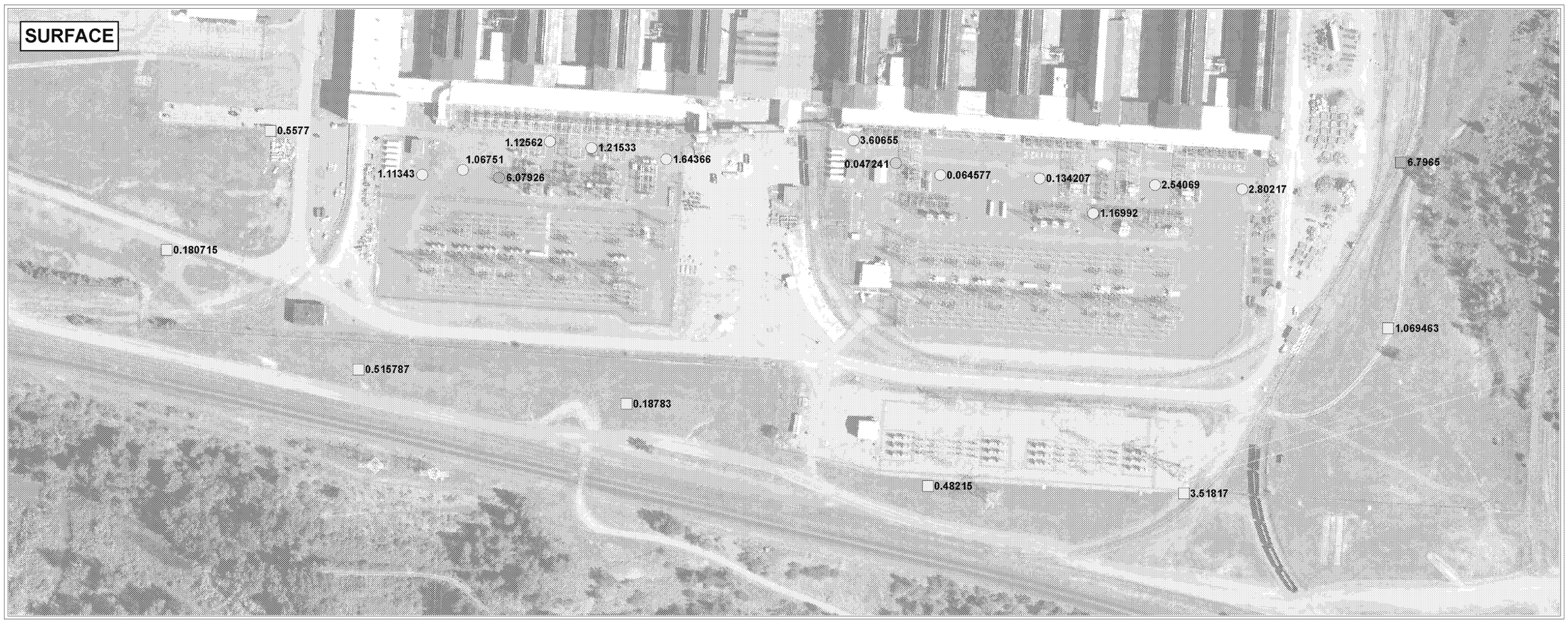

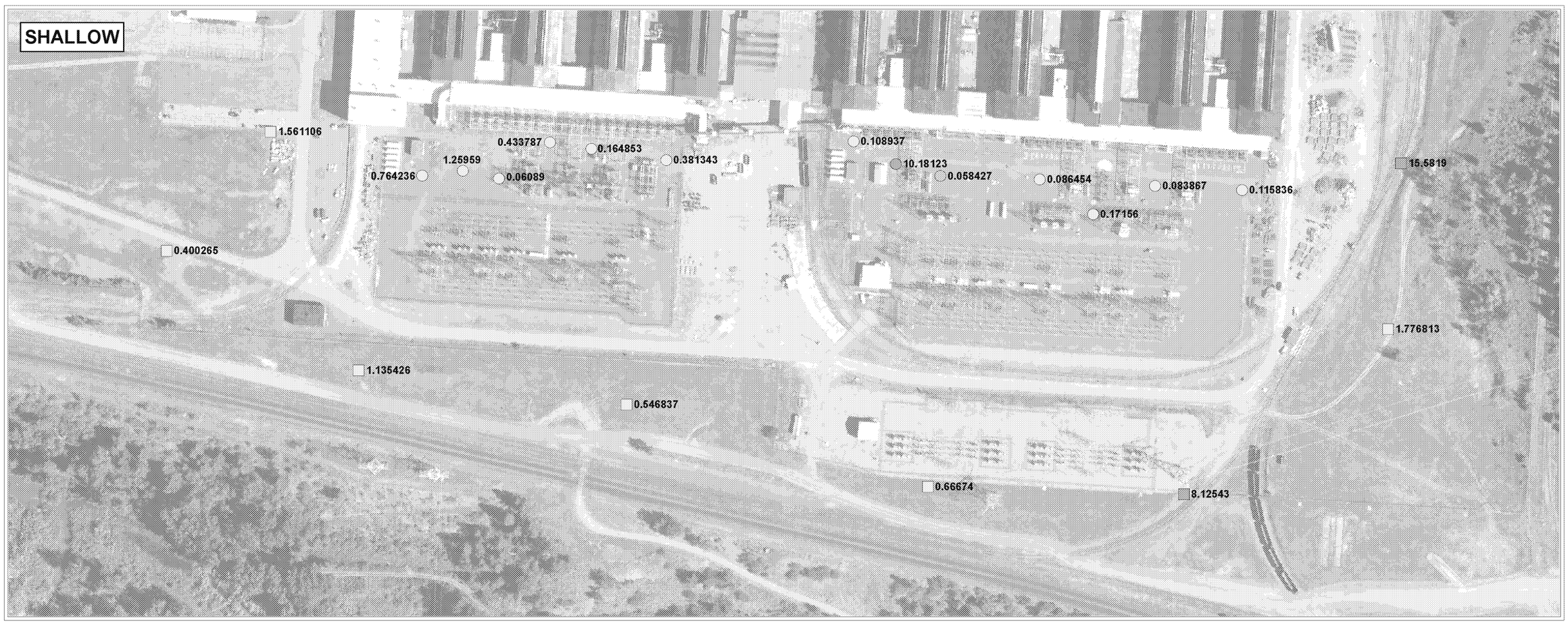

CONCENTRATION LEGEND

PHASE 1	PHASE 2	
●	■	ND – 0.059
○	□	0.059 – 4.8
●	■	4.8 – 22
●	■	>22

CHEMICAL NAME	EPA INDUSTRIAL SOIL RSL FOR 2,3,7,8–TCDD	EPA RESIDENTIAL SOIL RSL FOR 2,3,7,8–TCDD	EPA HUMAN HEALTH PROTECTION OF GW – RISK–BASED SSL FOR 2,3,7,8–TCDD
DIOXINS AND FURANS	22	4.8	0.059

NOTES

ND – NON DETECT
ALL SAMPLES ARE IN PICOGRAMS PER KILOGRAMS

N

100 0 100 200 Feet

Title:

CONCENTRATIONS OF TOTAL TEQ - DIOXINS AND FURANS IN PHASE I AND PHASE II SOIL

2000 ALUMINUM DRIVE
COLUMBIA FALLS, MONTANA

Prepared For:

COLUMBIA FALLS ALUMINUM COMPANY, LLC

ROUX

Compiled by: L.J.	Date: 14JUN18	PLATE
Prepared by: M.S.R.	Scale: AS SHOWN	1
Project Mgr: L.J.	Project: 2476.0001Y006	
File: 2476.0001Y222.1.mxd		

