

Just-in-Time

Delivery workflow between
the two BL sites

Andy Appleyard – Head of Operations, North

British Library locations

LIBRARY
HS1
LIBR

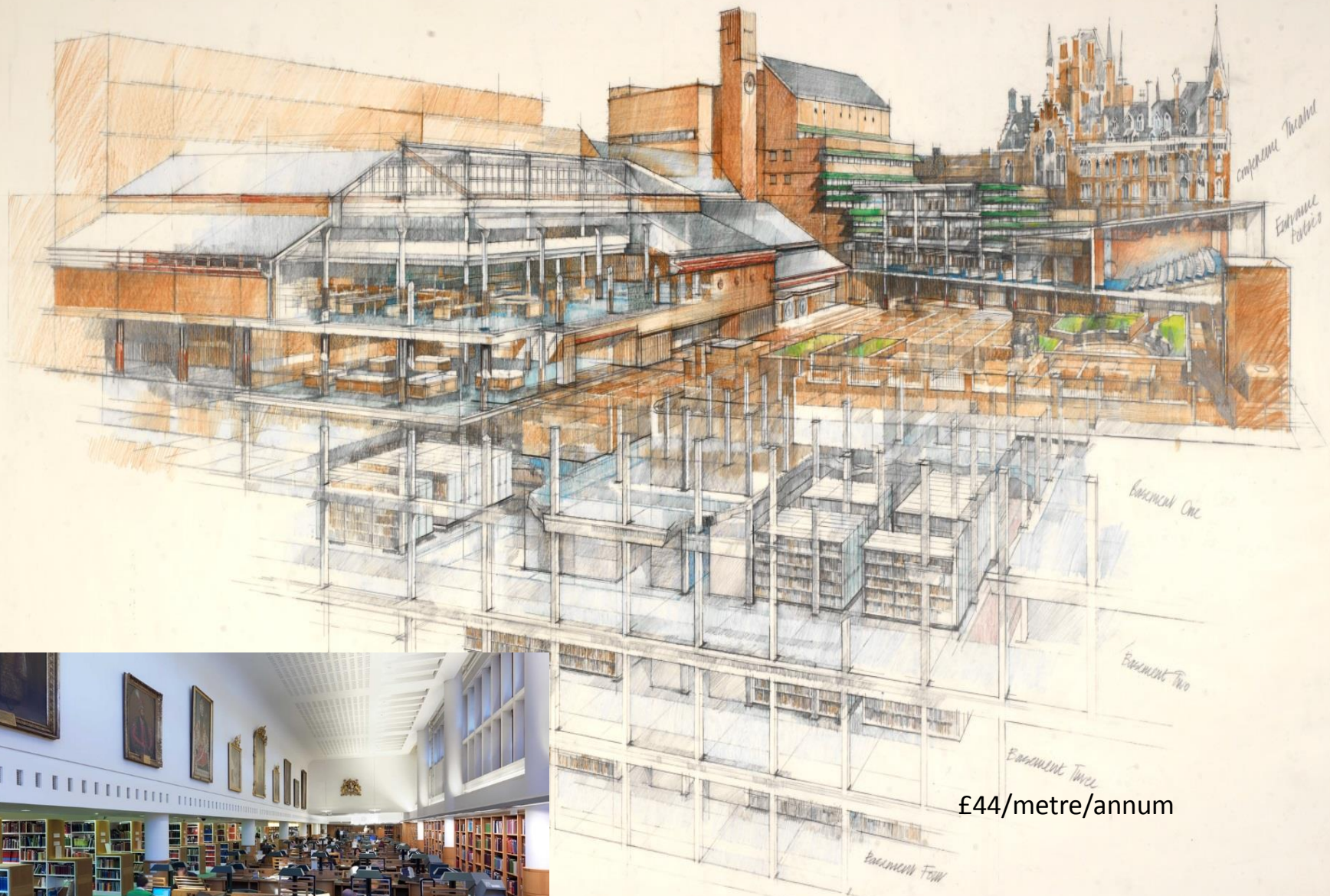


Boston Spa
Yorkshire

St Pancras
London

 24 hrs

The St Pancras Site 1997 - Total storage 275 linear km



£44/metre/annum

11 Reading Rooms
1.5m requests pa

Reader "User Journey" (1) – online ordering

Explore the British Library

Explore Home Feedback Basket Request Other Items My Reading Room Requests Help

Main catalogue Our website Explore Further

riding broncos Everything in this catalogue Advanced search

11 results for Everything in this catalogue Sort by: relevance

1 **Riding buffaloes and broncos : rodeo and native traditions in the northern Great Plains / Allison Susan Fuss, 1970-**
Book
Norman : University of Oklahoma Press, 2003.

Details [I want this](#)

Which of the options below can I use?

Deliver item to

- The British Library's Reading Rooms (for registered Readers only) [Go](#)
- My Home or Office [Go](#)

NB : You need to be a registered Reader in order to request items to a Reading Room
Our website has information on registering and help with requesting.
NB: Readers wishing to order to their home or office must also be registered for our On Demand service. You can register via My Account.

This option allows anyone to order copies. Copyright charges may apply. See our website for more information on On Demand and help with ordering.

Feedback

- Problems or Comments? Complete the Feedback Form [Go](#)

Actions

Reader selects from BL online catalogue

