

|                                                                      |                                                                                      |
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| <p>37</p> <p>Looking southwest along line of proposed alignment.</p> |    |
| <p>38</p> <p>Ancient woodland to northwest of site.</p>              |  |

|                                                                                   |                                                                                     |
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| <p>39</p> <p><i>Looking west along line of former railway trackbed.</i></p>       |   |
| <p>40</p> <p><i>Looking northeast downslope from former railway trackbed.</i></p> |  |

|                                                                                                            |                                                                                     |
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| <p>41</p> <p><i>Looking west along former railway trackbed (now a cyclepath).</i></p>                      |   |
| <p>42</p> <p><i>Looking southeast.</i></p> <p>Pile of colliery spoil adjacent to former railway track.</p> |  |

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| <p>43</p> <p><i>Looking south<br/>up drainage<br/>gully running off<br/>mountain.</i></p> |  A photograph showing a dense forest with tall trees and thick undergrowth. Sunlight filters through the canopy, creating a dappled light effect. The view is looking up a drainage gully.          |
| <p>44</p> <p><i>Looking south<br/>up central<br/>drainage gully.</i></p>                  |  A photograph showing a dense forest with tall trees and thick undergrowth. Sunlight filters through the canopy, creating a dappled light effect. The view is looking up a central drainage gully. |

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| <p>45</p> <p><i>Looking south.</i></p> <p>Embankment to south of former railway trackbed.</p> |   |
| <p>46</p> <p>Culvert running under former railway trackbed at eastern gully.</p>              |  |

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| <p>47</p> <p><i>Looking southwest.</i><br/>Cutting to south of former railway trackbed.</p> |   |
| <p>48</p> <p><i>Looking east</i><br/>along drainage channel.</p>                            |  |

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| <p>49</p> <p><i>Looking west along small retaining wall in village of Caehopkin.</i></p> |   |
| <p>50</p> <p><i>Looking south up steps leading to former railway trackbed.</i></p>       |  |

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| <p>51</p> <p><i>Looking southeast.</i></p> <p>Slope in village of Caehopkin north of site boundary.</p> |   |
| <p>52</p> <p><i>Looking south along drainage ditch.</i></p>                                             |  |

53

*Looking east  
along drainage  
ditch.*



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| <p>54</p> <p>Coal measures exposed at surface.</p>                  |   |
| <p>55</p> <p><i>Looking northwest towards settlement ponds.</i></p> |  |

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| <p>56</p> <p><i>Looking southwest across settlement ponds.</i></p>       |   |
| <p>57</p> <p><i>Looking east towards cattle run under haul road.</i></p> |  |

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| <p>58</p> <p>Looking west along ridge of stockpile to south of settling ponds.</p> |   |
| <p>58a</p> <p>Looking north east towards a historic collapsed adit entrance</p>    |  |

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| <p>59</p> <p><i>Looking east<br/>across southern<br/>face of<br/>stockpile.</i></p> |   |
| <p>60</p> <p><i>Looking west<br/>along line of<br/>tramroad.</i></p>                |  |

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| <p>61</p> <p><i>Looking west across southern boundary of Nant Helen backfill.</i></p>      |   |
| <p>62</p> <p><i>Looking east along small scarp within area of Nant Helen backfill.</i></p> |  |

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| <p>63</p> <p><i>Looking west along tramroad to south of overburden stockpile.</i></p>         |   |
| <p>64</p> <p><i>Looking northwest along drainage ditch south of overburden stockpile.</i></p> |  |

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| <p>65</p> <p><i>Looking northwest across settling pond.</i></p>                             |   |
| <p>67</p> <p><i>Looking northwest across boggy ground west of overburden stockpile.</i></p> |  |

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| <p>68</p> <p>Peat deposits on edge of Nant Helen extension excavation.</p> |   |
| <p>69</p> <p><i>Looking northeast across Nant Helen backfill.</i></p>      |  |

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| <p>70</p> <p>Looking north across settling pond between overburden stockpile and Nant Helen backfill.</p> |   |
| <p>71</p> <p>Looking northeast across Nant Helen backfill.</p>                                            |  |

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| <p>72<br/><i>Looking east across Nant Helen backfill.</i></p>          |   |
| <p>73<br/><i>Looking southeast along edge of Onllwyn backfill.</i></p> |  |