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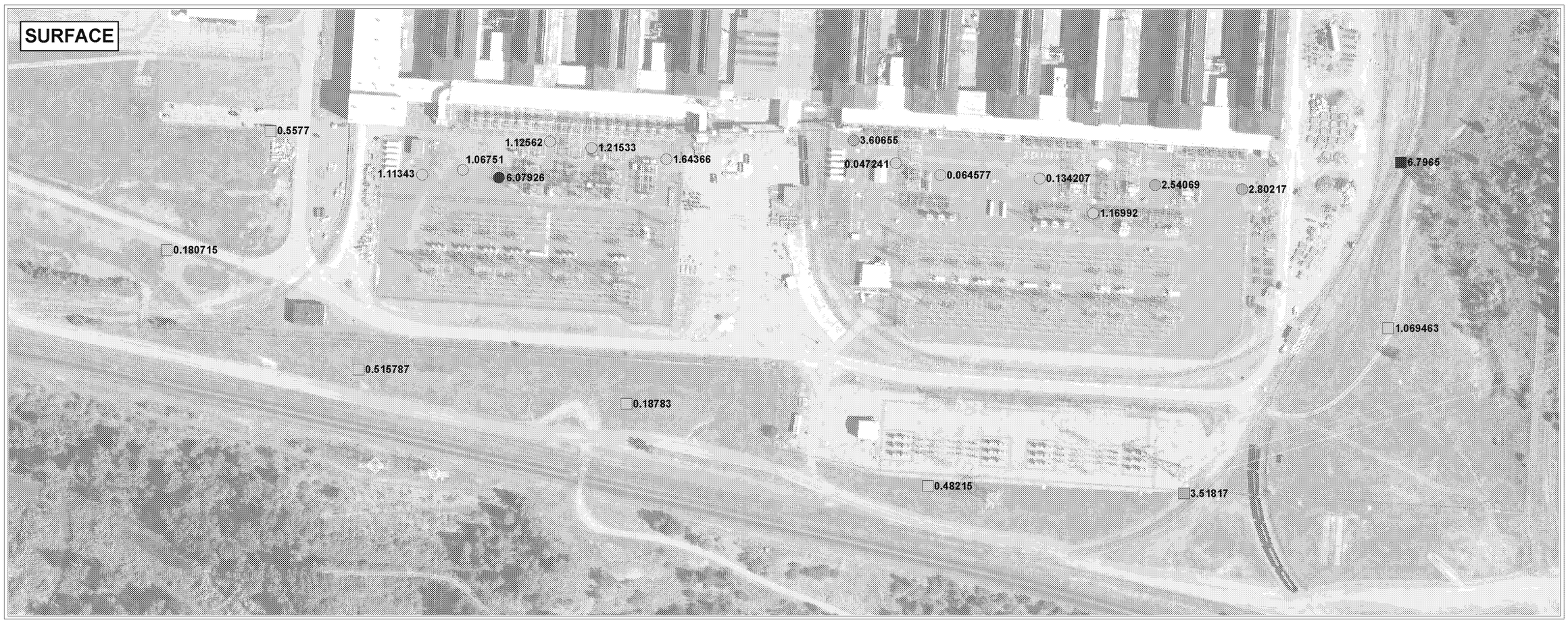

