

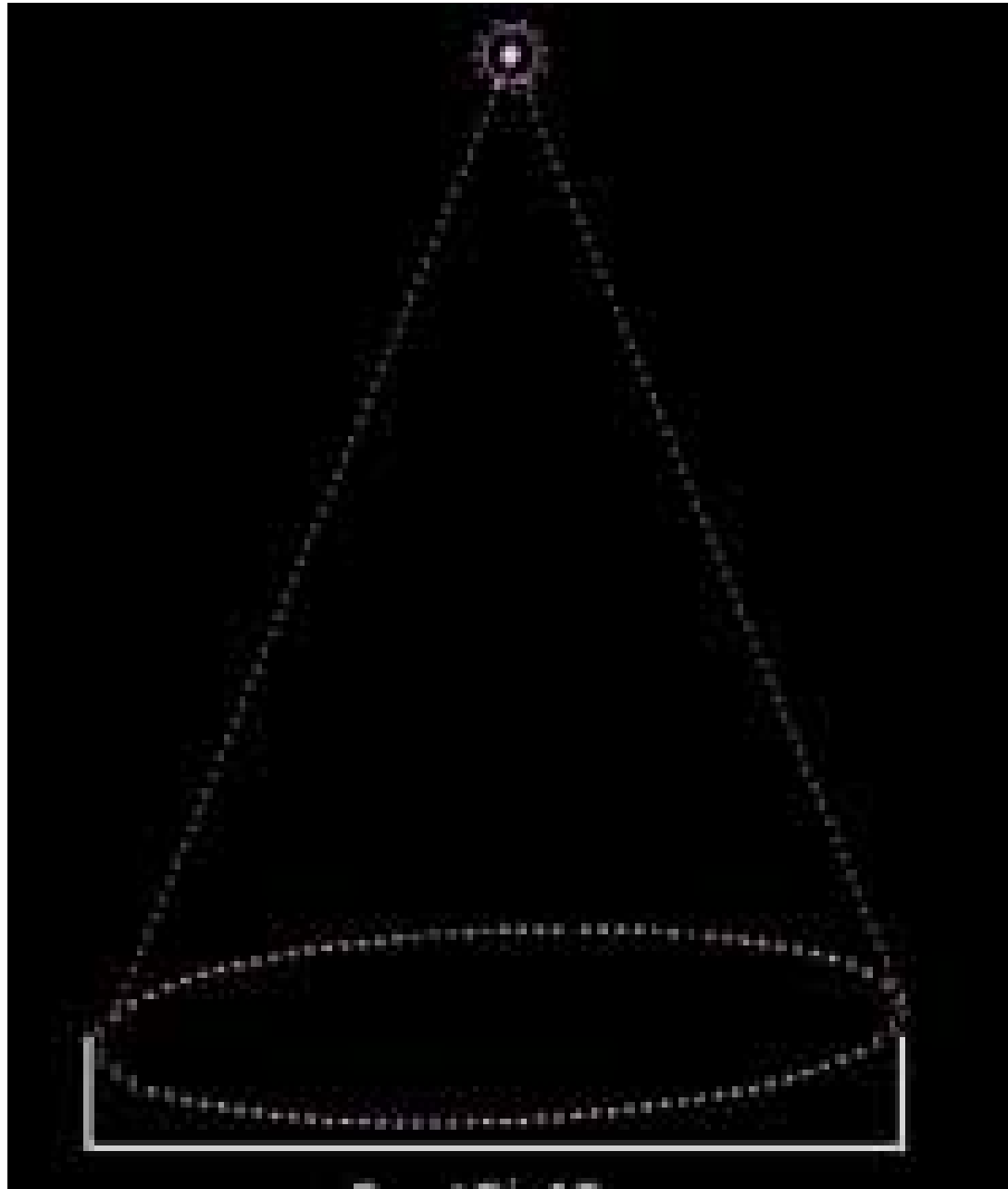
New Approaches

stolen
borrowed recycled
re-used

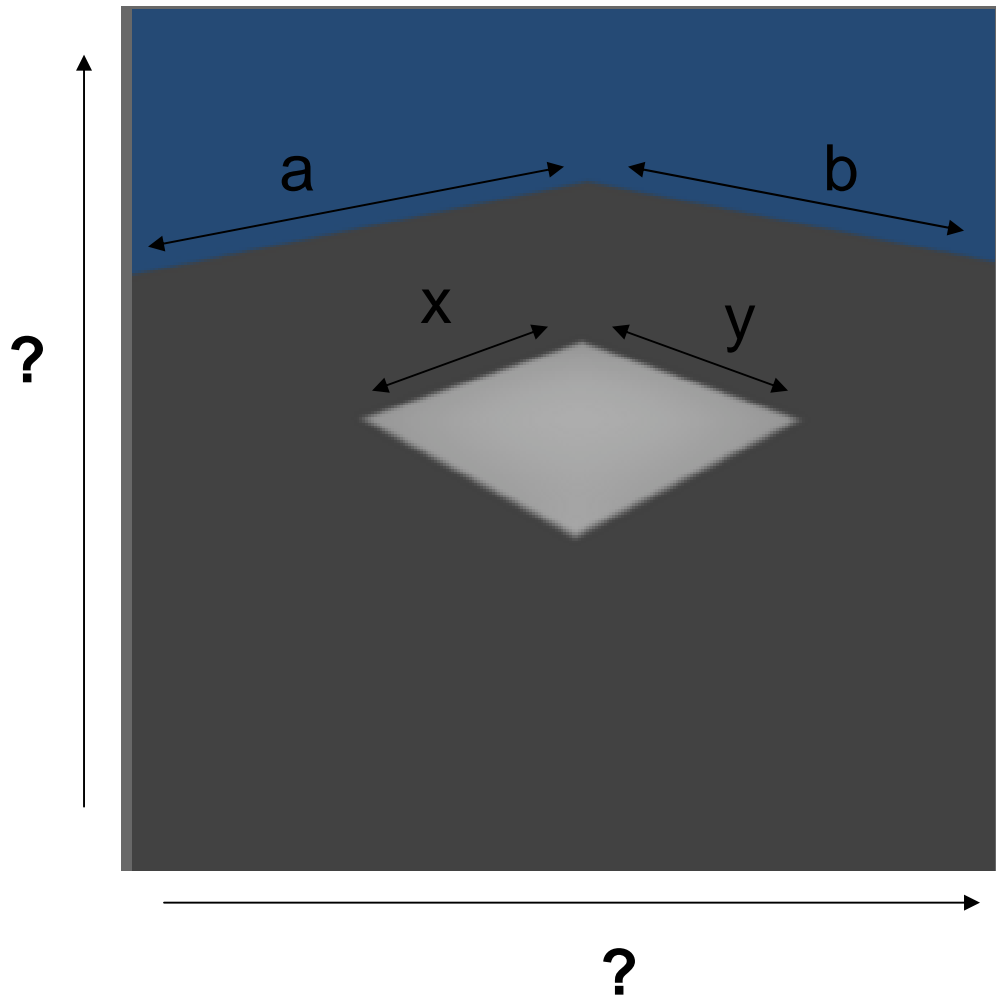
~~New Approaches~~



how do you look for solutions?



where do you look for solutions?
(defining the search space)



‘there’s nothing like the
thought of impending death to
concentrate the mind’

