

# Planned Upgrade to Ardersier Waste Water System



# Community Engagement

## Information Events

- 2pm to 6pm on Tuesday 28 June
- 2pm to 6pm on Wednesday 29 June
- 2pm to 6pm on Thursday 30 June
- 2pm to 6pm Monday 11 July
- 6pm to 9pm on Tuesday 12 July

[www.scottishwater.co.uk/ardersier](http://www.scottishwater.co.uk/ardersier)

**Weekly drop in events and dedicated point of contact**

**Engagement with community council, councillors, MSPs and MP**



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# Information Events

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- The nature of the existing waste water systems
- Options that were considered for accommodating growth
- Our proposals for upgrading the waste water treatment facilities
- Our work with Moray estates to build a new pipeline

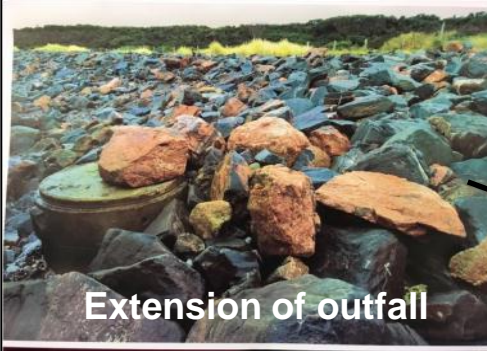
## We want to hear your views on:

- How we manage the extra traffic during the projects
- How we minimise the impact on the community during the work
- How we minimise the impact on the environment during the work
- How we make sure we leave all areas we are working in the same, or better, condition than before we started

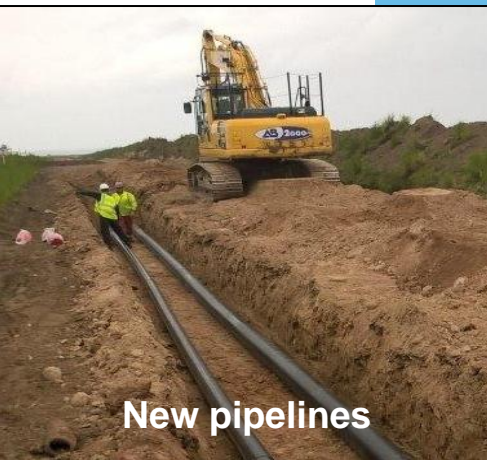
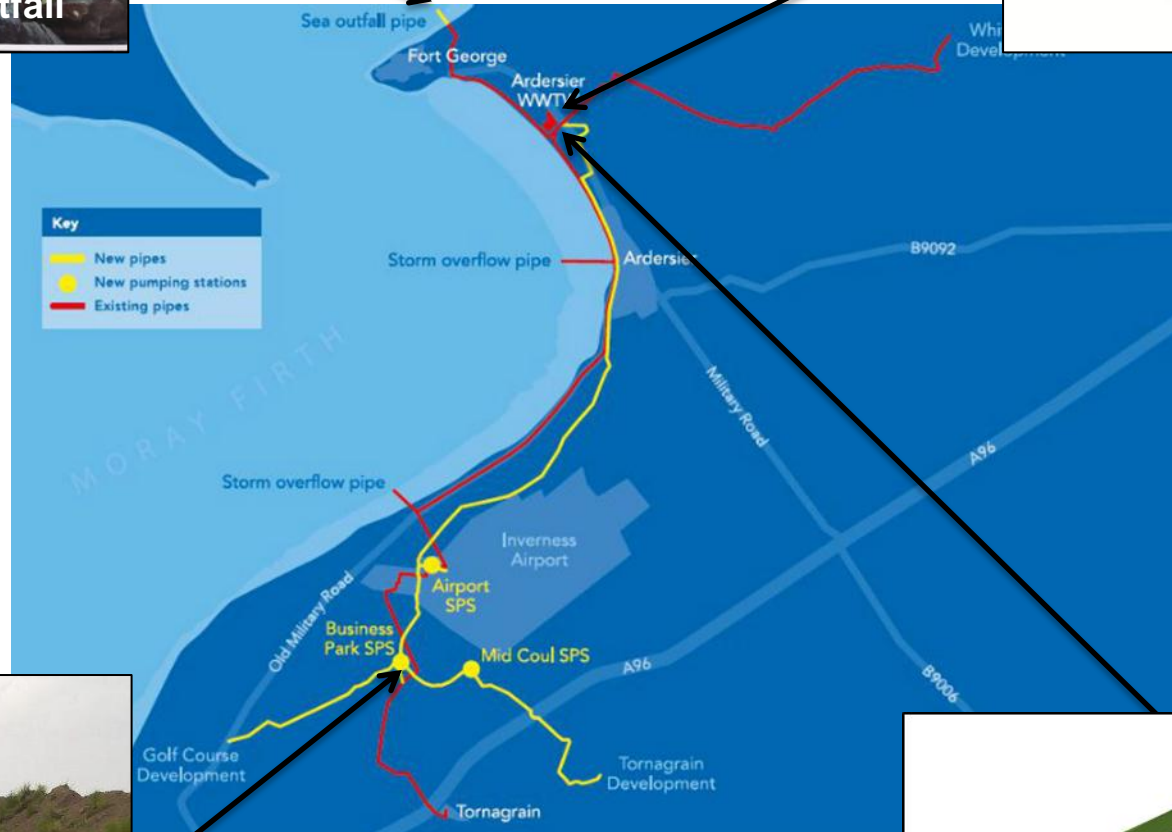


