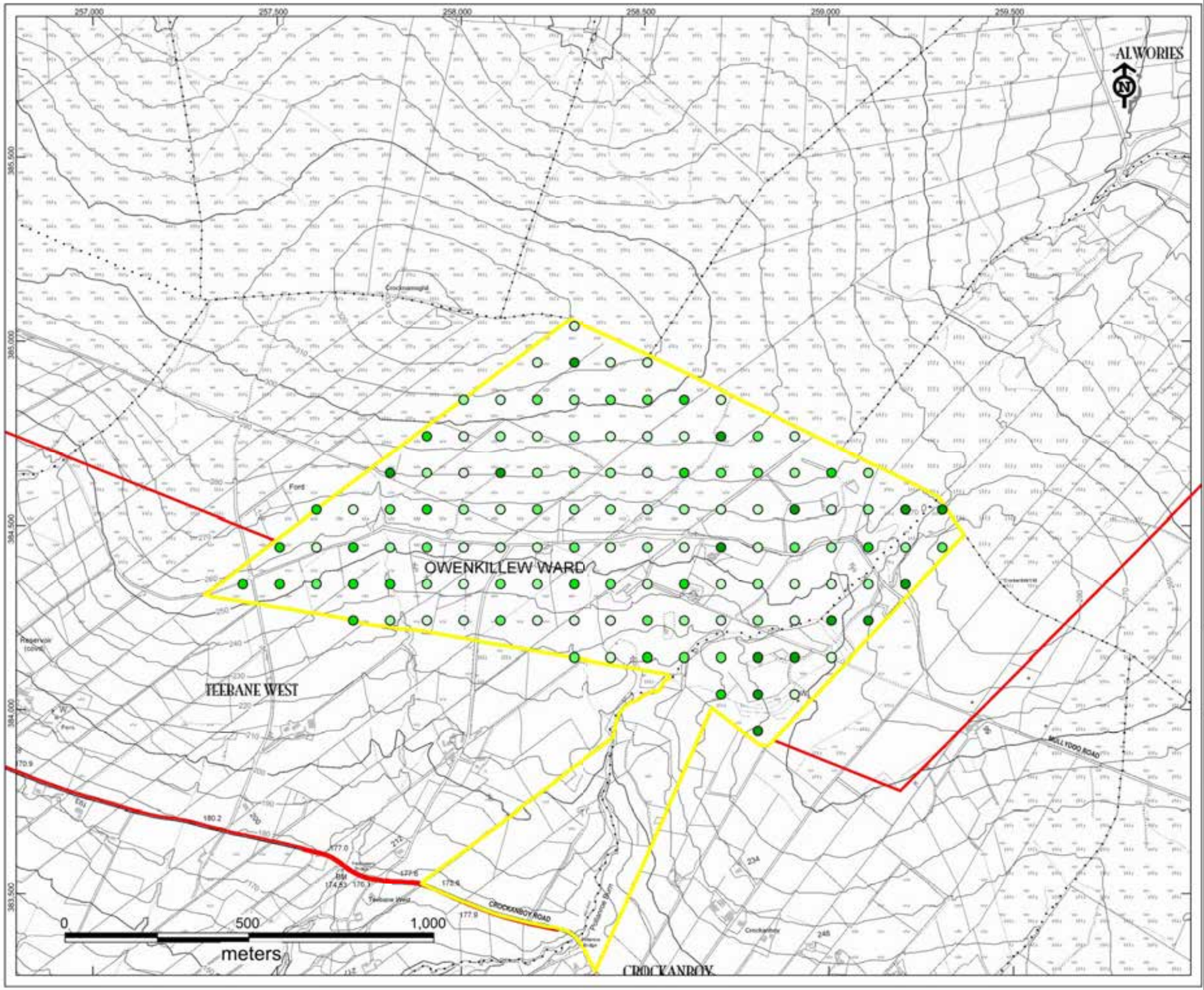

LEGEND

Aluminium in Soils
mg/kg

- 12,100 to 18,200 (15)
- 10,300 to 12,100 (18)
- 8,900 to 10,300 (20)
- 7,400 to 8,900 (26)
- 900 to 7,400 (42)

APPLICATION AREA

INFRASTRUCTURE AREA A

Notes:
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CURRAGHINALT GOLD PROJECT: EIA

BASELINE - INFRASTRUCTURE AREA

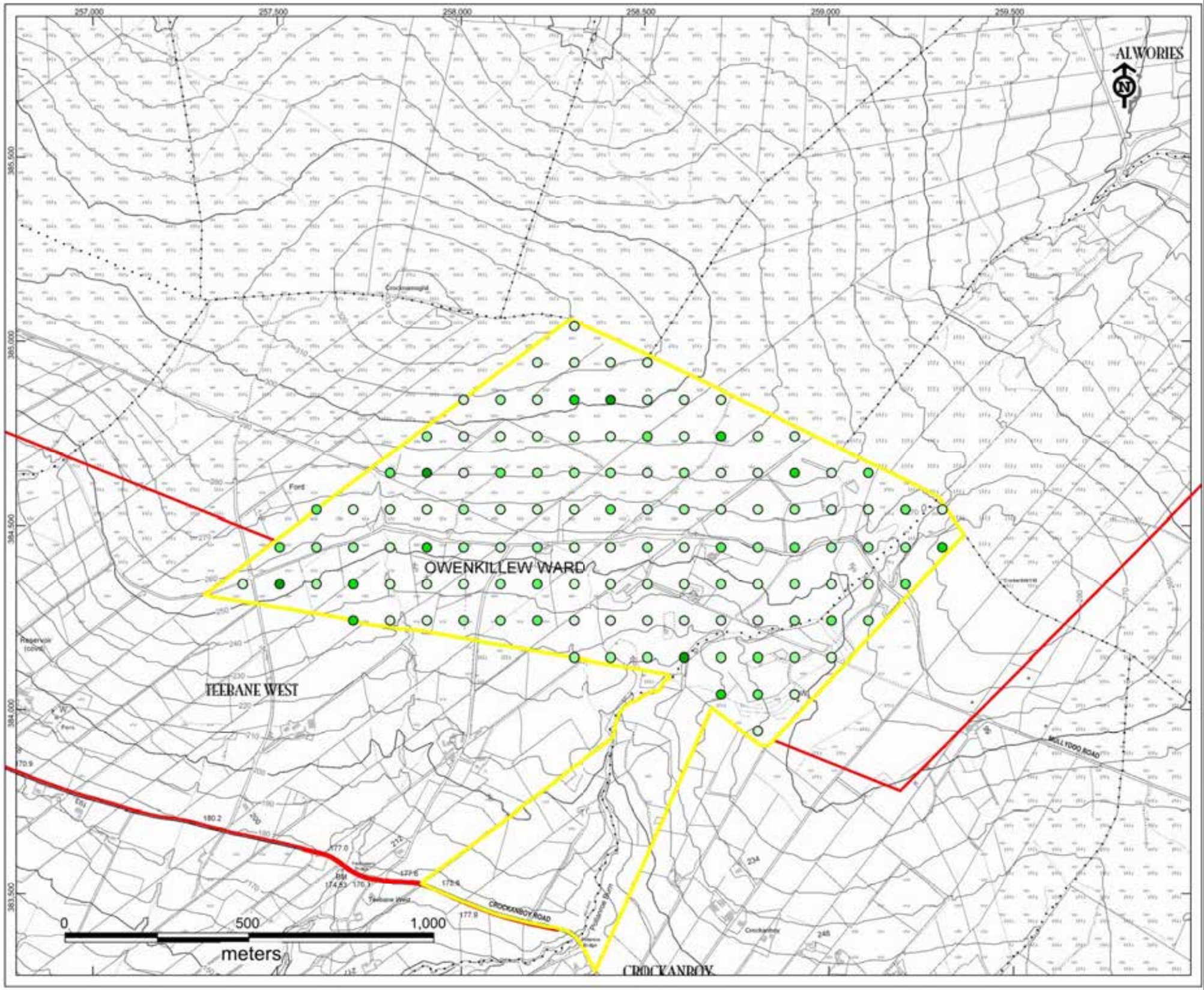
ALUMINIUM IN SOILS

FIGURE S1

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

631.0241.00x.005 Curraghinalt EIA Baseline



LEGEND

Arsenic in Soils
mg/kg

- 32.4 to 67.3 (4)
- 12.2 to 32.4 (8)
- 7.4 to 12.2 (16)
- 3.9 to 7.4 (31)
- 1.1 to 3.9 (62)

APPLICATION AREA

INFRASTRUCTURE AREA A

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BASELINE - INFRASTRUCTURE AREA

ARSENIC IN SOILS

FIGURE S2

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

LEGEND

Cadmium in Soils
mg/kg
- 0.396 to 0.958 (5)
- 0.204 to 0.396 (8)
- 0.143 to 0.204 (15)
- 0.074 to 0.143 (24)
- 0.02 to 0.074 (69)

APPLICATION AREA

INFRASTRUCTURE AREA A

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BASELINE - INFRASTRUCTURE AREA