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| <p>74</p> <p><i>Looking south across Onllwyn backfill.</i></p> |   |
| <p>75</p> <p><i>Looking south across Onllwyn backfill.</i></p> |  |

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| <p>76</p> <p><i>Looking north<br/>up blind valley.</i></p>    |   |
| <p>77</p> <p><i>Looking east<br/>towards<br/>washery.</i></p> |  |

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| <p>78</p> <p><i>Looking north towards capped mineshaft.</i></p>            |   |
| <p>79</p> <p><i>Looking southwest along southern edge of haulroad.</i></p> |  |

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| <p>80</p> <p>Looking south across stockpile southwest of haul road.</p>                                                                                                |   |
| <p>80a</p> <p>Looking south along small river channel along the southern boundary of the site where slope failure has occurred adjacent to the existing rail line.</p> |  |

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| <p>81</p> <p><i>Looking west along inner loop alignment.</i></p>        |   |
| <p>82</p> <p><i>Looking north towards area of Onllwyn backfill.</i></p> |  |

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| <p>83</p> <p><i>Looking northeast across northern part of Onllwyn backfill.</i></p> |   |
| <p>84</p> <p><i>Looking north across northern part of Onllwyn backfill.</i></p>     |  |

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| <p>85</p> <p><i>Looking southeast towards area of Onllwyn backfill.</i></p>                |   |
| <p>86</p> <p><i>Looking southeast across pond to west of area of Onllwyn backfill.</i></p> |  |

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| <p>87</p> <p><i>Looking south along shallow valley.</i></p>                                       |   |
| <p>88</p> <p><i>Looking southwest towards stockpile adjacent to Nant Helen site compound.</i></p> |  |

|                                                                                                                              |                                                                                     |
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| <p>88a</p> <p>Looking east<br/>approximately<br/>1.5m deep<br/>depression<br/>representing a<br/>collapsed mine<br/>adit</p> |   |
| <p>88b</p> <p>Looking north<br/>approximately<br/>2m deep<br/>depression<br/>representing a<br/>collapsed mine<br/>adit</p>  |  |

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|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>89</p> <p><i>Looking north across weighbridge towards vegetated stockpile.</i></p> |  <p>A photograph showing a yellow dump truck positioned on a dark, flat surface, likely a weighbridge. In the background, there is a large, vegetated stockpile of material. A small, weathered building with a corrugated metal roof is visible to the right of the truck. The foreground consists of dry, yellowish-brown grass and some small green plants. The sky is clear and blue.</p>     |
| <p>90</p> <p><i>Looking east from vegetated stockpile.</i></p>                        |  <p>A photograph taken from a vegetated stockpile, looking east. The foreground is filled with green, leafy vegetation. In the middle ground, there is a large, dark, conical pile of material. To the left, a green industrial structure is visible. In the background, a long, elevated conveyor system or bridge spans across the landscape. The sky is blue with scattered white clouds.</p> |

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|------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <p>91</p> <p><i>Looking east across coal loading area.</i></p>   |    |
| <p>92</p> <p><i>Looking southwest across settling ponds.</i></p> |  |

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|----------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <p>93</p> <p><i>Looking east across settling pond.</i></p>     |   |
| <p>94</p> <p><i>Looking east across coal loading area.</i></p> |  |

