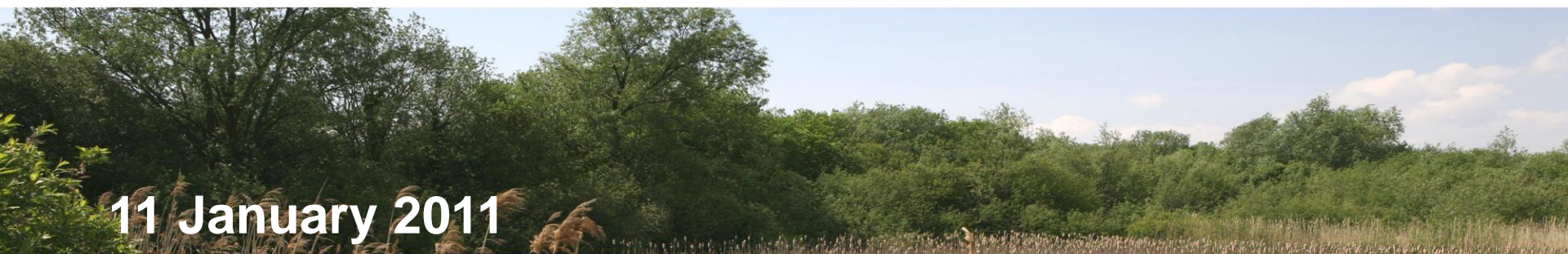




# Minerals Development Document:

## MDD Preferred Approach – Mid Area Forum



11 January 2011



Essex County Council

# Our Responsibilities

To plan for the adequate supply of minerals to 2028  
having regard to:

- National minerals planning policy – MPS 1  
(*e.g., Minerals Supply Hierarchy; importance of local circumstances*)
- Managed aggregate supply system
- The process of plan preparation – PPS 12

This evening's Focus:

The selection of primary extraction sites

# MPS 1: Mineral Supply Hierarchy

- Reduce the quantity of material used and waste generated;
- Use as much recycled and secondary material as possible;
- Secure the remainder through new primary extraction.

# Reducing Mineral Use

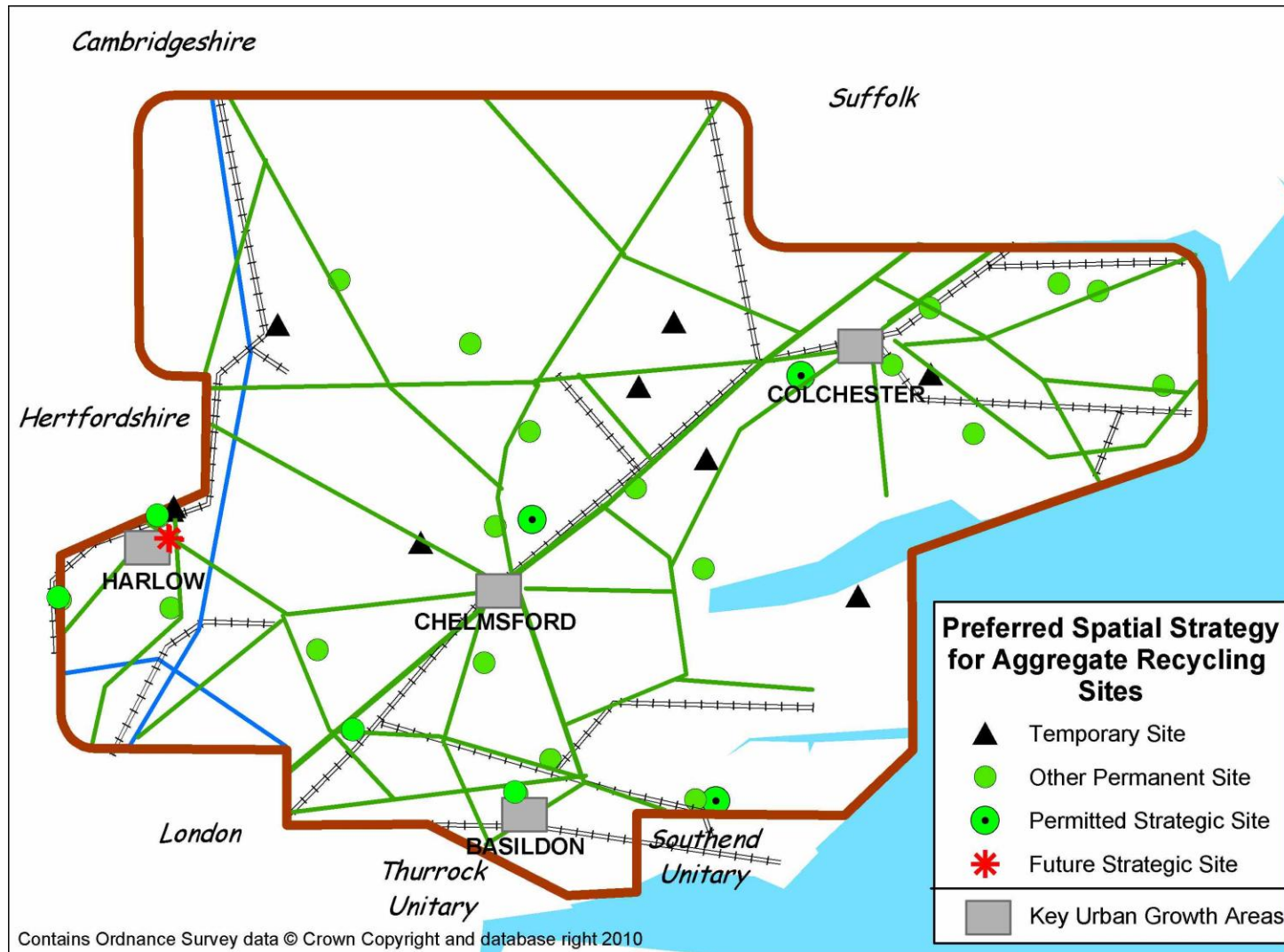
- Top of minerals supply hierarchy
- ECC sustainable procurement has potential to promote sustainable construction practices and supply circa 200,000tpa recycled aggregate.
- Co-ordination with other public sector agencies seen as vital.
- Approach endorsed by - Sustainable Essex Partnership LSP



