# Licence Application for East Tip, Haulbowline Island

Project Update
24/02/2012

# *Presentation Outline*

1. Project Overview (Milestones)
2. Repair of Sea Breach
3. Visit of EC Delegation
4. Update on Phases I - III
5. Update on Phases IV & V
6. Project Timelines
7. Project Expenditure

# *1. Project Overview (Milestones)*

- 28th October – Meeting of Technical Working Group, County Hall.
- 2nd November – Information dissemination seminar in Naval Dockyard.
- 9th November – Deadline for framework Pre-Qualification Questionnaires.
- 11th November – Report under Article 2(3) of EIA Directive finalised.
- 21st November – Repair works to sea breaches (2 no.) completed.
- 23rd November – EU delegation and NGOs visit site.
- 25th November – An Taoiseach visits site.
- 12th December – Deadline for submission of framework tenders.

# *1. Project Overview (Milestones) contd.*

- 19th December – Minister Coveney interviewed by RTÉ on East Tip. Interview aired 3rd January 2012.
- 19th December – Cork County Council factual report finalised (29 no. reports reviewed).
- 20th December – Geophysical Survey Report finalised.
- 21st December – Successful and unsuccessful applicants to framework notified (10th January 2012 – end of standstill period).
- 17th January - SKM appointed as the single-operator under the framework agreement.
- 24th January - Arup, Mott MacDonald, RPS, Verdé and WYG appointed as operators under the Lot 2 framework agreement.
- 7th February – contract signed with WYG EPT to undertake dQRA.

# 2. Repair of Sea Breach

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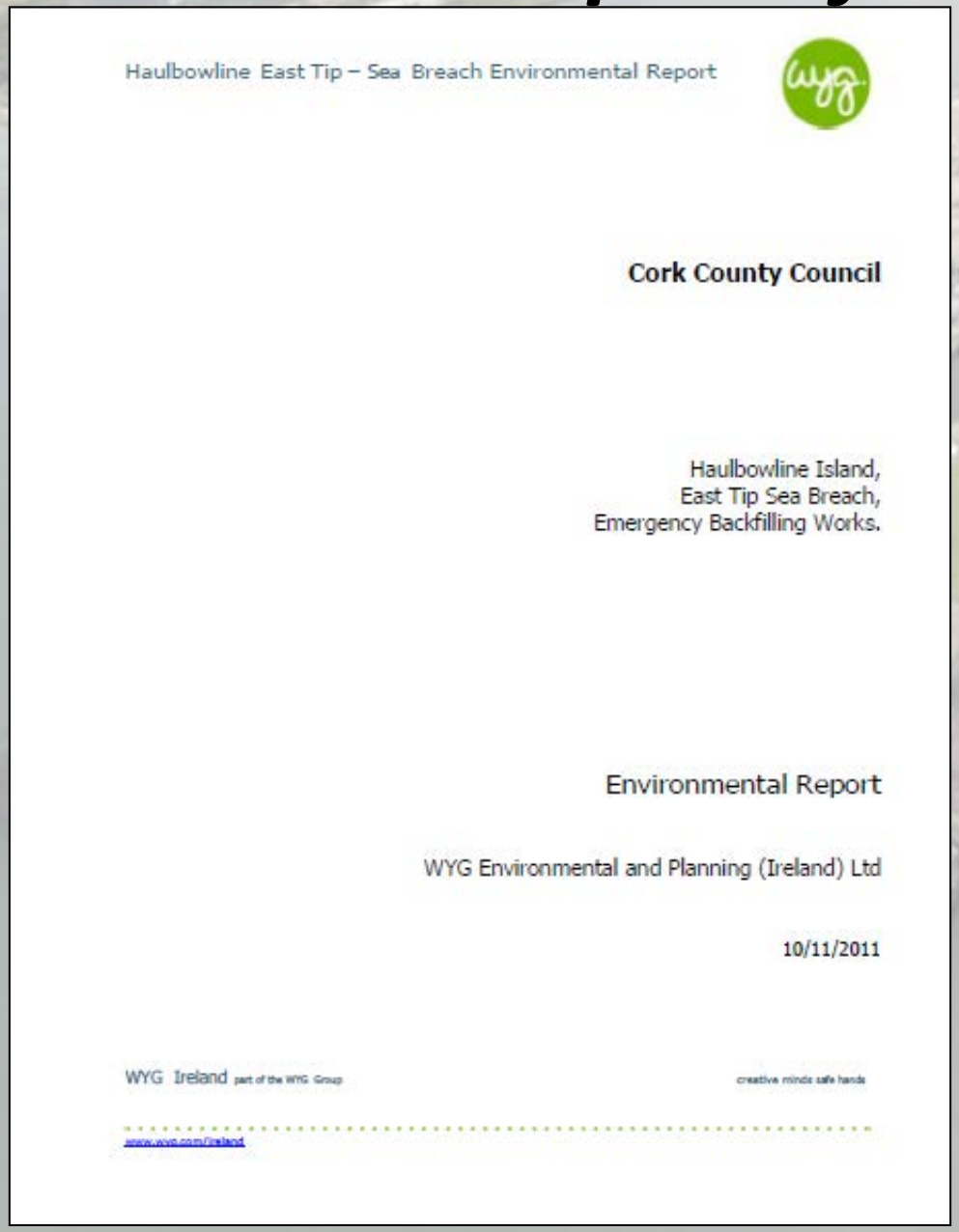

Haulbowline East Tip – Sea Breach Environmental Report

Cork County Council

Haulbowline Island,
East Tip Sea Breach,
Emergency Backfilling Works.

Environmental Report

WYG Environmental and Planning (Ireland) Ltd

10/11/2011

WYG Ireland part of the WYG Group

creative minds safe hands

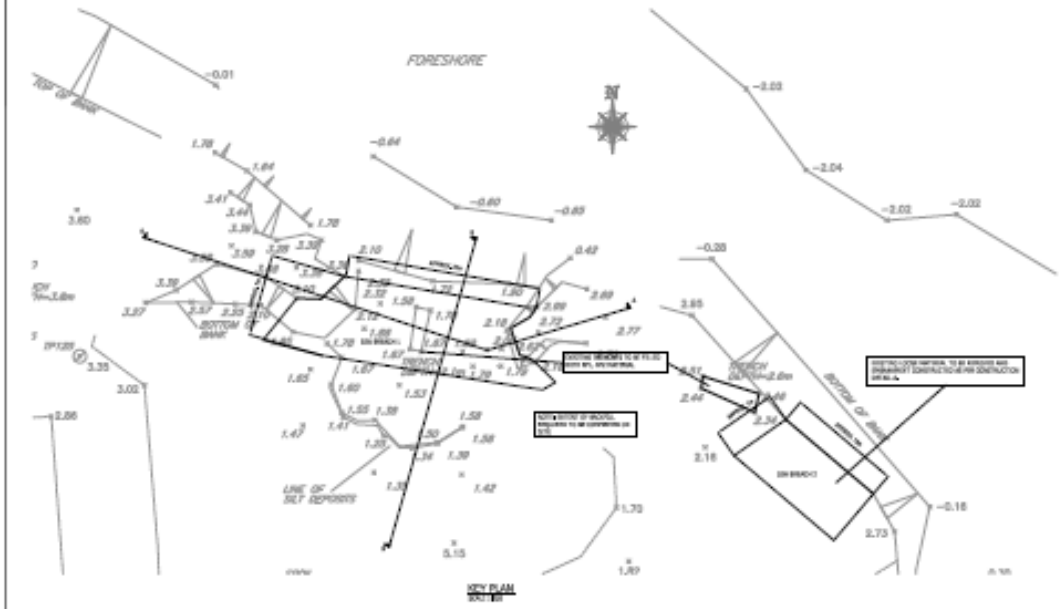
www.wyg.com/ireland

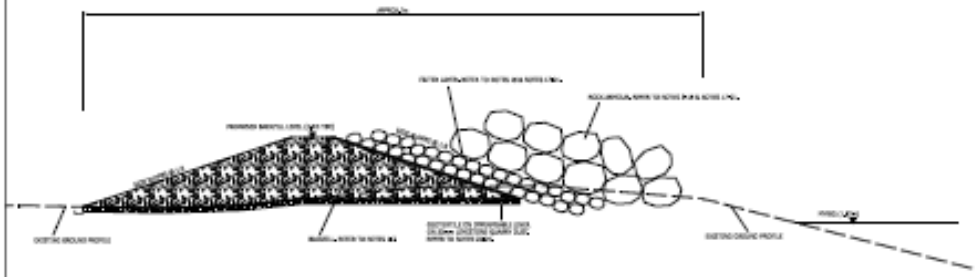
**Conclusions**

The proposed sea breach emergency works will break the linkage between the sea water and the excavations on the East tip and eliminate any potential of contamination to the local environment occurring due to this linkage.

