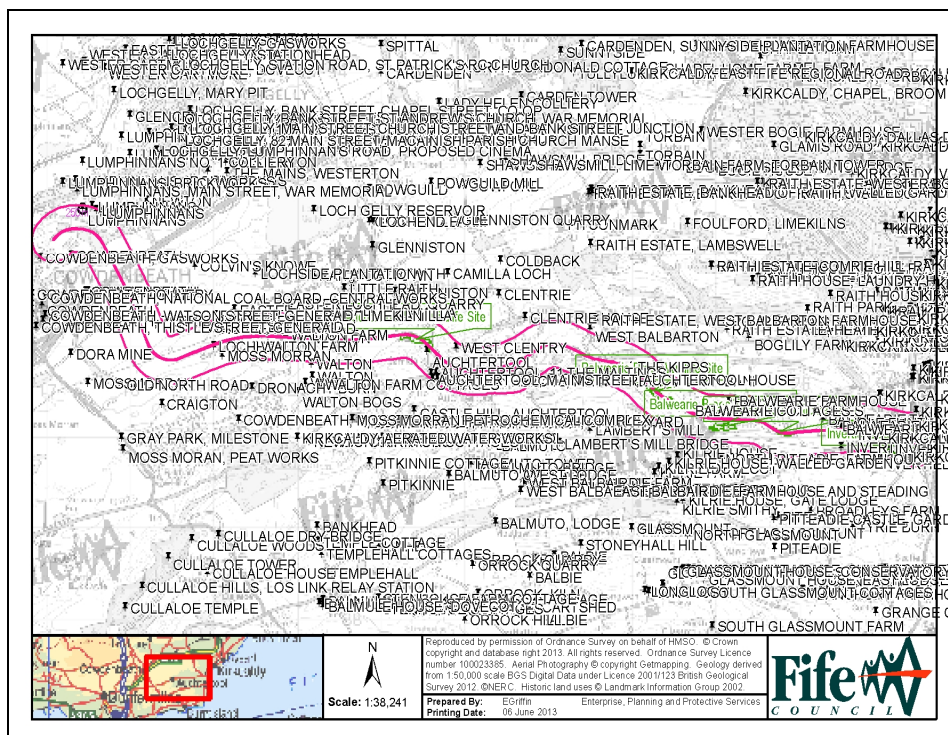


4. Protected Areas



4.1 Natural Heritage Sites

2 feature(s) identified on site.
1 feature(s) identified off site within 250 metres

Identified On-site

Record 1 of 2

Name: Auchtertool Linn Wildlife Site
Date Created: 09/12/1998
Feature Area: 23513m²
Grid Ref: 321418, 691072

Record 2 of 2

Name: Balwearie Braes Wildlife Site
Date Created: 21/04/2000
Feature Area: 68792m²
Grid Ref: 324617, 690368

Identified Off-site - Within 250 metre buffer

Record 1 of 1

Name: Invertiel Quarry SSSI
Date Created: 30/03/1990
Approximate distance from site: 191.97m
Feature Area: 6689m²
Grid Ref: 327120, 689797

4.2 Listed Buildings

(0) features identified (Search Distance - On site)

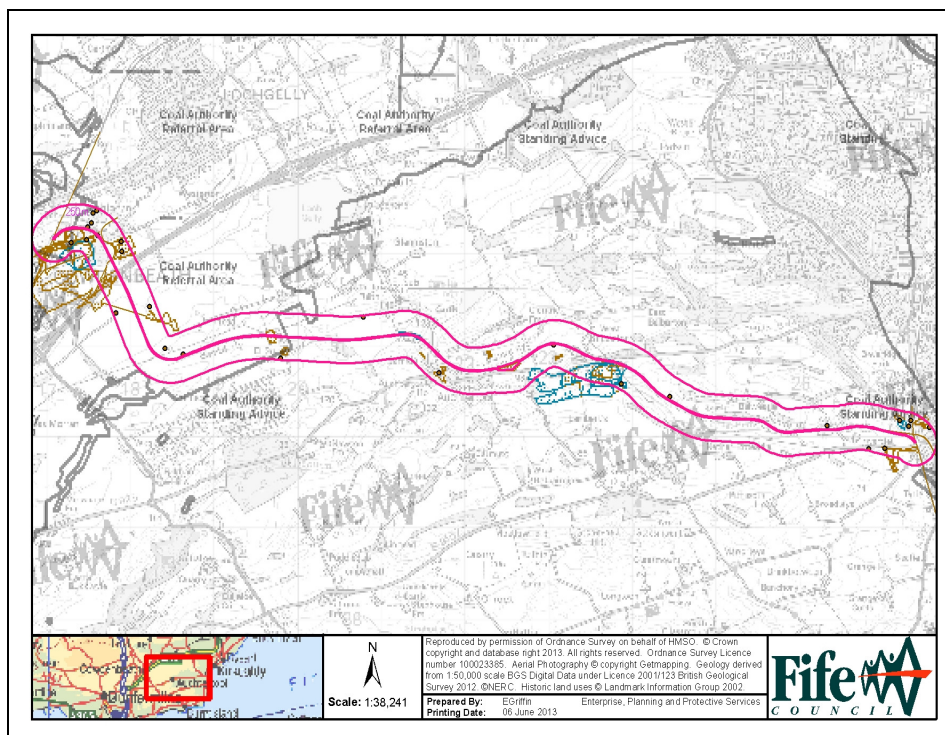
4.3 Scheduled Ancient Monuments

(0) features identified (Search Distance - On site)

4.4 National Monuments Record of Scotland

(0) features identified (Search Distance - On site)

5. Former Land Uses



5.1 Potential Contamination Point Sources

2 feature(s) identified on site.
43 feature(s) identified off site within 250 metres

Identified On-site

Record 1 of 2

Approximate Date: 1990
Former Use: Unknown Filled Ground (Pit, quarry etc)
Grid Ref: 317613, 692203

Record 2 of 2

Approximate Date: 1856
Former Use: General quarrying
Grid Ref: 317613, 692203

Identified Off-site - Within 250 metre buffer

Record 1 of 43

Approximate Date: 1920
Former Use: General quarrying
Approximate distance from site: 192.69m
Grid Ref: 323872, 690577

Record 2 of 43

Approximate Date: 1896
Former Use: General quarrying
Approximate distance from site: 12.27m
Grid Ref: 318633, 690902

Record 3 of 43

Approximate Date: 1856
Former Use: Quarrying of sand & clay, operation of sand & gravel pits
Approximate distance from site: 19.70m
Grid Ref: 317494, 692298

Record 4 of 43

Approximate Date: 1856
Former Use: Quarrying of sand & clay, operation of sand & gravel pits
Approximate distance from site: 103.43m
Grid Ref: 317481, 692162

Record 5 of 43

Approximate Date: 1856
Former Use: Sawmilling, planing & impregnation [i.e. treatment of timber]
Approximate distance from site: 39.26m
Grid Ref: 326332, 690119

Record 6 of 43

Approximate Date: 1938
Former Use: Air Shafts
Approximate distance from site: 172.76m
Grid Ref: 318228, 691430

Record 7 of 43

Approximate Date: 1938
Former Use: Former Marsh
Approximate distance from site: 192.51m
Grid Ref: 317891, 692141

Record 8 of 43

Approximate Date: 1990
Former Use: Unknown Filled Ground (Pit, quarry etc)
Approximate distance from site: 172.76m
Grid Ref: 318228, 691430

Record 9 of 43

Approximate Date: 1960
Former Use: Laundries & dry cleaning
Approximate distance from site: 103.14m
Grid Ref: 327308, 690117

Record 10 of 43

Approximate Date: 1856
Former Use: Spirit distilling & compounding
Approximate distance from site: 143.11m
Grid Ref: 321690, 690701

Record 11 of 43

Approximate Date: 1990
Former Use: Unknown Filled Ground (Pit, quarry etc)
Approximate distance from site: 104.14m
Grid Ref: 318412, 690969

Record 12 of 43

Approximate Date: 1856
Former Use: Refuse disposal
Approximate distance from site: 185.97m
Grid Ref: 317555, 692454

Record 13 of 43

Approximate Date: 1897
Former Use: Laundries & dry cleaning
Approximate distance from site: 103.14m
Grid Ref: 327308, 690117

Record 14 of 43

Approximate Date: 1856
Former Use: General quarrying
Approximate distance from site: 228.30m
Grid Ref: 326830, 689866

Record 15 of 43

Approximate Date: 1920
Former Use: Laundries & dry cleaning
Approximate distance from site: 103.14m
Grid Ref: 327308, 690117

Record 16 of 43

Approximate Date: 1990
Former Use: Unknown Filled Ground (Pit, quarry etc)
Approximate distance from site: 73.38m
Grid Ref: 317532, 692343

Record 16 of 43

Approximate Date: 1856
Former Use: Cement, lime & plaster products [manufacture]
Approximate distance from site: 180.55m
Grid Ref: 327016, 689874

Record 18 of 43

Approximate Date: 1856
Former Use: General quarrying
Approximate distance from site: 166.26m
Grid Ref: 327330, 690176

Record 19 of 43

Approximate Date: 1960
Former Use: Food processing - major
Approximate distance from site: 140.38m
Grid Ref: 327197, 690175

Record 20 of 43

Approximate Date: 1990
Former Use: Unknown Filled Ground (Pit, quarry etc)
Approximate distance from site: 12.27m
Grid Ref: 318633, 690902

Record 21 of 43

Approximate Date: 1990
Former Use: Unknown Filled Ground (Pit, quarry etc)
Approximate distance from site: 19.70m
Grid Ref: 317494, 692298

Record 22 of 43

Approximate Date: 1992
Former Use: Unknown Filled Ground (Pit, quarry etc)
Approximate distance from site: 237.85m
Grid Ref: 320784, 691316

Record 23 of 43

Approximate Date: 1938
Former Use: Former Marsh
Approximate distance from site: 146.78m
Grid Ref: 317897, 692036

Record 24 of 43

Approximate Date: 1920
Former Use: Food processing - major
Approximate distance from site: 140.38m
Grid Ref: 327197, 690175

Record 25 of 43

Approximate Date: 1959
Former Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)
Approximate distance from site: 212.96m
Grid Ref: 317828, 691359

Record 26 of 43

Approximate Date: 1856
Former Use: General quarrying
Approximate distance from site: 237.85m
Grid Ref: 320784, 691316