BRITISH LIBRARY

EXPLORE THE BRITISH LIBRARY

Basket

[Explore the British Library](#) [Basket](#) [Help](#)

NB: Delivery times for the Boston Spa Reading Room are 48+ hours and may differ from those shown below

Item details	Date required	Availability	Delivery time	Deliver to
<input checked="" type="checkbox"/> m03/26160 Riding buffaloes and broncos : rodeo and native traditions in the northern Great Plains / Allison Susan Fuss. / Fuss, Allison Susan,	30/11/2019	Item is available for ordering	48+ hours	RARE BOOKS & MUSIC
<input type="checkbox"/> MFM.MLD4 Daily Mirror. 1904-1997	14/11/2019	Availability unknown Check now	70 mins	Select item

[Parts reserved](#)

Add delivery date and Reading Room.

If in BSP, routes the order to the Warehouse Management System (WMS)

BRITISH LIBRARY

EXPLORE THE BRITISH LIBRARY

Item Details

[Explore the British Library](#) [Item Details](#) [Help](#)

NB: Delivery times for the Boston Spa Reading Room are 48+ hours and may differ from those shown below

Title Riding buffaloes and broncos : rodeo and native traditions in the northern Great Plains / Allison Susan Fuss.

Author(s) Fuss, Allison Susan,

Item holdings [\[View\]](#)

Shelfmark	Availability	Delivery time	Select
m03/26160	Item is available for ordering	48+ hours	<input checked="" type="radio"/>

48 hr delivery. Adds to basket.

BRITISH LIBRARY

MY READING ROOM REQUESTS

Track your current requests and view your order history

bl.uk > My Reading Room Requests Home > Requests

Welcome Brian Sherwood.

Please logout when you have finished using this service.

