

# Chapter 13

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Figure 13.1 Surface Water Features

Figure 13.2 Outline Drainage Design

Figure 13.3 Groundwater Abstraction locations

Figure 13.4 Dunachton Burn

Figure 13.5 Allt An Fhearna

Figure 13.6 Unnamed Watercourse at Meadowside



# Chapter 13

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Figure 13.1 Surface Water Features

Figure 13.2 Outline Drainage Design

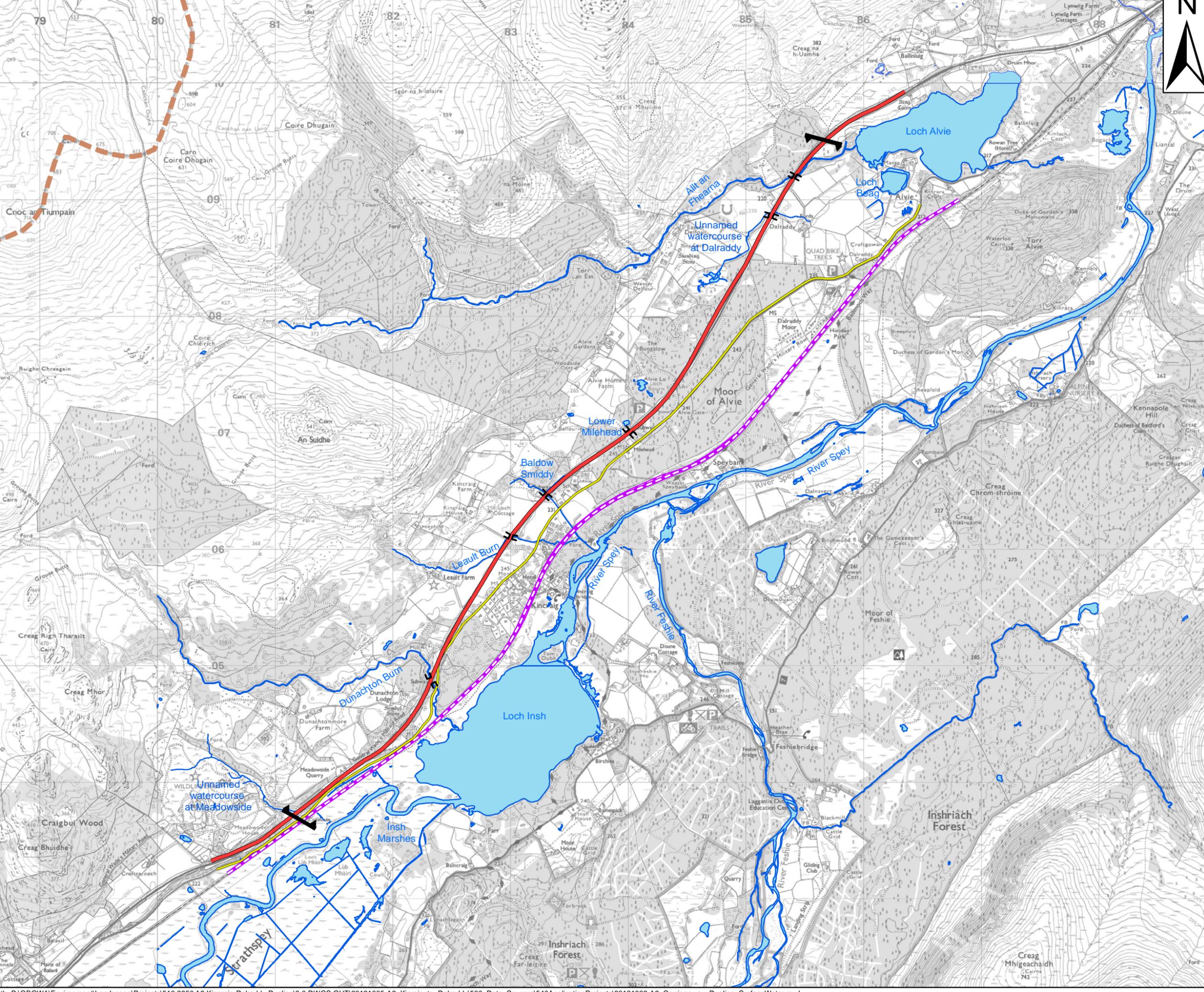
Figure 13.3 Groundwater Abstraction locations