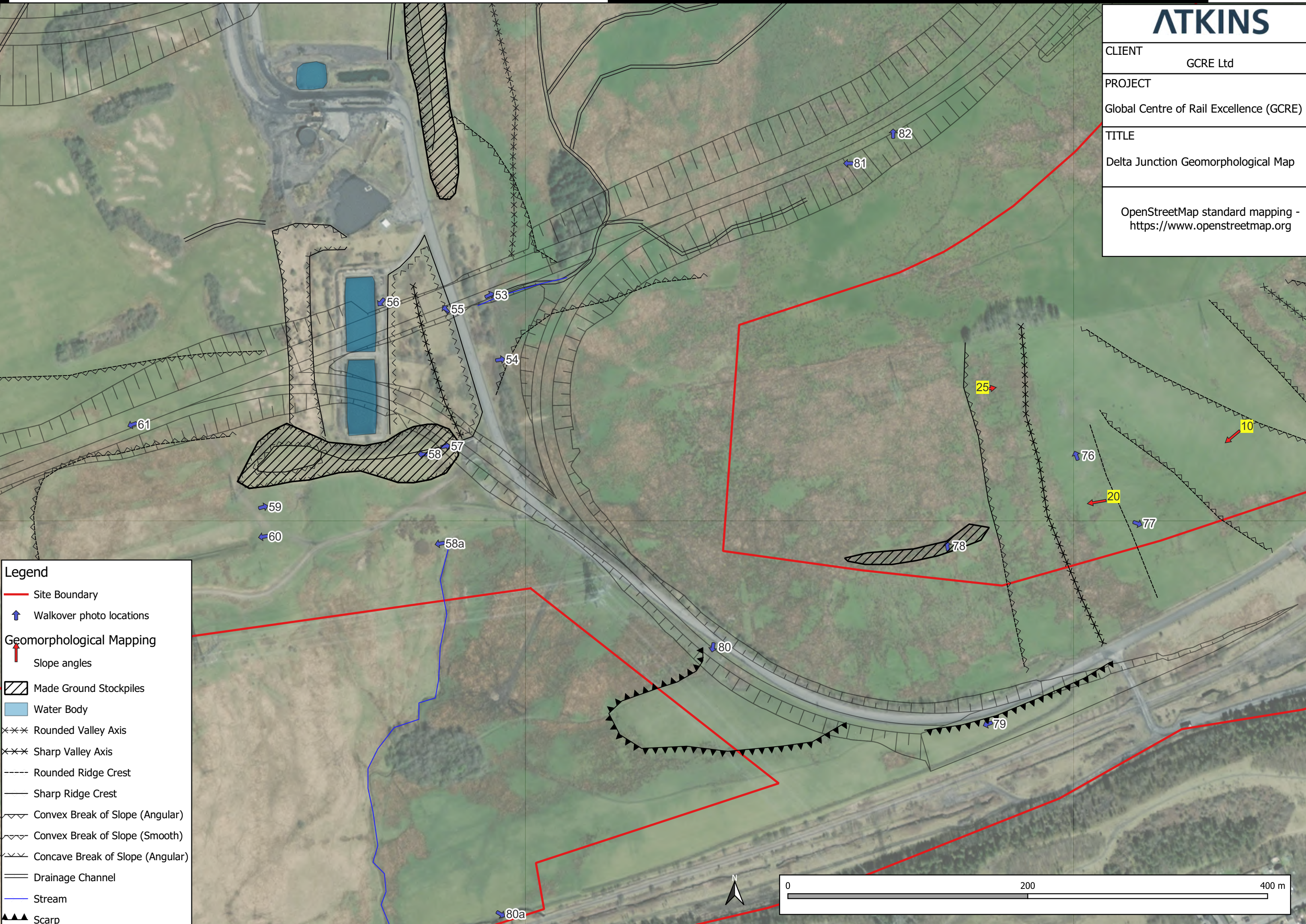
|                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>95</p> <p><i>Looking northwest on stockpile in northeast of washery area.</i></p> |  <p>A photograph showing a person wearing a white hard hat and an orange safety vest standing on a large, flat area of gravel or crushed rock. The person is facing away from the camera, looking towards a line of green trees and bushes in the distance. The sky is blue with scattered white clouds. The foreground is covered in dry, yellowish-brown grass and small yellow wildflowers.</p> |
| <p>96</p> <p><i>Looking east on stockpile in northeast of washery area.</i></p>      |  <p>A wide-angle photograph showing a landscape looking east. In the foreground, there is a field of tall, dry grass and some green shrubs. In the middle ground, there is a large, flat area of gravel or crushed rock. In the background, there are rolling hills and a power line tower. The sky is blue with many white clouds.</p>                                                           |

|                                                                                        |                                                                                     |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <p>97</p> <p><i>Looking west from stockpile towards washery buildings.</i></p>         |   |
| <p>98</p> <p><i>Looking southeast from stockpile in northeast of washery area.</i></p> |  |

|                                                                                                               |                                                                                      |
|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <p>99</p> <p><i>Looking southeast from stockpile towards former truckwash in eastern part of washery.</i></p> |    |
| <p>100</p> <p><i>Looking west across southern edge of washery.</i></p>                                        |  |