In terms of the work being an 'exceptional case' under Article 2(3) the failure to progress these works is likely to present the risk of contamination of surface water though periodic flooding of the East Tip during high tide and/or storm events.

# 2. Repair of Sea Breach




DETAIL A TYPICAL REVETMENT SECTION

DETAIL B: BLOW UP OF GEOTEXTILE & MEMBRANE DETAILS



CORK COUNTY COUNCIL

HAULBOWLINE EAST TIP

REPAIR OF SEA BREACH AREAS

REPAIR OF SEA BREACH AREAS

C008136 | 1117 | WA | 100 | T1

# 2. Repair of Sea Breach

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# *3. Visit of EC Delegation*

1. 23rd November 2011 progress inspection by EC Delegation (Jean-François Brakeland, Head of Unit, DG Environment and Antoinette Long)

2. Visit hosted by Cork County Council and facilitated by the

3. Also present were Mary O'Leary (CHASE) and Tony Lowes (FOIE)

4. Presentation followed by site walkover and inspection of repair works

5. DoEHLG update

# *4. Update on Phases I – III*

*as presented on 19/08/2011*

**Phase I: Desk Study and Conceptual Site Model**

- Review all historical reports pertaining to the site and collate all relevant data
- Prepare CSM
- Initiate contact with EPA
- Formulate potential design solutions
- Scope site investigations and structure of licence application
- Project planning (i.e. Gantt Chart)
- Identify external consultancy services and contractors required
- Prepare tender documents

# *4. Update on Phases I – III*

*as presented on 19/08/2011*

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  - Factual Report – 2 Volumes
    - a consolidated report of the investigations and studies that have been carried out to date on the East Tip (29 no.).
    - a factual report and any observations or conclusions contained there-in do not represent the opinion of Cork County Council but are those of the authors of the respective primary source documents.
    - peer reviewed.