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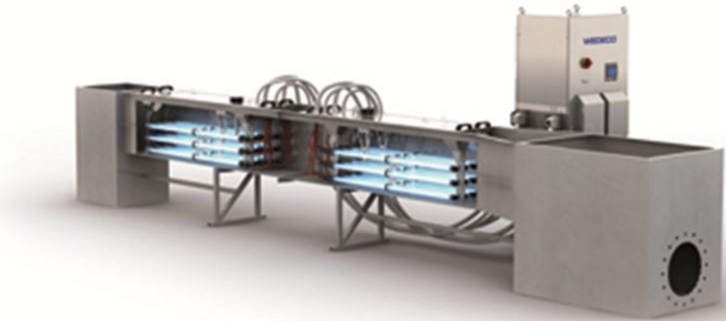
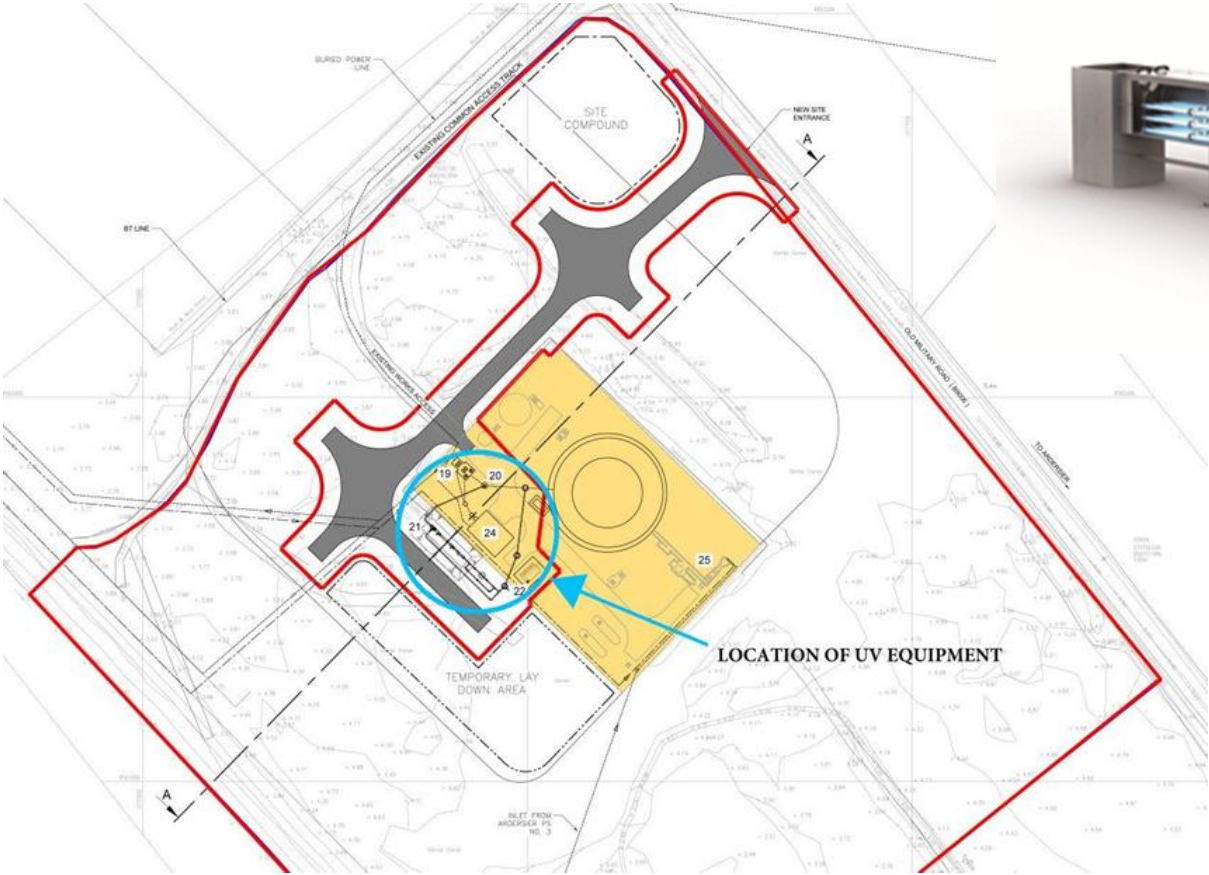