Figure 13.4 Dunachton Burn

Figure 13.5 Allt An Fhearna

Figure 13.6 Unnamed Watercourse at Meadowside

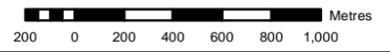




**LEGEND**

-  Northern / Southern Extent of Scheme
-  Existing A9
-  B9152
-  Railway
-  Cairngorms National Park Authority Boundary
-  Surface water feature
-  Culvert

**NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK**



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**A9**  
DUALLING  
PERTH TO INVERNESS  
Kincairdie to Dalraddy

Figure 13.1  
**SURFACE WATER FEATURES**

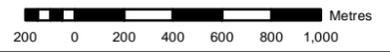
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		Date 02/10/13	Date 02/10/13	Date 02/10/13
Drawing Number 5109850_WAT_001				Rev 05



**LEGEND**

-  Northern / Southern Extent of Scheme
-  Cairngorms National Park Authority Boundary
-  Network 1
-  Network 2
-  Network 3
-  Network 4
-  Network 5
-  Network 6
-  Outfalls

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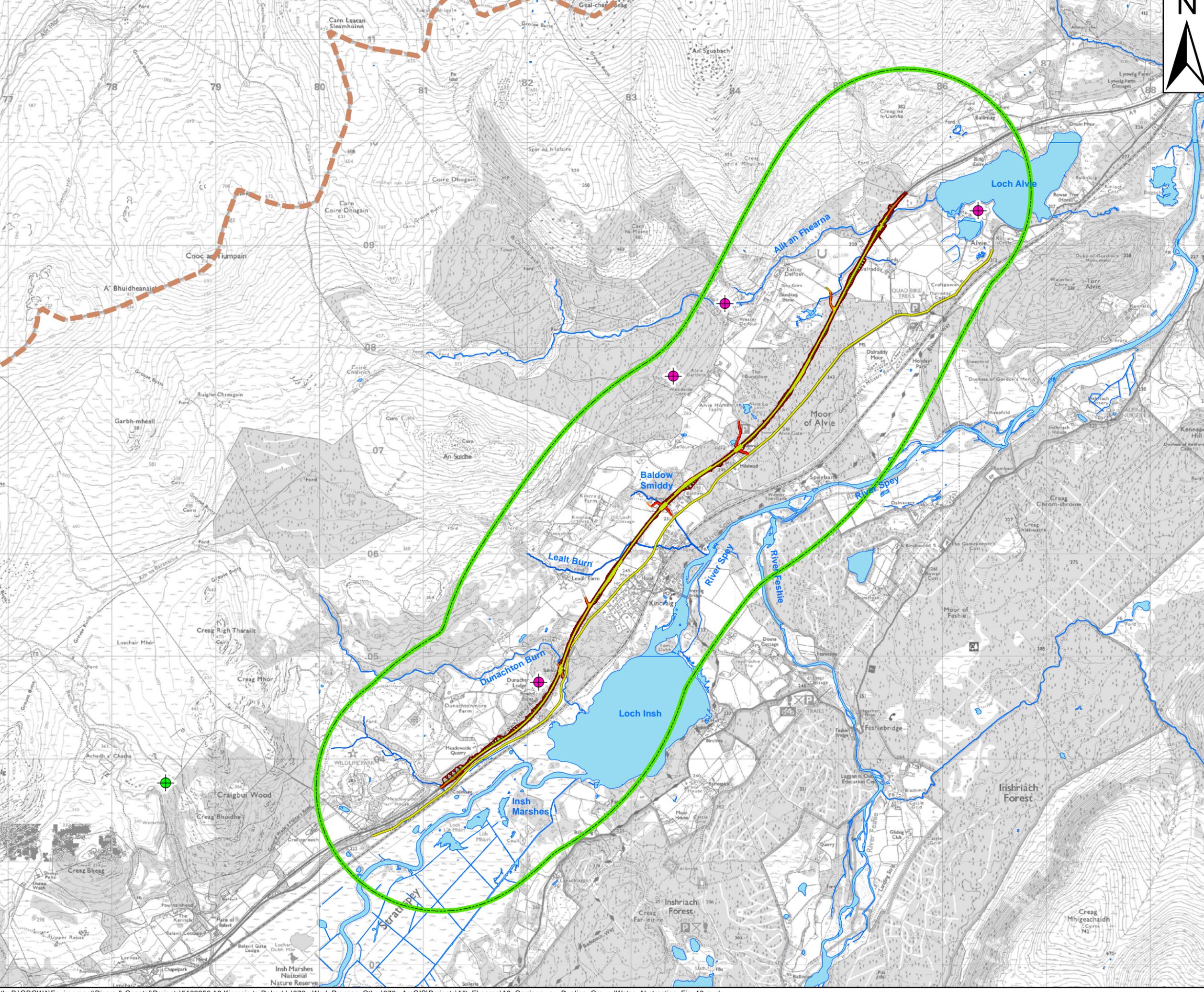
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**FIGURE 13.2  
OUTLINE DRAINAGE DESIGN**