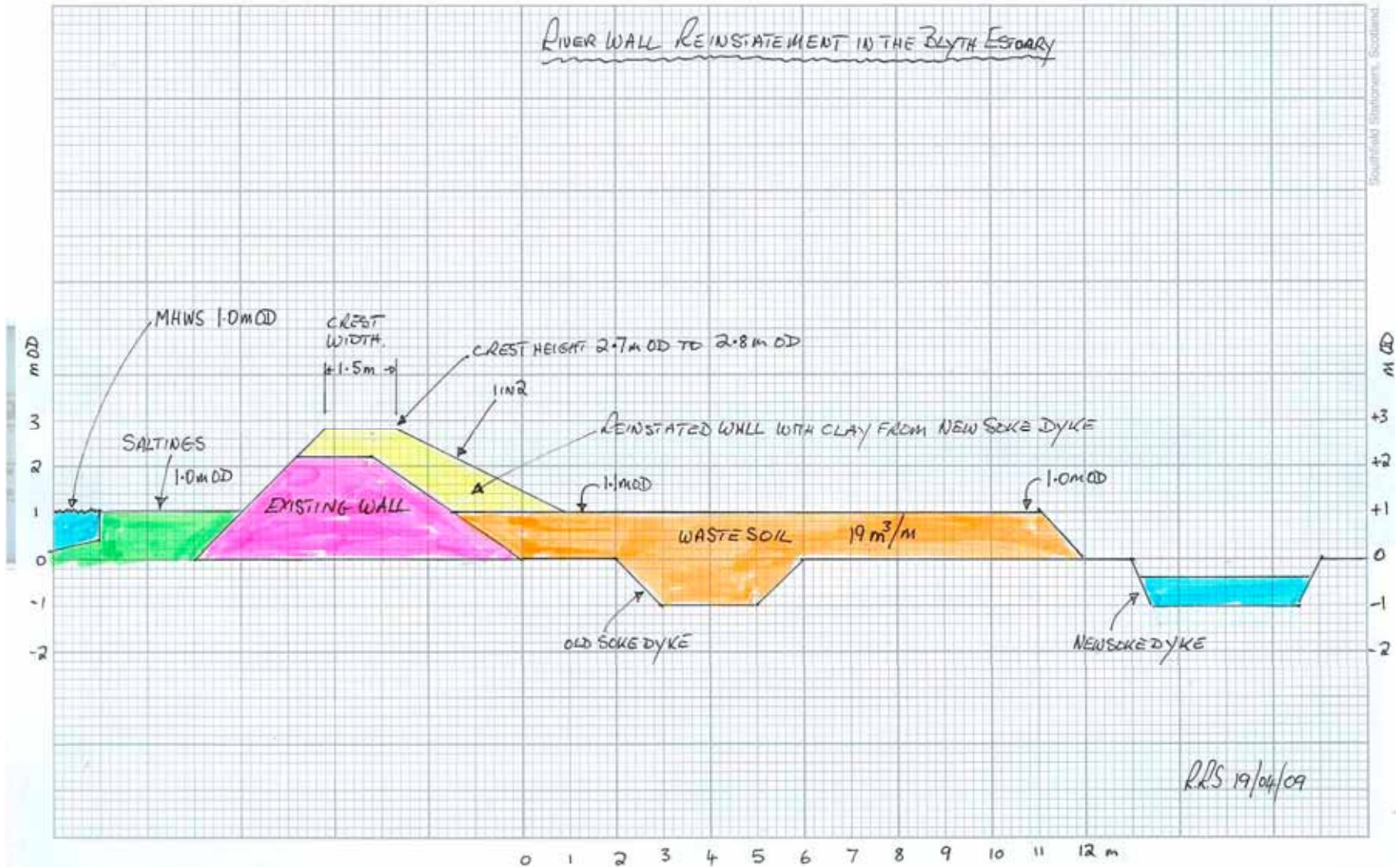
‘crisis is the mother of’

Novel funding 1 self financing sacrificial cliff



novel funding 2: self financing river wall

RIVER WALL REINSTATEMENT IN THE BLYTH ESTUARY



novel funding 3 enabling development



novel funding 4
8 MW : £250k - £500k pa (net)



Renewable Energy Revenues



Lowestoft: 2.75 MW 6 year payback

novel funding 5

“trains and boats and planes”



250 “Redbirds” New Jersey 2003



USS Oriskany, Florida 2006



Air Canad Boeing 737, Vancouver, 2006

.. and ?

‘Rigs to Reefs’ revisited
Concept Paper: June 2006



RIGS TO REEFS

From 2015 it will cost the UK Oil & Gas £15 billion to decommission offshore platforms. It offers east coast ports “deconstruction” business opportunities, and the British coastlines a new source of material for inshore reefs. (2008)