# Aggregate Recycling

Improve the quantity & quality of recycled aggregate through:

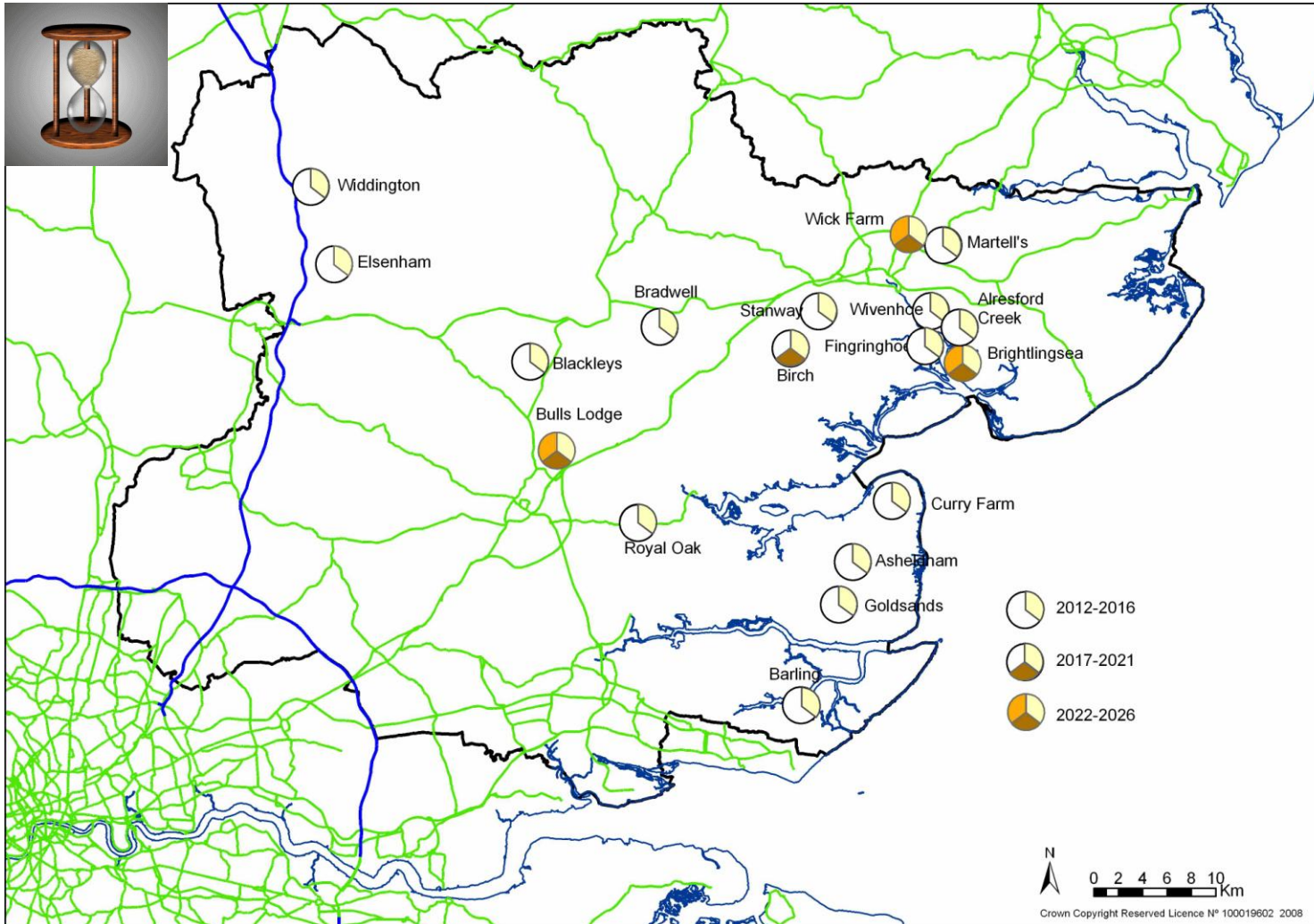
- On-site recycling on redevelopment sites
- Large scale Strategic recycling facilities
- Smaller non-strategic recycling facilities
- Aggregate Recycling target