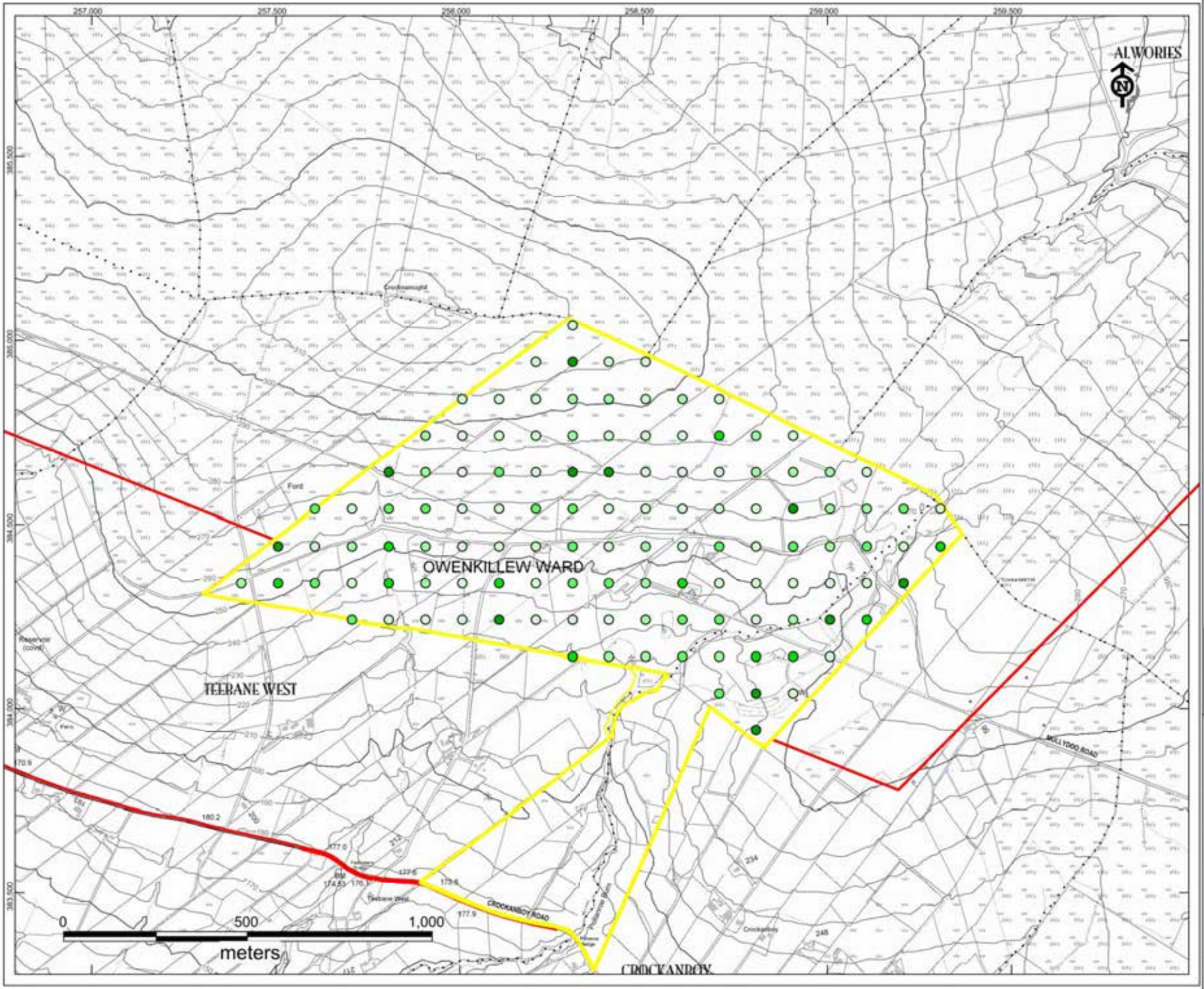
CADMIUM IN SOILS

FIGURE S3

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

501.0261.006_005 Curraghinalt EIA Baseline



LEGEND

Cobalt in Soils
mg/kg

- 8.9 to 14.6 (11)
- 6.6 to 8.9 (11)
- 5.3 to 6.6 (19)
- 3.5 to 5.3 (24)
- 0.3 to 3.5 (56)

APPLICATION AREA

INFRASTRUCTURE AREA A

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BASELINE - INFRASTRUCTURE AREA

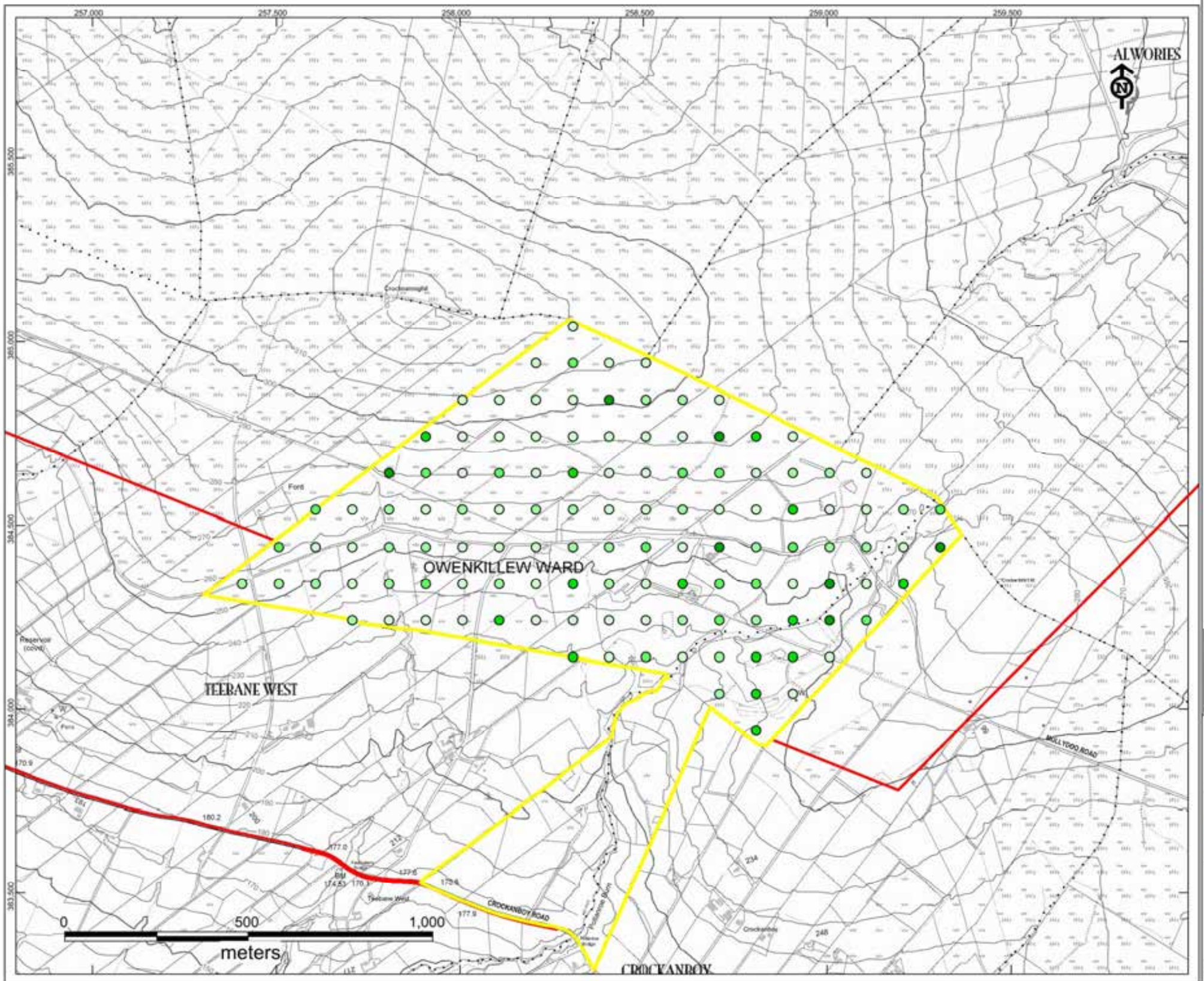
COBALT IN SOILS

FIGURE S4

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

501.02411.000.005 Curraghinalt EIA Baseline



LEGEND

Copper in Soils
mg/kg

- 17.7 to 53 (7)
- 12.7 to 17.7 (14)
- 9.4 to 12.7 (16)
- 6.4 to 9.4 (28)
- 1.4 to 6.4 (56)

APPLICATION AREA

INFRASTRUCTURE AREA A

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BASELINE - INFRASTRUCTURE AREA