  - Geographical Information System (GIS)
    - graphical representation


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1897


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1973


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1973


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1974
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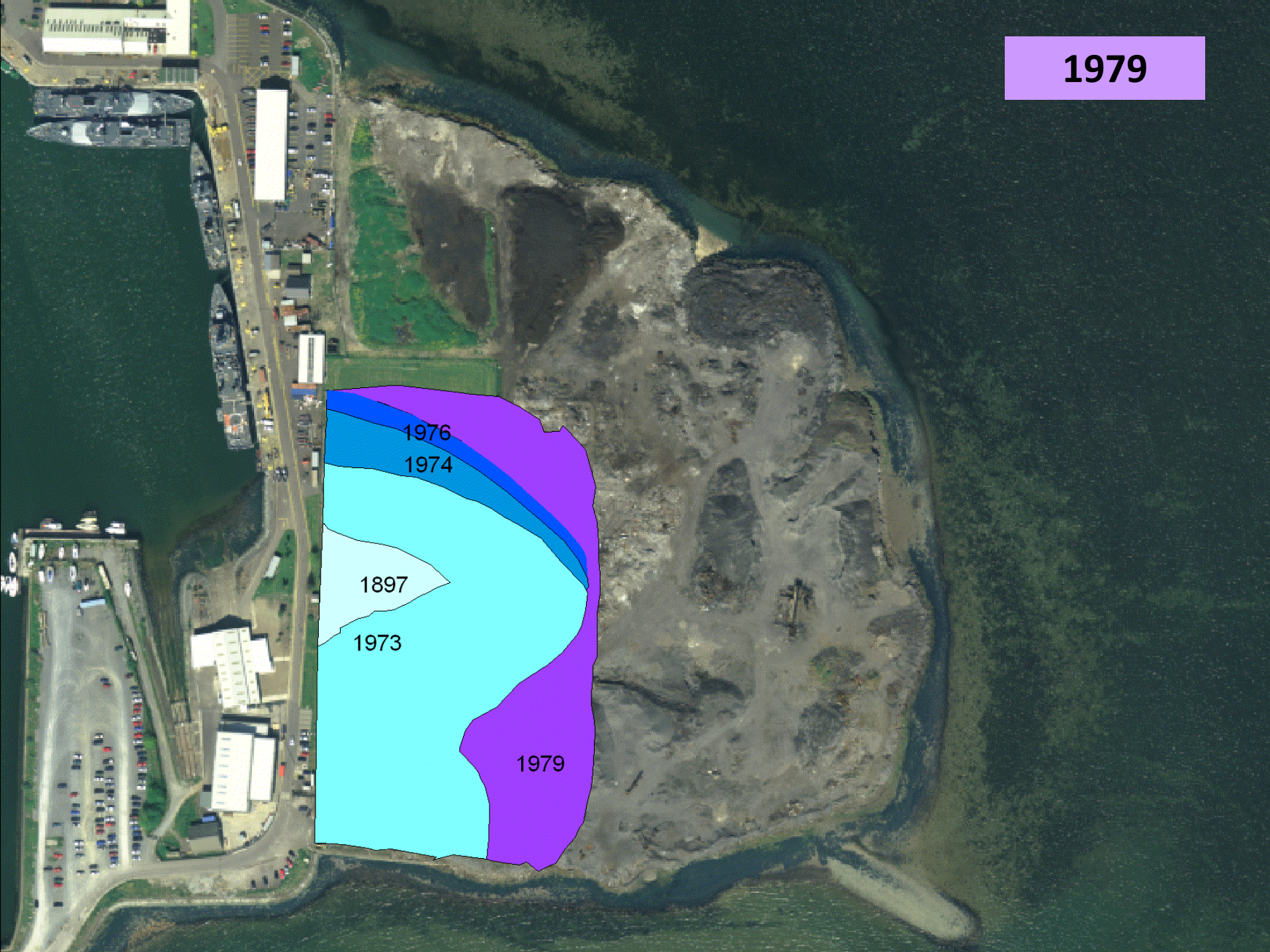
1973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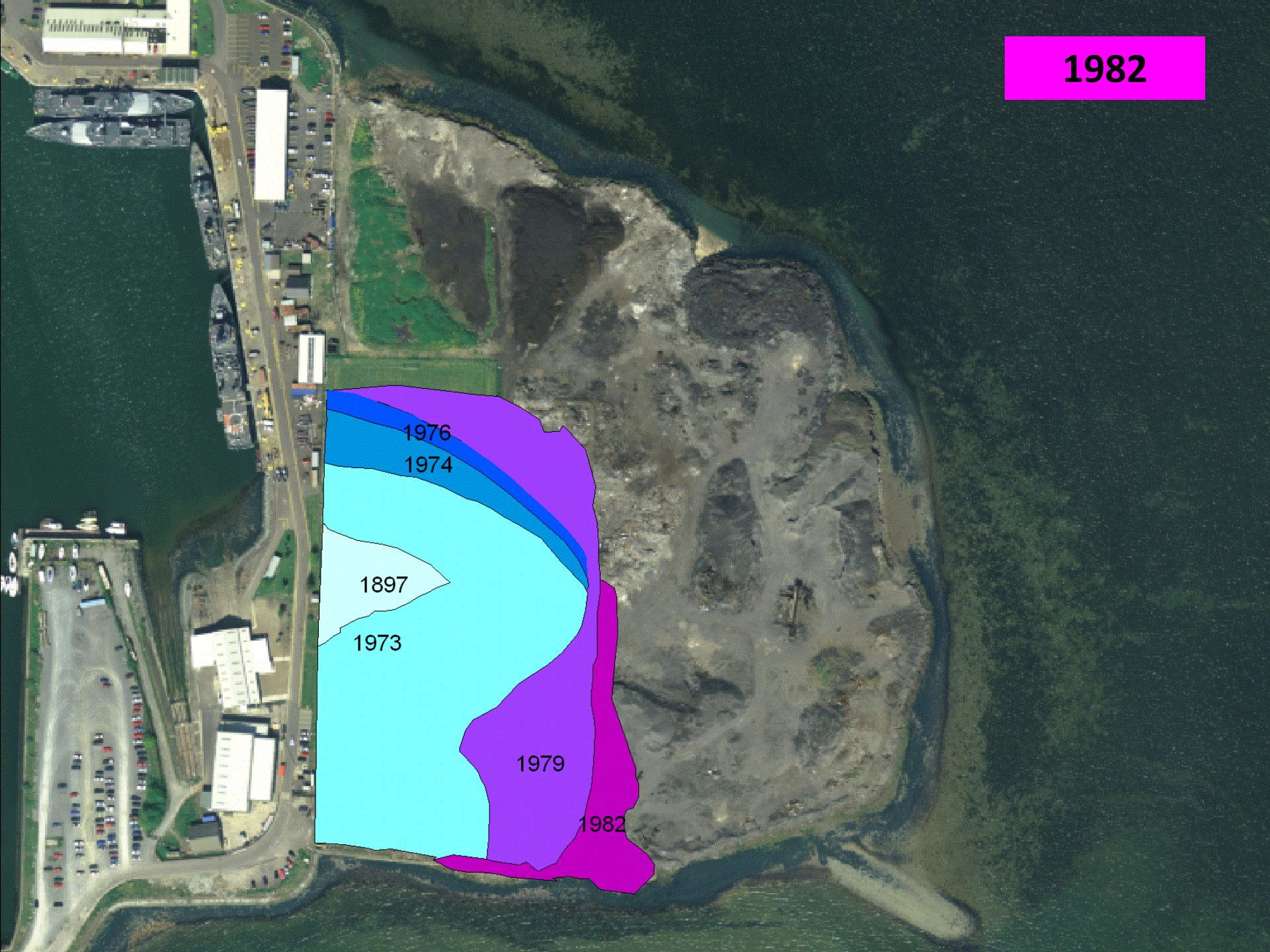
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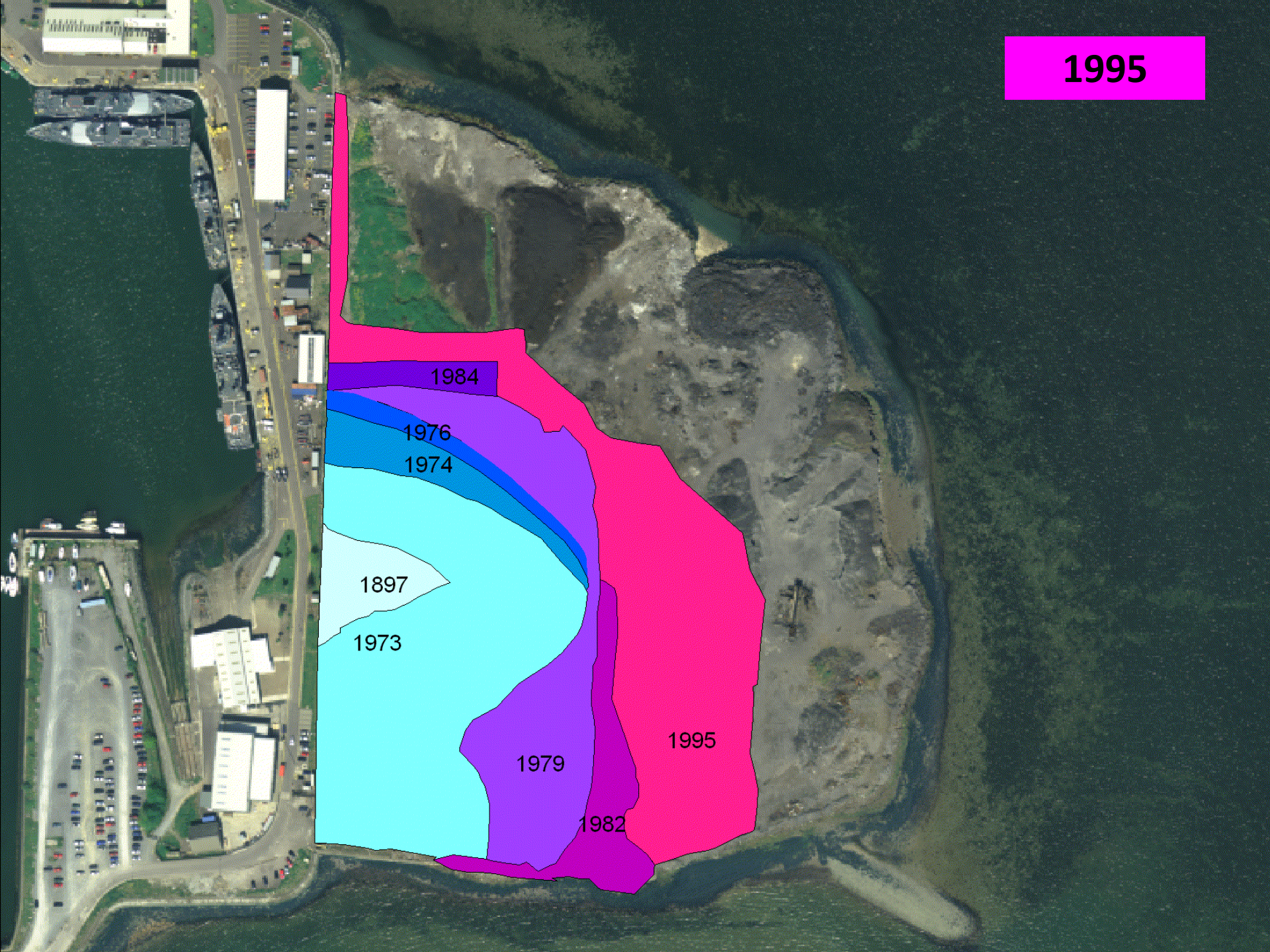
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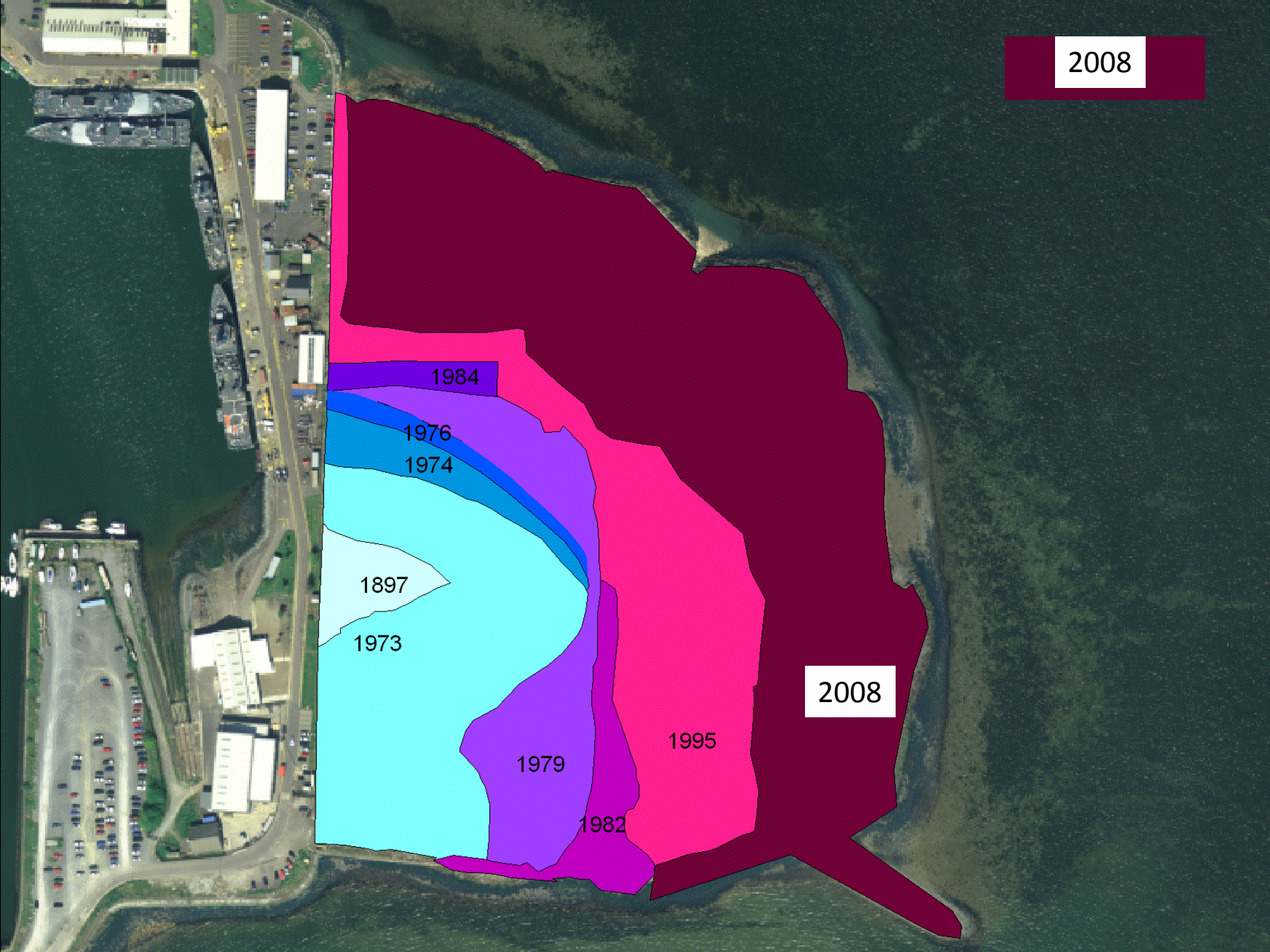