# Primary Mineral Supply Requirements

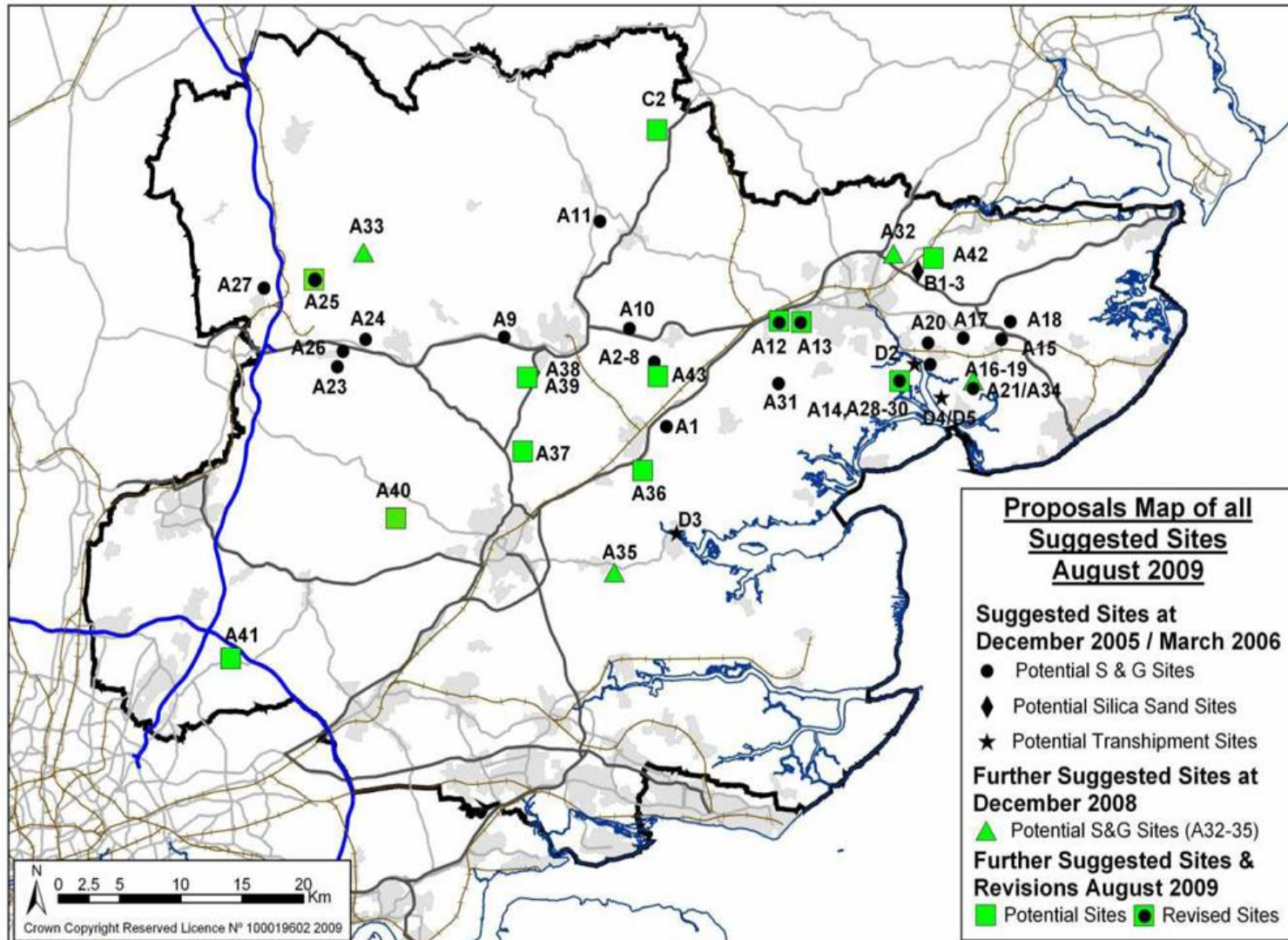
- Land Won Sand and Gravel apportionment of 4.31mtpa and 7 year landbank)
- Silica Sand – to maintain a landbank of at least 10 years reserves (for individual sites)
- Brick Clay – stock of permitted reserves sufficient for 25 years production