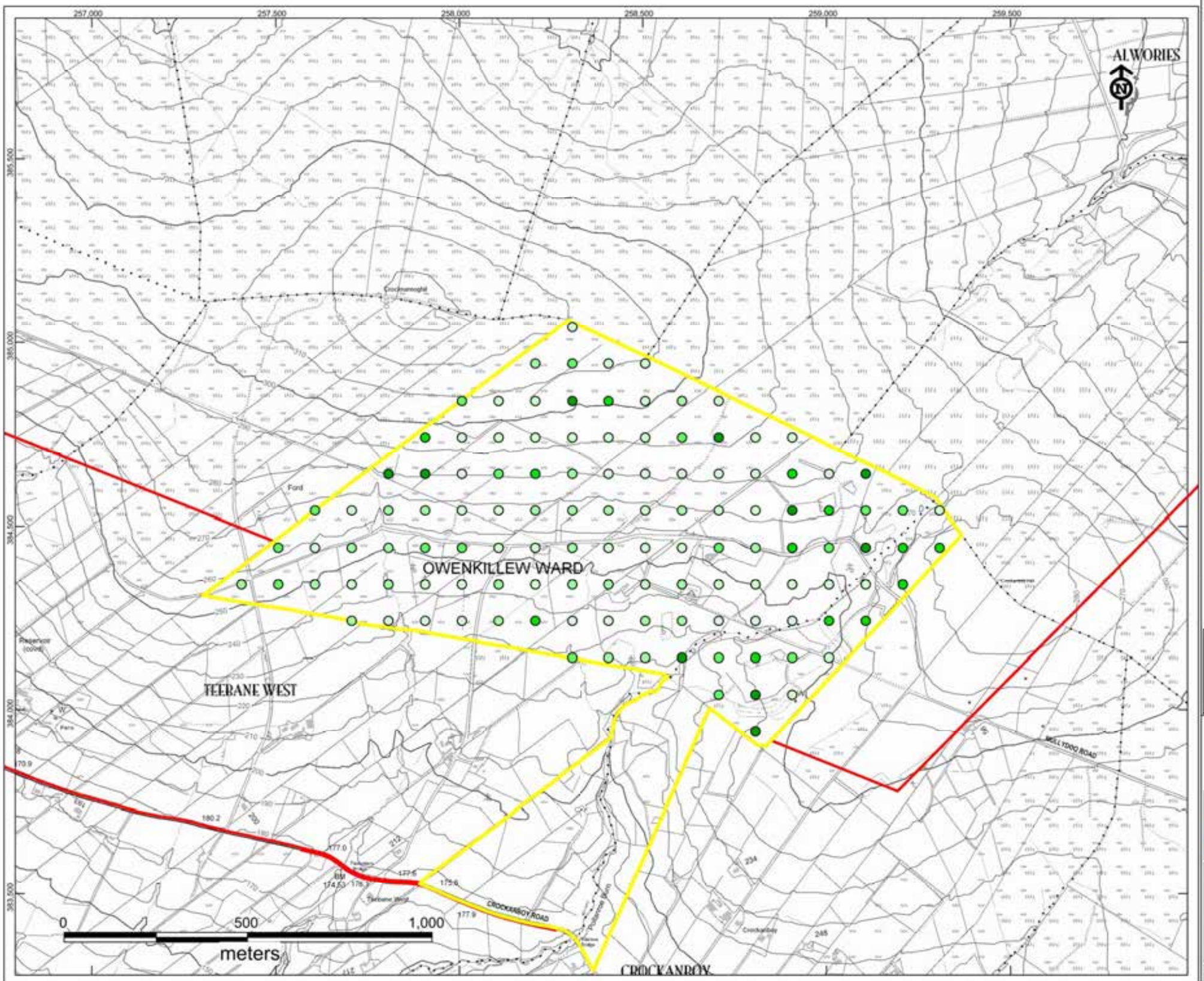
COPPER IN SOILS

FIGURE S5

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

501.02241.0006_005.Curraghinalt EIA Baseline



LEGEND

Iron in Soils
mg/kg

- 25,200 to 55,700 (10)
- 20,100 to 25,200 (13)
- 14,300 to 20,100 (17)
- 9,500 to 14,300 (26)
- 1,100 to 9,500 (55)

APPLICATION AREA

INFRASTRUCTURE AREA A

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BASELINE - INFRASTRUCTURE AREA

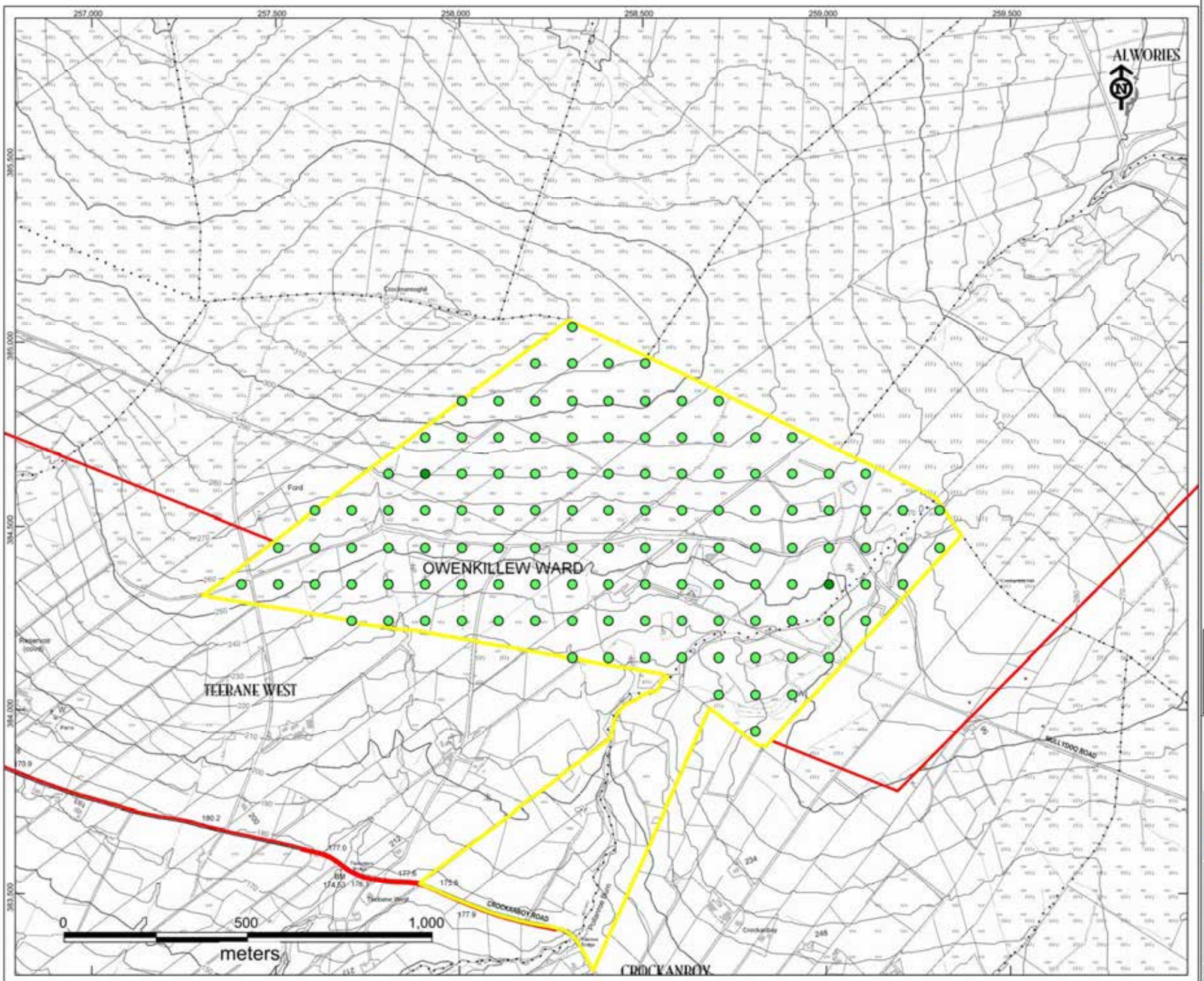
IRON IN SOILS

FIGURE S6

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

501.0341.006_005.Curraghinalt EIA Baseline



LEGEND

Mercury in Soils
mg/kg

- 0.14 to 0.206 (2)
- < 0.14 (119)

APPLICATION AREA

INFRASTRUCTURE AREA A

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BASELINE - INFRASTRUCTURE AREA

MERCURY IN SOILS

FIGURE S7

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

LEGEND

Manganese in Soils
mg/kg

- 130 to 1,170 (24)
- 80 to 130 (33)
- 60 to 80 (20)
- 40 to 60 (17)
- 0 to 40 (27)

APPLICATION AREA

INFRASTRUCTURE AREA A

ALWORIES

OWENKILLEW WARD

TEEBANE WEST

CROCKANBOY

CROCKANBOY ROAD

MULLYDOO ROAD

0 500 1,000
meters

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BASELINE - INFRASTRUCTURE AREA