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1984
1976
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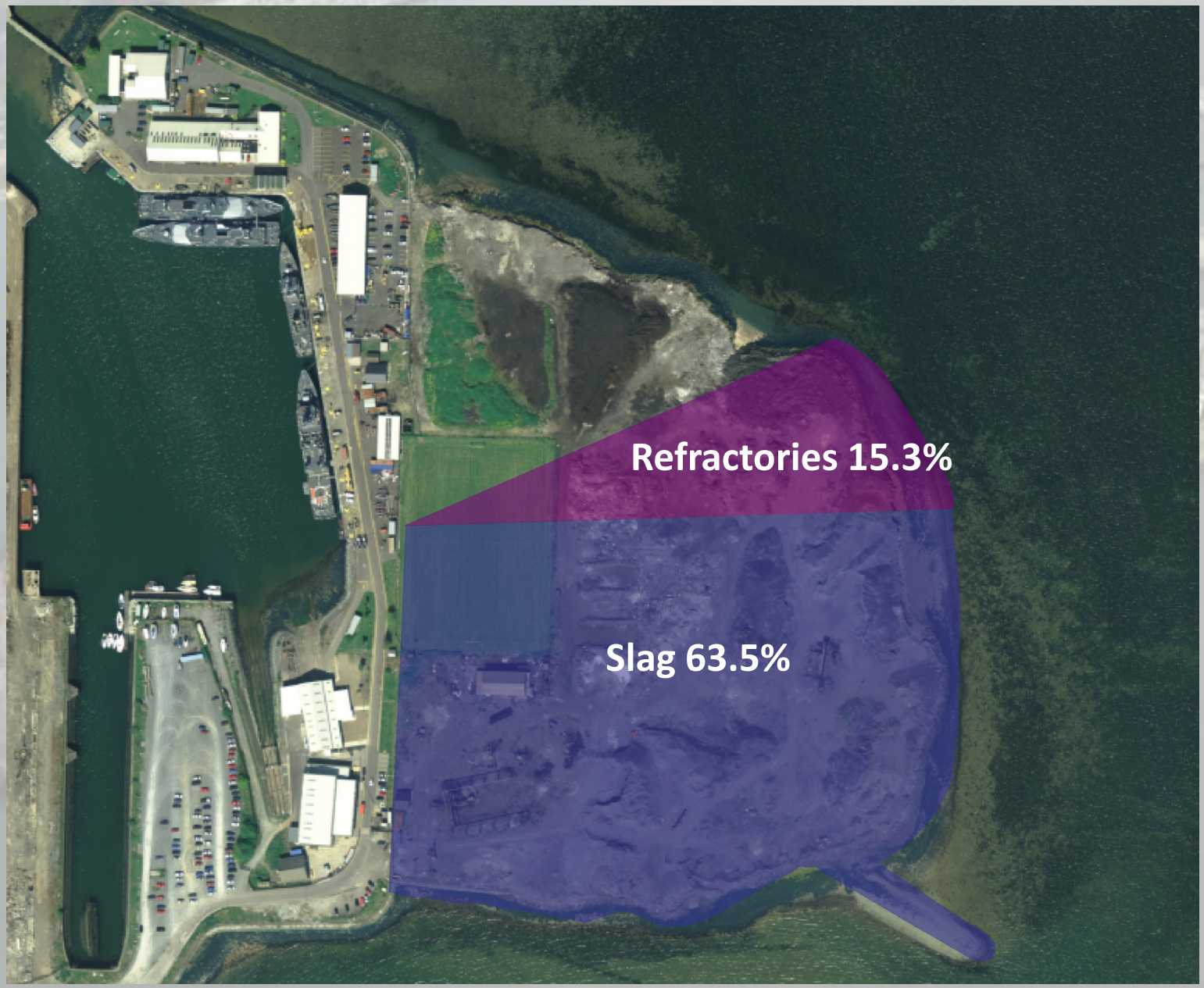
Slag 63.5%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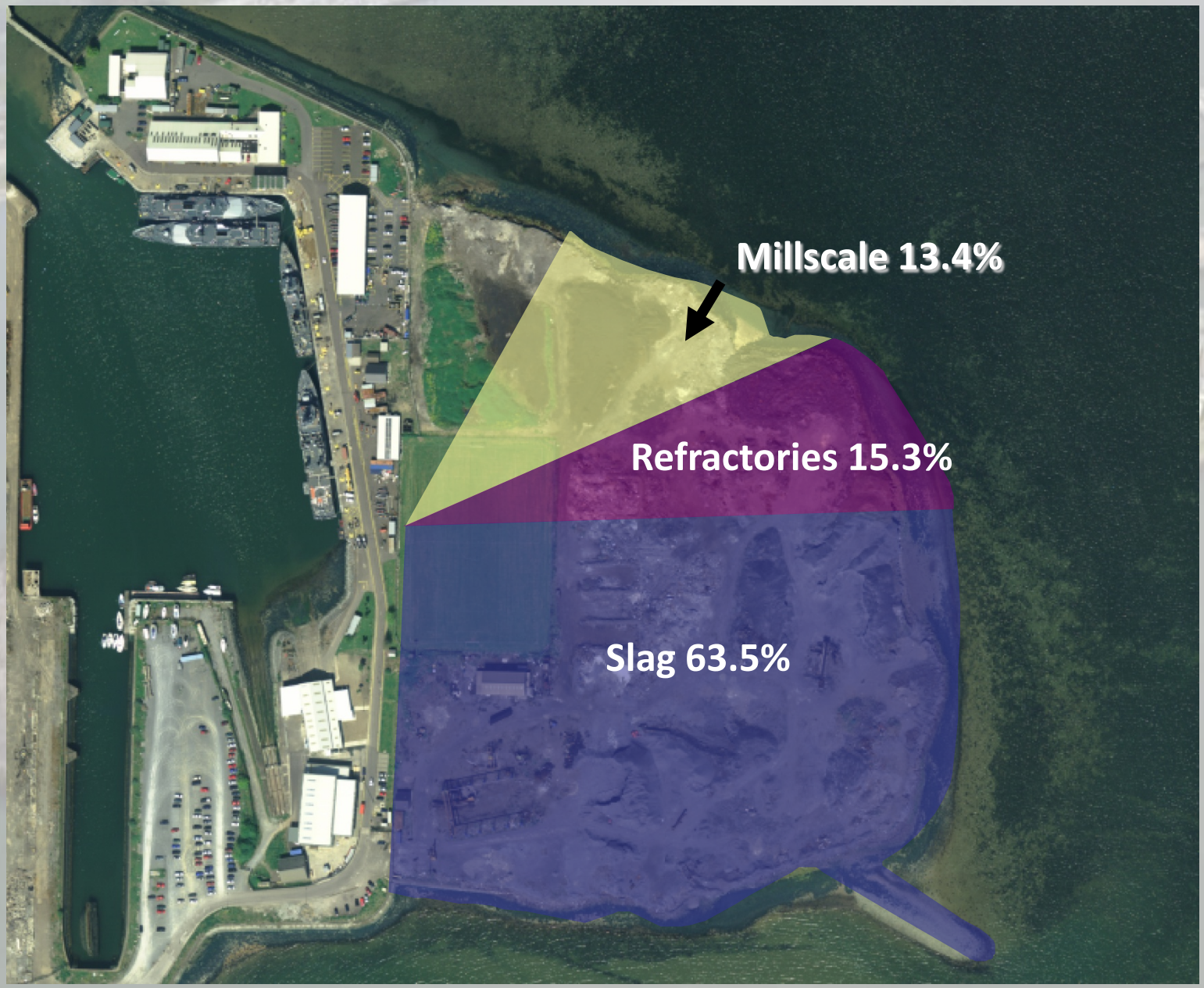
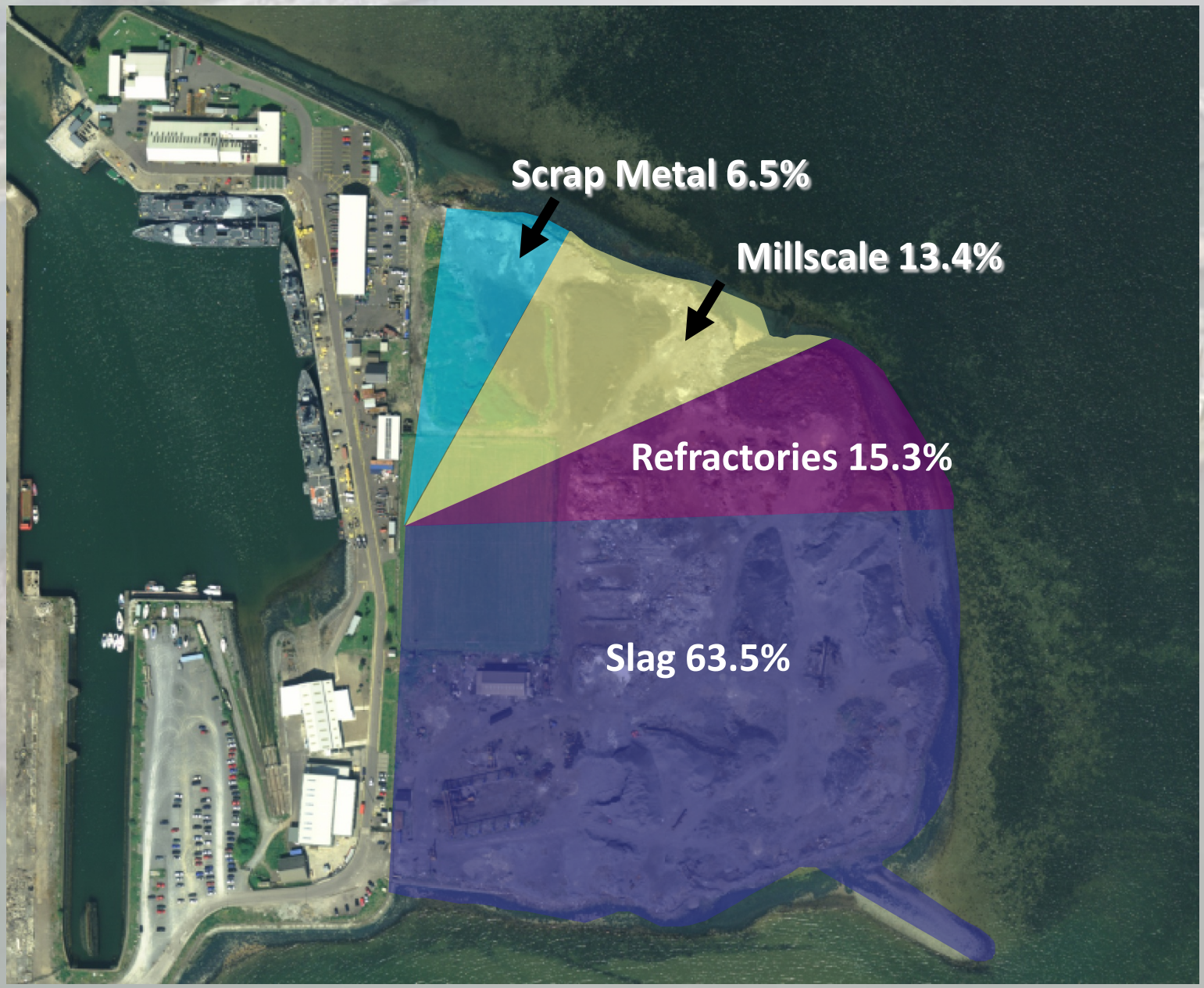
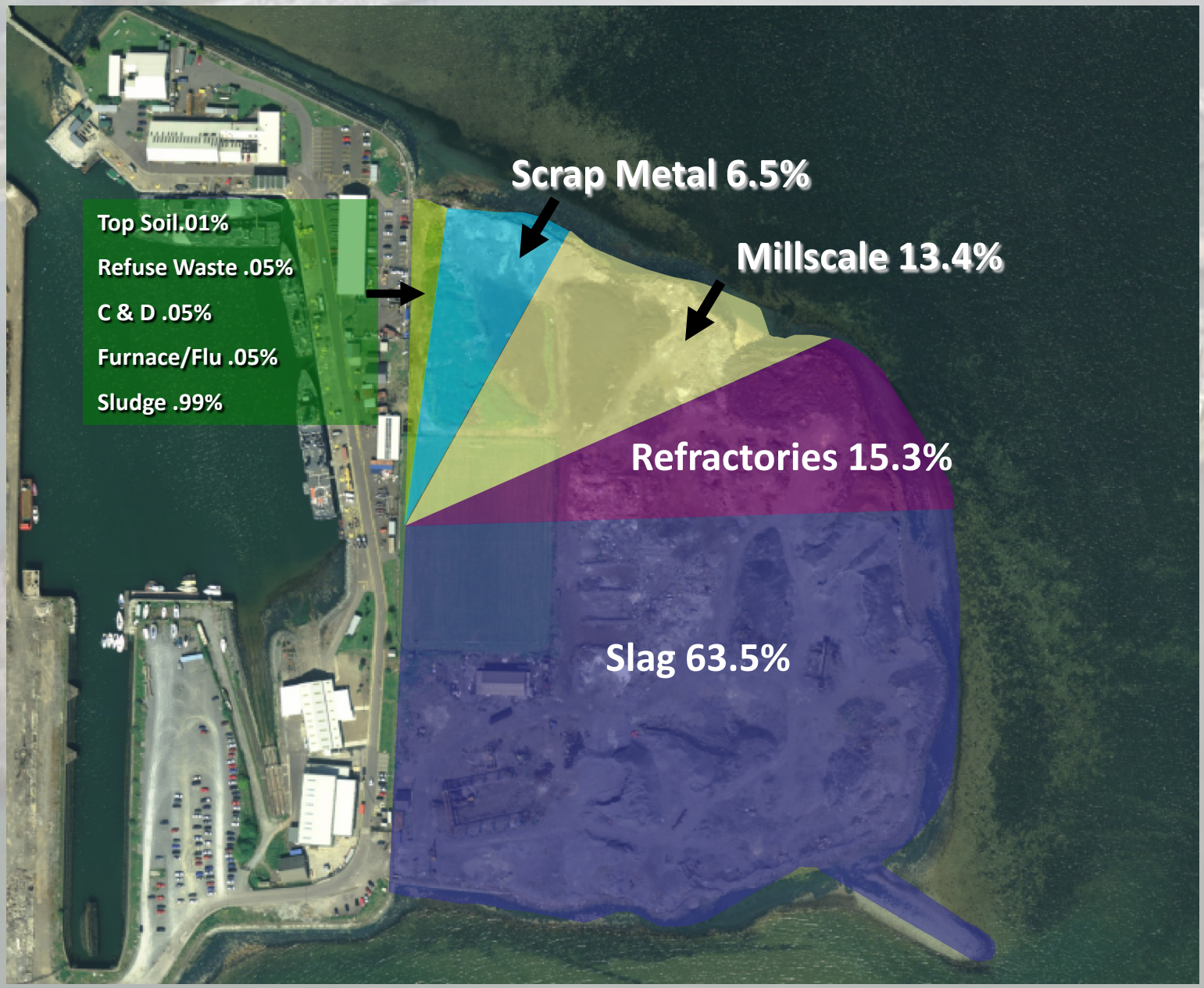