Record 27 of 43

Approximate Date: 1992
Former Use: Unknown Filled Ground (Pit, quarry etc)
Approximate distance from site: 6.42m
Grid Ref: 323060, 691009

Record 28 of 43

Approximate Date: 1959
Former Use: Air Shafts
Approximate distance from site: 104.14m
Grid Ref: 318412, 690969

Record 29 of 43

Approximate Date: 1920
Former Use: Air Shafts
Approximate distance from site: 172.76m
Grid Ref: 318228, 691430

Record 30 of 43

Approximate Date: 1938
Former Use: Air Shafts
Approximate distance from site: 104.14m
Grid Ref: 318412, 690969

Record 31 of 43

Approximate Date: 1856
Former Use: General quarrying
Approximate distance from site: 230.10m
Grid Ref: 319800, 690861

Record 32 of 43

Approximate Date: 1856
Former Use: Brewing & malting
Approximate distance from site: 228.69m
Grid Ref: 327552, 690102

Record 33 of 43

Approximate Date: 1992
Former Use: Unknown Filled Ground (Pit, quarry etc)
Approximate distance from site: 30.38m
Grid Ref: 324450, 690438

Record 34 of 43

Approximate Date: 1856
Former Use: Quarrying of sand & clay, operation of sand & gravel pits
Approximate distance from site: 155.03m
Grid Ref: 317294, 692125

Record 35 of 43

Approximate Date: 1856
Former Use: Quarrying of sand & clay, operation of sand & gravel pits
Approximate distance from site: 73.38m
Grid Ref: 317532, 692343

Record 36 of 43

Approximate Date: 1856
Former Use: General quarrying
Approximate distance from site: 30.38m
Grid Ref: 324450, 690438

Record 37 of 43

Approximate Date: 1920
Former Use: Air Shafts
Approximate distance from site: 104.14m
Grid Ref: 318412, 690969

Record 38 of 43

Approximate Date: 1895
Former Use: General quarrying
Approximate distance from site: 6.42m
Grid Ref: 323060, 691009

Record 39 of 43

Approximate Date: 1897
Former Use: Food processing - major
Approximate distance from site: 140.38m
Grid Ref: 327197, 690175

Record 40 of 43

Approximate Date: 1959
Former Use: Air Shafts
Approximate distance from site: 172.76m
Grid Ref: 318228, 691430

Record 41 of 43

Approximate Date: 1856
Former Use: Quarrying of sand & clay,
operation
of sand & gravel pits
Approximate distance from site: 223.35m
Grid Ref: 317597, 692478

Record 42 of 43

Approximate Date: 1993
Former Use: Food processing - major
Approximate distance from site: 140.38m
Grid Ref: 327197, 690175

Record 43 of 43

Approximate Date: 1990
Former Use: Unknown Filled Ground (Pit,
quarry etc)
Approximate distance from site: 223.35m
Grid Ref: 317597, 692478

5.2 Potential Contamination Linear Sources

25 feature(s) identified on site.
26 feature(s) identified off site within 250 metres

Identified On-site**Record 1 of 25**

Approximate Date: 1896
Former Use: Mineral railway
Grid Ref: 317659, 692256

Record 2 of 25

Approximate Date: 1959
Former Use: Railways
Grid Ref: 322335, 690741

Record 3 of 25

Approximate Date: 1959
Former Use: Railways
Grid Ref: 320775, 691070

Record 4 of 25

Approximate Date: 1959
Former Use: Railways
Grid Ref: 317442, 692285

Record 5 of 25

Approximate Date: 1959
Former Use: Railways
Grid Ref: 325414, 690188

Record 6 of 25

Approximate Date: 1920
Former Use: Railways
Grid Ref: 320775, 691070

Record 7 of 25

Approximate Date: 1897
Former Use: Railways
Grid Ref: 325414, 690188

Record 8 of 25

Approximate Date: 1938
Former Use: Mineral railway
Grid Ref: 317675, 691468

Record 9 of 25

Approximate Date: 1920
Former Use: Railways
Grid Ref: 318767, 690931

Record 10 of 25

Approximate Date: 1897
Former Use: Railways
Grid Ref: 323599, 690851

Record 11 of 25

Approximate Date: 1856
Former Use: Mineral railway
Grid Ref: 317465, 692175

Record 12 of 25

Approximate Date: 1920
Former Use: Railways
Grid Ref: 323599, 690851

Record 13 of 25

Approximate Date: 1896
Former Use: Railways
Grid Ref: 317442, 692285

Record 14 of 25

Approximate Date: 1895
Former Use: Railways
Grid Ref: 322335, 690741

Record 15 of 25

Approximate Date: 1920
Former Use: Railways
Grid Ref: 317442, 692285

Record 16 of 25

Approximate Date: 1959
Former Use: Railways
Grid Ref: 323599, 690851

Record 17 of 25

Approximate Date: 1920
Former Use: Mineral railway
Grid Ref: 317675, 691468

Record 18 of 25

Approximate Date: 1959
Former Use: Railways
Grid Ref: 318767, 690931

Record 19 of 25

Approximate Date: 1895
Former Use: Railways
Grid Ref: 318767, 690931

Record 20 of 25

Approximate Date: 1920
Former Use: Railways
Grid Ref: 325414, 690188

Record 21 of 25

Approximate Date: 1938
Former Use: Railways
Grid Ref: 317442, 692285

Record 22 of 25

Approximate Date: 1920
Former Use: Mineral railway
Grid Ref: 317659, 692256

Record 23 of 25

Approximate Date: 1938
Former Use: Mineral railway
Grid Ref: 317659, 692256

Record 24 of 25

Approximate Date: 1920
Former Use: Railways
Grid Ref: 322335, 690741

Record 25 of 25

Approximate Date: 1895
Former Use: Railways
Grid Ref: 320775, 691070

Identified Off-site - Within 250 metre buffer**Record 1 of 26**

Approximate Date: 1938
Former Use: Railways
Approximate distance from site: 2m
Grid Ref: 317187, 692406

Record 2 of 26

Approximate Date: 1920
Former Use: Mineral railway
Approximate distance from site: 228m
Grid Ref: 317650, 691746

Record 3 of 26

Approximate Date: 1959
Former Use: Mineral railway
Approximate distance from site: 228m
Grid Ref: 317650, 691746

Record 4 of 26

Approximate Date: 1938
Former Use: Mineral railway
Approximate distance from site: 228m
Grid Ref: 317650, 691746

Record 5 of 26

Approximate Date: 1920
Former Use: Mineral railway
Approximate distance from site: 6m
Grid Ref: 323719, 690768

Record 6 of 26

Approximate Date: 1856
Former Use: Mineral railway
Approximate distance from site: 210m
Grid Ref: 317497, 692003

Record 7 of 26

Approximate Date: 1897
Former Use: Railways
Approximate distance from site: 2m
Grid Ref: 327346, 690329

Record 8 of 26

Approximate Date: 1920
Former Use: Railways
Approximate distance from site: 2m
Grid Ref: 327346, 690329

Record 9 of 26

Approximate Date: 1959
Former Use: Railways
Approximate distance from site: 2m
Grid Ref: 327346, 690329

Record 10 of 26

Approximate Date: 1896
Former Use: Mineral railway
Approximate distance from site: 76m
Grid Ref: 317721, 691883

Record 11 of 26

Approximate Date: 1856
Former Use: Railways
Approximate distance from site: 2m
Grid Ref: 327346, 690329

Record 12 of 26

Approximate Date: 1896
Former Use: Railways
Approximate distance from site: 137m
Grid Ref: 317191, 692412

Record 13 of 26

Approximate Date: 1959
Former Use: Mineral railway
Approximate distance from site: 4m
Grid Ref: 326982, 690077

Record 14 of 26

Approximate Date: 1920
Former Use: Railways
Approximate distance from site: 137m
Grid Ref: 317191, 692412

Record 15 of 26

Approximate Date: 1959
Former Use: Railways
Approximate distance from site: 2m
Grid Ref: 317187, 692406

Record 16 of 26

Approximate Date: 1856
Former Use: Mineral railway
Approximate distance from site: 126m
Grid Ref: 317018, 692058

Record 17 of 26

Approximate Date: 1959
Former Use: Railways
Approximate distance from site: 137m
Grid Ref: 317191, 692412

Record 18 of 26

Approximate Date: 1920
Former Use: Mineral railway
Approximate distance from site: 75m
Grid Ref: 317722, 691883

Record 19 of 26

Approximate Date: 1938
Former Use: Mineral railway
Approximate distance from site: 75m
Grid Ref: 317722, 691883

Record 20 of 26

Approximate Date: 1856
Former Use: Railways
Approximate distance from site: 137m
Grid Ref: 317191, 692412

Record 21 of 26

Approximate Date: 1983
 Former Use: Railways
 Approximate distance from site: 2m
 Grid Ref: 327346, 690329

Record 22 of 26

Approximate Date: 1938
 Former Use: Railways
 Approximate distance from site: 137m
 Grid Ref: 317191, 692412

Record 23 of 26

Approximate Date: 1856
 Former Use: Railways
 Approximate distance from site: 2m
 Grid Ref: 317187, 692406

Record 24 of 26

Approximate Date: 1897
 Former Use: Mineral railway
 Approximate distance from site: 96m
 Grid Ref: 327458, 690008

Record 25 of 26

Approximate Date: 1896
 Former Use: Railways
 Approximate distance from site: 2m
 Grid Ref: 317187, 692406

Record 26 of 26

Approximate Date: 1920
 Former Use: Railways
 Approximate distance from site: 2m
 Grid Ref: 317187, 692406

5.3 Potential Contamination Area Sources

7 feature(s) identified on site.
 52 feature(s) identified off site within 250 metres

Identified On-site

Record 1 of 7

Approximate Date: 1959
 Former Use: Mining of coal & lignite
 Feature Area: 102436m²
 Grid Ref: 317340, 692093

Record 2 of 7

Approximate Date: 1920
 Former Use: Sewage
 Feature Area: 10477m²
 Grid Ref: 317156, 692183

Record 3 of 7

Approximate Date: 1959
 Former Use: Railways
 Feature Area: 13132m²
 Grid Ref: 322532, 690773

Record 4 of 7

Approximate Date: 1990
 Former Use: Electricity production & distribution [inc large transformers]
 Feature Area: 10915m²
 Grid Ref: 319681, 691107

Record 5 of 7

Approximate Date: 1990
 Former Use: Unknown Filled Ground (Pit, quarry etc)
 Feature Area: 102436m²
 Grid Ref: 317340, 692093