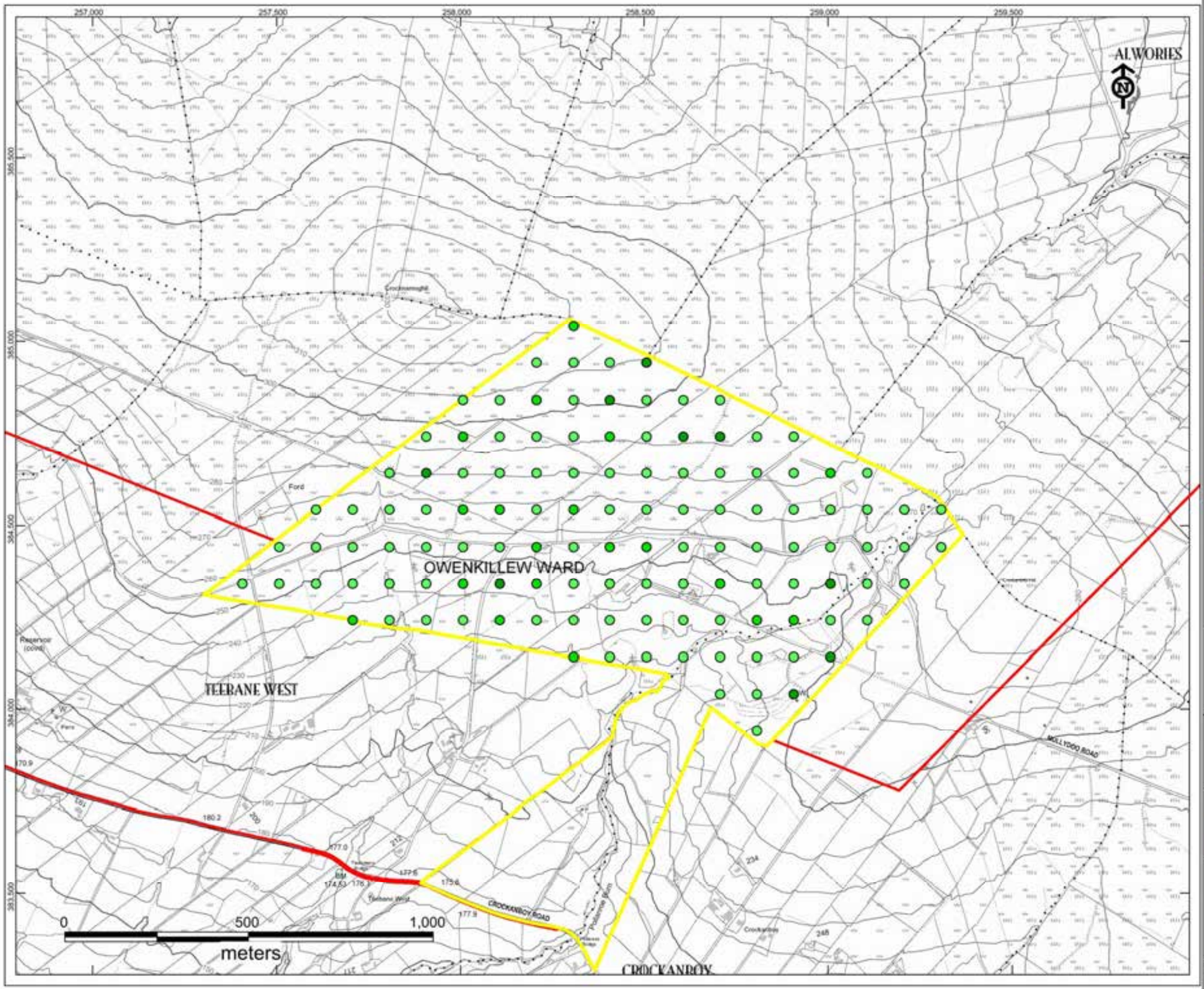
MANGANESE IN SOILS

FIGURE S8

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

501.0341.006_005.Curraghinalt EIA Baseline



LEGEND

Molybdenum in Soils
mg/kg

- 0.237 to 0.617 (9)
- 0.133 to 0.237 (19)
- 0.1 to 0.133 (93)

APPLICATION AREA

INFRASTRUCTURE AREA A

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BASELINE - INFRASTRUCTURE AREA

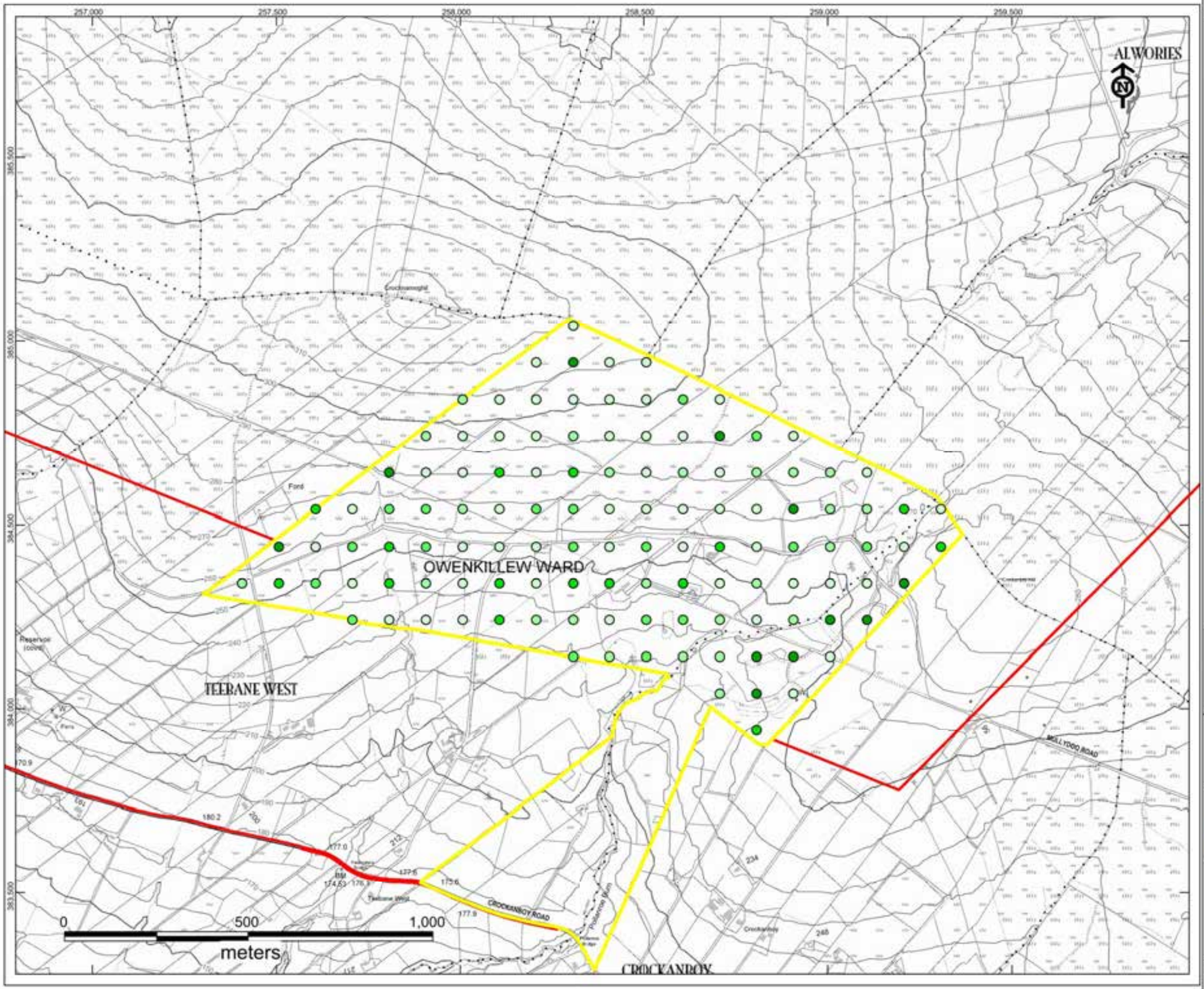
MOLYBDENUM IN SOILS

FIGURE S9

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

501.0241.006.005.Curraghinalt EIA Baseline



LEGEND

Nickel in Soils
mg/kg

- 17.5 to 28 (11)
- 15.2 to 17.5 (15)
- 12 to 15.2 (18)
- 7.5 to 12 (24)
- 1.2 to 7.5 (53)

APPLICATION AREA

INFRASTRUCTURE AREA A

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BASELINE - INFRASTRUCTURE AREA

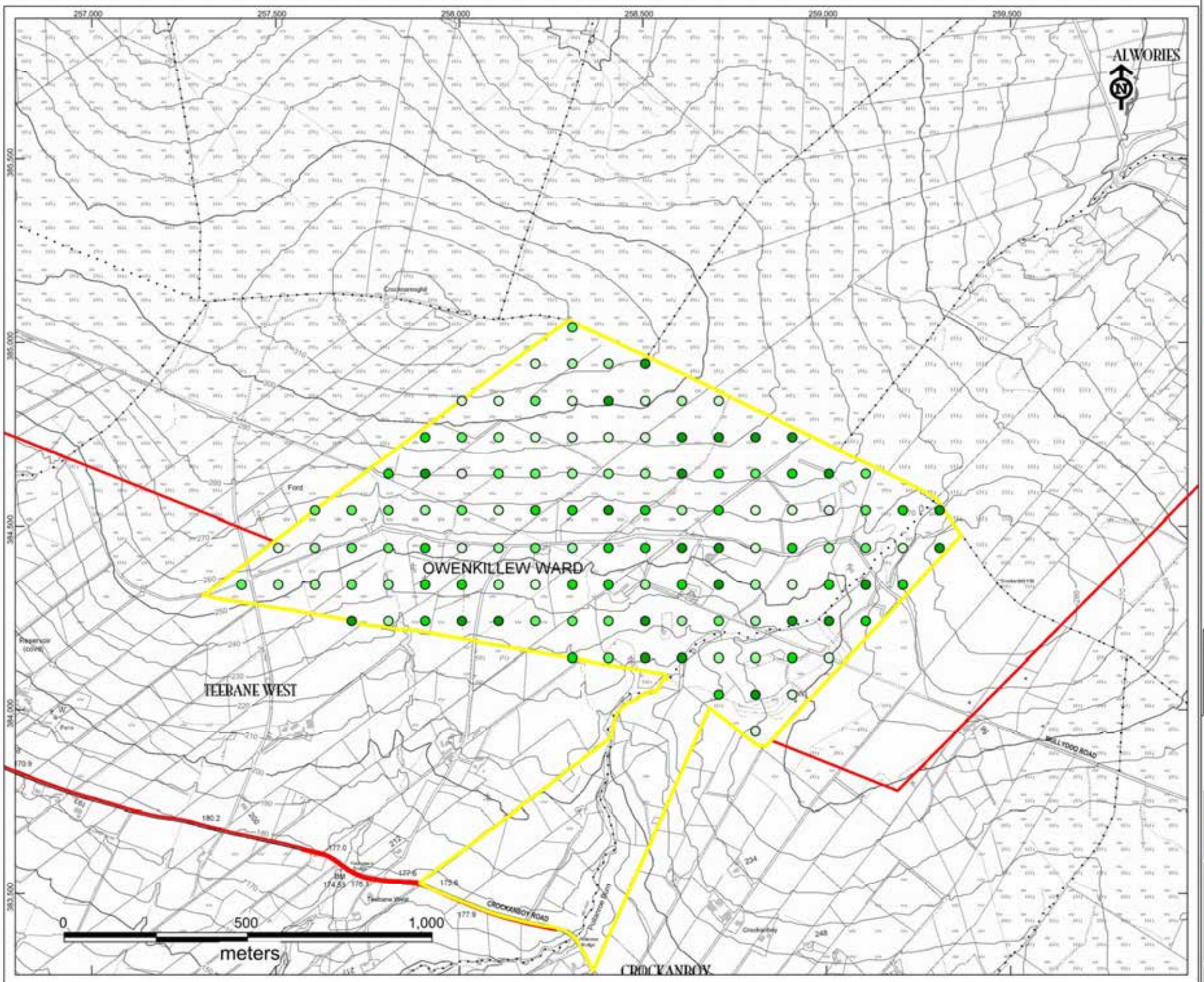
NICKEL IN SOILS

FIGURE S10

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

501.0241.006.005 Curraghinalt EIA Baseline



LEGEND

Lead in Soils
mg/kg

- 14.7 to 74.1 (25)
- 10.7 to 14.7 (25)
- 8.9 to 10.7 (23)
- 7.3 to 8.9 (24)
- 2.9 to 7.3 (24)