Millscale 13.4%
Refractories 15.3%
Slag 63.5%


Scrap Metal 6.5%
Millscale 13.4%
Refractories 15.3%
Slag 63.5%


Scrap Metal 6.5%
Millscale 13.4%
Refractories 15.3%
Slag 63.5%
Top Soil.01%
Refuse Waste .05%
C & D .05%
Furnace/Flu .05%
Sludge .99%

# *4. Update on Phases I – III*

*as presented on 19/08/2011*

**Phase I: Desk Study and Conceptual Site Model**

- Review all historical reports pertaining to the site and collate all relevant data
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- Formulate potential design solutions **On-going**
- Scope site investigations and structure of licence application
- Project planning (i.e. Gantt Chart)
- Identify external consultancy services and contractors required
- Prepare tender documents

COMPLETE

# *4. Update on Phases I – III*

*as presented on 19/08/2011*

**Phase II: Pre-Application Consultation with the EPA**

- Determine, based on historical data, what licence is envisaged i.e. hazardous or non-hazardous **On-going**
- ~~Obtain approval, in principle, to proposed site investigation programme~~ **N/A**
- Seek input/guidance from Agency regarding any shortcomings/anomalies/weaknesses identified in proposed methodology **On-going**
- ~~Refine methodology~~ **Complete**
- ~~Schedule site works~~ **Provisional**
- ~~Tender advertisement(s)~~ **Complete**

# *4. Update on Phases I – III*

*as presented on 19/08/2011*

**Phase III: Non-Intrusive Site Investigations**

- Comprehensive site survey (contour map)
- Geophysical site survey
- Refine intrusive investigation programme

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*as presented on 19/08/2011*

