

# London 2012 Olympic Games

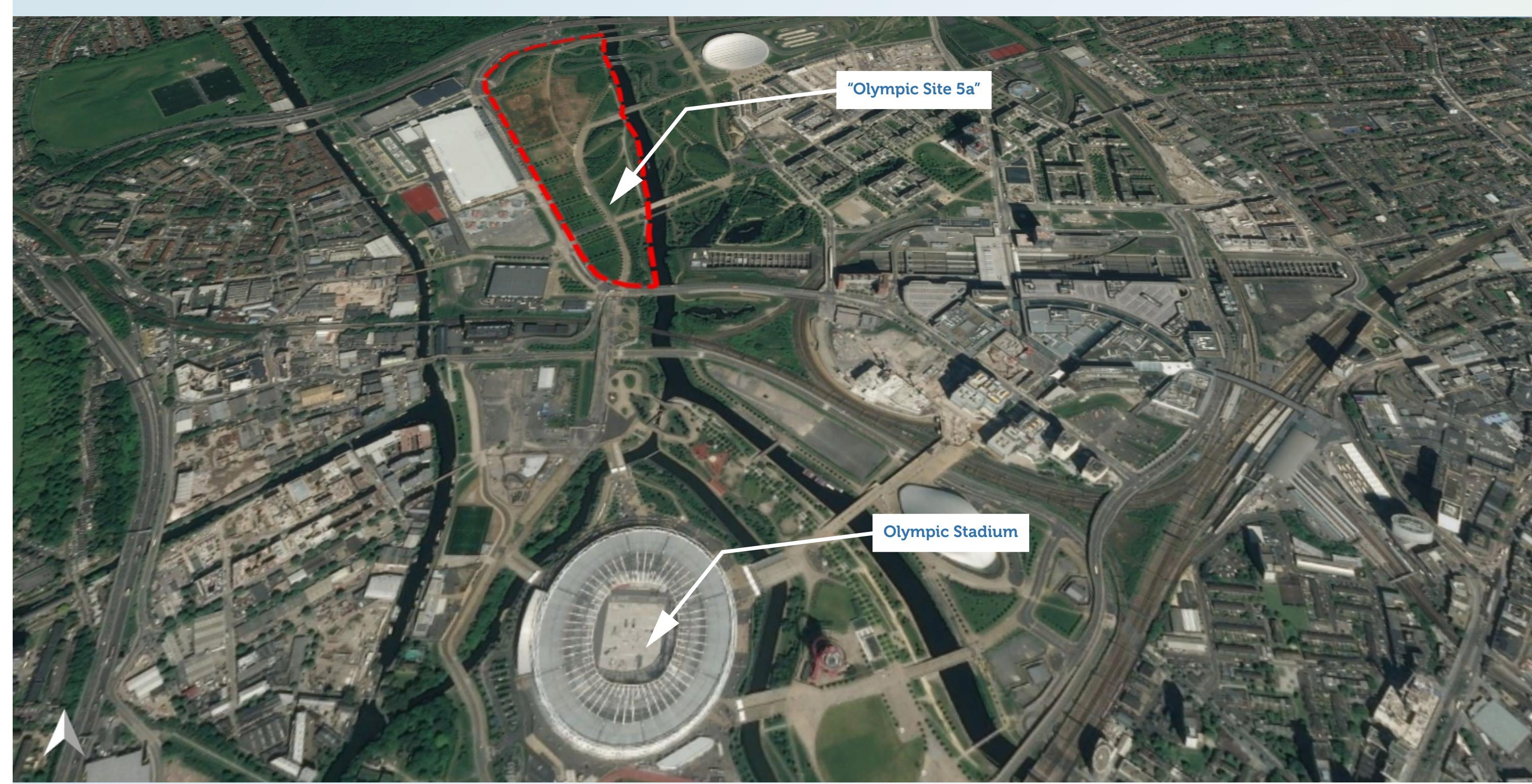
Defining the optimal remediation strategy through data management and analysis, Site 5a of the 2012 Olympic Games.

NewFields were contracted by the Olympic Delivery Authority (ODA) to help progress the re-development of a former landfill and industrial area, in preparation for the 2012 London Olympic Games.

The site soils and groundwater had significant heavy metal, petroleum hydrocarbons and chlorinated hydrocarbon contamination. Despite numerous investigations having been conducted on the site, decision making was difficult due to database management issues including incomplete datasets, a poor understanding of the site conceptual model, and a lack of agreement on what the remediation targets were. The estimated remediation costs at the time were obstructing the redevelopment of the site.

NewFields consolidated all previously collected data into a single database and GIS where it could be easily searched, investigated and understood. This was invaluable for communicating the actual environmental conditions of the Site and the proposed remedy to all the stakeholders.

NewFields data management and data presentation allowed ODA to make a clear decision on the way forward while providing clarity and transparency to the Environment Agency and other stakeholders.



## WEB based environmental data collection system

Development of a WEB- based environmental data collection system, for CONCAWE's Water, Waste and Soil and Groundwater Task Force.

The Association of the Refining Industry in Europe (CONCAWE), had been collecting environmental data for decades which is used to understand the environmental performance of their member companies. CONCAWE decided to upgrade the way data was being collected and requested NewFields to develop and maintain two databases to handle water use, effluent and waste data collected from over 100 refineries located within the EU.

Newfields developed a new web-based data collection system to streamline data capture, providing immediate overview of their water management performance, and expediting the process of data analysis and reporting. The web-based system allowed the secure and dynamic collection of water use and effluent data that was immediately included in a structured backend database to allow for real-time data analyses including trends and statistics, facilitating the development of the CONCAWE's three-yearly industry water and waste report.



# Mersey Gateway Bridge Project, Widnes/Runcorn, UK

Application of Decision Consequence Analysis to the Mersey Gateway Bridge Project, Widnes/Runcorn, UK..

NewFields conducted a decision consequence analysis (DCA) for the Mersey Gateway Bridge Project located near Widnes/Runcorn, to facilitate the understanding of the environmental issues at the site and their cost and time implications.

NewFields' tasks included:

- ⦿ Development of a site-specific database which included all historical environmental data collected in the project area;
- ⦿ Construction of a geographic information system (GIS) to aid in data analysis visualisation and communication of data to the various stakeholders;
- ⦿ Conducting a DCA to map the potential decisions, uncertainties, and consequences associated with the project;
- ⦿ Preparation of a probabilistic cost/time analysis of various options to aid in strategic planning;
- ⦿ Presentation of findings to stakeholders including the Environment Agency (EA).

From this investigation we were able to clearly show how the Stakeholders could progress efficiently with the development, address the contamination, avoid costly delays and begin generating income from bridge tolls in the quickest and environmentally safe way possible.



## Portfolio Risk Assessment and Management Plan

Comprehensive Environmental Liability Assessment, Control and Reduction Plan, UK, France, Spain, Germany, Netherlands, Italy, Denmark, Sweden, Norway, for a Major Multi-National Chemical company.

This project included the development of a Risk Management Plan for a portfolio of divested properties. The Risk Management Plan started with the development of a comprehensive knowledge management system for over 100 facilities and was followed with the business risk profiling of the entire portfolio, identification of short and long- term environmental risk drivers, decision consequence analysis, identification of high value intervention tactics and prioritization of business risk management tactics. The project also included environmental compliance implementation support for high cost, high uncertainty sites.

During the project, NewFields made available communications tools and accessible explanations on proposed interventions, costs risks and negotiation strategy.

As a result of NewFields' assessment the estimated exposure reduction for the client was > €200MM. The client was also able to prevent any recurrence of cost expansion across the portfolio.