APPLICATION AREA

INFRASTRUCTURE AREA A

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BASELINE - INFRASTRUCTURE AREA

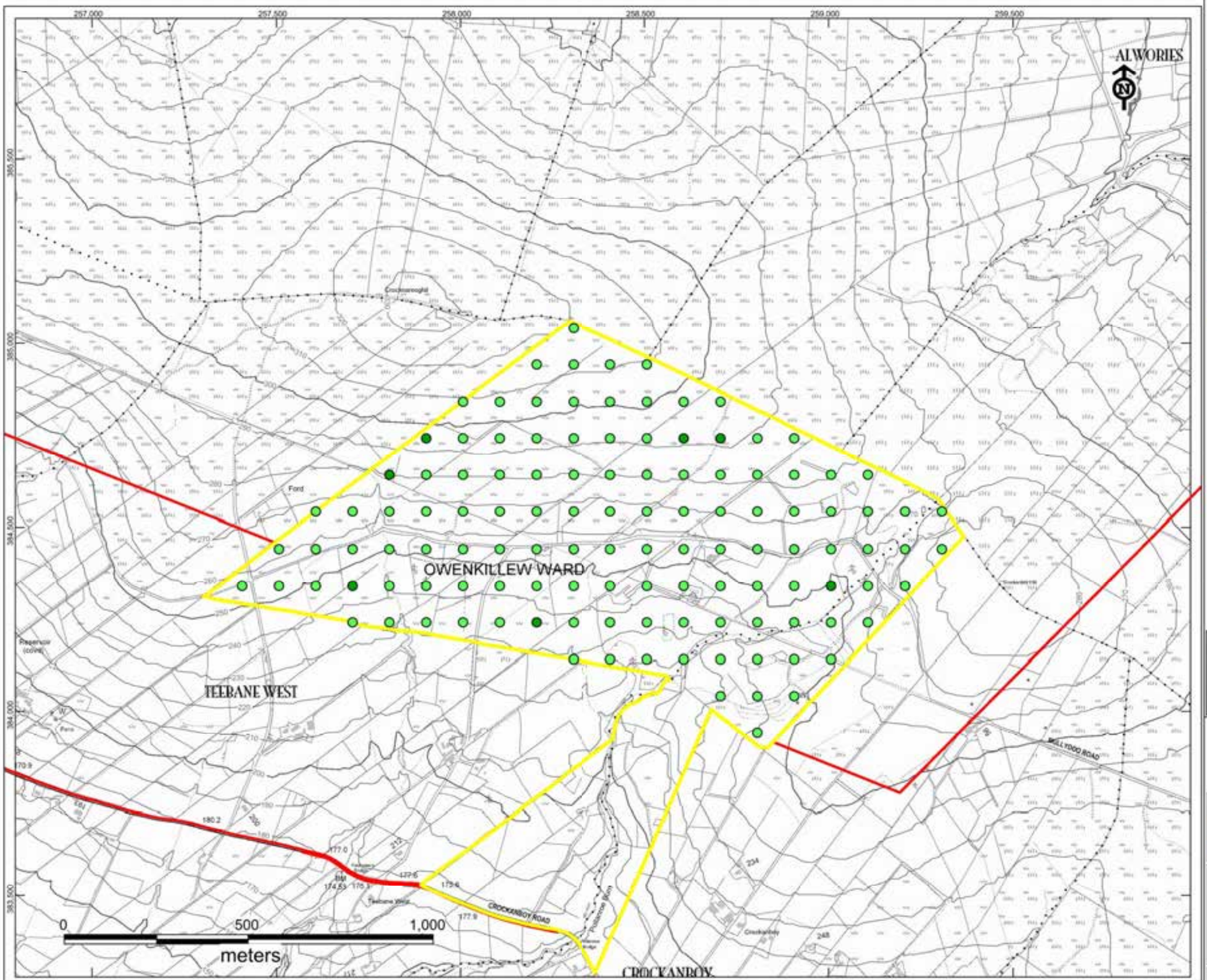
LEAD IN SOILS

FIGURE S11

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

S21 G341 006 005 Curraghinalt EIA Baseline



LEGEND

Antimony in Soils
mg/kg

- 0.6 to 1.83 (7)
- < 0.6 (114)

APPLICATION AREA

INFRASTRUCTURE AREA A

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BASELINE - INFRASTRUCTURE AREA

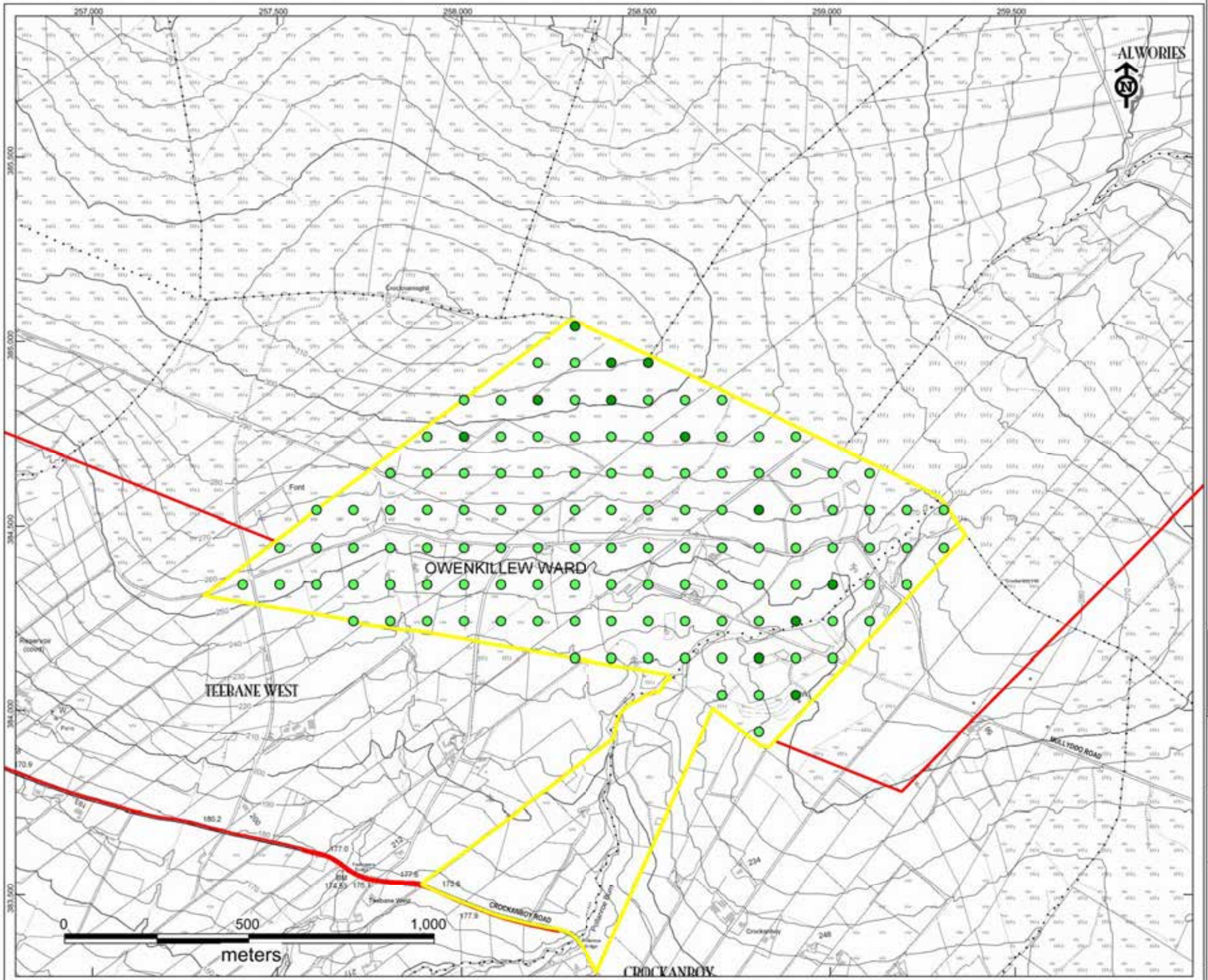
ANTIMONY IN SOILS

FIGURE S12

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

501.0241.006.052.Curraghinalt EIA Baseline



LEGEND

Selenium in Soils
mg/kg
- 1 to 4.5 (12)
- < 1 (109)

APPLICATION AREA

INFRASTRUCTURE AREA A

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BASELINE - INFRASTRUCTURE AREA