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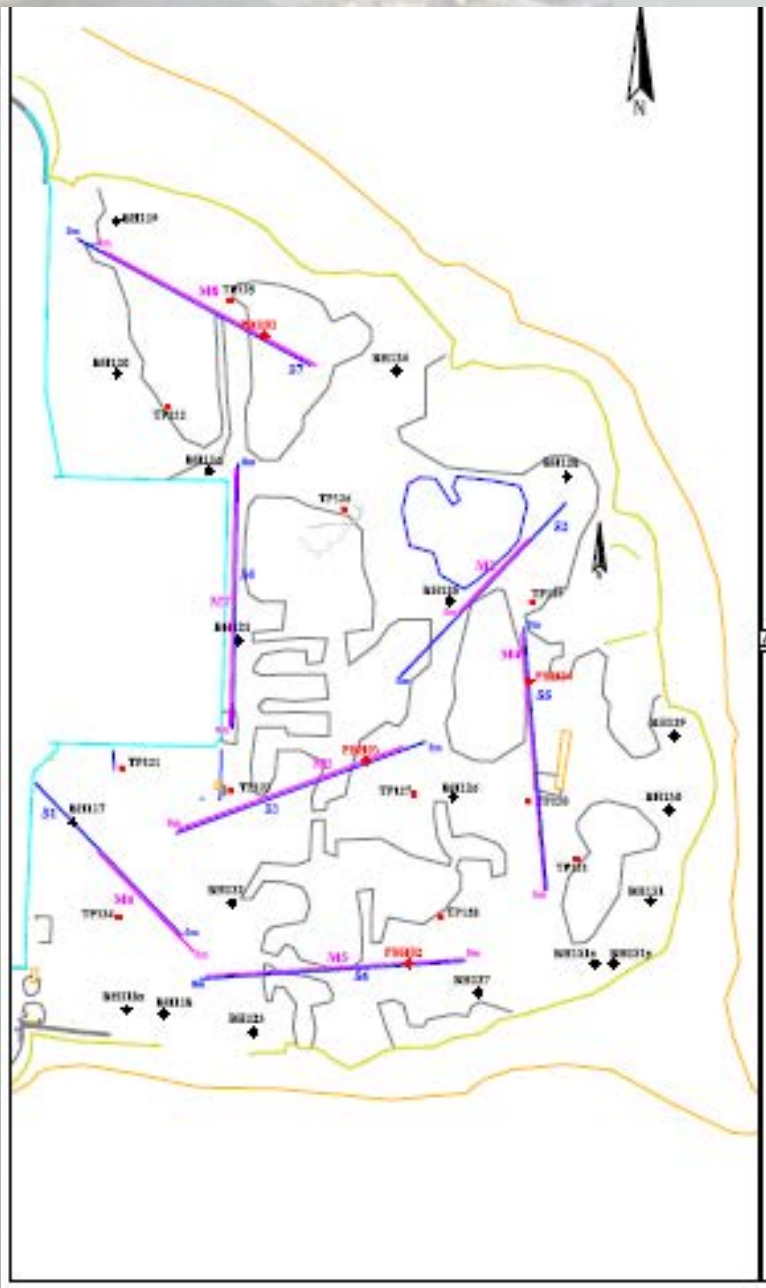
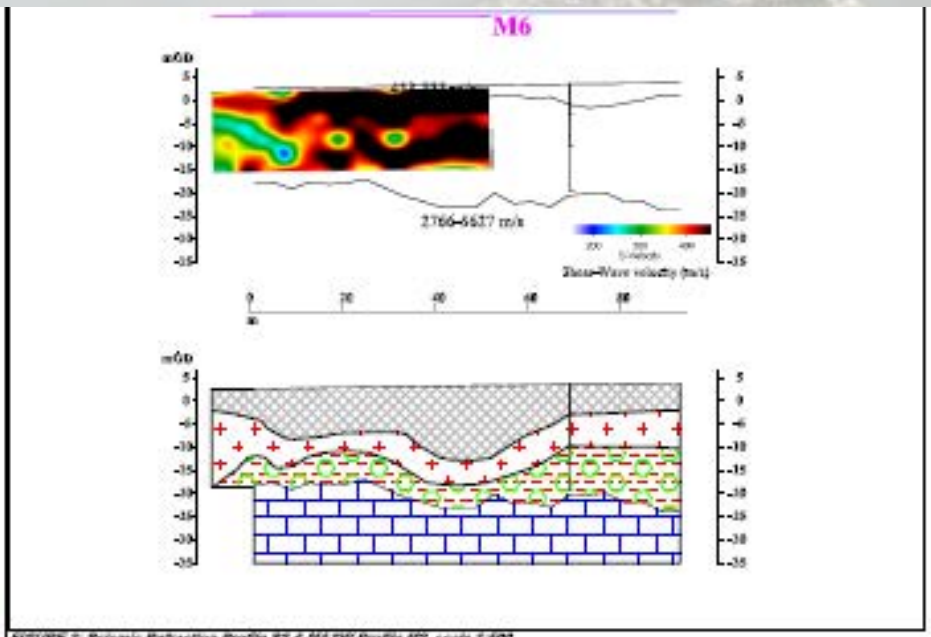
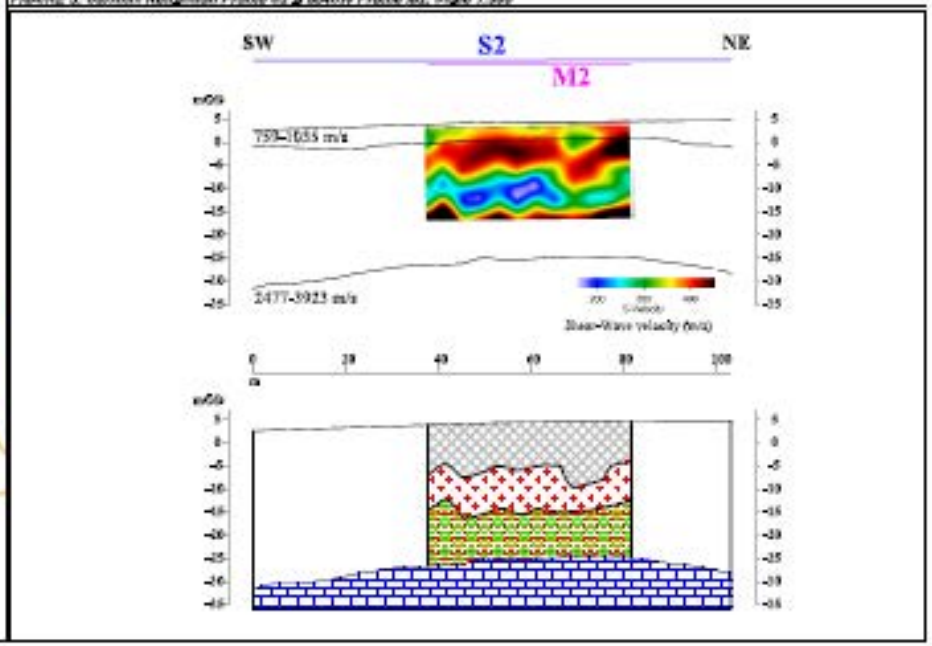
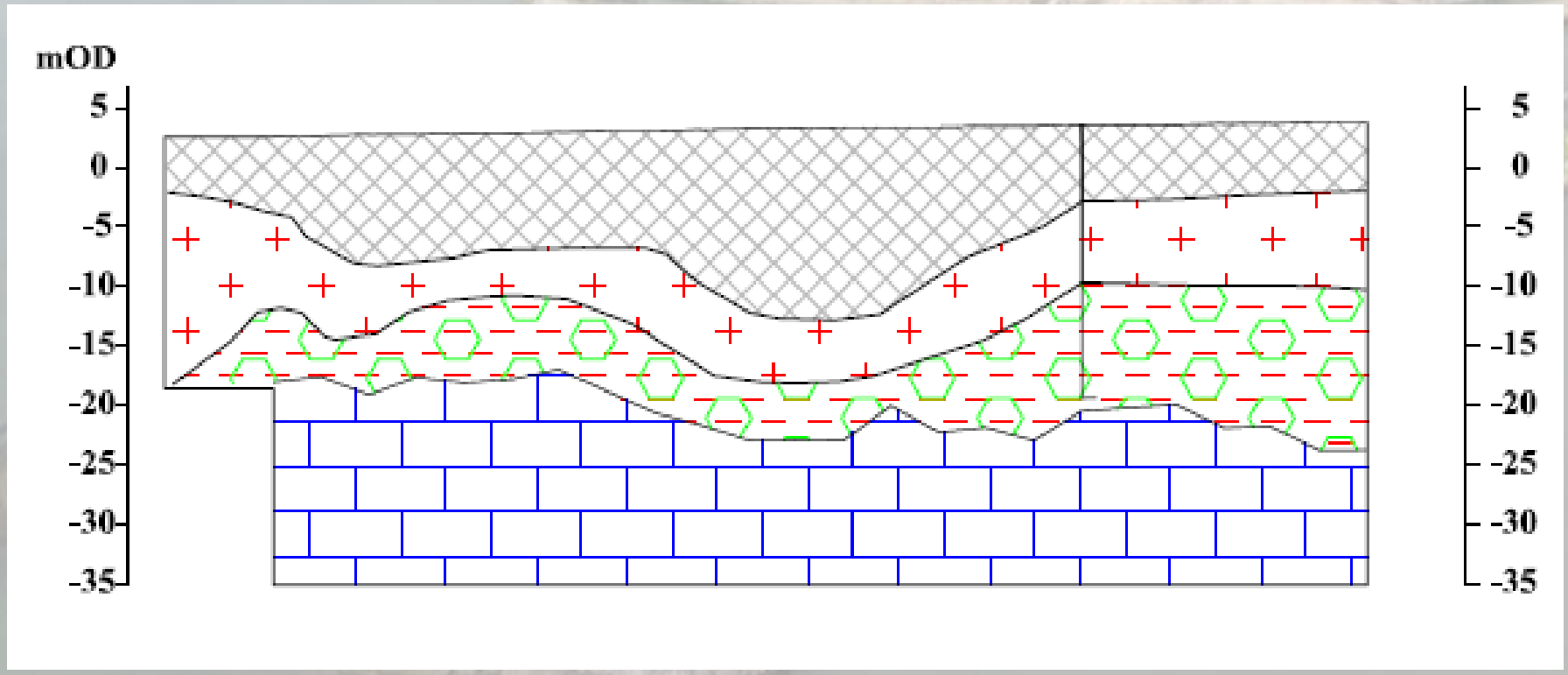
# Geophysical site survey






# Geophysical site survey



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**Phase III: Non-Intrusive Site Investigations**

- Comprehensive site survey (contour map)
- Geophysical site survey
- Refine intrusive investigation programme