ATKINS

|                                                                                                            |                                         |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| CLIENT                                                                                                     | GCRE Ltd                                |
| PROJECT                                                                                                    | Global Centre of Rail Excellence (GCRE) |
| TITLE                                                                                                      | Delta Junction Geomorphological Map     |
| OpenStreetMap standard mapping - <a href="https://www.openstreetmap.org">https://www.openstreetmap.org</a> |                                         |



Legend

Site Boundary

Walkover photo locations

Geomorphological Mapping

Slope angles

Made Ground Stockpiles

Water Body

Rounded Valley Axis

Sharp Valley Axis

Rounded Ridge Crest

Sharp Ridge Crest

Convex Break of Slope (Angular)

Convex Break of Slope (Smooth)

Concave Break of Slope (Angular)

Drainage Channel

Stream

Scarp

**ATKINS**

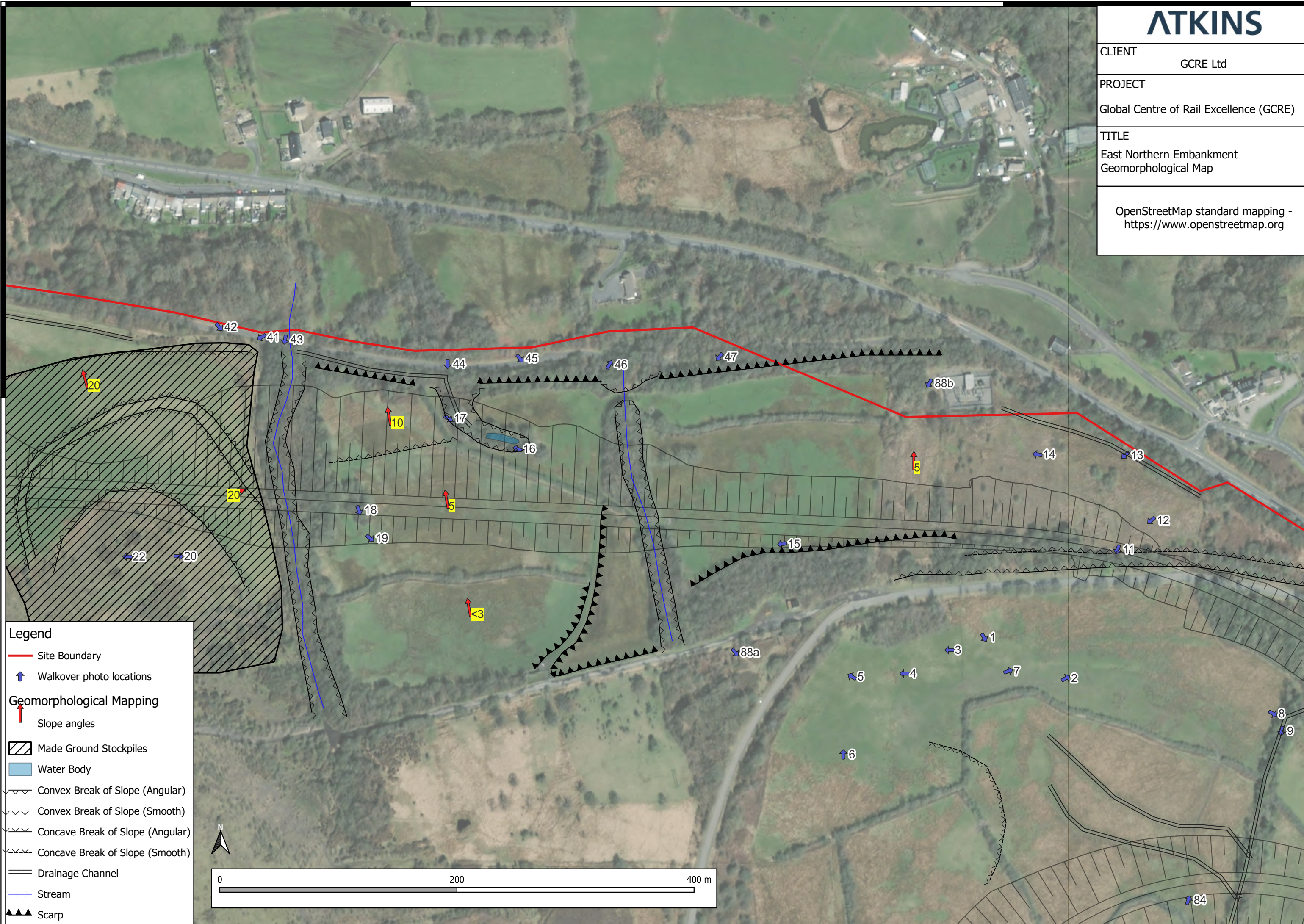
CLIENT

GCRE Ltd

PROJECT

Global Centre of Rail Excellence (GCRE)