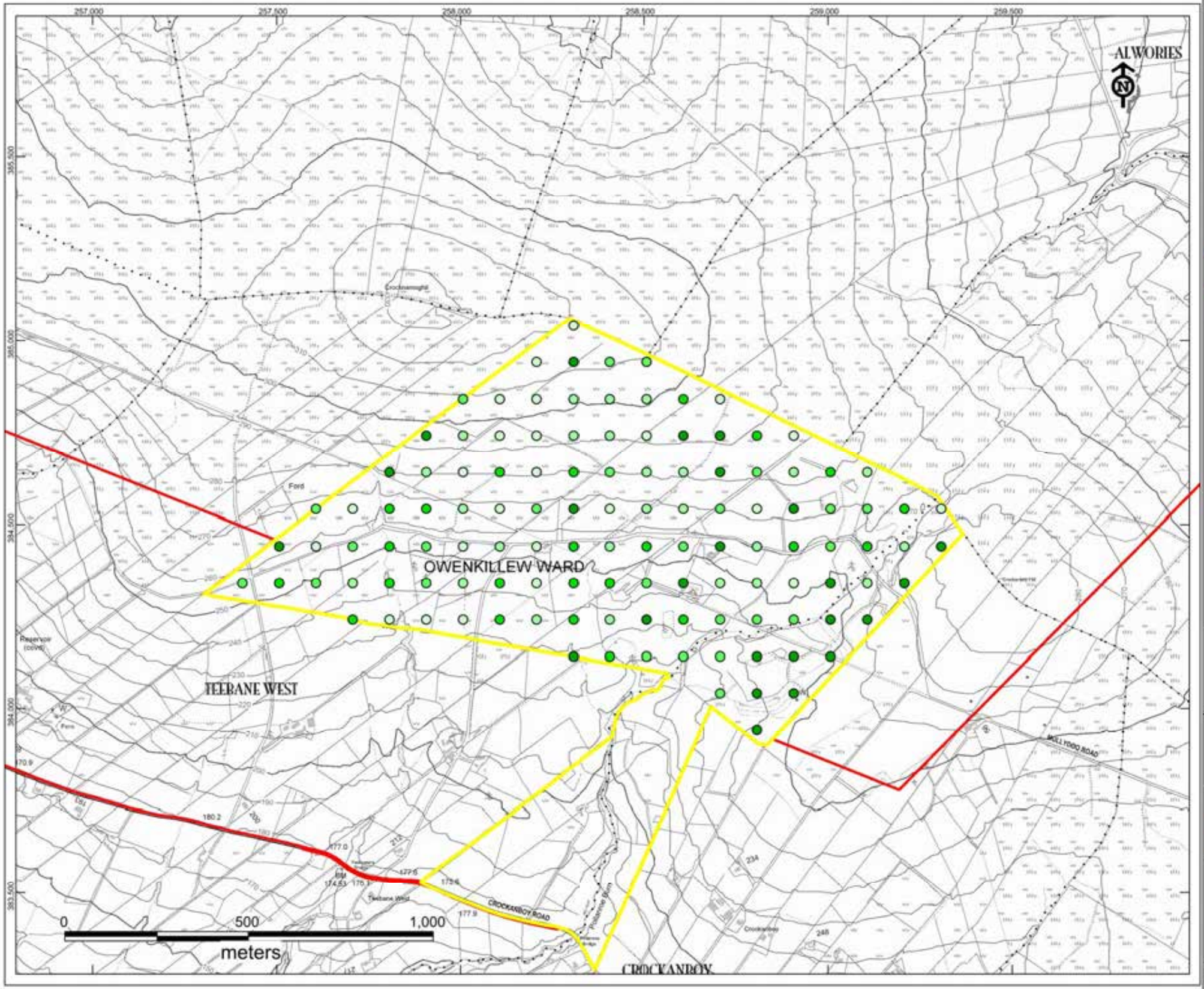
SELENIUM IN SOILS

FIGURE S13

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

501.0241.000_065 Curraghinalt EIA Baseline



LEGEND

Zinc in Soils
mg/kg

- 36 to 656 (24)
- 28 to 36 (23)
- 19 to 28 (25)
- 10 to 19 (25)
- 2 to 10 (24)

APPLICATION AREA

INFRASTRUCTURE AREA A

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BASELINE - INFRASTRUCTURE AREA

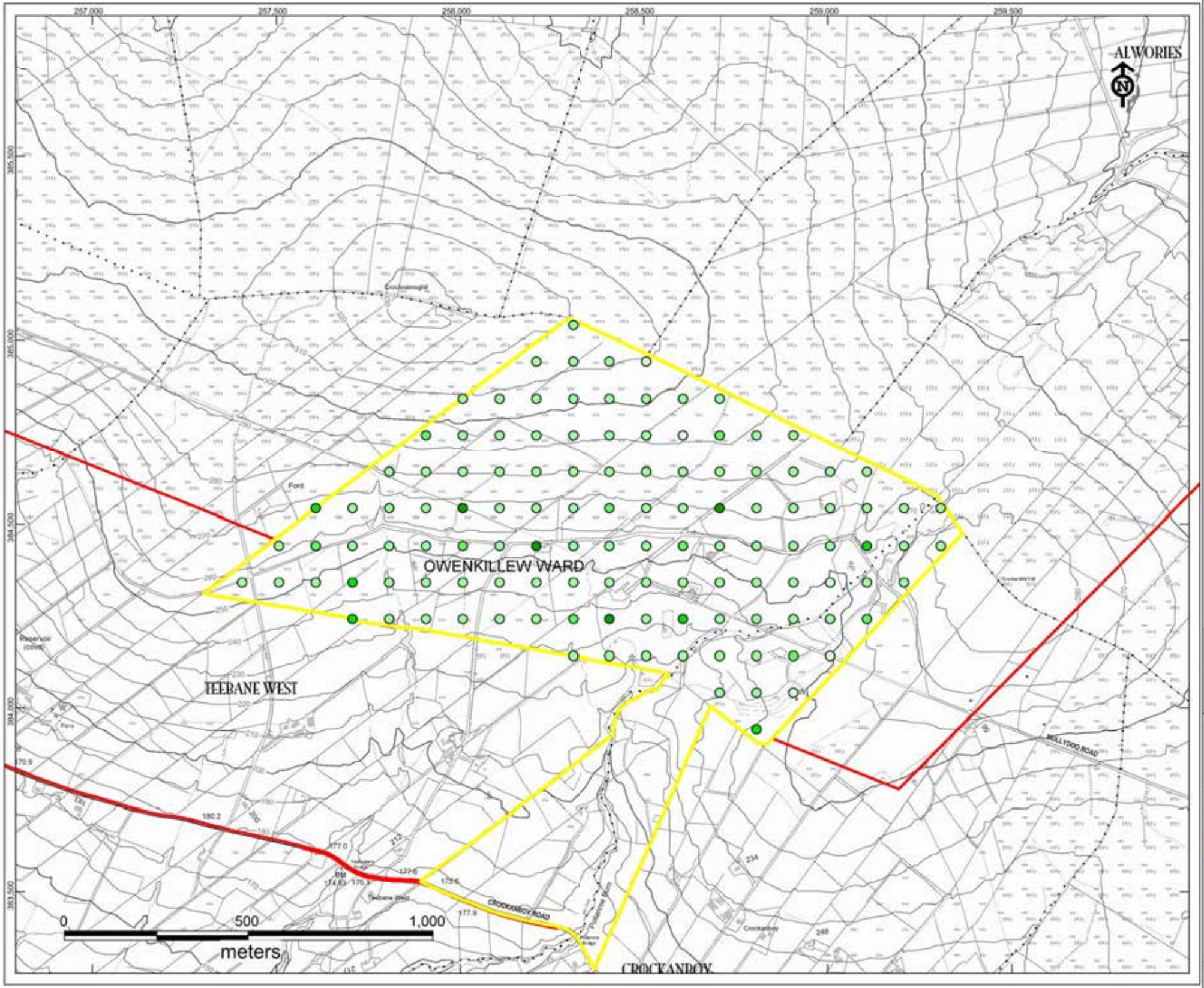
ZINC IN SOILS

FIGURE S14

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

501.0241.006.005 Curraghinalt EIA Baseline



LEGEND

Nitrate (WS) in Soils
mg/kg

- 14.9 to 18.6 (4)
- 8.3 to 14.9 (6)
- 4.6 to 8.3 (9)
- 1 to 4.6 (97)
- 0 to 1 (5)

APPLICATION AREA

INFRASTRUCTURE AREA A

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BASELINE - INFRASTRUCTURE AREA