## UV installation at WWTW





Ultraviolet light is a disinfection process that will enhance the environment and help protect dolphins in the Moray Firth



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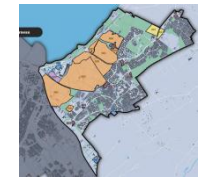
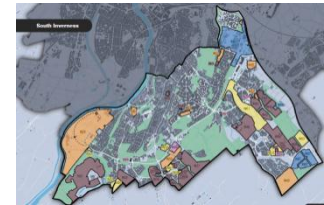
**Starts** - September 2016 and be completed by March 2017.



# Extension of the sea outfall pipe





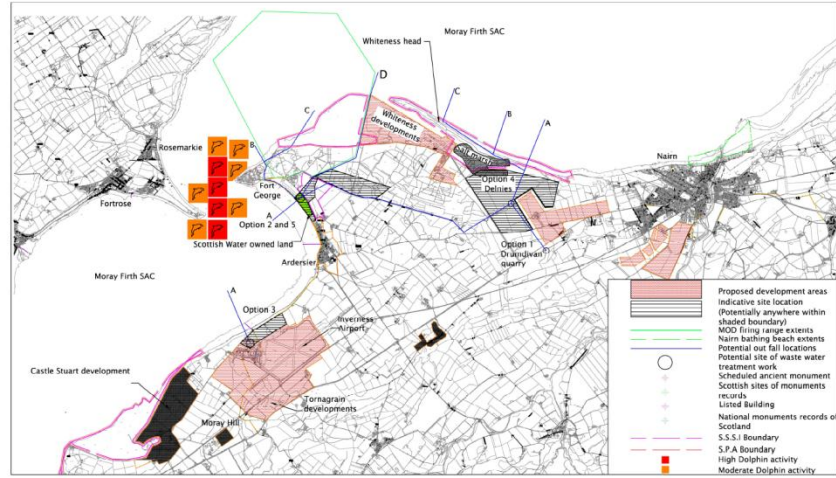


# Allanfearn Inverness & North Kessock Catchment



# Ardersier Catchment

Figure 6.1: Options for location of a new WwTW, including possible discharge locations.



## 6.2.2 Sites for a new WwTW

A short list of potential sites for a new WwTW was drawn up from an assessment of the local region and land-use.

Consultation was undertaken with key stakeholders (SEPA, SNH and The Highland Council Planning and Archaeology units) to determine what the main constraining issues would be for each site and the short list of options was refined accordingly.

The shortlisted sites for further discussion were as follows:

- Option 1: Blackcastle / Drumdivan Quarry
- Option 2: Existing Ardersier WwTW or immediate vicinity
- Option 3: Inverness Airport Industrial Estate or Fisherton Area
- Option 4: Delnies Area – west of Naim and north of the B9092 road
- Option 5: Existing Ardersier WwTW or immediate vicinity with outfall locations for options 1 and 4

An overall layout drawing capturing all options is presented in Figure 6.1. Possible outfall locations were identified for each option.