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		Date 21/05/13	Date 21/05/13	Date 21/05/13
Drawing Number 5109850_WAT_002				Rev <b>01</b>



### LEGEND

- Groundwater Abstractions (Outside 1200m)
- Groundwater Abstractions (within 1200m)
- 1200m Buffer Zone
- Existing A9
- B9152
- Proposed New Embankment Works
- Cairngorms National Park Authority Boundary

**NB: STUDY AREA LIES WITHIN CAIRNGORMS NATIONAL PARK**

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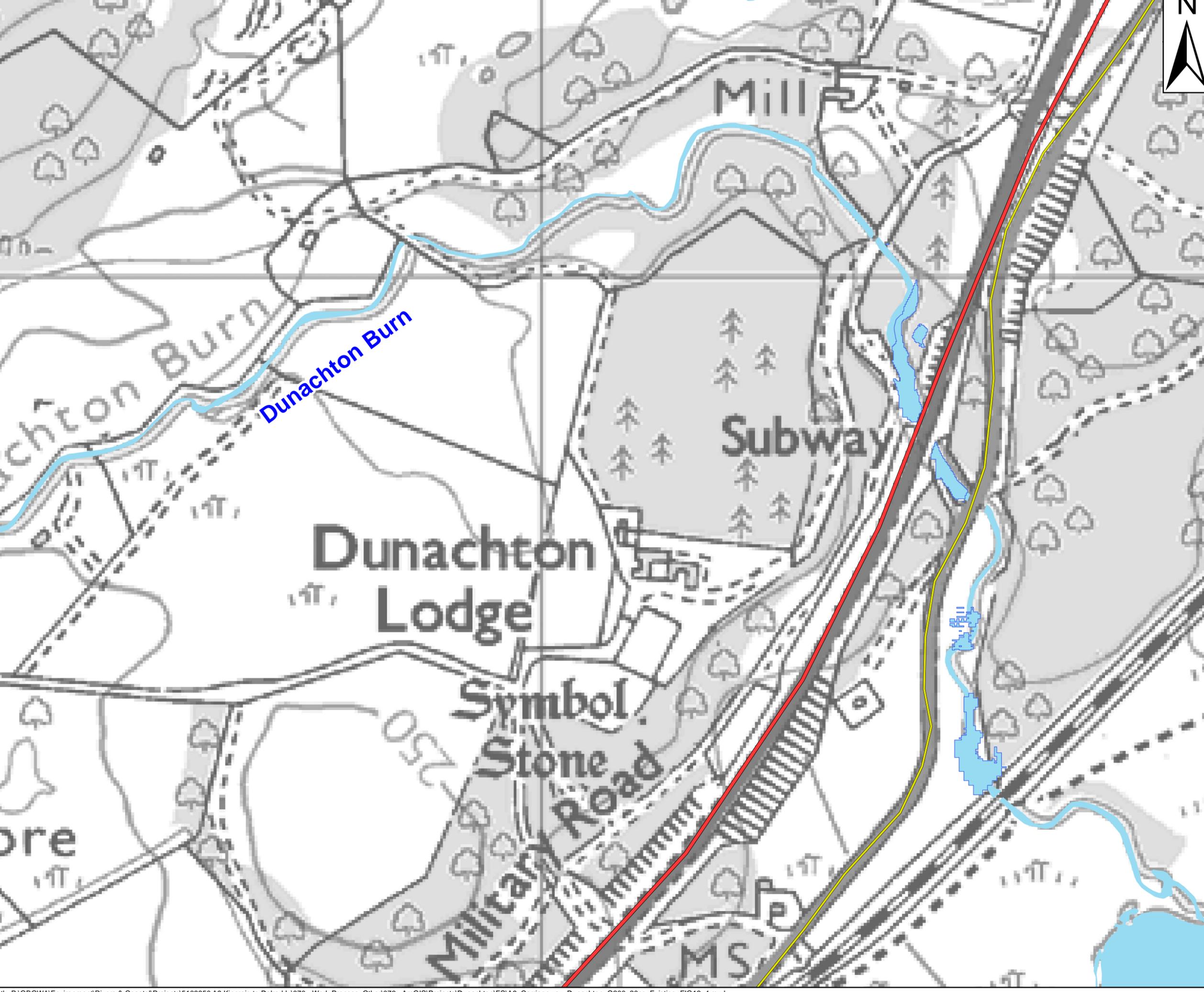
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**A9 DUALING**  
PERTH TO INVERNESS  
Kinrairg to Dalraddy

Title

**FIGURE 13.3  
GROUNDWATER ABSTRACTION  
LOCATIONS**

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		Date 14/10/13	Date 14/10/13	Date 14/10/13
Drawing Number	5109850_WAT_FIG_13_3			Rev <b>01</b>



**LEGEND**

-  0.5% AEP (with 20% increase in flow as allowance for climate change)
-  Existing A9
-  B9152
-  Surface water feature