# Existing sites which will continue over the plan period (from 2012)



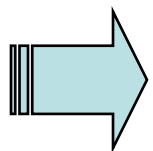


# All suggested sites at Aug 2009



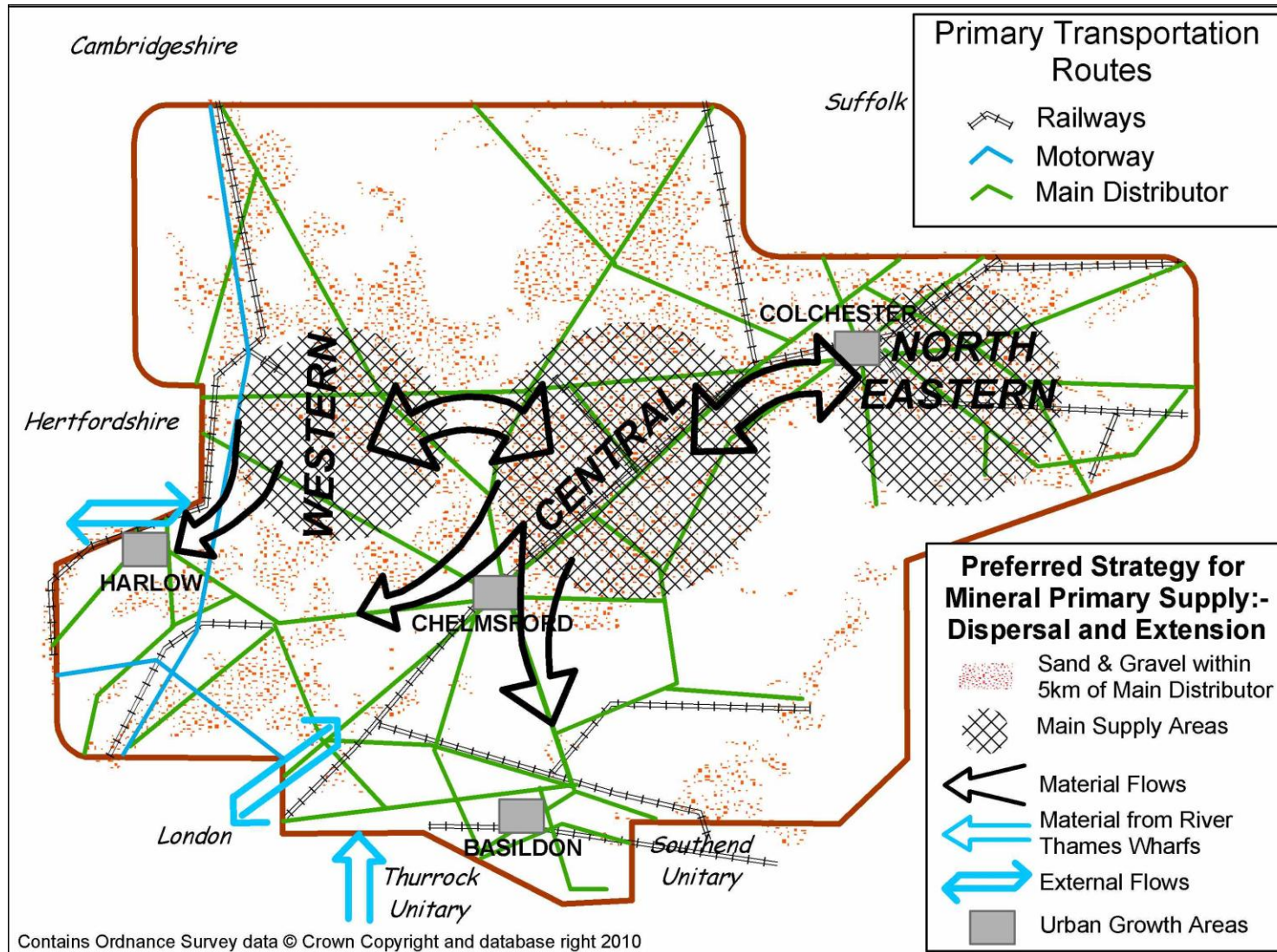
# Sand & Gravel Spatial Strategy

- Required apportionment (42.225mt)
- Optimise locations to serve whole County
  - Growth locations
  - Mineral infrastructure (ports and railheads)
  - Redress supply imbalance
  - Transportation (reduce mineral miles)
  - Carbon Use
- Extensions / New
- Environmental factors



Hybrid Spatial Strategy of Dispersal & Extensions

# Key Diagram



# Site Selection Methodology

MINERAL PLANNING AUTHORITY (MPA)	SUSTAINABILITY APPRAISAL TEAM (SA)
<b>STAGE 1:</b> Assess sites against ESSENTIAL CRITERIA	<b>STAGE 1:</b>  Assess sites against SA OBJECTIVES
<b>STAGE 2:</b> Assess sites against SELECTION CRITERIA, based on: <ul style="list-style-type: none"> <li>•MAIN SITE ASSESSMENT PROFORMA</li> <li>•REPRESENTATIONS AND CONSULTATIONS RECEIVED</li> <li>•STRATEGIC FLOOD RISK ASSESSMENT (SFRA)</li> <li>•HABITAT REGS ASSESSMENT (AA)</li> <li>•ANY FURTHER INFORMATION RECEIVED</li> </ul>	
<b>STAGE 3:</b> REVIEW AND AMEND ASSESSMENT (If necessary) in consultation with the SA team .	
<b>STAGE 4:</b> RANK SITES to achieve PREFERRED SPATIAL OPTION	
<b>STAGE 5:</b> Assess CUMULATIVE IMPACTS of BEST PERFORMING SITES under PREFERRED SPATIAL OPTION	
<b>STAGE 6:</b> Produce list of PREFERRED SITES for inclusion in MDD: PREFERRED APPROACH DOCUMENT	



# STAGE 1: Essential Criteria

Geology	Geological site investigation / borehole evidence. Independent verification.
Highway, Rail or Water connection	Access considered achievable by Highway Authority / Agency, rail and / or port authority.
Able to be worked (at least in part) within the plan period	Life of site, sequencing of working, and other time constraints.
Environmentally acceptable	No significant adverse impact to national / internationally: <ul style="list-style-type: none"> <li>- designated site;</li> <li>- BAP priority habitat or species;</li> <li>- historic environment designation, or the environs thereof</li> </ul>