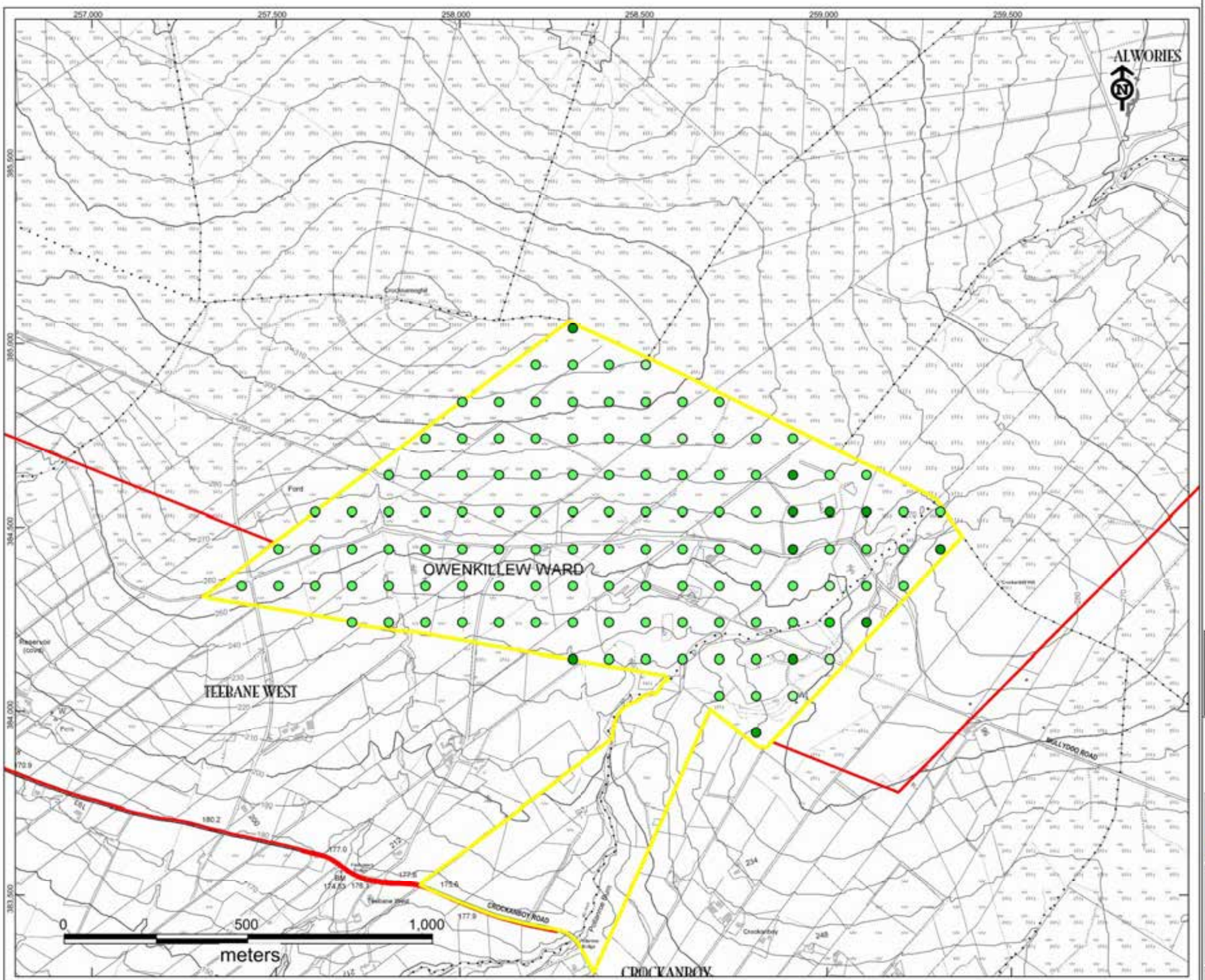
NITRATE IN SOILS

FIGURE S15

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

501.02411.000.009.Curraghinalt EIA Baseline



LEGEND

Phosphate as PO4 in Soils
mg/kg

- 1.13 to 5.52 (11)
- 1 to 1.13 (1)
- < 1 (104)

APPLICATION AREA

INFRASTRUCTURE AREA A

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BASELINE - INFRASTRUCTURE AREA

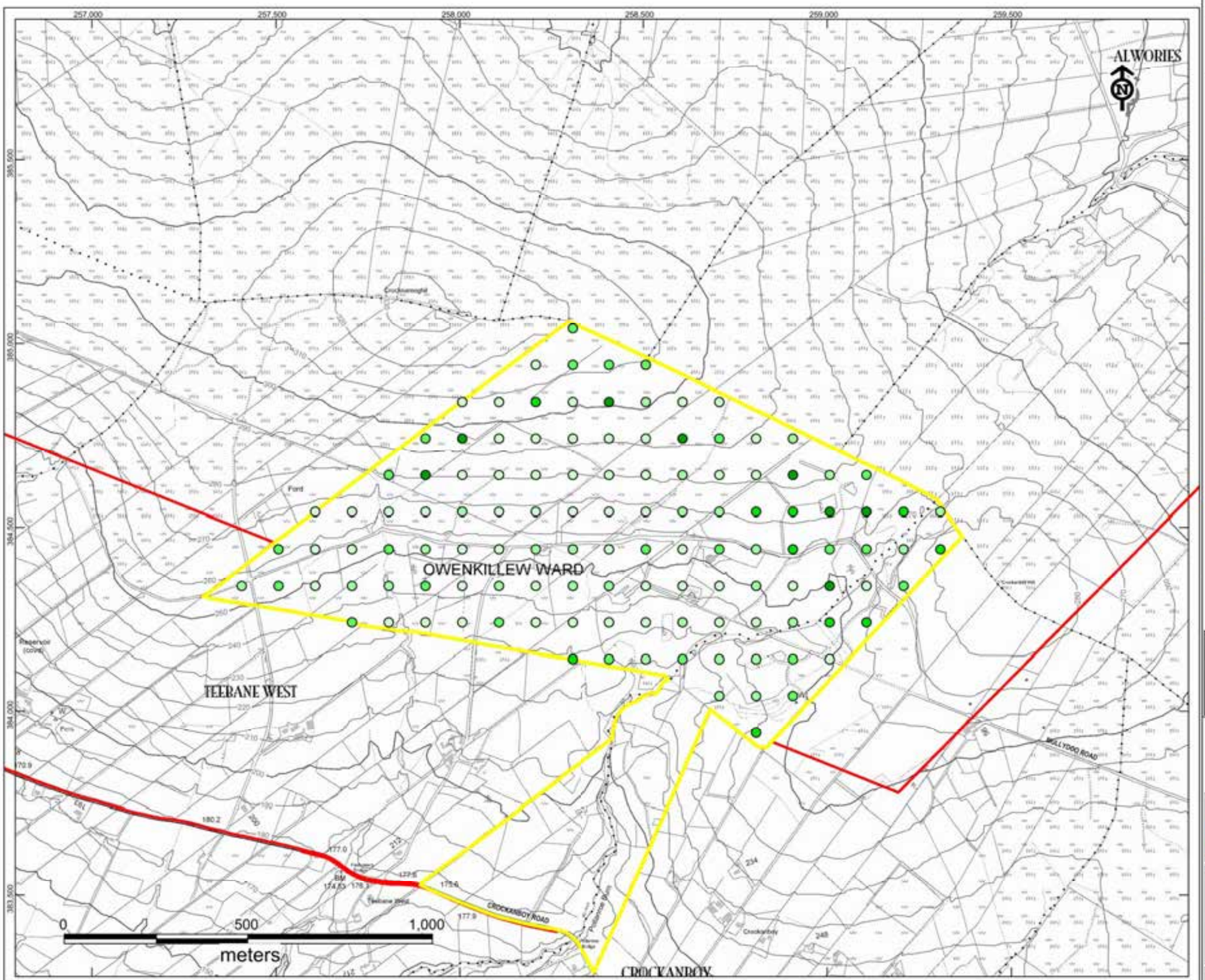
PHOSPHATE (PO4) IN SOILS

FIGURE S16

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

501.0241.00005_Maps_Curraghinalt EIA Baseline



LEGEND

Phosphorous as P in Soils
mg/kg

- 590 to 1,470 (8)
- 400 to 590 (10)
- 270 to 400 (23)
- 190 to 270 (27)
- 40 to 190 (53)

APPLICATION AREA

INFRASTRUCTURE AREA A

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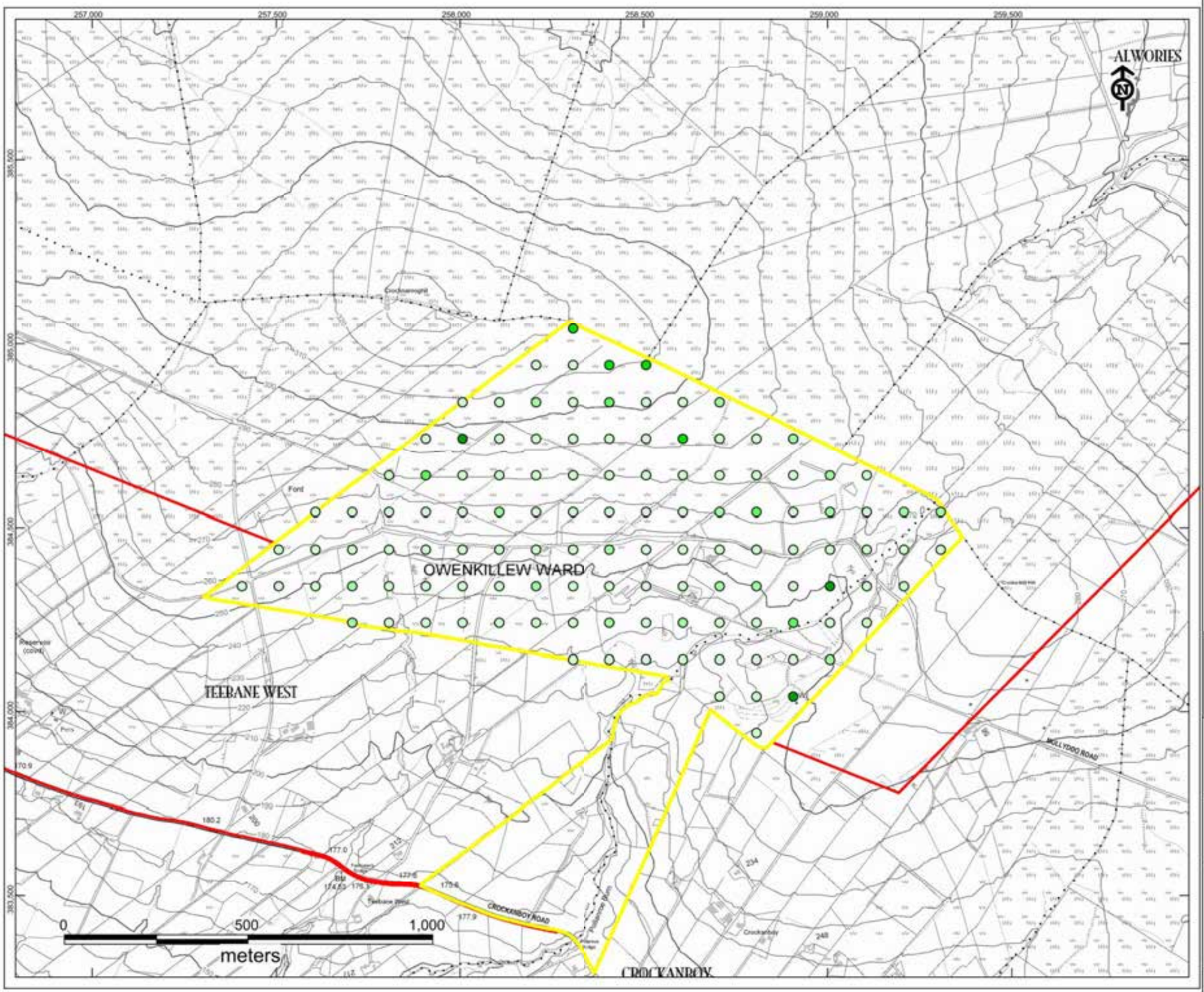
BASELINE - INFRASTRUCTURE AREA