TITLE

East Northern Embankment  
Geomorphological MapOpenStreetMap standard mapping -  
<https://www.openstreetmap.org>

PROJECT  
Global Centre for Rail Excellence (GCRE)

CLIENT  
GCRE Ltd

TITLE  
Inner Loop East Geomorphological Map

OpenStreetMap standard mapping -  
<https://www.openstreetmap.org>

## Legend

- Site Boundary
- ↑ Walkover photo locations

## Geomorphological Mapping

- ↑ Slope angles
- ▨ Made Ground Stockpiles
- Water Body
- \*\*\* Rounded Valley Axis
- Sharp Ridge Crest
- ~ Convex Break of Slope (Smooth)
- ~ Concave Break of Slope (Angular)
- ~ Concave Break of Slope (Smooth)
- == Drainage Channel
- ▲▲ Scarp

0 200 400 m



211500N

211000N

283500E

284000E

86  
87  
88

84  
83

74

75

52

5

82

5

3

5

PROJECT  
Global Centre for Rail Excellence (GCRE)

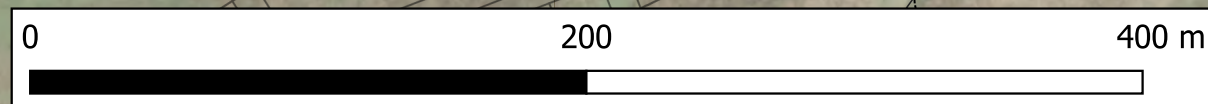
CLIENT  
GCRE Ltd

TITLE  
Inner Loop West Geomorphological Map

OpenStreetMap standard mapping -  
<https://www.openstreetmap.org>

Legend

- Site Boundary
- Walkover photo locations
- Geomorphological Mapping
  - Slope angles
- Made Ground Stockpiles
- Water Body
- Rounded Valley Axis
- Sharp Valley Axis
- Rounded Ridge Crest
- Sharp Ridge Crest
- Convex Break of Slope (Angular)
- Convex Break of Slope (Smooth)
- Concave Break of Slope (Angular)
- Cliff Face
- Drainage Channel
- Stream
- Scarp



## PROJECT

Global Centre for Rail Excellence (GCRE)

## CLIENT

GCRE Ltd

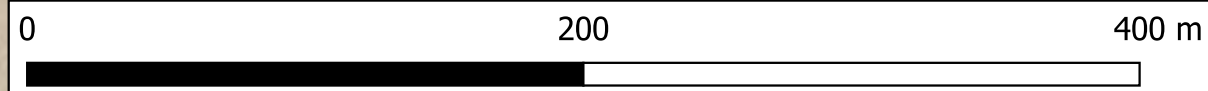
## TITLE

Southwest Cutting Geomorphological Map

OpenStreetMap standard mapping -  
<https://www.openstreetmap.org>

**Legend**

- Site Boundary
- ↑ Walkover photo locations
- Geomorphological Mapping**
- ↑ Slope angles
- Boggy Ground / Likely Peat Deposits
- ▨ Made Ground Stockpiles
- Water Body
- ∨ Convex Break of Slope (Angular)
- ∨ Convex Break of Slope (Smooth)
- ∨ Concave Break of Slope (Angular)
- Drainage Channel
- Stream
- ▲▲ Scarp