# STAGE 2: Site Selection Criteria

<p>Spatial Option(s)*</p> <p>Mineral Resource and Timetable</p> <p>Planning History</p> <p>Landscape</p> <p>Ecology and Designations</p> <p>Historic Environment</p> <p>Agriculture</p> <p>* All sites considered Dispersed at outset</p>	<p>Proximity to Sensitive uses</p> <p>Water / hydrology</p> <p>Traffic and Transport</p> <p>Recreation</p> <p>Amenity &amp; Pollution</p> <p>Restoration and After-use</p> <p>Other Potential Benefits</p>
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# Scoring system

**GREEN:** No issues / impacts, or they are insignificant - (4)

**AMBER 1:** Minor issue / impact (and may involve mitigation) - (3)

**AMBER 2:** Moderate issue / impact (in most cases with mitigation) - (2)

**AMBER 3:** Major issue / impact (substantial mitigation needed) - (1)

**RED:** Severe issue / impact that cannot be adequately mitigated - (0)

**PLUS** a weighting of 6 points for sites in the west of the County

## MDD: table 13

SITE SELECTION SUMMARY SHEET

SITE SELECTION SUMMARY SHEET

MDO: table 13

MDO: table 13

[illegible]



# Central Preferred Sites

## Sites

- Blackleys Quarry (A38, A39) – both scored 43 points
- Bradwell Quarry, Rivenhall Airfield (A2, A3, A4, A5, A6, A7)
- Broadfield Farm, Rayne (A9)

## Key Points

- Total Yield 22.35mt
- 50% of identified sand and gravel reserves
- All preferred sites scored within 47 and 41 points (lowest score of any site 29)

**West:** 4 Sites with Total Yield 8.21mt; 18% of identified sand & gravel reserves

**East:** 7 Sites with a Total Yield 13.91mt; 31% of identified sand & gravel reserves

# This Consultation

- MDD Preferred Approach is **not** the final version
- Comments will influence the content of the Draft Submission version, due out in Dec 2011
- Changes are anticipated to the MDD in response to the points raised
- Status of 'Preferred Sites'

# Consultation questions

Do you agree with the:

- Overarching Spatial Strategy?
  - Site selection methodology?
  - Sites selected?
  - Sites NOT selected?
- 
- If not, why not?
  - How might the plan be improved?

# MDD Preferred Approach Consultation

**Consultation Period:** Until 17 February 2011

View **and** respond online at:

[www.essex.gov.uk/MDD](http://www.essex.gov.uk/MDD)

By email: [mineralsandwastepolicy@essex.gov.uk](mailto:mineralsandwastepolicy@essex.gov.uk)

By post: Minerals and Waste Planning, ESH,  
Essex County Council, County Hall,  
Chelmsford CM1 1QH

## **Drop in Session:**

Great Leighs Village Hall – 2 Feb 2011 11:30am to 6:30pm

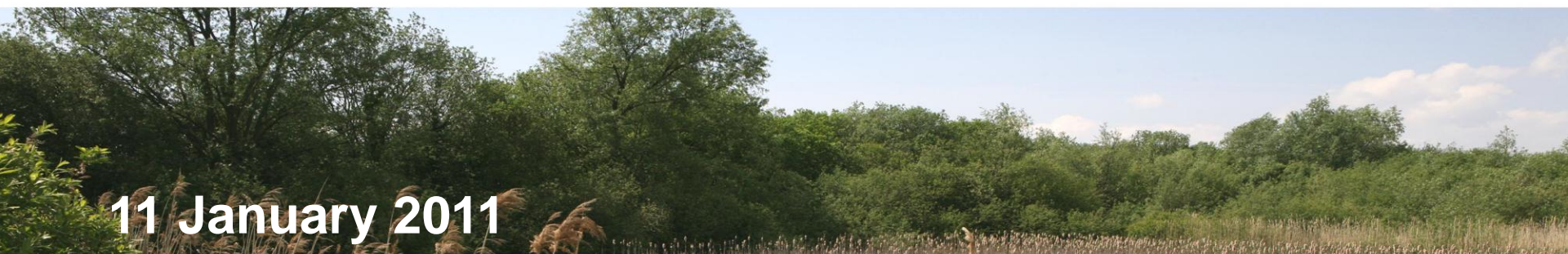
## **MDD Workshop**

at venues in Colchester, Chelmsford and Braintree – Open to all





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