Record 6 of 7

Approximate Date: 1938
 Former Use: Sewage
 Feature Area: 10477m²
 Grid Ref: 317156, 692183

Record 7 of 7

Approximate Date: 1920
 Former Use: Railways
 Feature Area: 13132m²
 Grid Ref: 322532, 690773

Identified Off-site - Within 250 metre buffer

Record 1 of 52

Approximate Date: 1856
 Former Use: Factory or works - use not specified
 Approximate distance from site: 145.95m
 Feature Area: 4858m²
 Grid Ref: 327423, 690169

Record 2 of 52

Approximate Date: 1959
Former Use: Spirit distilling & compounding
Approximate distance from site: 120.86m
Feature Area: 8763m²
Grid Ref: 321698, 690673

Record 3 of 52

Approximate Date: 1983
Former Use: Unknown Filled Ground (Pit, quarry etc)
Approximate distance from site: 32.67m
Feature Area: 23102m²
Grid Ref: 327163, 689790

Record 4 of 52

Approximate Date: 1856
Former Use: General quarrying
Approximate distance from site: 98.69m
Feature Area: 2619m²
Grid Ref: 323111, 690880

Record 5 of 52

Approximate Date: 1856
Former Use: Textile works and dye works (bleachfield)
Approximate distance from site: 172.78m
Feature Area: 2216m²
Grid Ref: 327493, 690121

Record 6 of 52

Approximate Date: 1990
Former Use: Unknown Filled Ground (Pit, quarry etc)
Approximate distance from site: 101.63m
Feature Area: 5492m²
Grid Ref: 319837, 690942

Record 7 of 52

Approximate Date: 1990
Former Use: Unknown Filled Ground (Pit, quarry etc)
Approximate distance from site: 18.16m
Feature Area: 48065m²
Grid Ref: 317635, 691571

Record 8 of 52

Approximate Date: 1938
Former Use: Mining of coal & lignite
Approximate distance from site: 80.76m
Feature Area: 24078m²
Grid Ref: 318394, 691285

Record 9 of 52

Approximate Date: 1959
Former Use: Sewage
Approximate distance from site: 138.02m
Feature Area: 2198m²
Grid Ref: 322284, 690913

Record 10 of 52

Approximate Date: 1938
Former Use: Mining of coal & lignite
Approximate distance from site: 0.18m
Feature Area: 57029m²
Grid Ref: 317304, 692165

Record 11 of 52

Approximate Date: 1938
Former Use: Gas manufacture & distribution
Approximate distance from site: 90.36m
Feature Area: 9819m²
Grid Ref: 316947, 692015

Record 12 of 52

Approximate Date: 1896
Former Use: Mining of coal & lignite
Approximate distance from site: 36.91m
Feature Area: 6996m²
Grid Ref: 317738, 691691

Record 13 of 52

Approximate Date: 1856
Former Use: General quarrying
Approximate distance from site: 107.77m
Feature Area: 1620m²
Grid Ref: 319829, 690940

Record 14 of 52

Approximate Date: 1993
Former Use: Factory or works - use not specified
Approximate distance from site: 140.54m
Feature Area: 6553m²
Grid Ref: 327436, 690178

Record 15 of 52

Approximate Date: 1895
Former Use: General quarrying
Approximate distance from site: 107.77m
Feature Area: 3058m²
Grid Ref: 319823, 690948

Record 16 of 52

Approximate Date: 1990
Former Use: Unknown Filled Ground (Pit, quarry etc)
Approximate distance from site: 80.76m
Feature Area: 24078m²
Grid Ref: 318394, 691285

Record 17 of 52

Approximate Date: 1992
Former Use: Unknown Filled Ground (Pit, quarry etc)
Approximate distance from site: 98.69m
Feature Area: 2619m²
Grid Ref: 323111, 690880

Record 18 of 52

Approximate Date: 1920
Former Use: Spirit distilling & compounding
Approximate distance from site: 120.86m
Feature Area: 8763m²
Grid Ref: 321698, 690673

Record 19 of 52

Approximate Date: 1896
Former Use: Mining of coal & lignite
Approximate distance from site: 36.24m
Feature Area: 19065m²
Grid Ref: 317243, 692144

Record 20 of 52

Approximate Date: 1920
Former Use: General quarrying
Approximate distance from site: 147.90m
Feature Area: 21112m²
Grid Ref: 327098, 689813

Record 21 of 52

Approximate Date: 1964
Former Use: Metal casting/foundries
Approximate distance from site: 52.63m
Feature Area: 2304m²
Grid Ref: 321733, 690742

Record 22 of 52

Approximate Date: 1959
Former Use: Mining of coal & lignite
Approximate distance from site: 142.11m
Feature Area: 235686m²
Grid Ref: 317047, 691645

Record 23 of 52

Approximate Date: 1990
Former Use: Unknown Filled Ground (Pit, quarry etc)
Approximate distance from site: 36.91m
Feature Area: 2052m²
Grid Ref: 317777, 691728

Record 24 of 52

Approximate Date: 1920
Former Use: Mining of coal & lignite
Approximate distance from site: 80.76m
Feature Area: 24078m²
Grid Ref: 318394, 691285

Record 25 of 52

Approximate Date: 1920
Former Use: Sewage
Approximate distance from site: 93.57m
Feature Area: 2901m²
Grid Ref: 317746, 691739

Record 26 of 52

Approximate Date: 1895
Former Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)
Approximate distance from site: 112.47m
Feature Area: 1440m²
Grid Ref: 321481, 690897

Record 27 of 52

Approximate Date: 1959
Former Use: General quarrying
Approximate distance from site: 101.63m
Feature Area: 5492m²
Grid Ref: 319837, 690942

Record 28 of 52

Approximate Date: 1896
Former Use: Sawmilling, planing & impregnation [i.e. treatment of timber]
Approximate distance from site: 89.84m
Feature Area: 4748m²
Grid Ref: 316961, 692049

Record 29 of 52

Approximate Date: 1959
Former Use: Gas manufacture & distribution
Approximate distance from site: 90.36m
Feature Area: 9819m²
Grid Ref: 316947, 692015

Record 30 of 52

Approximate Date: 1992
Former Use: Heap, unknown constituents
Approximate distance from site: 9.07m
Feature Area: 199474m²
Grid Ref: 323551, 690638

Record 31 of 52

Approximate Date: 1959
Former Use: Heap, unknown constituents
Approximate distance from site: 40.57m
Feature Area: 22242m²
Grid Ref: 323645, 690722

Record 32 of 52

Approximate Date: 1920
Former Use: Heap, unknown constituents
Approximate distance from site: 12.62m
Feature Area: 7340m²
Grid Ref: 323758, 690756

Record 33 of 52

Approximate Date: 1992
Former Use: Sewage
Approximate distance from site: 146.03m
Feature Area: 2046m²
Grid Ref: 322274, 690917

Record 34 of 52

Approximate Date: 1897
Former Use: Factory or works - use not specified
Approximate distance from site: 145.95m
Feature Area: 4858m²
Grid Ref: 327423, 690169

Record 35 of 52

Approximate Date: 1938
Former Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)
Approximate distance from site: 200.72m
Feature Area: 13740m²
Grid Ref: 317489, 691806

Record 36 of 52

Approximate Date: 1990
Former Use: Unknown Filled Ground (Pit, quarry etc)
Approximate distance from site: 142.11m
Feature Area: 235686m²
Grid Ref: 317047, 691645

Record 37 of 52

Approximate Date: 1938
Former Use: Mining of coal & lignite
Approximate distance from site: 18.16m
Feature Area: 48065m²
Grid Ref: 317635, 691571

Record 38 of 52

Approximate Date: 2000
Former Use: Metal casting/foundries
Approximate distance from site: 176.23m
Feature Area: 1017m²
Grid Ref: 327456, 690144

Record 39 of 52

Approximate Date: 1959
Former Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)
Approximate distance from site: 67.74m
Feature Area: 5840m²
Grid Ref: 317825, 692133

Record 40 of 52

Approximate Date: 1895
Former Use: Spirit distilling & compounding
Approximate distance from site: 120.86m
Feature Area: 8763m²
Grid Ref: 321698, 690673

Record 41 of 52

Approximate Date: 1920
Former Use: Mining of coal & lignite
Approximate distance from site: 18.16m
Feature Area: 48065m²
Grid Ref: 317635, 691571

Record 42 of 52

Approximate Date: 1920
Former Use: General quarrying
Approximate distance from site: 101.63m
Feature Area: 5492m²
Grid Ref: 319837, 690942

Record 43 of 52

Approximate Date: 1896
 Former Use: Clay bricks & tiles [manufacture]
 Approximate distance from site: 26.51m
 Feature Area: 11092m²
 Grid Ref: 317476, 692157

Record 44 of 52

Approximate Date: 1990
 Former Use: Road haulage
 Approximate distance from site: 166.59m
 Feature Area: 7452m²
 Grid Ref: 316930, 691989

Record 45 of 52

Approximate Date: 1856
 Former Use: General quarrying
 Approximate distance from site: 157.11m
 Feature Area: 15333m²
 Grid Ref: 327075, 689790

Record 46 of 52

Approximate Date: 1959
 Former Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)
 Approximate distance from site: 77.03m
 Feature Area: 2310m²
 Grid Ref: 317946, 691991

Record 47 of 52

Approximate Date: 1897
 Former Use: General quarrying
 Approximate distance from site: 32.67m
 Feature Area: 31351m²
 Grid Ref: 327139, 689800

Record 48 of 52

Approximate Date: 1959
 Former Use: Heap, unknown constituents
 Approximate distance from site: 2.18m
 Feature Area: 28015m²
 Grid Ref: 317915, 692086

Record 49 of 52

Approximate Date: 1920
 Former Use: Mining of coal & lignite
 Approximate distance from site: 0.18m
 Feature Area: 57029m²
 Grid Ref: 317304, 692165

Record 50 of 52

Approximate Date: 1920
 Former Use: Gas manufacture & distribution
 Approximate distance from site: 96.88m
 Feature Area: 7480m²
 Grid Ref: 316954, 692027

Record 51 of 52

Approximate Date: 1938
 Former Use: Sewage
 Approximate distance from site: 93.57m
 Feature Area: 2901m²
 Grid Ref: 317746, 691739

Record 52 of 52

Approximate Date: 1856
 Former Use: Factory or works - use not specified
 Approximate distance from site: 133.58m
 Feature Area: 4651m²
 Grid Ref: 327181, 690210