PHOSPHOROUS IN SOILS

FIGURE S17

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017



LEGEND

Soil Organic Matter (SOM) in Soils
mg/kg

- 71.5 to 80.9 (3)
- 57.2 to 71.5 (4)
- 39.1 to 57.2 (4)
- 4.6 to 39.1 (18)
- 0.3 to 4.6 (92)

APPLICATION AREA

INFRASTRUCTURE AREA A

Notes:
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BASELINE - INFRASTRUCTURE AREA

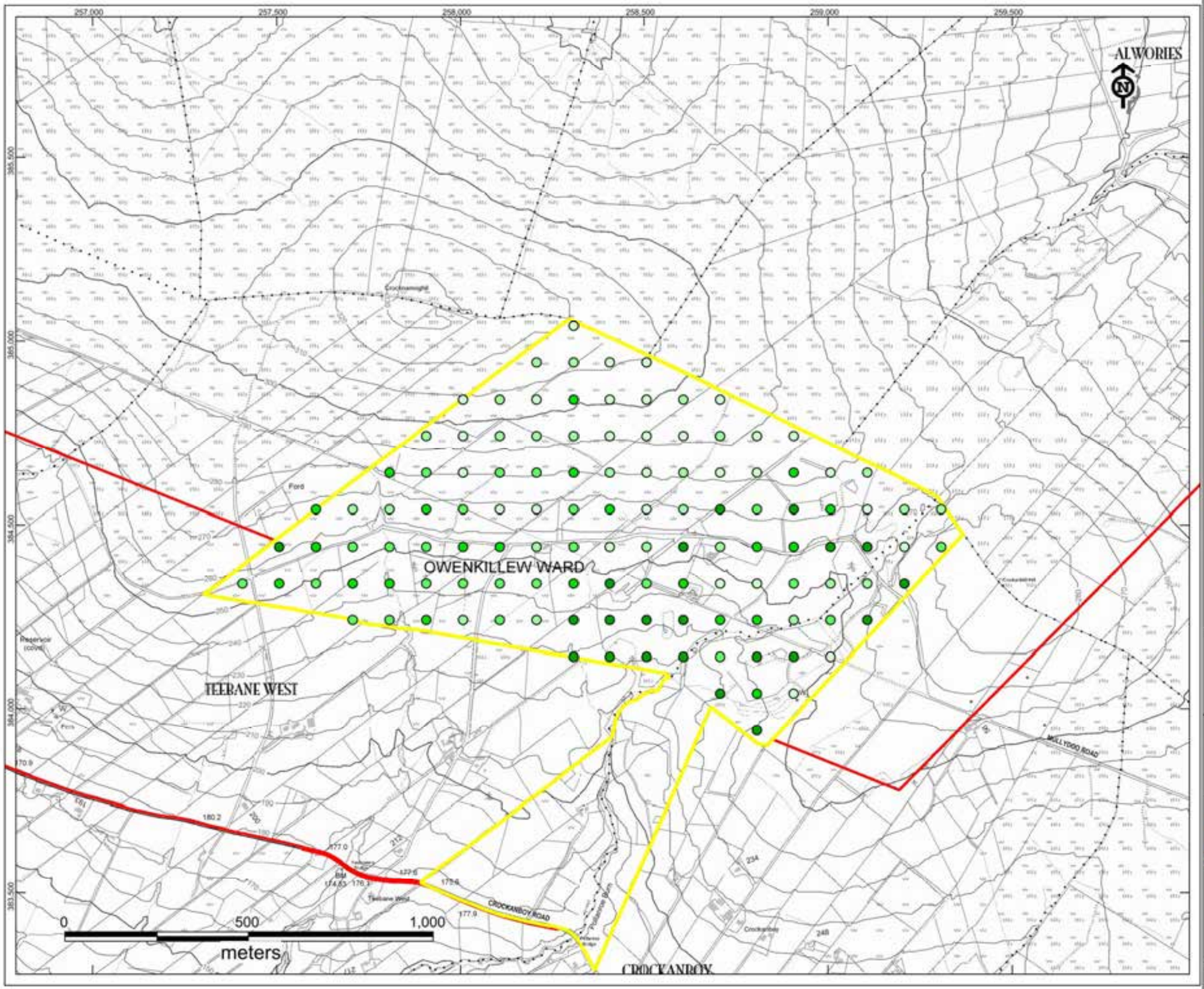
SOM IN SOILS

FIGURE S18

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

501.0241.506_SVR Curraghinalt EIA Baseline



LEGEND

pH in Soils
pH Units

- 6.01 to 7.01 (21)
- 5.52 to 6.01 (22)
- 5.23 to 5.52 (24)
- 4.73 to 5.23 (25)
- 3.66 to 4.73 (29)

APPLICATION AREA

INFRASTRUCTURE AREA A

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BASELINE - INFRASTRUCTURE AREA

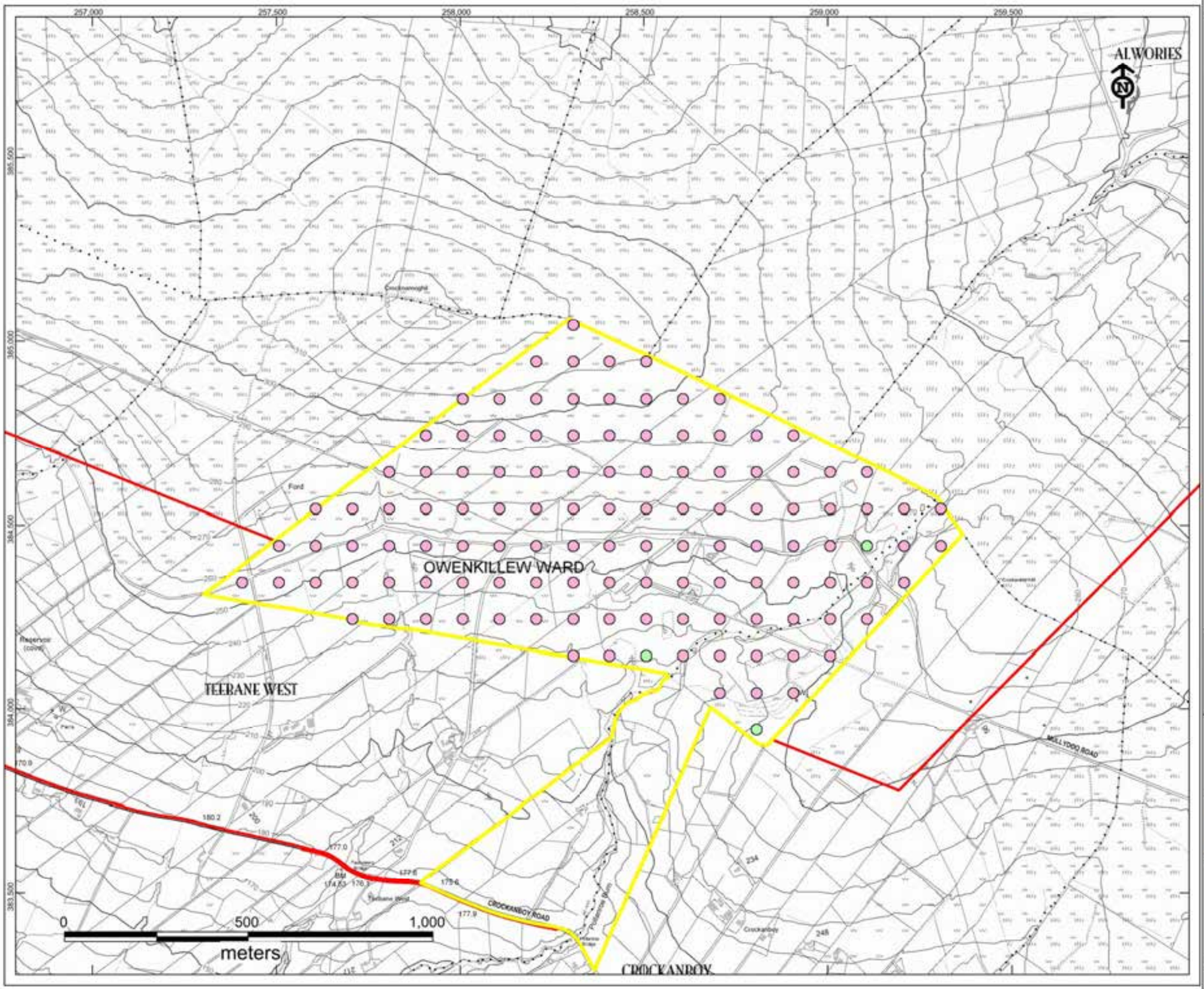
pH of SOILS

FIGURE S19

Scale: 1:10,000 @A3

Date: SEPTEMBER 2017

501.02241.006.005.Curraghinalt EIA Baseline



LEGEND

PH ACID OR ALKALINE

- pH>8.5
- pH 6.5 - 8.5
- pH<6.5
- No Data / Not Sampled

APPLICATION AREA

INFRASTRUCTURE AREA A

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CURRAGHINALT GOLD PROJECT: EIA

BASELINE - INFRASTRUCTURE AREA

pH of SOILS (Acidity)

FIGURE S20

Scale	Date
1:10,000 @A3	SEPTEMBER 2017

S21.0243.006.009.Curraghinalt EIA Baseline