Table 6.3: Option scoring results for meeting increased treatment capacity in the short term

| Success Criterion                             | Weighting S | Options                         |   |                                     |              |  |        |       |        |       |        |       |      |
|---|-------------|---------------------------------|---|-------------------------------------|--------------|--|--------|-------|--------|-------|--------|-------|------|
|   |             | 1                               |   | 2                                   |              | 3  |        | 4     |        | 5     |        |       |      |
|   |             | Blackcastle or Drumdivan Quarry | Existing Ardersier WwTW or immediate vicinity | Inverness Airport Industrial Estate | Delnies Area | Existing Ardersier WwTW or immediate vicinity with outfalls as per options 1 & 4 | Rating | Score | Rating | Score | Rating | Score |      |
| Ease of acquiring planning consent            | 5           | 4                               | 20  | 4                                   | 20           | 4  | 20     | 4     | 20     | 4     | 20     | 3     | 15   |
| Including environmental impact                | 3.5         | 3                               | 10.5  | 4                                   | 14           | 3  | 10.5   | 3     | 10.5   | 3     | 10.5   | 3     | 10.5 |
| Cost of Project                               | 4.5         | 3                               | 13.5  | 5                                   | 22.5         | 4  | 18     | 3     | 13.5   | 4     | 18     | 5     | 22.5 |
| Ease of land acquisition                      | 4           | 4                               | 16  | 2                                   | 8            | 3  | 12     | 4     | 16     | 2     | 8      | 3     | 12   |
| Community Stakeholder acceptance              | 4           | 3                               | 12  | 3                                   | 12           | 3  | 12     | 3     | 12     | 3     | 12     | 3     | 12   |
| Licenses Granted (Dolphin Issues) - SEPA/FEPA | 5           | 3                               | 15  | 3                                   | 15           | 3  | 15     | 3     | 15     | 3     | 15     | 3     | 15   |
| Ability to meet short term needs              | 4           | 2                               | 8   | 3                                   | 12           | 2  | 8      | 2     | 8      | 2     | 8      | 2     | 8    |
| <b>Total Score</b>                            |             |                                 | 83  |                                     | 91.5         |  | 83     |       | 83     |       | 83     |       | 74.5 |

Table 6.4: Option scoring results for meeting increased treatment capacity in the longer term

| Success Criterion   | Weighting | Options                         |   |                                     |              |  |        |       |        |       |        |
|---|-----------|---------------------------------|---|-------------------------------------|--------------|--|--------|-------|--------|-------|--------|
|   |           | 1                               |   | 2                                   |              | 3  |        | 4     |        | 5     |        |
|   |           | Blackcastle or Drumdivan Quarry | Existing Ardersier WwTW or immediate vicinity | Inverness Airport Industrial Estate | Delnies Area | Existing Ardersier WwTW or immediate vicinity with outfalls as per options 1 & 4 | Rating | Score | Rating | Score | Rating |
| Ease of acquiring planning consent including environmental impact | 5         | 4                               | 20  | 4                                   | 20           | 3  | 15     | 4     | 20     | 4     | 20     |
| Cost of Project   | 3.5       | 4                               | 14  | 5                                   | 17.5         | 4  | 14     | 4     | 14     | 4     | 14     |
| Ease of land acquisition  | 4.5       | 4                               | 18  | 5                                   | 22.5         | 4  | 18     | 4     | 18     | 5     | 22.5   |
| Community Stakeholder acceptance                                  | 4         | 3                               | 12  | 3                                   | 12           | 2  | 8      | 4     | 16     | 3     | 12     |
| Licenses Granted (Dolphin Issues) - SEPA/FEPA                     | 5         | 3                               | 15  | 3                                   | 15           | 3  | 15     | 3     | 15     | 3     | 15     |
| Ability to meet long term needs                                   | 4         | 4                               | 16  | 3                                   | 12           | 3  | 12     | 4     | 16     | 3     | 12     |
| <b>Total Score</b>  |           |                                 | 95  |                                     | 99           |  | 82     |       | 92     |       | 86.5   |