5.4 District Council Landfill Records

2 feature(s) identified on site.
 8 feature(s) identified off site within 250 metres

Identified On-site**Record 1 of 2**

Name: Camilla Farm, Auchtertool
 Last Known Year of Operation: 01/04/1993
 Feature Area: 6545m²
 Grid Ref: 321322, 691123

Record 2 of 2

Name: Balbarton Area 3, Kirkcaldy
 Last Known Year of Operation:
 Feature Area: 21389m²
 Grid Ref: 323832, 690715

Identified Off-site - Within 250 metre buffer**Record 1 of 8**

Name: Balbarton Main, Auchtertool
 Last Known Year of Operation: 1963
 Approximate distance from site: 16.97m
 Feature Area: 51693m²
 Grid Ref: 323674, 690710

Record 2 of 8

Name: Balbarton Low, Auchtertool
 Last Known Year of Operation: 1973
 Approximate distance from site: 145.80m
 Feature Area: 19566m²
 Grid Ref: 323634, 690604

Record 3 of 8

Name: Balbarton Area 4, Auchtertool
 Last Known Year of Operation: 1988
 Approximate distance from site: 209.08m
 Feature Area: 82419m²
 Grid Ref: 323222, 690498

Record 4 of 8

Name: West Mill, Kirkcaldy
 Last Known Year of Operation: 15/03/1993
 Approximate distance from site: 64.47m
 Feature Area: 5291m²
 Grid Ref: 327214, 690138

Record 5 of 8

Name: Newton Farm, Cowdenbeath
 Last Known Year of Operation: 1970
 Approximate distance from site: 108.26m
 Feature Area: 90108m²
 Grid Ref: 317386, 691993

Record 6 of 8

Name: Balbarton Ext 1, Auchtertool
 Last Known Year of Operation:
 Approximate distance from site: 24.37m
 Feature Area: 55512m²
 Grid Ref: 323348, 690693

Record 7 of 8

Name: Balbarton Area 5, Auchtertool
 Last Known Year of Operation: 1999
 Approximate distance from site: 126.46m
 Feature Area: 64174m²
 Grid Ref: 322964, 690626

Record 8 of 8

Name: Balbarton Ext 2, Auchtertool
 Last Known Year of Operation:
 Approximate distance from site: 248.62m
 Feature Area: 31126m²
 Grid Ref: 323620, 690512

5.5 Coal Authority Consultation Areas

2 feature(s) identified on site.

Identified On-site**Record 1 of 2**

Advice: Coal Authority Standing Advice Area

Record 2 of 2

Advice: Coal Authority Referral Area

District Council Landfill Records – On Site

Camilla Farm, Auchtertool – Council records indicate that the site was operated by Tractor Shovels, under WDL/7/79 and WM/DR/41 (K/11/L (WD/24/30)), for the deposition of industrial (excavated topsoil and subsoil) wastes. It is understood that the site operated from March 1980 to April 1993. The site was investigated under Fife Council's Contaminated Land Inspection Strategy to Phase I level. The site was given a medium risk ranking for ecology but given the low risk identified for human health the site was given a low priority for further investigation. See Contaminated Land reference C458 Dronachy Den Landfill Site for full site details.

Balbarton Area 3, Kirkcaldy – Council records indicate that the site is owned and was operated by Fife Council (Kirkcaldy District Council) for the deposition of domestic wastes. The site forms part of the larger Balbarton Landfill site. The site was investigated under Fife Council's Contaminated land Inspection Strategy to Phase 2 level. The site was given a medium risk ranking. See Contaminated Land reference C9 Balbarton Landfill Site for full site details.

District Council Landfill Records – Within 250m

Balbarton Main, Auchtertool – Council records indicated that the site is owned and was operated by Fife Council (Kirkcaldy District Council) for the deposition of domestic wastes. The site forms part of the larger Balbarton Landfill site. The site was investigated under Fife Council's Contaminated land Inspection Strategy to Phase 2 level. The site was given a medium risk ranking. See Contaminated Land reference C9 Balbarton Landfill Site for full site details.

Balbarton Low, Auchtertool – Council records indicated that the site is owned and was operated by Fife Council (Kirkcaldy District Council) for the deposition of domestic wastes. The site forms part of the larger Balbarton Landfill site. The site was investigated under Fife Council's Contaminated land Inspection Strategy to Phase 2 level. The site was given a medium risk ranking. See Contaminated Land reference C9 Balbarton Landfill Site for full site details.

Balbarton Area 4, Auchtertool – Council records indicated that the site is owned and was operated by Fife Council (Kirkcaldy District Council) for the deposition of household, industrial and commercial wastes. The site forms part of the larger Balbarton Landfill site. The site was investigated under Fife Council's Contaminated land Inspection Strategy to Phase 2 level. The site was given a medium risk ranking. See Contaminated Land reference C9 Balbarton Landfill Site for full site details.

West Mill, Kirkcaldy – Council records indicate that this site was operated by Thos Silverwright, under WDL/2/82 and WM/DR/40, for the deposition of industrial (soil and demolition) wastes. It is understood that the site operated from 11 March 1983 to 15 March 1993. The site was investigated under Fife Council's Contaminated Land Inspection Strategy to Phase I level. Research had shown that the limited landfill gas monitoring undertaken had identified some low concentrations of carbon dioxide and methane, suggesting the degradation of putrescible wastes. The site was given a medium risk ranking in relation to human health and the water environment. See Contaminated Land reference C20 Westmill Landfill for full site details.

Newton Farm, Cowdenbeath – Council records indicate that the site was owned and operated by Fife Council. The dates of operation and the types of wastes deposited are unknown. It is understood that the area had been subject of opencast workings after infilling ceased. The site was investigated under Fife Council's Contaminated Land Inspection Strategy to Phase I level. The site was given a medium risk ranking. See Contaminated Land reference W421 Foulford Colliery Tip for full site details.

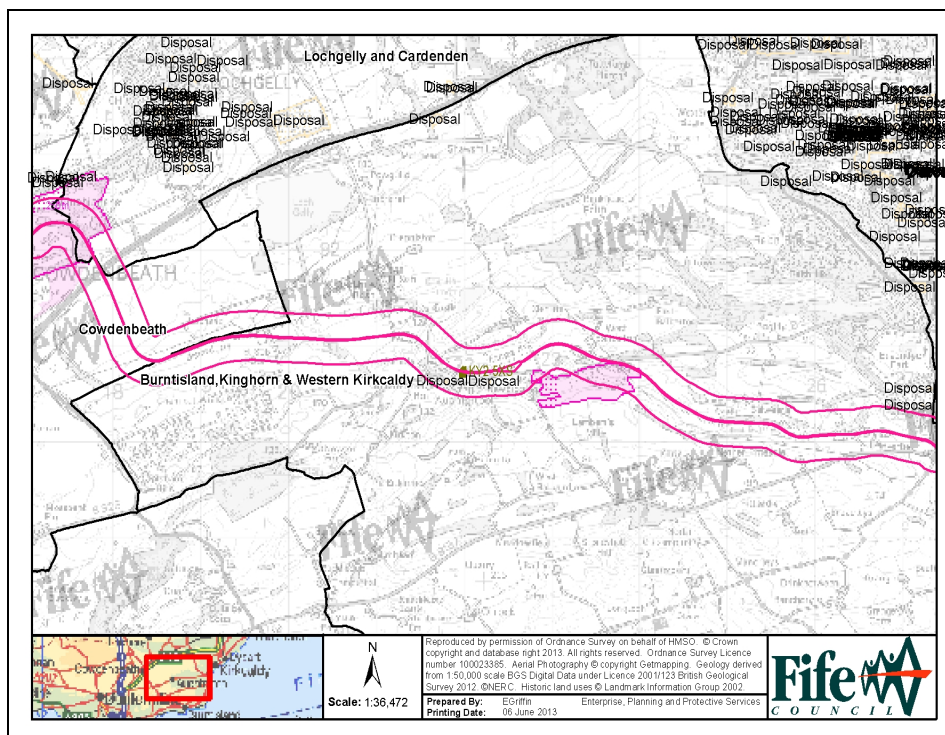
Balbarton Ext 1, Auchtertool – Council records indicated that the site is owned and was operated by Fife Council (Kirkcaldy District Council) for the deposition of domestic wastes. The site forms part of the larger Balbarton Landfill site. The site was investigated under Fife Council's Contaminated land Inspection Strategy to Phase 2 level. The site was given a medium risk ranking. See Contaminated Land reference C9 Balbarton Landfill Site for full site details.

Balbarton Area 5, Auchtertool – Council records indicated that the site is owned and was operated by Fife Council (Kirkcaldy District Council) for the deposition of household, industrial and commercial wastes. The site forms part of the larger Balbarton Landfill site. The site was investigated under Fife Council's Contaminated land Inspection Strategy to

Phase 2 level. The site was given a medium risk ranking. See Contaminated Land reference C9 Balbarton Landfill Site for full site details.

Balbarton Ext 2, Auchtertool – Council records indicated that the site is owned and was operated by Fife Council (Kirkcaldy District Council) for the deposition of domestic wastes. The site forms part of the larger Balbarton Landfill site. The site was investigated under Fife Council's Contaminated land Inspection Strategy to Phase 2 level. The site was given a medium risk ranking. See Contaminated Land reference C9 Balbarton Landfill Site for full site details.

6. Address Information



6.1 Council Assets

2 feature(s) identified on site.

Identified On-site

Record 1 of 2

Land Use: Golf Course
Tenure: Feuhold

Record 2 of 2

Land Use: Landfill Site
Tenure: Feuhold

6.2 Council Titles

3 feature(s) identified on site.

Identified On-site

Record 1 of 3

Service: Environmental Services
Title No: CW239000101

Record 2 of 3

Service: Community Services
Title No: CO179200104

Record 3 of 3

Service: Community Services
Title No: CO179100101

6.3 Council Disposals

(0) features identified (Search Distance - On site)

6.4 Postal Addresses

1 feature(s) identified on site.

Identified On-site

Record 1 of 1

Property Type: Domestic
Address: 31 MORAY COURT,
AUCHTERTOOL, KIRKCALDY
Postcode: KY2 5XS

6.5 Political Ward(s)

3 feature(s) identified on site.