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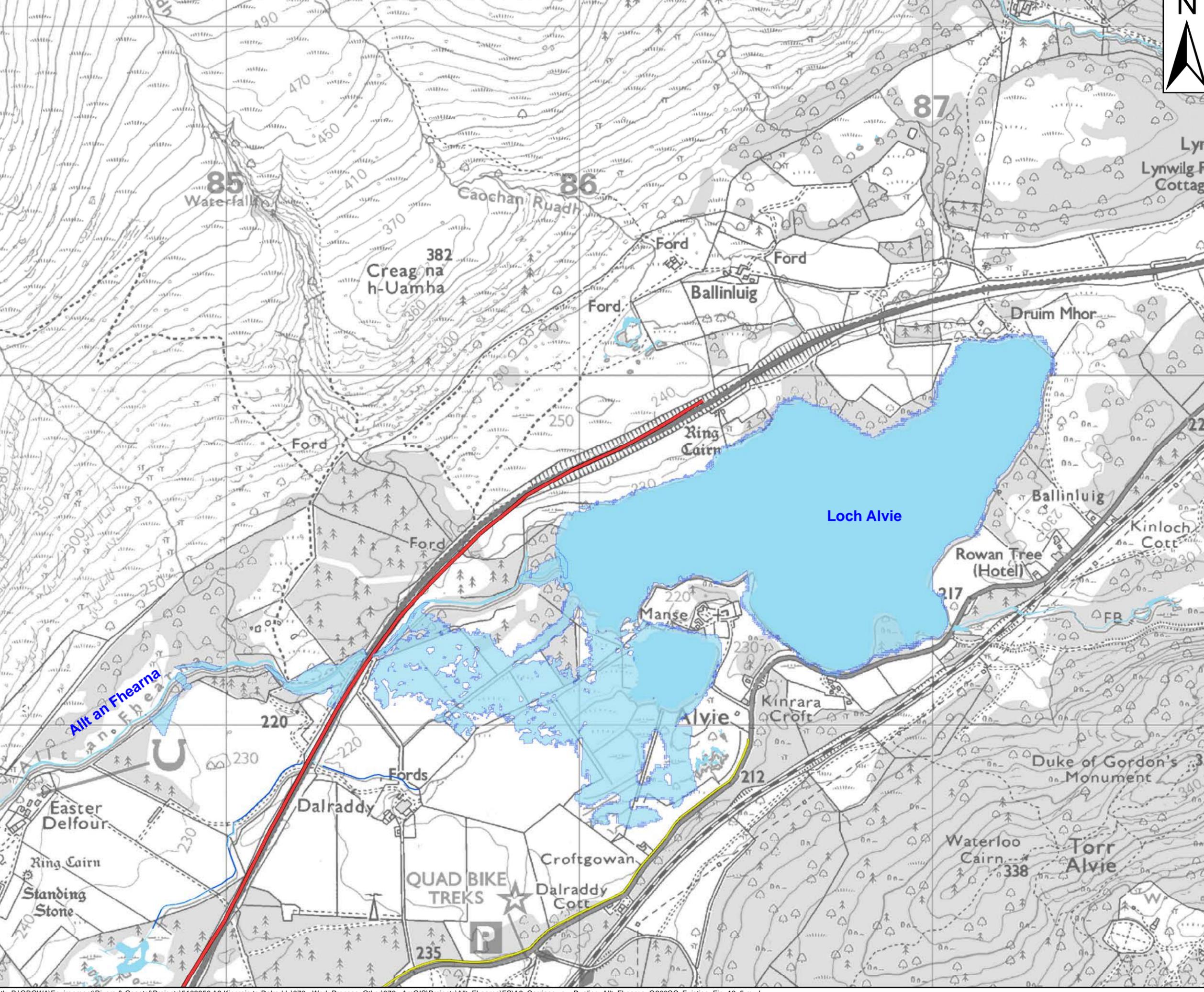


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**FIGURE 13.4**  
0.5% AEP (with 20% increase for CC) Flood Outline,  
Dunachton Burn, Existing Scenario

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Drawing Number	5109850_WAT_FIG13.4	Rev	01
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- LEGEND**
- 0.5% AEP (with 20% increase in flow as allowance for climate change)
  - Existing A9
  - B9152
  - Surface water feature

