# Source-Pathway-Receptor table
# Flood and Coastal Erosion Risk Management Strategy (2015-2018)

## Introduction

The source-pathway-receptor model is used to assess individual elements of the project likely to give rise to effects on the Natura 2000 sites. In using this method all potential effects are assessed to determine whether there is a pathway which could lead to an effect on Natura 2000 sites. If there is a source-pathway-receptor link for any potential effect then this effect is assessed for likely significant effects within the HRA. Where no source or pathway is present then these effects are screened out at this stage. All potential effects, no matter how small are identified and the assessed for their level of significance. Even if the potential effects are small and thought likely to be insignificant they must be assessed to confirm this is the case. Figure 1 below shows how the model works.

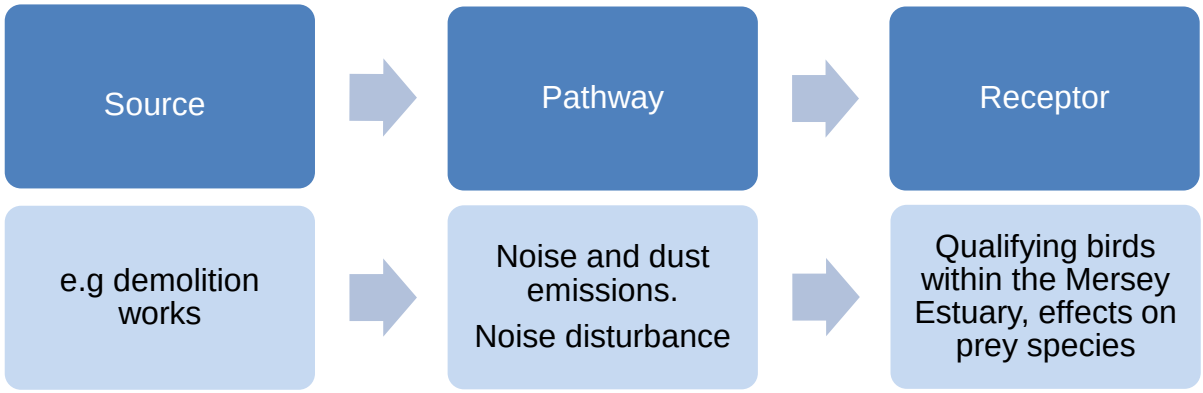


**Figure 1** – Source-Pathway-Receptor Model

## Results

The Flood and Coastal Erosion Risk Management Strategy has been assessed using the source-pathway-receptor model (Table 1). This found that there found that there will no likely significant effects as a result of the Strategy. There will be no requirement for the Strategy to progress to the next HRA stage. However, if there are any changes to the strategy, re-screening will be required.

## Conclusion

It is not possible at this higher-level plan stage to determine the scale and location of any works which may arise as a result of the Strategy. The Strategy proposes the development and implementation of plans and programmes and these will need to be subjected to their own HRA.

**Table 1: Source-Pathway-Receptor Model**

| Strategy Vision, Objectives and Activities | Source | Pathway | Receptor | Likely Significant Effects? |
|---|---|---|---|---|
| **Strategy Vision** | | | | |
| To improve the health and wellbeing of our communities through joint management of flood and coastal erosion risk | The strategy will assist in helping individuals, communities, businesses and authorities in managing flood risk. It does not promote works at any location within Sefton which may affect Natura 2000 sites. **No source** | **No pathway** | **No receptor** | **No likely significant effects** |
| **Strategy Objectives** | | | | |
| To present an overview of the risk in Sefton from flooding and coastal erosion | This objective seeks to raise awareness of flood risk management issues and does not promote works which may affect Natura 2000 sites. **No source** | **No pathway** | **No receptor** | **No likely significant effects** |
| To present an overview of the management of flood and coastal erosion in Sefton | This objective seeks to raise awareness of flood risk management issues | **No pathway** | **No receptor** | **No likely significant effects** |