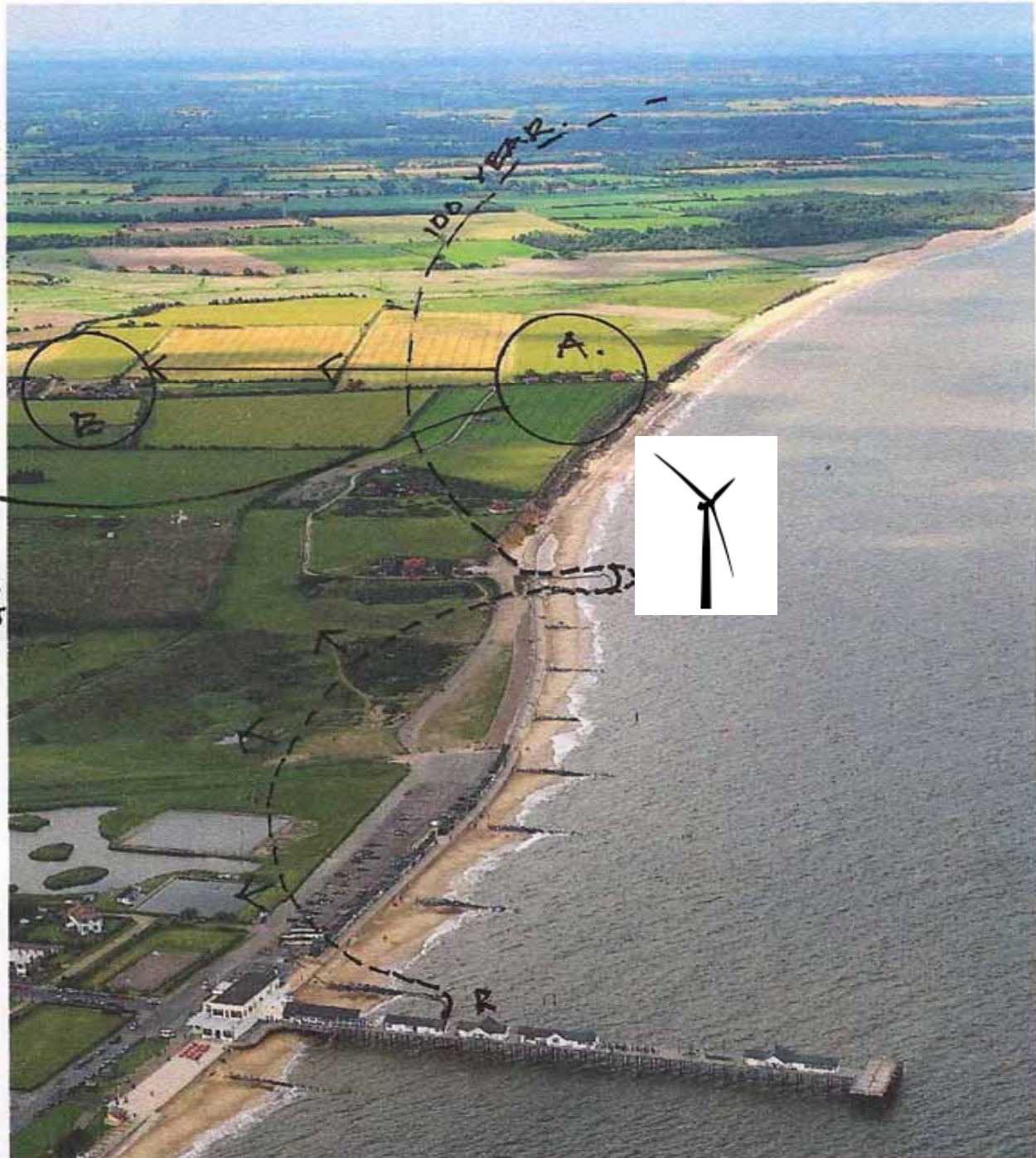


novel funding 6

Composite blueprint

- reef
- cliff stabilisation
- enabling development
- roll back
- self financing

L.A.
SITE
1. KM
WEST



incubating new approaches

“the most abundant,
least expensive, most
underutilised and
frequently abused
resource in the world is
human ingenuity”

Dee W Hock
Founder, Visa

crisis is the mother of ...

RISING CURRENTS

PROJECTS FOR NEW YORK'S WATERFRONT



New York City and its partners face several inspiring, rigorous, challenging, and complex coastal and water policy workstreams. Resolving urban water and rising sea levels, coastal change, and growing threats, and they demand unconventional thought and action. DRI and P&J have joined forces to create a platform for dialogue on these timely issues and for creative responses to them.

The national debate on infrastructure is now largely focused on "shovel ready" projects, however, it is important to understand how research and fresh thinking is part of addressing the complexity of the necessary. As it goes, research, much of the city's recent public work of a commercial center has been and will be based on innovative design thinking. From November 2007 to January 2009 an ambitious research program at P&J brought together two like-minded groups of architects, landscape designers, and engineers to re-examine the opportunities around New York's waterfront and explore new ways to integrate the waterfront into the city's daily life. Rather than conventional "water front" and "water back" approaches, the waterfront is being re-examined to be treated as a whole, recognizing that the waterfront is not just a place of water, but a place of life. The program's research and design work is being shared with the city and other stakeholders.

The participating designers have completed projects for five sites, identified and researched to engineer five new projects of waterfront connectivity and the connections. Through research and design thinking, they have provided the framework for the current development of adaptive and water sensitive infrastructure for the sites, solutions that are an vital to the waterfront.