Identified On-site

Record 1 of 3

Ward Name: Cowdenbeath

Number of Elected Members: 3

Record 2 of 3

Ward Name: Lochgelly and Cardenden

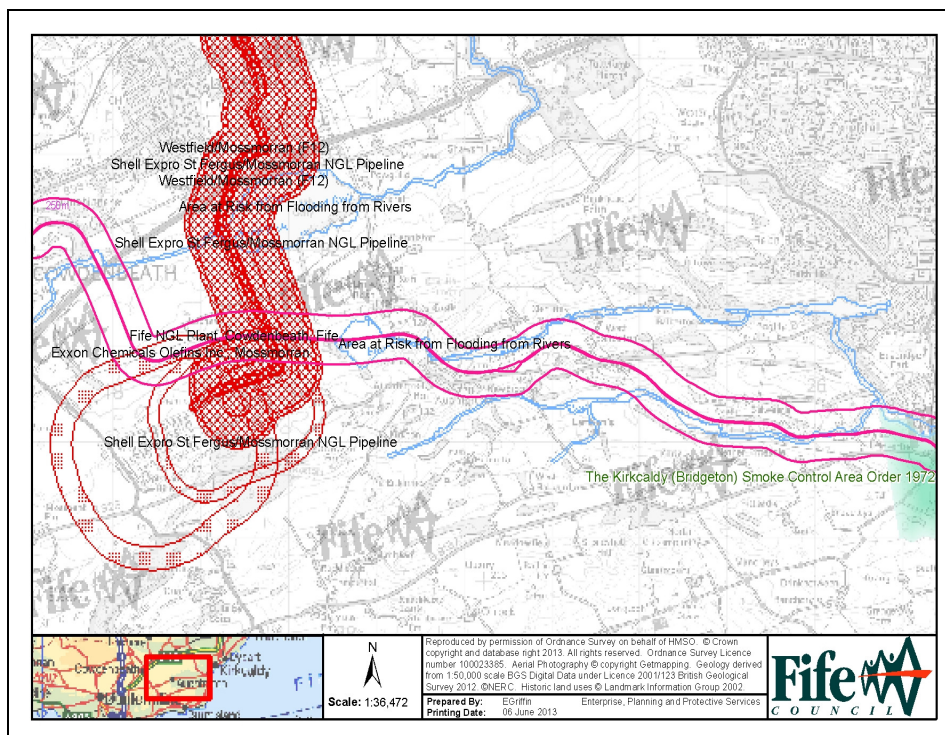
Number of Elected Members: 3

Record 3 of 3

Ward Name: Burntisland, Kinghorn & Western Kirkcaldy

Number of Elected Members: 3

7. Additional Research



7.1 Fluvial Flood Risk

2 feature(s) identified on site.

Identified On-site

Record 1 of 2

Status: Area at Risk from Flooding from Rivers

Record 2 of 2

Status: Area at Risk from Flooding from Rivers

7.2 Coastal Flood Risk

(0) features identified (Search Distance - On site)

7.3 Air Quality Management Areas

(0) features identified (Search Distance - On site)

7.4 Smoke Control Zones

1 feature(s) identified on site.

Identified On-site

Title: The Kirkcaldy (Bridgeton) Smoke Control Area Order 1972
Date Created: 01/07/1973

7.5 Pipeline Hazard Consultation Zones

5 feature(s) identified on site.

Identified On-site

Record 1 of 5

HSE Reference: 6776
Operator: Shell UK Exploration & Production
Details: Shell Expro St Fergus/Mossmorran NGL Pipeline

Record 2 of 5

HSE Reference: 6776
Operator: Shell UK Exploration & Production
Details: Shell Expro St Fergus/Mossmorran NGL Pipeline

Record 3 of 5

HSE Reference: 6776

Operator: Shell UK Exploration & Production

Details: Shell Expro St Fergus/Mossmorran
NGL Pipeline

Record 4 of 5

HSE Reference: 8109

Operator: Scotland Gas Network Ltd

Details: Westfield/Mossmorran (F12)

Record 5 of 5

HSE Reference: 8109

Operator: Scotland Gas Network Ltd

Details: Westfield/Mossmorran (F12)

**7.6 Development Hazard Consultation
Zones**

2 feature(s) identified on site.

Identified On-site**Record 1 of 2**

Reference No: 0

Name: Exxon Chemicals Olefins Inc.,
Mossmorran

Operator: Exxon Chemicals Olefins Inc

Record 2 of 2

Reference No: 0

Name: Fife NGL Plant, Cowdenbeath, Fife

Operator: Shell UK Exploration & Production

8. Site Walkover

Eloise Griffin, Blair Falconer and Kenny Bisset conducted a site walkover on the 24th of September 2013, where it was noted that the site had a mixture of uses: residential, agricultural, open ground / recreational ground and a yard area.

8.1 Site Topography

Given the size of the site, various site levels were noted (several level areas identified while others noted to undulate or located on inclines/slopes).

8.2 Buildings on Site

Several residential properties identified where the former railway line runs through the town of Auchtertool, though the railway line mainly covered the garden areas of these properties. These areas appeared to be well maintained,

A large commercial / industrial type shed is located in the former Auchtertool Goods Station. This yard area appears to be used as a storage area (possible builder's materials) and does not appear to be in frequent use.

8.3 Surface Conditions

A mixture of surface conditions was identified with the site covering agricultural, residential, open ground / recreational ground and an industrial / commercial yard area. Some areas were noted to be better maintained than others. The yard area, located in the east of Auchtertool was noted to be used for storage (possible disposal / fly tipping) of materials.

8.4 Vegetation on Site

Various vegetated areas identified given the site crosses agricultural, garden and open / recreational ground. No obvious signs of vegetation stress / die back were observed during the site visit.

8.5 Surface Water

No surface water was encountered at the areas where the site could be accessed, however it is known that the Tiel, Dronachy and Den / Lochgelly Burns cross the site or run within the vicinity of the site at various locations.

8.6 Fencing / Notices

Access was not available to all areas of site; no access to individual residential properties or all agricultural parts of the site (not possible to access all areas via farm tracks).

9. Consultations

9.1 Planning Consultations

The site was noted to cross several planning application sites; these ranged from residential alterations / extensions to major developments. It is worth noting that the former railway line crossed / formed only part of the individual application sites.

The Contaminated Land Team appeared to have been consulted on two of these applications; 08/01053/WEIA (Erection of 9 wind turbine generators in revised positions to locations permitted under planning permission no. 04/04266/WEIA, increase permitted turbine height, construction of substation building and erection of 80m anemometry mast, formation of access tracks and ancillary development at Little Raith Farm) and 11/00037/FULL (Erection of domestic garage to side and two storey extension to rear of dwellinghouse at 21 Moray Court).

Full details can be found in Appendix C.

9.2 Scottish Environment Protection Agency

No response was provided by SEPA at the time of writing.

9.3 Statutory Nuisance or Pollution Incidents

No open Service Requests were noted; however several historical records (household waste collections, stray dogs, pest control and street cleaning) were identified.

9.4 Fife Council Trading Standards

No Trading Standards records were found.

9.5 Internet Search Results

Several photographs of areas of the site that could not be accessed during the site visit were found at <http://www.railbrit.co.uk/location.php?loc=Kirkcaldy%20District%20Railway>

10. Risk Assessment

For land to be classified as Contaminated Land under the Environmental Protection Act 1990 (Part IIA), a pollutant linkage comprising a source, pathway and receptor must exist.

The preliminary environmental risk assessment has been assessed using the principles set out within the DoE 1995 report CLR 6, "Prioritisation and characterisation procedure for sites which may be contaminated". The risk significance categories of each pollutant linkage have been determined using Stage 1 hazard screening scores provided by GeoEnviron site prioritisation software. For human health, scores are on a scale of 0 to 56; for surface water, groundwater and ecological receptors the scale is 0 to 36. Where a DoE Industry Profile is available, Stage 2 exposure assessment scores, on a scale of 0 to 26, have also been calculated to refine the risk assessment. These are considered to represent risk significance as outlined in the table below.

Stage 1 Scores Human Health	Stage 1 Scores Waters/Ecology	Stage 2 Scores Exposure	Risk Significance
41 - 56	28 - 36	22 - 26	High
26 - 40	19 - 27	17 - 21	Medium
11 - 25	10 - 18	12 - 16	Low
0 - 10	0 - 9	0 - 11	Near Zero / Zero

In terms of the statutory definition of contaminated land, it is considered that a High risk is likely to represent statutory contaminated land, a Medium risk represents potentially contaminated land and a Low, Near Zero or Zero risk represents land that is unlikely to be contaminated. Further investigative effort is usually recommended for High and Medium level risks to confirm and evaluate the risks in terms of CLR6. The results of this assessment are presented in the Conceptual Site Model below.

10.1 Potential Contaminants

Potential Contaminants: Asbestos, Cadmium, Chlorinated Aliphatic Hydrocarbons, Chromium, Copper, Lead, Nickel, PAHs, Polychlorinated biphenyls (PCB), Sulphate, Vanadium

10.2 Conceptual Site Model

Stage 1 Human Health Risk

Potential Contaminative Use: Railway land
Source Hazard Score for Human Health: 4
Human Health Receptor: Housing with gardens
Receptor Sensitivity: High - Human Health
Receptor Sensitivity Score: 8
Stage 1 Risk Score for Human Health: 32
Risk Significance: **MEDIUM**

Stage 1 Groundwater Risk

Potential Contaminative Use: Railway land
Source Hazard Score for Groundwater: 4
Groundwater Receptor: Medium groundwater vulnerability
Receptor Sensitivity: High - Groundwater
Receptor Sensitivity Score: 5
Stage 1 Risk Score for Groundwater: 20
Risk Significance: **MEDIUM**

Stage 1 Surface Water Risk

Potential Contaminative Use: Railway land
Source Hazard Score for Surface Water: 4
Surface Water Receptor: Surface Water
Body On Site
Receptor Sensitivity: Very High - Surface
Water
Receptor Sensitivity Score: 6
Stage 1 Risk Score for Surface Water: 24
Risk Significance: **MEDIUM**

Stage 1 Ecology Risk

Potential Contaminative Use: Railway land
Source Hazard Score for Ecology: 4
Ecological Receptor: No Ecological/Property
Receptor
Receptor Sensitivity: None - Land Use
Receptor Sensitivity Score: 0
Stage 1 Risk Score for Ecology: 0
Risk Significance: **ZERO**

Gas Risk

A risk from ground gas can be determined using the GeoEnviron Site Prioritisation Software however it is noted that this only takes in to account the potential for landfill gas whereby no other relevant gas sources (such as derelict underground tanks or made ground) are currently considered.