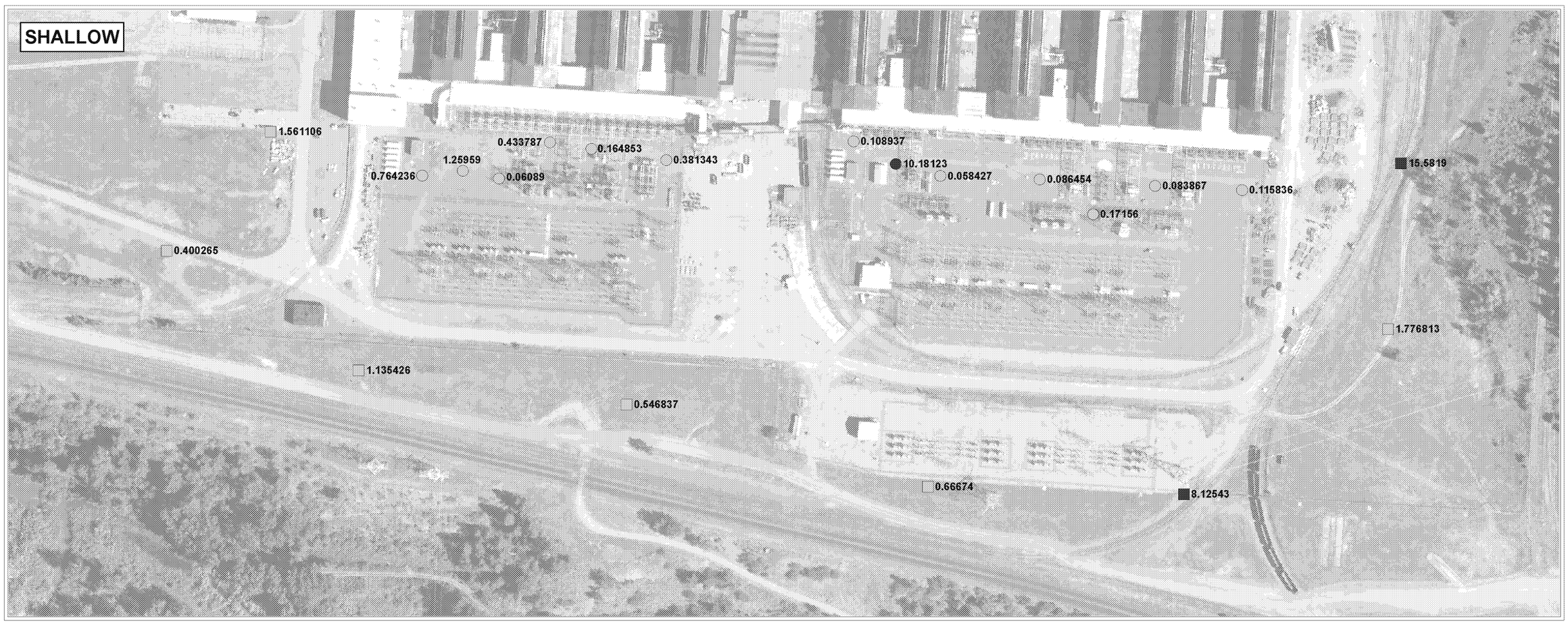

CONCENTRATION LEGEND

PHASE 1	PHASE 2	
●	■	ND – 1.817
○	□	1.817 – 2.43
●	■	2.43 – 5.84
●	■	>5.84

CHEMICAL NAME	EPA INDUSTRIAL SOIL RSL FOR 2,3,7,8-TCDD	EPA RESIDENTIAL SOIL RSL FOR 2,3,7,8-TCDD	EPA HUMAN HEALTH PROTECTION OF GW – RISK-BASED SSL FOR 2,3,7,8-TCDD
DIOXINS AND FURANS	22	4.8	0.059

NOTES

UTL – Upper Tolerance Limit
ND – NON DETECT
ALL SAMPLES ARE IN PICOGRAMS PER KILOGRAMS
Montana Background UTLs from the MDEQ Montana Dioxin Background Investigation Report dated April 2011.

N

100 0 100 200 Feet

Title:

CONCENTRATIONS OF TOTAL TEQ - DIOXINS AND FURANS IN PHASE I AND PHASE II SOIL

2000 ALUMINUM DRIVE
COLUMBIA FALLS, MONTANA

Prepared For:

COLUMBIA FALLS ALUMINUM COMPANY, LLC

ROUX

Compiled by: L.J.	Date: 14JUN18	PLATE
Prepared by: M.S.R.	Scale: AS SHOWN	2
Project Mgr: L.J.	Project: 2476.0001Y006	
File: 2476.0001Y222.2.mxd		

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