Seeing how their experiences at P&J, the teams opened their studios, looking hundreds of visitors in advance their work in progress and engage in dialogue about the future of New York. The entire project is documented online, at dri.pj.com, and is available to the public through a series of public programs, including a series of public programs, and other reports. The results of the workshop are available in the gallery to your left.

For more information on the project, visit dri.pj.com. For more information on the project, visit dri.pj.com.

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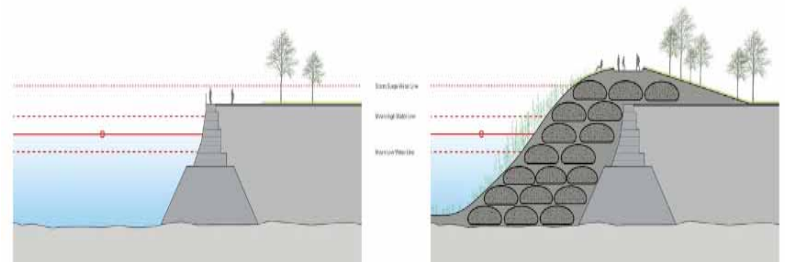
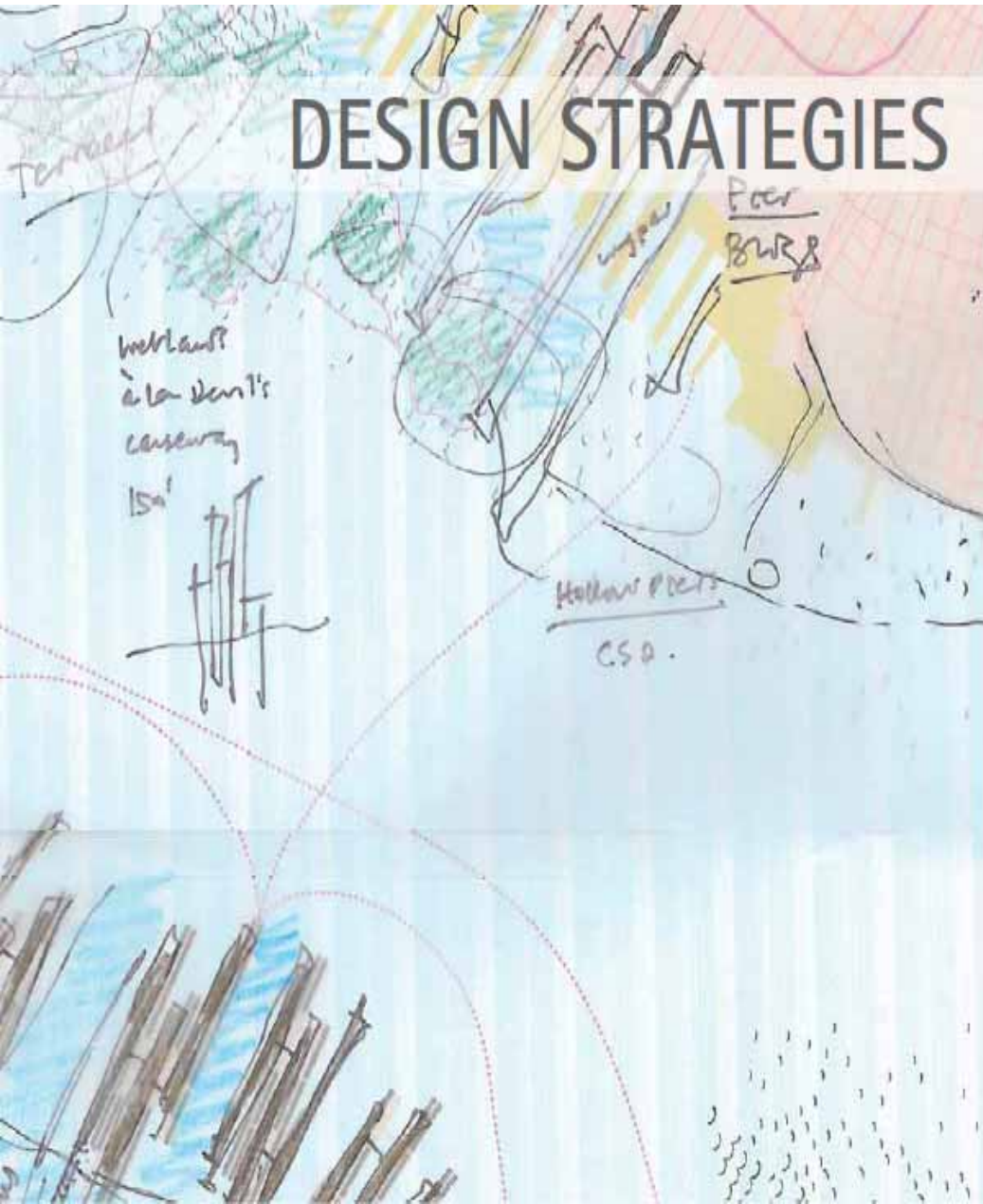
For more information on the project, visit dri.pj.com.