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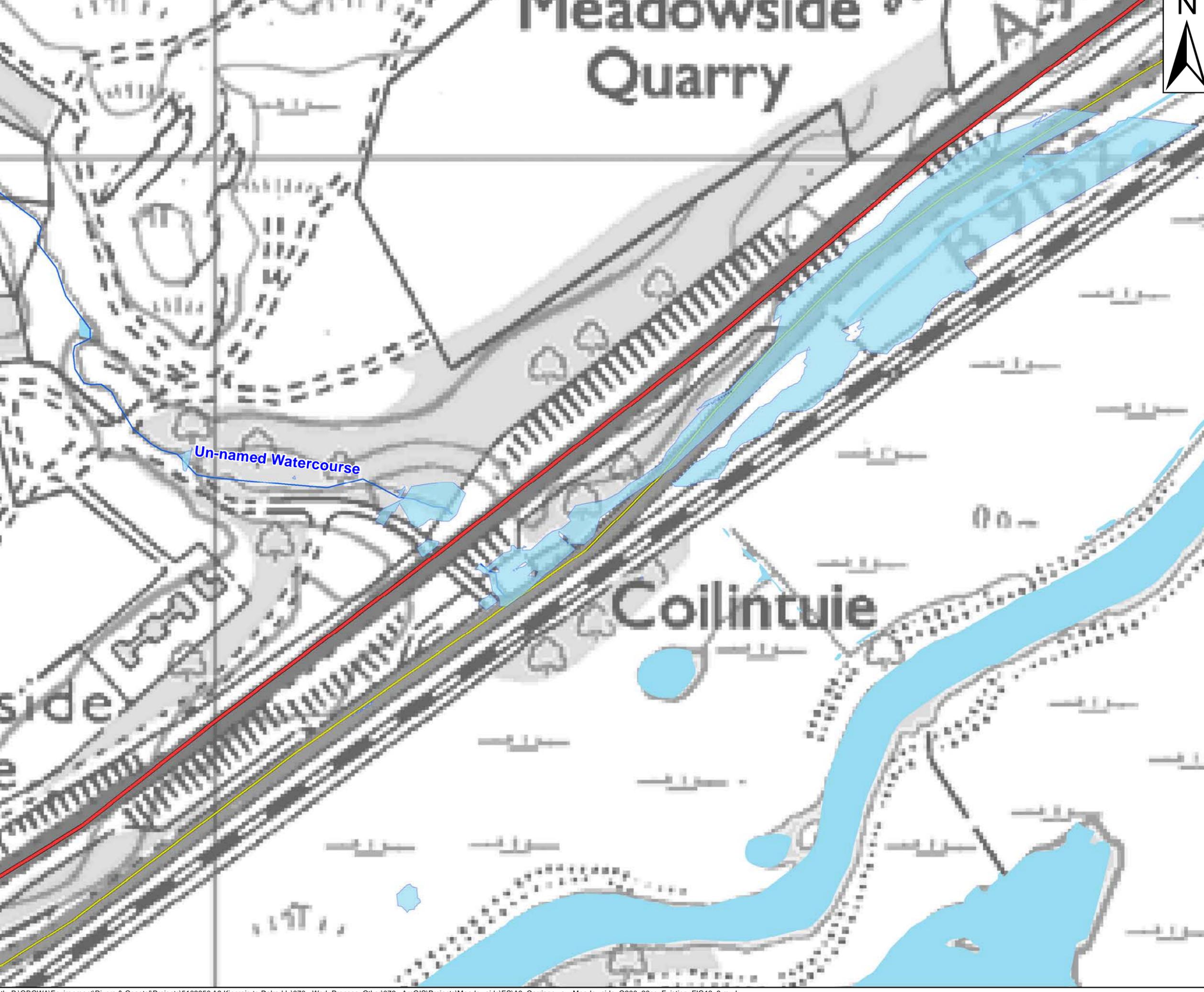
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Title  
**FIGURE 13.5**  
 0.5% AEP (with 20% increase for CC) Flood Outline  
 Allt an Fhearna, Existing Scenario

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	Date 12/10/13	Date 12/10/13	Date 12/10/13	
Drawing Number 5109850_WAT_FIG_13_5				Rev <b>01</b>



- LEGEND**
- 0.5% AEP (with 20% increase in flow as allowance for climate change)
  - Existing A9
  - B9152
  - Surface water feature

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**FIGURE 13.6**  
 0.5% AEP (with 20% increase for CC) Flood Outline,  
 Unnamed watercourse at Meadowside

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		Date 14/10/13	Date 14/10/13	Date 14/10/13

Drawing Number 5109850\_WAT\_FIG13.6

Rev **01**