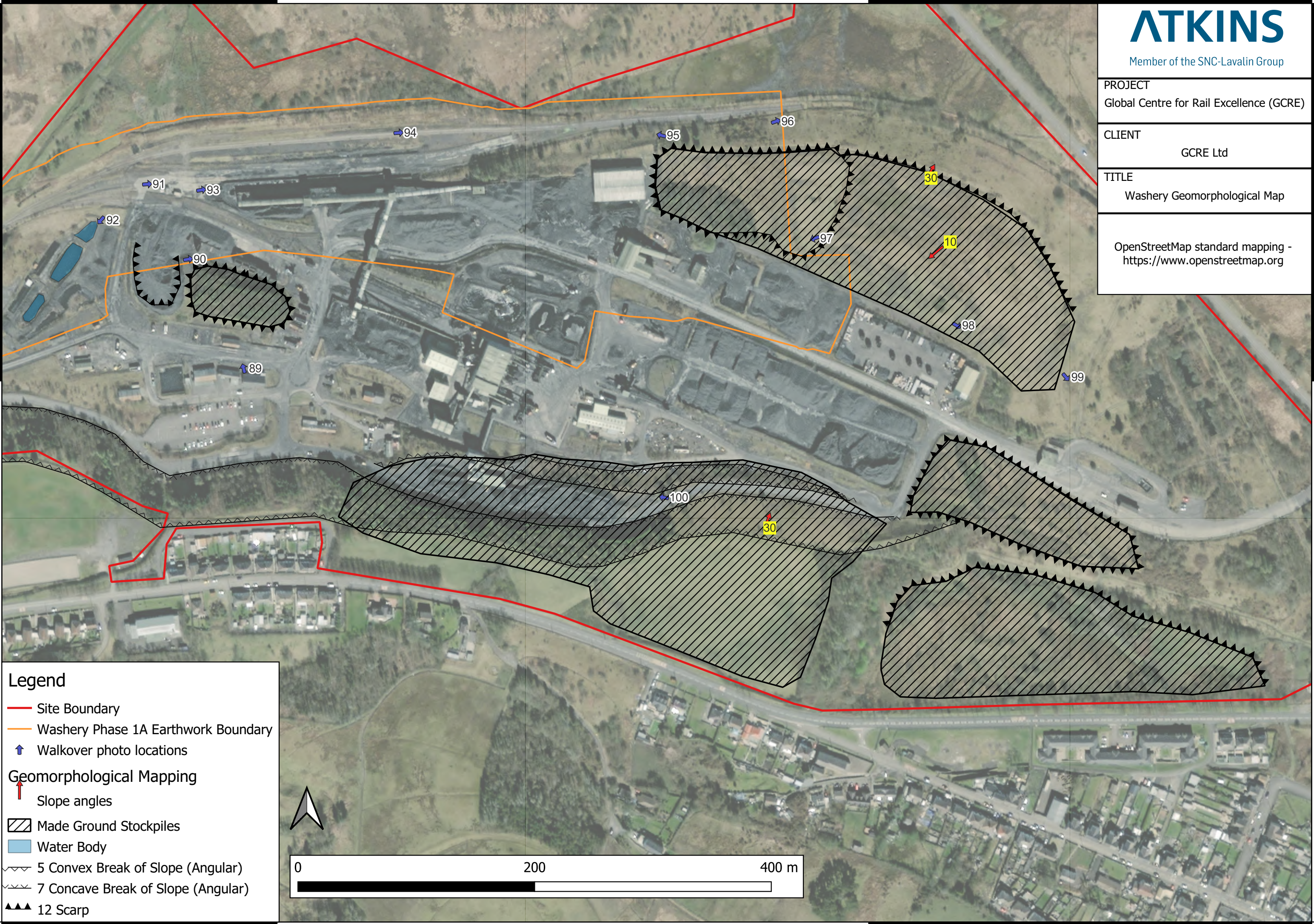


PROJECT  
Global Centre for Rail Excellence (GCRE)

CLIENT  
GCRE Ltd

TITLE  
Washery Geomorphological Map

OpenStreetMap standard mapping -  
<https://www.openstreetmap.org>



## Legend

- Site Boundary
- Washery Phase 1A Earthwork Boundary
- ↑ Walkover photo locations

## Geomorphological Mapping

- ↑ Slope angles
- ▨ Made Ground Stockpiles
- Water Body
- ∨ 5 Convex Break of Slope (Angular)
- ∨ 7 Concave Break of Slope (Angular)
- ▲▲▲ 12 Scarp