As noted in Section 5.4 District Council Landfill Records the site crosses two landfill sites and a further eight are located within 250m of the site. Given the length of the site it is considered that the impact of these landfills on the site will be fairly localised and not impact upon the site as a whole (Dronachy Den Landfill Site in an agricultural area with limited access and understood to have been used for the deposition of excavated soils and the Balbarton Landfill Area 3 site is managed site also with limited access (it is considered unlikely that the former rail line will have an impact over and above that of the landfill)).

Given the nature of railway construction there is also the possibility of made ground deposits being present along the length of the site. In the agricultural areas it is considered likely that these materials may have been removed or distributed through years of ploughing activities.

Given this information a **LOW** Risk Significance for Ground Gas Risk is considered appropriate for the site.

10.3 Discussion of Results

As noted above the GeoEnviron Prioritisation Software calculated a medium risk for human health. From the site visit and a study of current maps it was observed that the site mainly crosses through agricultural land where exposure to potentially contaminated material would be limited (ploughing will have dispersed materials and the time that workers or members of the public would be accessing the site will be minimal).

Where the site does pass through a built up area the former railway line was noted to cross a small number of residential gardens, open and recreational ground and a yard area.

The gardens, open and recreational areas appeared to be well maintained with good ground cover (well maintained, good grass cover, areas of hardstanding (roads and patios) and small garden structures (sheds / garages)). It is considered, given the good surface coverage, that exposure to potentially contaminated material would be limited.

While the yard area (former Auchtertool Goods Station) appeared to have poor ground cover (mainly exposed soils), no obvious made ground deposits were observed. The area

appeared to be used for storage and as such it unlikely to be accessed frequently. Therefore exposure to potentially contaminated material is considered to be limited.

Given the limited potential for exposure, a LOW Risk Significance for human health is considered appropriate for the site.

The GeoEnviron software also calculated a medium risk for both surface and ground waters. These waters are already noted to be of poor quality, most likely as a result of former mining activities in the wider area. It is considered that the site is unlikely to impact these waters over and above that already observed, therefore a LOW Risk Significance for surface and ground waters is considered appropriate.

11. Conclusions and Recommendations

The following conclusions were drawn from the desk study, site walkover and additional information received.

There is the potential for contaminants to present on site, however it is considered unlikely that the site presents an acute risk to human health.

The site is mainly used for agricultural purposes; however it was noted to cross a small number of residential gardens, open / recreational ground and a yard area. Based on all the information gathered through the desk study and site walkover, a low risk was identified for human health, ground gases, surface and ground waters. The site is therefore given a LOW Overall Risk ranking.

As outlined in Fife Council's Contaminated Land Inspection Strategy document, the effects on human beings caused by exposure to contaminants are given the highest priority. Therefore, given the low risk identified for human health, the site is given a LOW Priority ranking.

Overall Risk Ranking	LOW
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Priority Ranking	LOW
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It is considered that the site does not require further investigation under Fife Council's Contaminated Land Inspection Strategy at this time. If the site-use changes in the future, this risk assessment would need to be revised.

The priority ratings that arise from desk-based research are used as a guide. Site investigations are incomplete and the findings are based on an interpretation of legislation, codes of practice, guidance notes and research opinion at the time of writing.

12. Sources of Information

British Geological Survey: Solid, Drift and Artificial Geology and Mass Movement

Department of the Environment (now DEFRA): Industry Profiles

Fife Council Performance and Organisational Support: Geographical Information System

Fife Council Trading Standards: Register of Derelict Underground Tanks

GeoEnviron Software: Site Prioritisation Algorithm

Michael Martin's Fife Pits Website: Coal Mining Information

Historic Scotland: PastMap and related databases

The GeoInformation Group: Historic Aerial Photography

The National Library of Scotland: Historic Town Plans

J Nathanail, P Bardos & P Nathanail: Contaminated Land Management: Ready Reference

The Landmark Information Group: Historical Map Sheets and Historic Land Use Database

Ordnance Survey: Base mapping including MasterMap™

Paul Syms: Desk Reference Guide to Potentially Contaminative Land Uses

The Royal Commission on the Ancient & Historical Monuments of Scotland: PastMap etc.

Scottish Environment Protection Agency: Site Specific Information on request

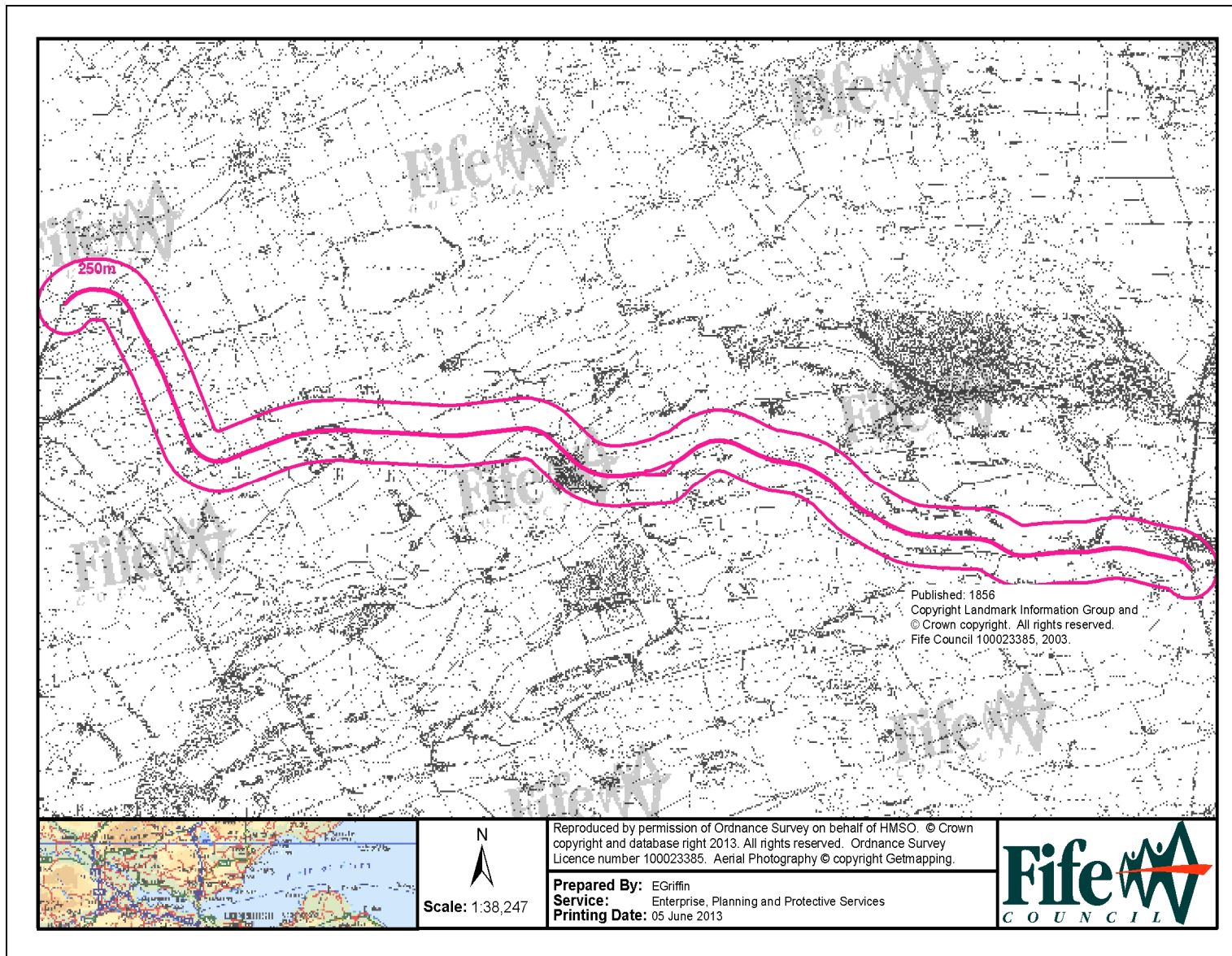
Scottish Executive: PAN 33 (Revised 2000) Development of Contaminated Land

Scottish Natural Heritage: Ecological Sites Data

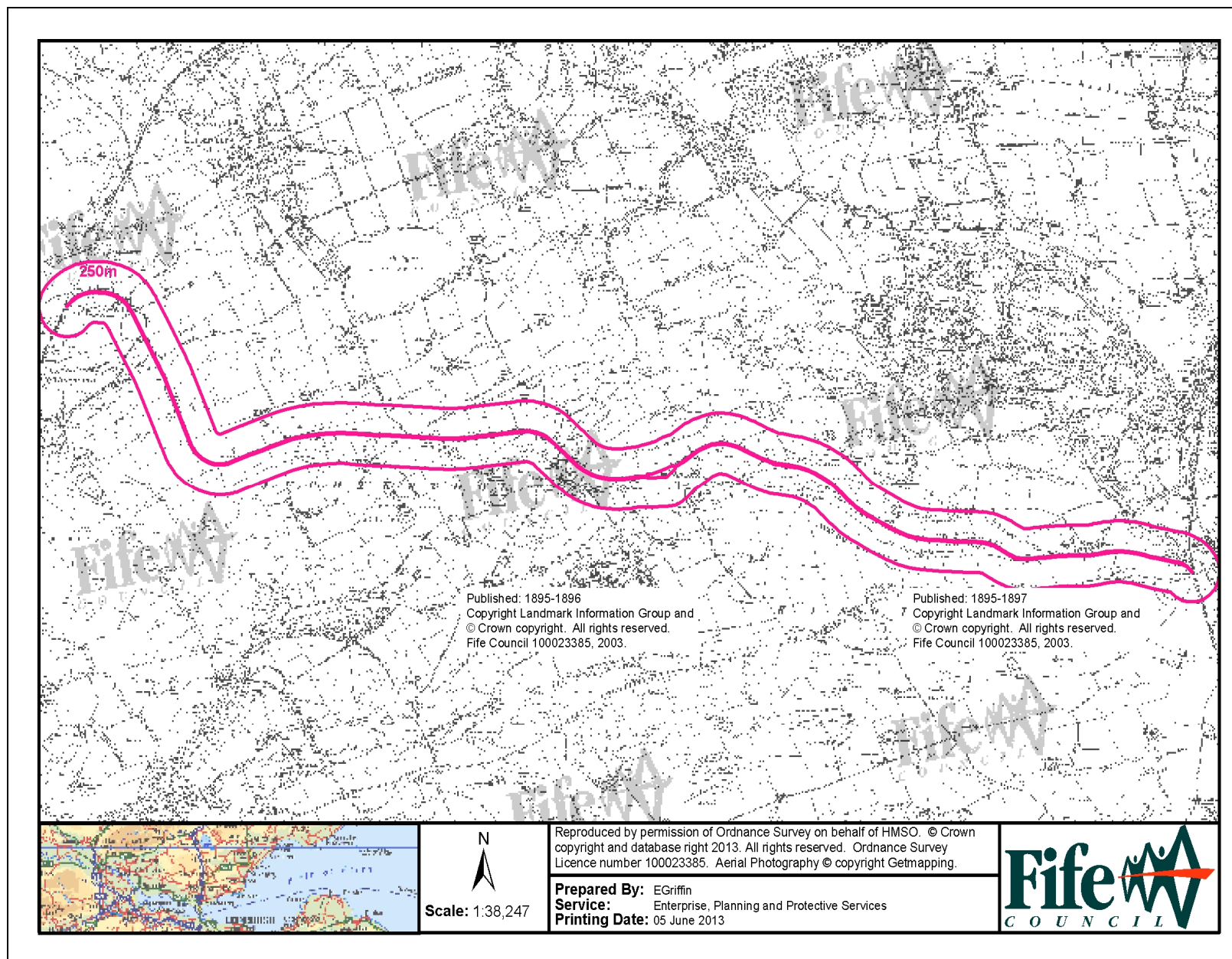
The Scran Image Archive: Historic Site Photographs