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|---|---|---|---|---|
| | and does not promote any works which may affect Natura 2000 sites. **No source** | | | |
| To signpost readers to other relevant documents or agencies for more detailed information | This objective seeks to raise awareness of flood risk management issues and does not promote works which may affect Natura 2000 sites. **No source** | **No pathway** | **No receptor** | **No likely significant effects** |
| To comply with the legislation of the Flood and Water Management Act (2010) | Objective to comply with legislation will not promote or lead to works which may affect Natura 2000 sites. **No source** | **No pathway** | **No receptor** | **No likely significant effects** |
| To comply with the legislation of the Flood Risk Regulations (2009) | Objective to comply with legislation will not promote or lead to works which may affect Natura 2000 sites. **No source** | **No pathway** | **No receptor** | **No likely significant effects** |

| **Strategy Outcome - Understanding risk to our communities** | | | | |
|---|---|---|---|---|
| Identify and review flood and coastal erosion risk | None of the actions associated with this activity will lead to works which may affect Natura 2000 sites. **No source** | **No pathway** | **No receptor** | **No likely significant effects** |
| Develop plans that set out and prioritise our action based on our understanding of risk | Activity aims to develop and maintain a range of plans including a Shoreline Management Plan. These plans will need to be subject their own specific HRA. It is not possible to identify any potential effects at this higher level stage. **No source** | **No pathway** | **No receptor** | **No likely significant effects** |
| Inform the development of plans where flood and coastal erosion risk is a factor | The plans which will be informed, such as the Local Plan, have already been subject to, or will be subject to their own HRA. **No source** | **No pathway** | **No receptor** | **No likely significant effects** |
| Inspect and record our assets and where | None of the actions associated with this | **No pathway** | **No receptor** | **No likely significant effects** |

| | | | | |
|---|---|---|---|---|
| necessary 3rd party assets | activity will lead to works which may affect Natura 2000 sites. **No source** | | | |
| **Strategy Outcome - Avoiding increase of risk to our communities** | | | | |
| Work via the planning process | It is not possible at this stage to determine where any proposals would be located. However, each scheme which may affect Natura 2000 sites would be subjected to a HRA at the project level. **No source** | **No pathway** | **No receptor** | **No likely significant effects** |
| Administer powers in relation to consenting for ordinary watercourses, coast protection act and bylaws | It is not possible at this stage to determine where any proposals would be located. However, each scheme which may affect Natura 2000 sites would be subjected to a HRA at the project level. **No source** | **No pathway** | **No receptor** | **No likely significant effects** |

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| Advising 3rd parties of their maintenance responsibilities and where necessary intervene | It is not possible at this stage for the location of any riparian maintenance works to be determined. However, it is not anticipated that any such works will affect Natura 2000 sites. **No source** | **No pathway** | **No receptor** | **No likely significant effects** |
| **Strategy Outcome - Reducing risk to our communities** | | | | |
| Develop and implement a prioritised maintenance programme | It is not possible at this high-level plan stage to determine the scale and location of any maintenance works. Once completed the programme should be assessed for likely significant effects. However, impacts to Natura 2000 sites are not anticipated. **No source** | **No pathway** | **No receptor** | **No likely significant effects** |
| Develop a programme of improvement works | It is not possible at this high-level plan stage to determine | **No pathway** | **No receptor** | **No likely significant effects** |

| | | | | |
|---|---|---|---|---|
| | the scale and location of any improvement works. However, impacts to Natura 2000 sites are not anticipated. **No source** | | | |
| Undertake reactive maintenance | It is not possible at this high-level plan stage to determine the scale and location of any reactive maintenance works. However, impacts to Natura 2000 sites are not anticipated. **No source** | **No pathway** | **No receptor** | **No likely significant effects** |
| **Strategy Outcome - Reducing consequences to our communities** | | | | |
| Work in partnership with our communities to increase their resilience | None of the actions associated with this activity will lead to works which may affect Natura 2000 sites. **No source** | **No pathway** | **No receptor** | **No likely significant effects** |
| Develop and implement plans for Council actions in the event of flooding occurring | None of the actions associated with this activity will lead to works which may | **No pathway** | **No receptor** | **No likely significant effects** |

| | | | | |
|---|---|---|---|---|
| | affect Natura 2000 sites. **No source** | | | |