**ATKINS**

Member of the SNC-Lavalin Group

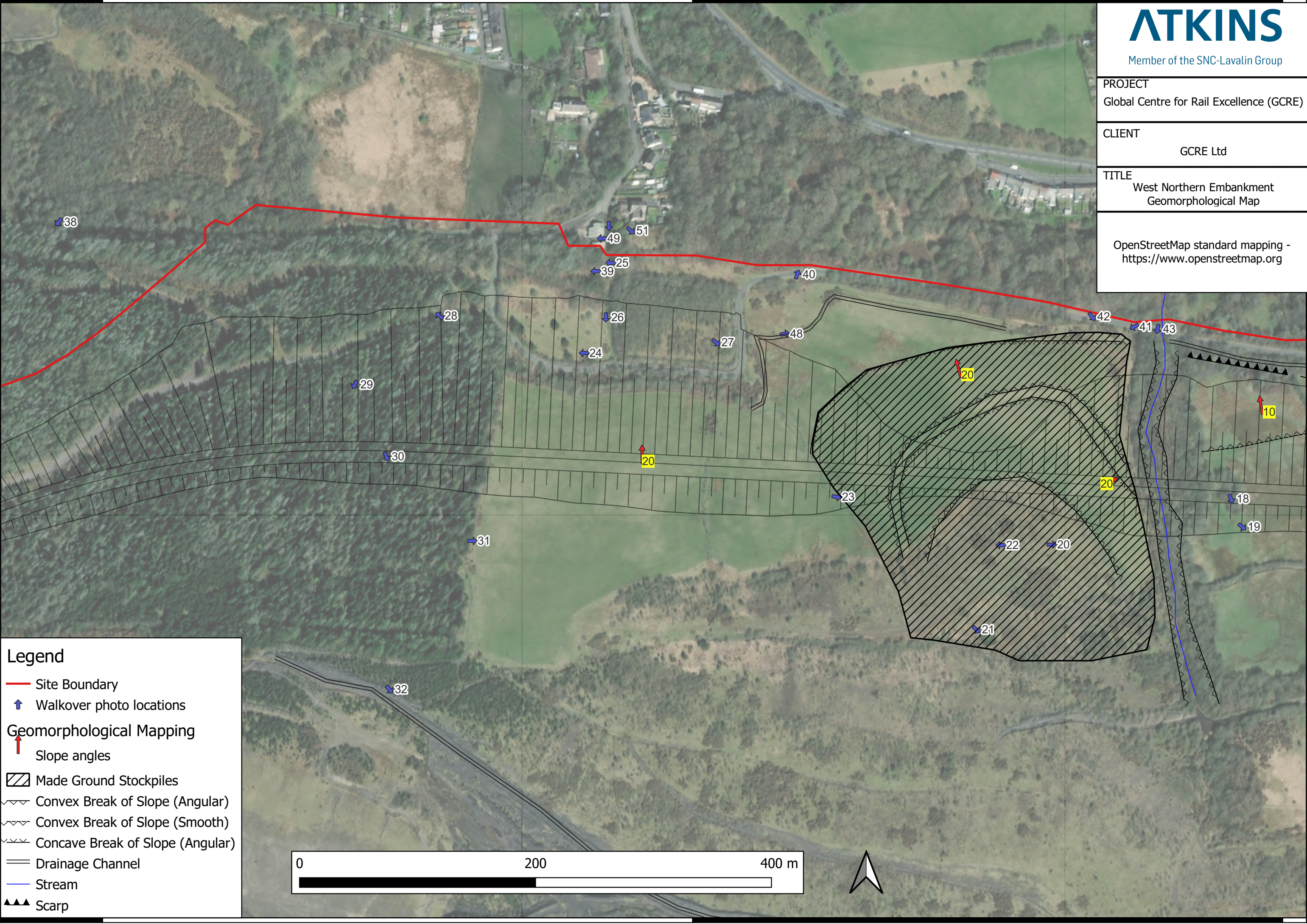
## PROJECT

Global Centre for Rail Excellence (GCRE)

## CLIENT

GCRE Ltd

## TITLE

West Northern Embankment  
Geomorphological MapOpenStreetMap standard mapping -  
<https://www.openstreetmap.org>**Legend**

— Site Boundary

↑ Walkover photo locations

**Geomorphological Mapping**

↑ Slope angles

▨ Made Ground Stockpiles

∇ Convex Break of Slope (Angular)

∇ Convex Break of Slope (Smooth)

∇ Concave Break of Slope (Angular)