The XYZ Digital Mapping Company: Colour Aerial Photography

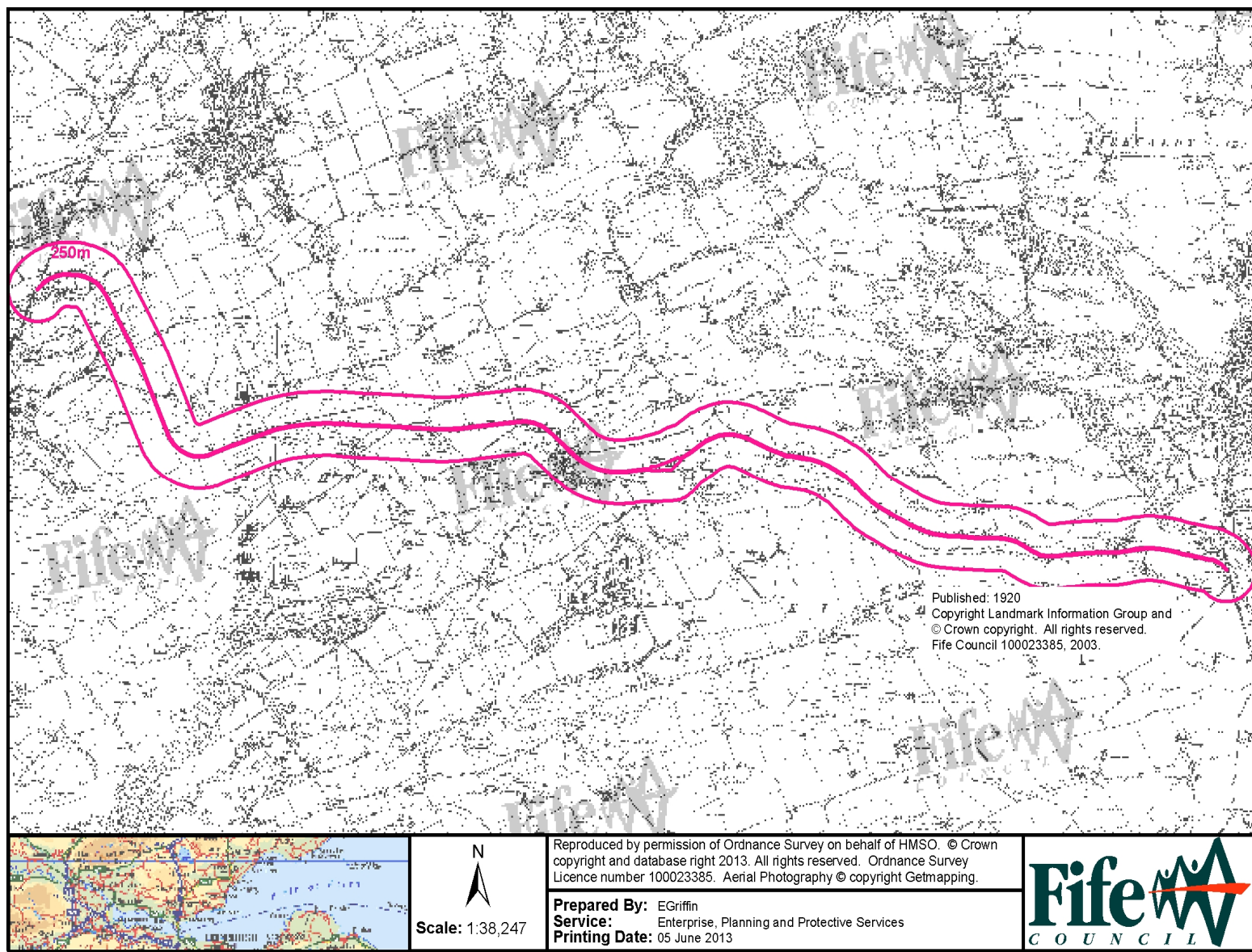
Appendix A Selected Historical Maps



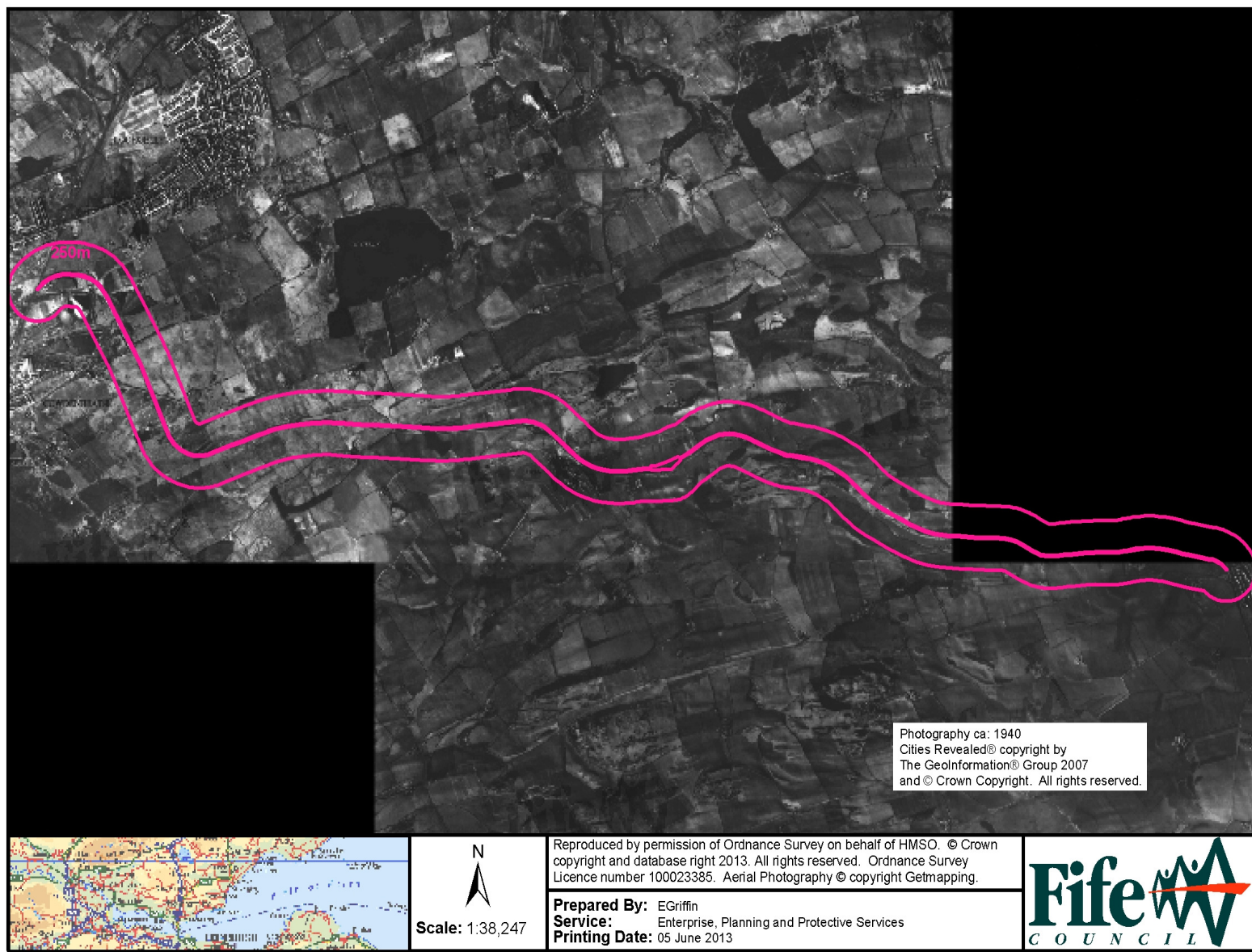
Ordnance Survey ca. 1856



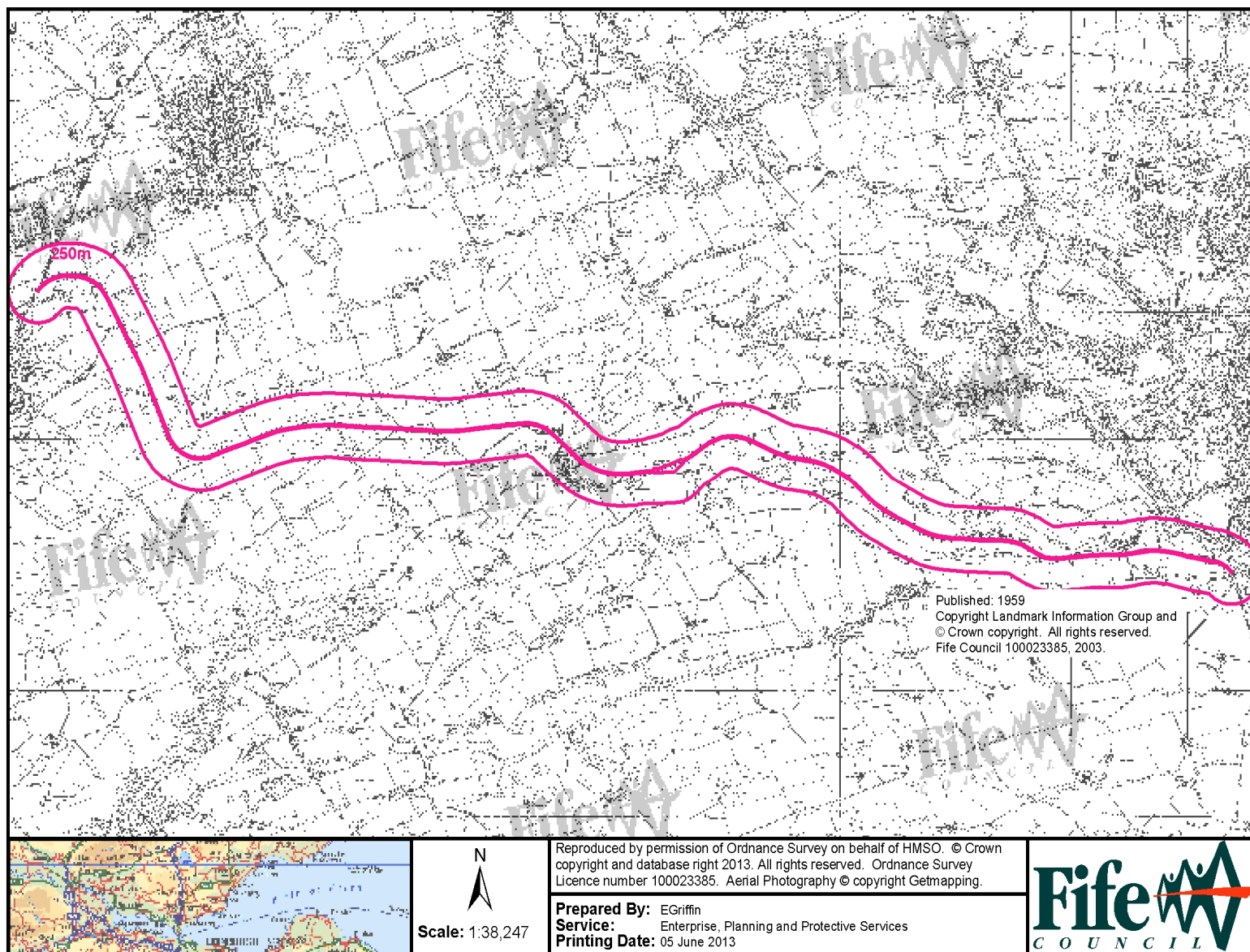