- 5 innovation teams
- 5 different frontages
- 8 week innovation lab
- hundreds of ideas

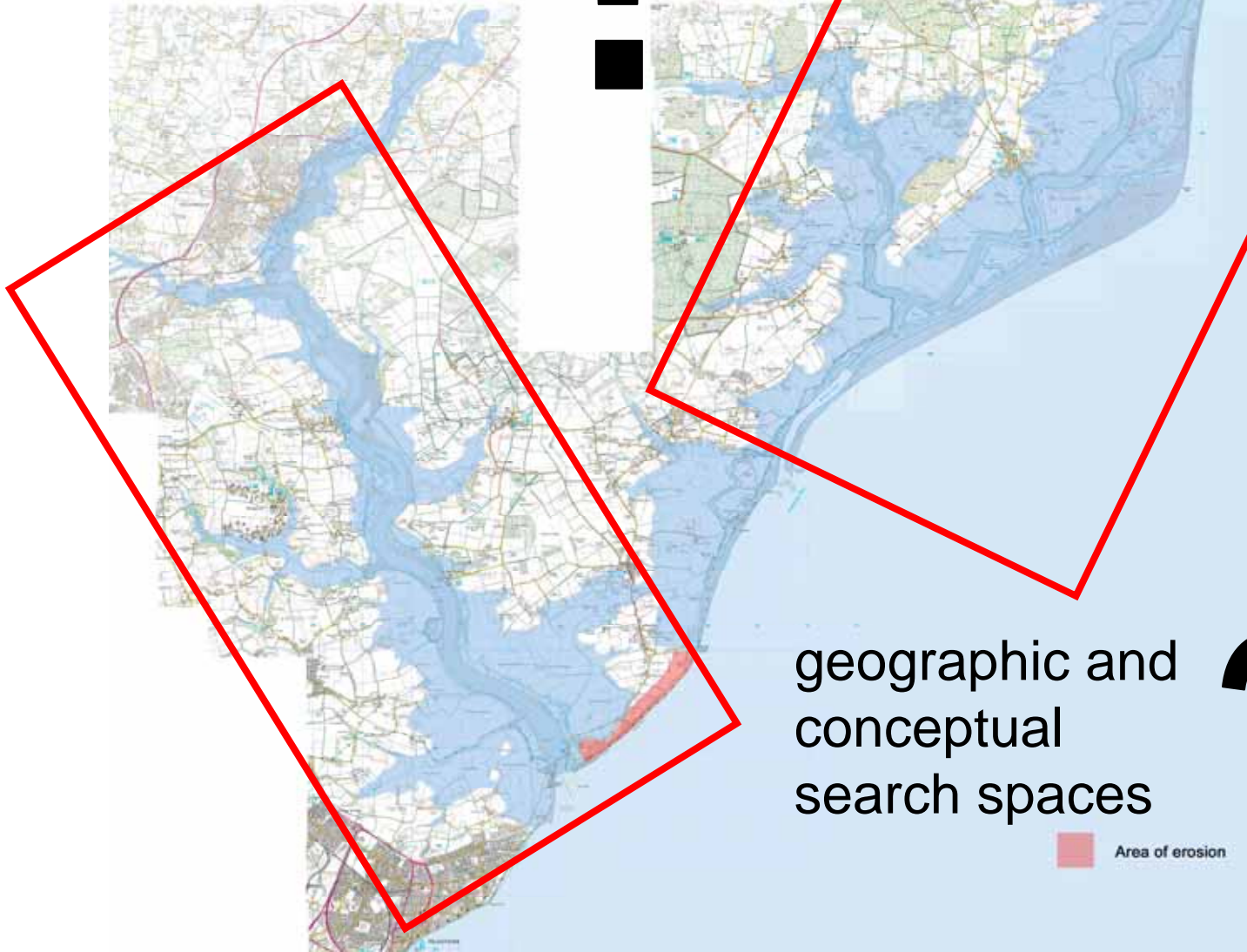
Finite-element model of the New York/New Jersey Upper Bay incorporating Latrobe masterplan islands, detached piers, and reefs.