— Drainage Channel

— Stream

▲▲▲ Scarp

0 200 400 m

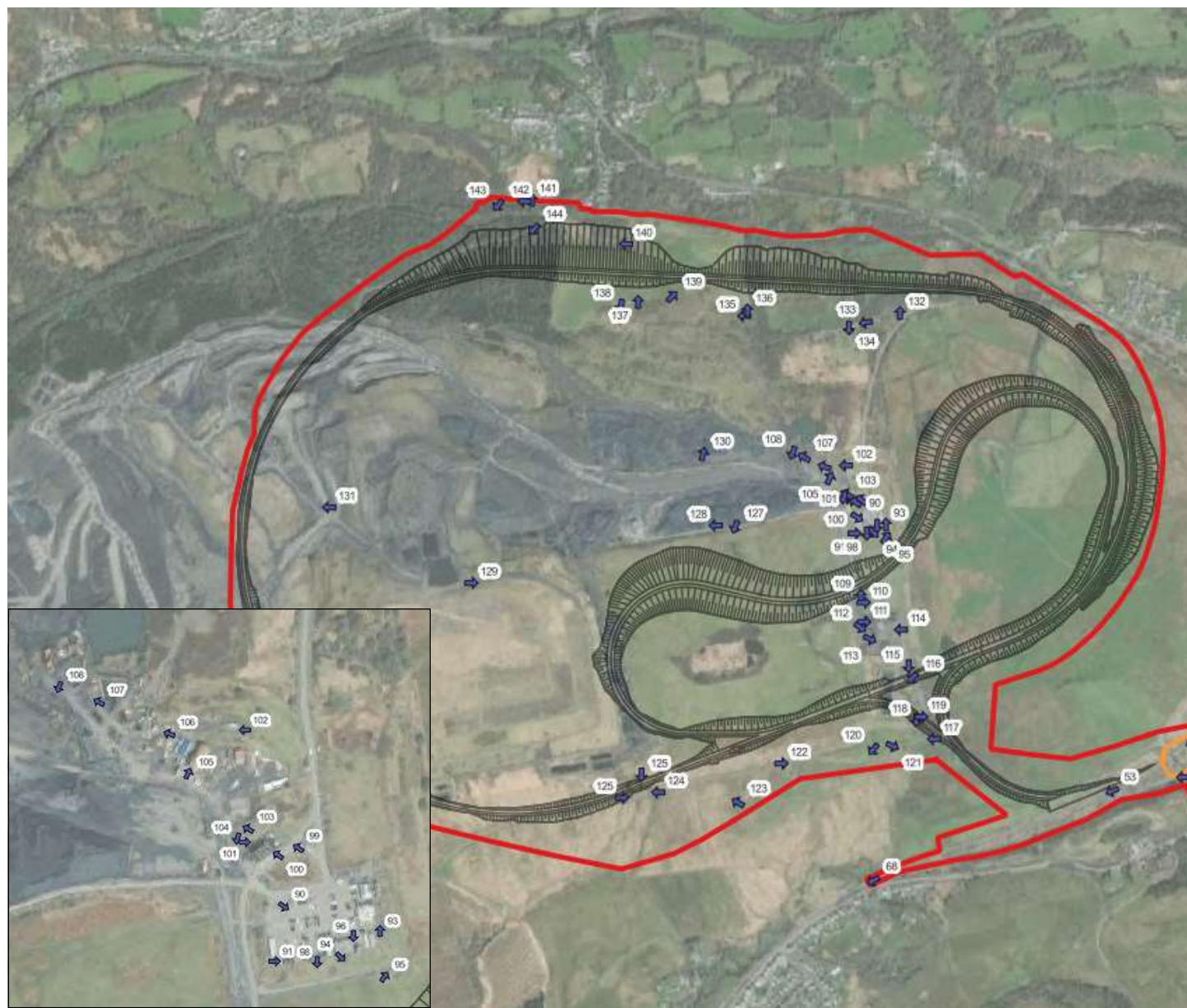
## H.2. Contaminated Land

**Client Name: Global Centre of Rail Excellence**

**Site: GCRE (Main Site)**

**Project No. 5209796**

**Photograph Location Plan**



**Symbols**



Site boundary



Photograph number, location and aspect

Scale is not applicable

**Direction**



NB: Please refer to walkover drawings for building ID and polygonised land use occurring at location.