Ordnance Survey ca. 1895 - 1896



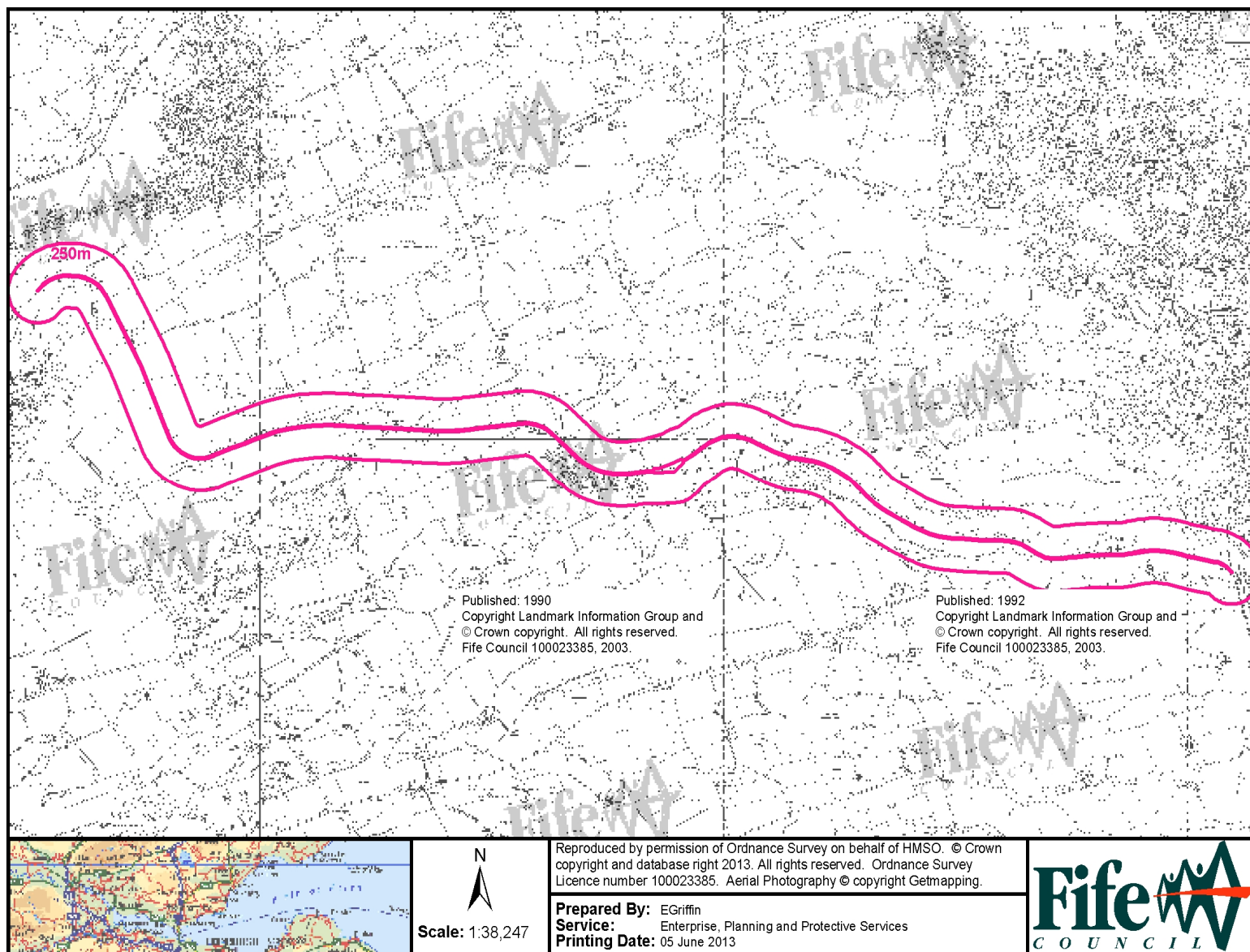
Ordnance Survey ca. 1920



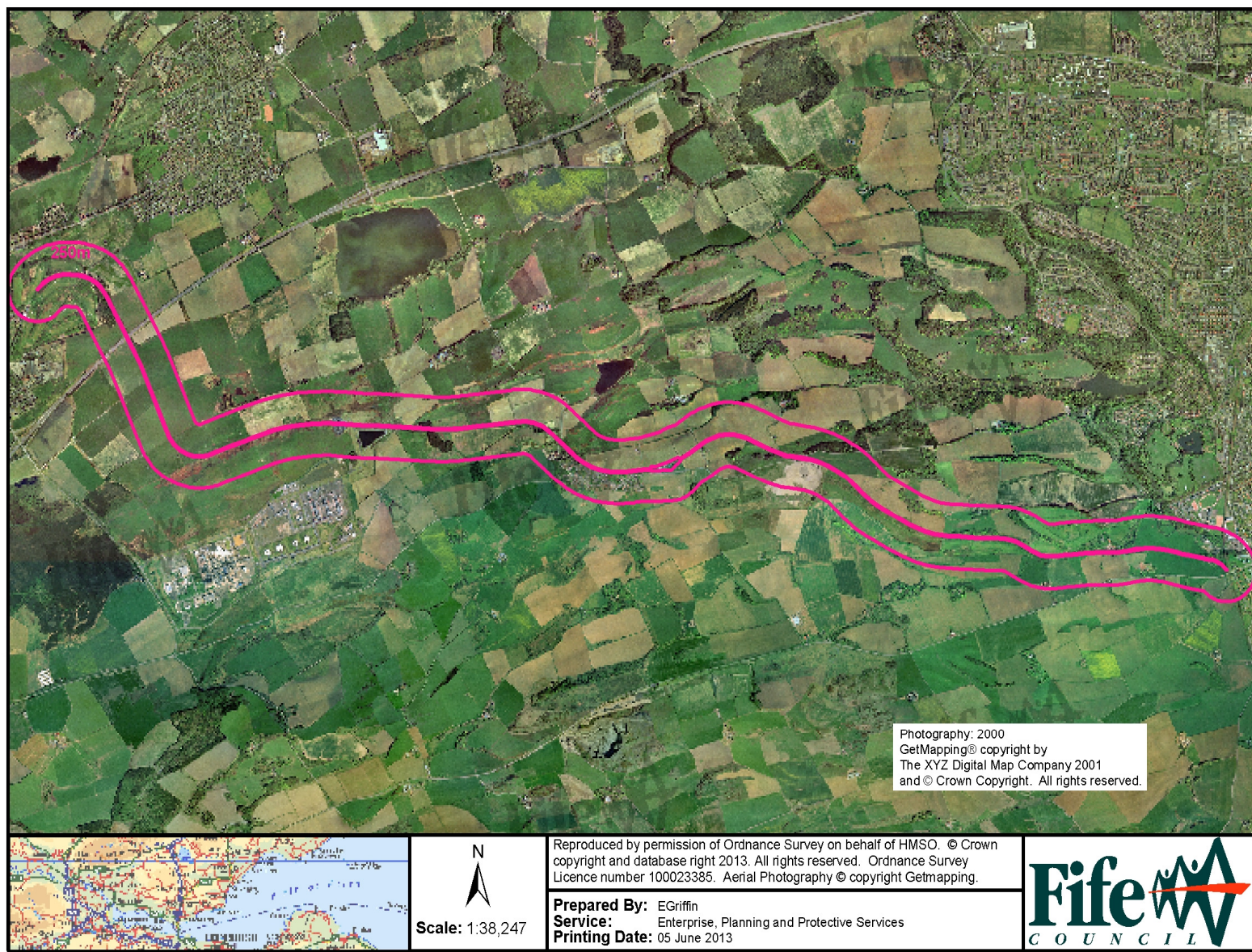
Aerial Photography ca. 1940



Ordnance Survey ca. 1959



Ordnance Survey ca. 1990



Aerial Photography ca. 2000