COMPLETE

# *5. Update on Phases IV & V*

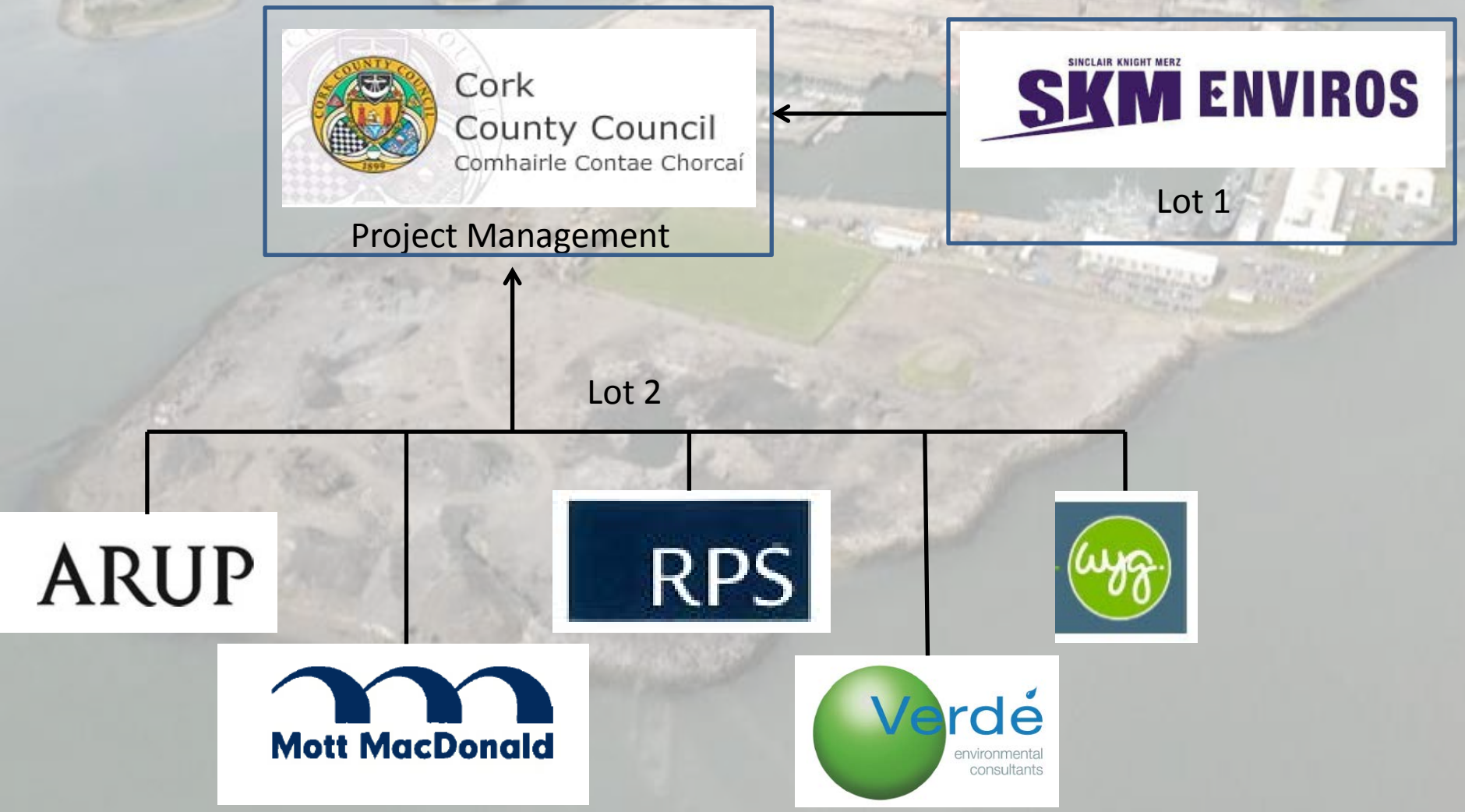
**Phase IV: Intrusive Site Investigations**

- Drilling, permeability assessment and geotechnical assessment i.e. to inform both EIS and design solution.
- Waste sampling
- Second phase of site survey

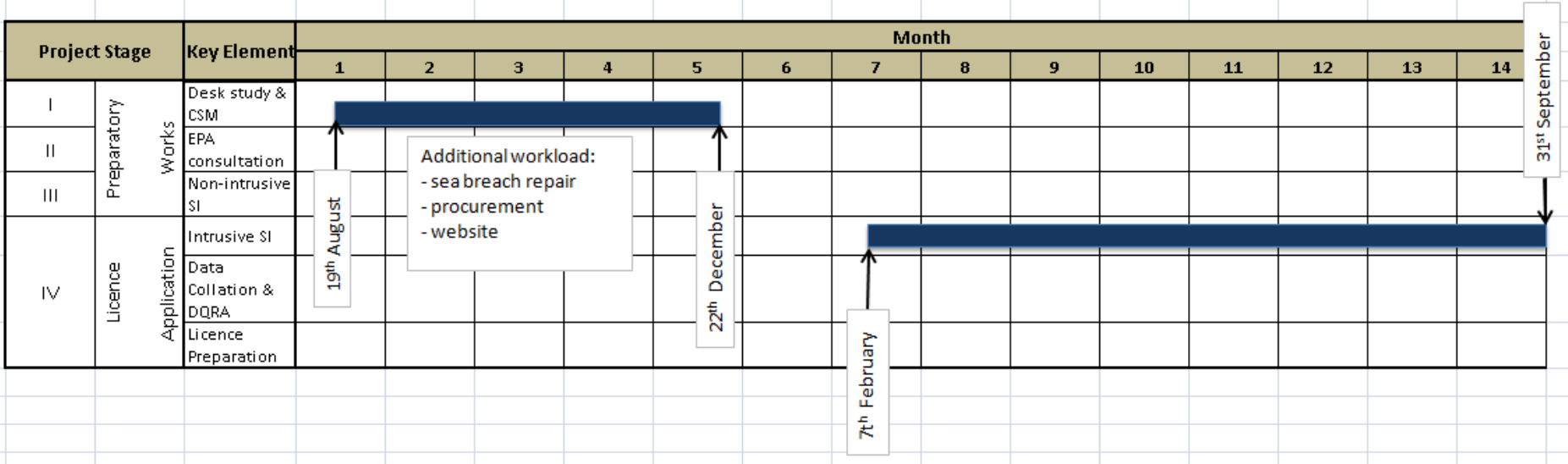
**Phase V: Data Collation, QRA and EIS**

- Collate data from site investigations
- Identify/select and develop proposed design solution and formulate
- Develop computer model(s) and prepare QRA
- ~~Prepare EIS~~ **N/A**

# 5. Update on Phases IV & V

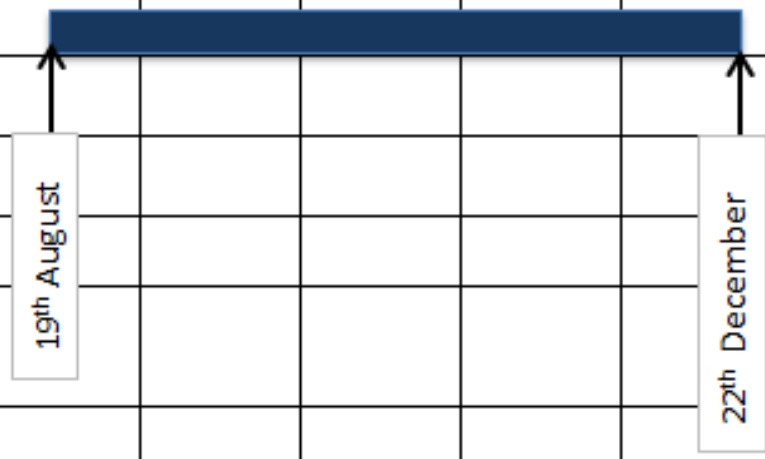


# 6. Project Timelines



# 7. Project Expenditure

| Project Stage | | Key Element | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|
| I | Preparatory Works | Desk study & CSM | | | | | | |
| II | | EPA consultation | | | | | | |
| III | | Non-intrusive SI | | | | | | |
| IV | Licence Application | Intrusive SI | | | | | | |
| | | Data Collation & DQRA | | | | | | |
| | | Licence Preparation | | | | | | |




| | |
|---|---|
| Estimate (19/08/2011) | €138,000 |
| Actual | c.€175,000 (incl. €36,900 for repair works) |


Aon Cheist?