Current requests Older requests Unsuccessful requests

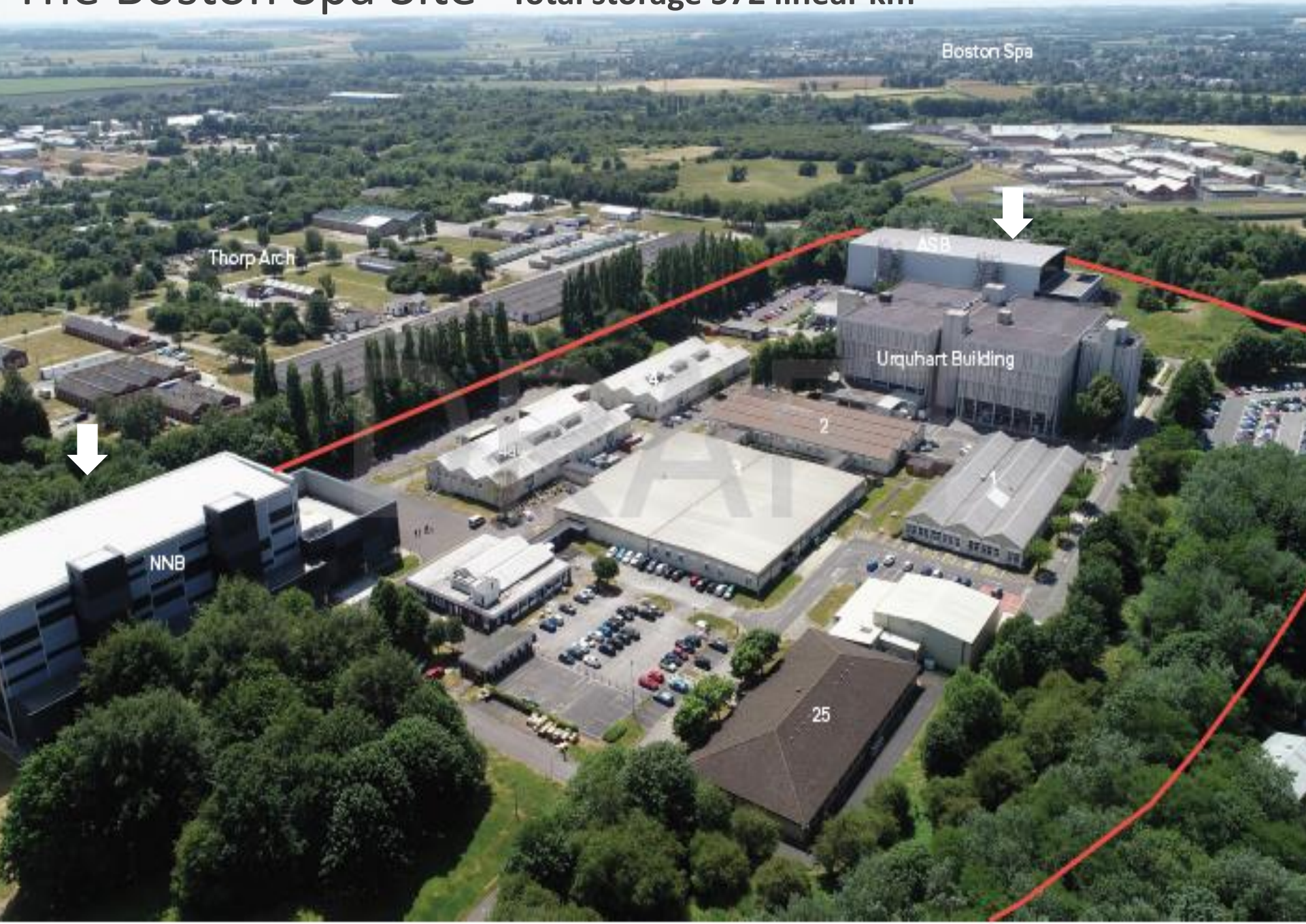
Request 1 of 1 Click column headings to sort requests

Title	Author	Shelfmark	Year Vol	Notes Status	Deliver to	Date required
Riding buffaloes and broncos : rodeo and native traditio...	Fuss, Allison Susan,	m03/26160	2003	Request submitted	RARE BOOKS & MUSIC	30 Nov 2019

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Track request in Order History.