## Planning EIA Assessment

# Nairn Catchment



# Supporting Development Scottish



The Highland Council  
Comhairle nan Gàidhealtachd

Inner Moray Firth

Proposed Local  
Development Plan

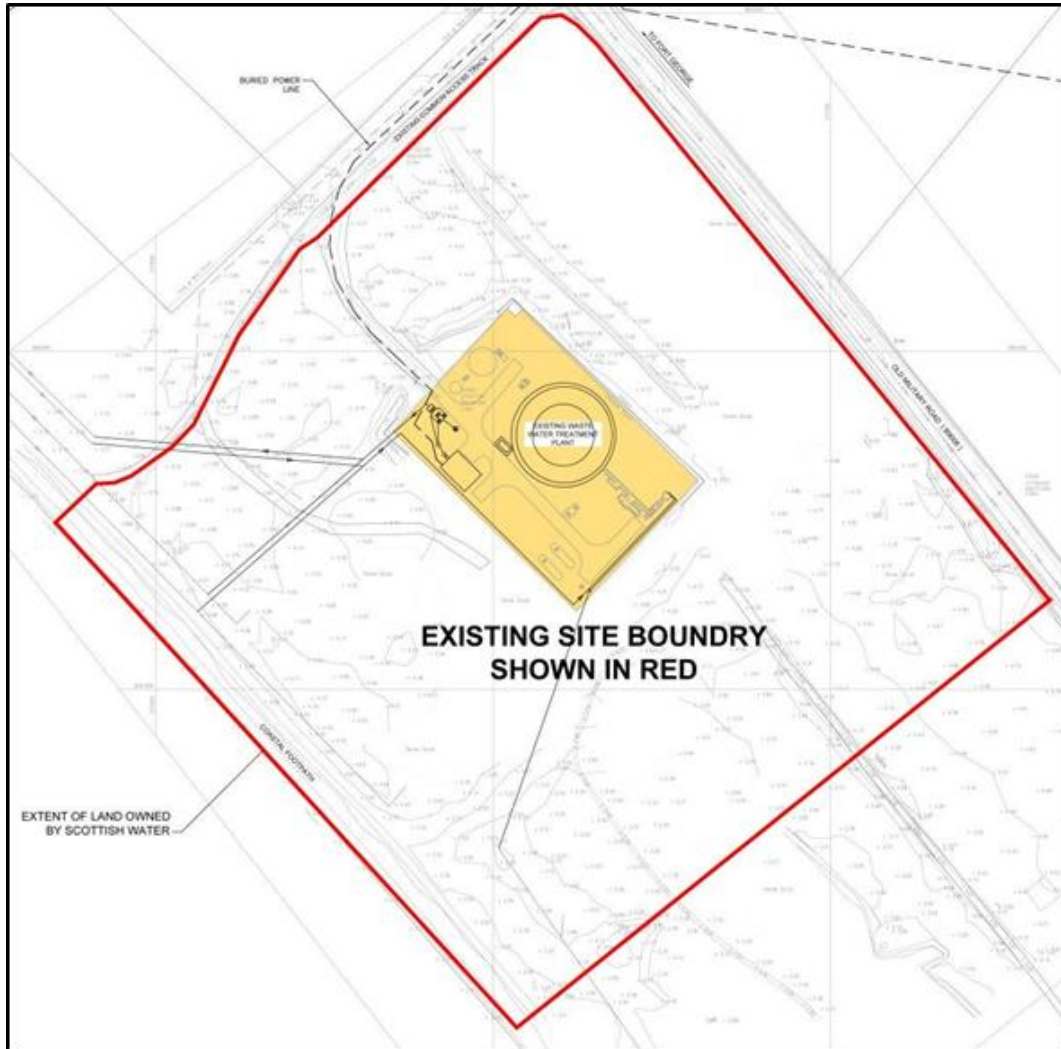
November 2013



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**Key**

- New pipes
- New pumping stations
- Existing pipes

Sea outfall pipe

Fort George

Ardersier WWTW

Whiteness Development

Storm overflow pipe

Ardersier

B9092

MORAY FIRTH

Storm overflow pipe

Military Road

A96

Inverness Airport

Airport SPS

Business Park SPS

Mid Coul SPS

A96

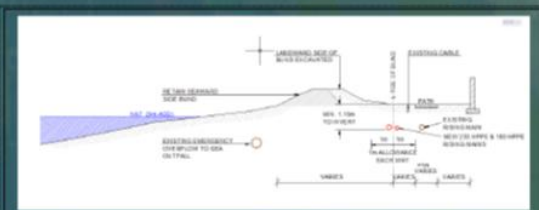
B9006

Golf Course Development

Tornagrain Development

Tornagrain





Typical Section Through Bund

|        |                                  |
|--------|----------------------------------|
| A to B | Mid July 2016 to end of Oct 2016 |
| B to C | End Oct 2016 to end Jan 2017     |



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## What happens next ?

- We will consider all the feedback received
- We will write to you to provide further updates
- We will keep our website updated: [www.scottishwater.co.uk/ardersier](http://www.scottishwater.co.uk/ardersier)
- Dedicated point of contact and weekly drop in events
- We will discuss the work with community council, councillors, MSPs and MP
- We will hold further information events and are happy to attend future community council meetings and meet stakeholders



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# Questions