absorb, diffuse, deflect, defend



innovation
laboratories



geographic and
conceptual
search spaces



Area of erosion

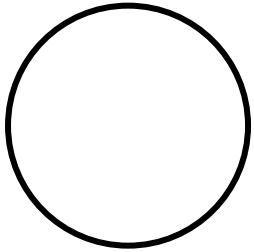
“the art of taxation is
the plucking of the goose with the least hissing”

- Co-funding partnerships
- Habitat replacement funds
- Enabling development / piggy-back'd development
- Compulsory levies (RFDC)
- Parish Councils (& Public Works Loan Boards)
- Council Tax
- Insurance premiums
- Sales (tourist) tax
- Donations / bequest / “fundraisers”

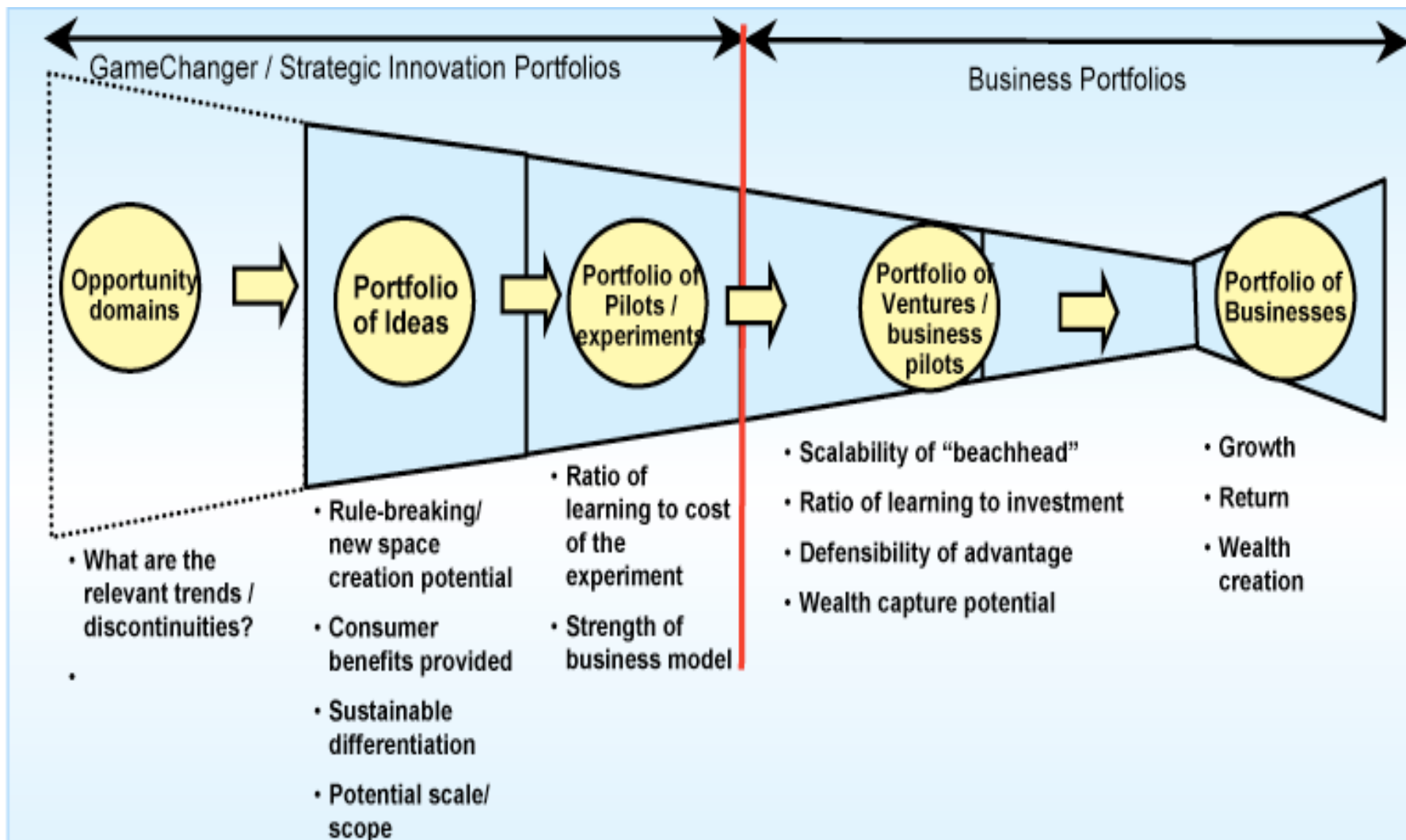
- “Strike Oil” ... *and other ridiculous options*