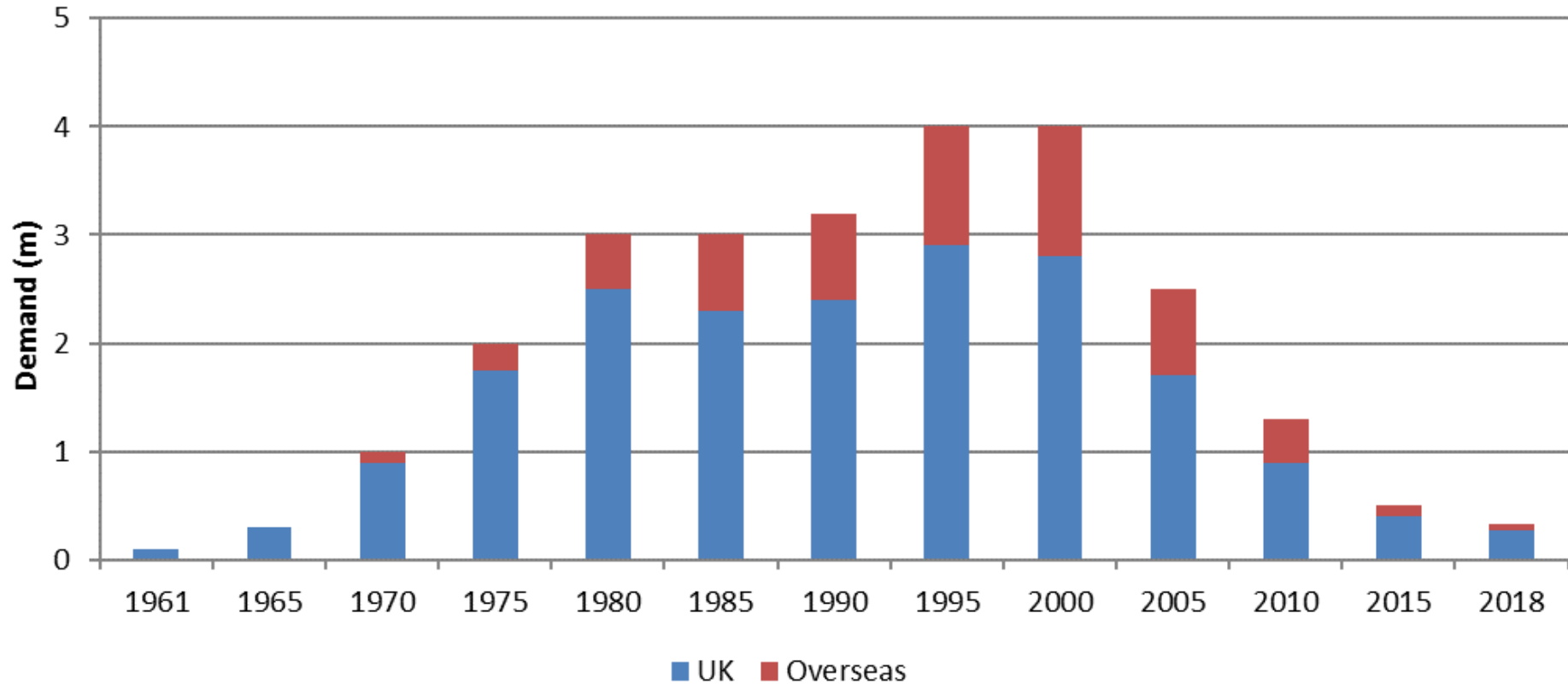
The Boston Spa Site - Total storage 572 linear km





Document Supply Demand

British Library Document Supply Demand



1st High Density Automated Storage Building (ASB) - 2009



2009 (265 lin km) – Automated, low oxy and high density



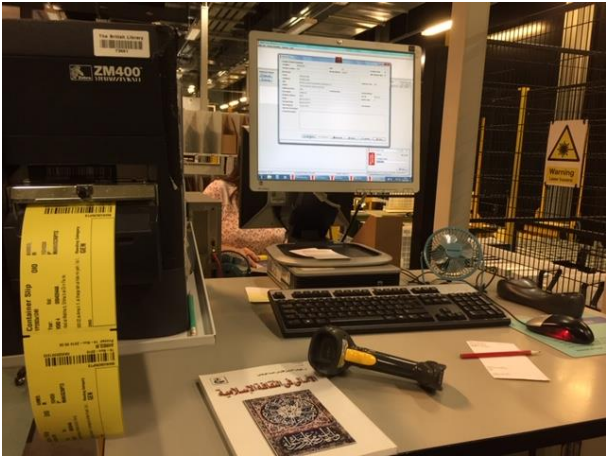


Key Facts – The Building

1. Total capacity 262km – 7 Million items in 140,504 double deep container locations.
2. Building separated into 2 compartments by a fire wall.
3. Racking 21m high, 7 aisles of racking each with a crane (2 load handlers to allow 3 containers to be moved at a time).
4. 6 Work Stations for Collection load and Retrieval.
5. Temperature Controlled 16 degrees +/- 1degree and humidity Controlled 52% +/- 5%
6. Low Oxygen environment 15% O² +/- 0.1% (The reduced oxy environment is created by adding nitrogen).



Reader “User Journey” (2) – retrieval



Staff select item from the queue in WMS and retrieve



Tote with item required presented to work station.



The robotic crane retrieves the plastic “tote” from 1 of the 2 voids.

The tote is presented to the workstation.



Tote bar code linked to each item. Operator selects item and bar code wands – item and ticket.

Reader “User Journey” (3) – retrieval – 24 hours



Placed on trolley, end shift moved to Despatch Bay.



Decanted to relevant Reading Room box, then moved to Loading Dock.



Despatched overnight (with items from other areas of the site) to St Pancras London, arrive early morning.



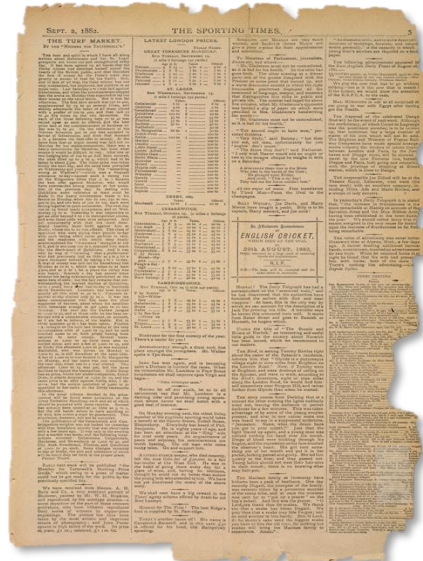
Moved to relevant Reading Room for reader to collect.

2nd High Density Automated Storage Building (NNB) - 2016



Newspapers (750m pages)

Previously stored in London (conventional building) with access via original on-site



2016 (40 lin km) – Automated, low oxy and high density



High Bay: 24m high storage

High Density: fits 89,000 400mm high stacks of newspaper volumes





Reader “User Journey” (4) – Newspapers



Digital copy?

Y



Click through to digital

BL on-site access free in STP and BSP Reading Rooms

N



Micro film copy?

Y



Order microfilm

Primary access digital surrogate, then microfilm.

N



Print fit for use?

Y



Order physical copy

10 orders per reader, per day.
24 hr delivery from NSB to STP or BSP Reading Room.

N



Routine access not given to ‘Unfit’ material



BL Boston Spa – part of the community



School visits



Leeds Digital Festival



The Future – Boston Spa campus masterplan

- New 3rd high density store for BL purposes, possibly with “fresh air” repurposed for 3rd party rental until needed.
- Older buildings repurposed for 3rd party occupancy (and/or temporary non-archival storage).
- Increased physical storage to provide 25 years growth.
- Upgrade to 1970s building and staffing operations centralised. Modernised and improved staff facilities.



Thank you

Any questions?



Andy Appleyard

Andy.Appleyard@bl.uk

www.bl.uk