Key issues

- “Governance Issues”
 - defining the search space
 - clarity of mission / rules of the game
 - who is in charge?
- New approaches
 - Estuary strategy as “innovation laboratory”
 - Idea generation
 - new sources of finance
 - New approaches
 - Test bed new techniques
- “Low hanging fruit”
 - quick wins?



Estuary strategies





**THE SEA FLOOD
JANUARY 31ST - FEBRUARY 1ST 1953.**

MINISTRY OF AGRICULTURE AND FISHERIES
CROWN COPYRIGHT RESERVED

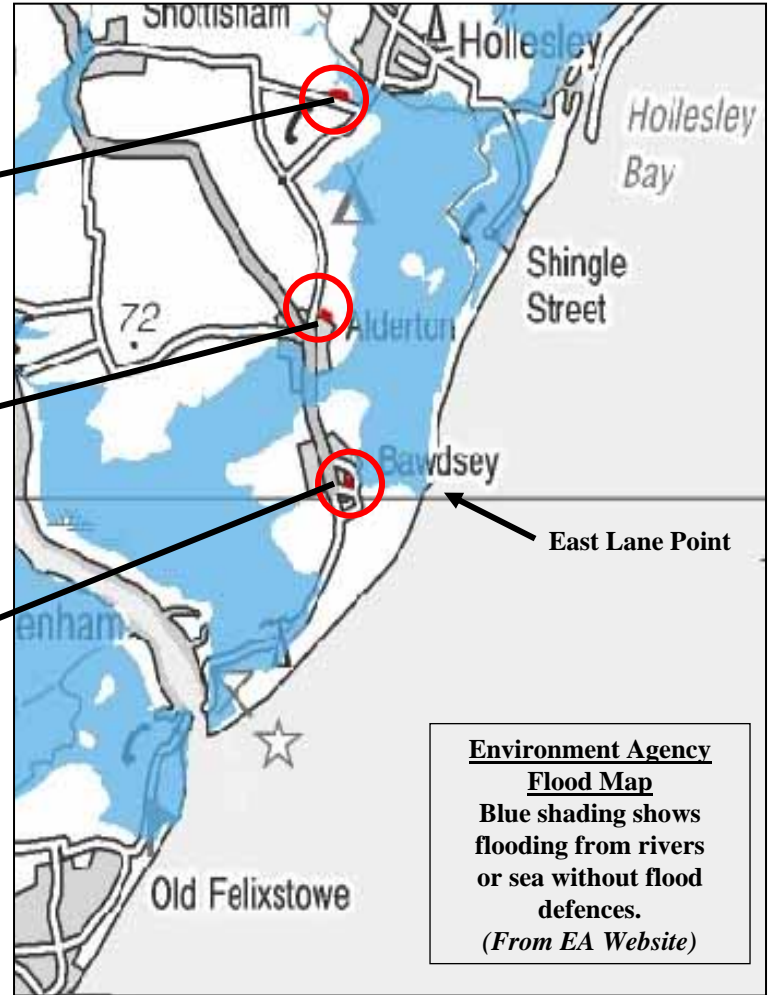
PRESENTED BY THE EAST SUFFOLK
AGRICULTURAL EXECUTIVE COMMITTEE
TO THE IPSWICH AND EAST SUFFOLK
COUNTY OFFICE

MARCH 6, 1954

P. J. Davis
COUNTY AGRICULTURAL OFFICE

Enabling Development

26 sites totalling 50 acres offered. Market value £15 m. 3 sites totaling 6 acres chosen.
Yielded £2 million



Hollesley Site 5

Alderton Site 1

Bawdsey Site 1

East Lane Point

**Environment Agency
Flood Map**
Blue shading shows flooding from rivers or sea without flood defences.
(From EA Website)

 5 metre contour	 All Sites	Aerial Photo 5000 ft
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~ 50 acre offered to Trust
£12-15 million land values