

JBA TRUST LIMITED
UNAUDITED
FINANCIAL STATEMENTS

31 OCTOBER 2023

(A company limited by guarantee)

JBA TRUST LIMITED
(A company limited by guarantee)

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JBA TRUST LIMITED

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**REFERENCE AND ADMINISTRATIVE DETAILS OF THE COMPANY, ITS TRUSTEES AND ADVISERS
FOR THE YEAR ENDED 31 OCTOBER 2023**

Trustees

Rob Lamb, JBA (Managing Director)

Jeremy Benn, JBA

Jim Hall, University Professor

Keith Beven, University Professor Emeritus

Nick Russell, Independent Financial Consultant

Joanne Coles, Senior Advisor (Appointed 3 September 2023)

Peter Jimack, University Professor (Appointed 3 September 2023)

Company registered number

07840801

Charity registered number

1150278

Registered office

1 Broughton Park, Old Lane North, Broughton, Skipton, North Yorkshire, BD23 3FD

Company secretary

C Robson

Independent examiners

Armstrong Watson Audit Limited, Number 3, Acorn Business Park, Airedale Business Centre, Skipton, North Yorkshire, BD23 2UE

JBA TRUST LIMITED
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TRUSTEES' REPORT
FOR THE YEAR ENDED 31 OCTOBER 2023

The Trustees present their annual report together with the financial statements of the company for the 1 November 2022 to 31 October 2023. The Trustees confirm that the Annual Report and financial statements of the company comply with the current statutory requirements, the requirements of the company's governing document and the provisions of the Statement of Recommended Practice (SORP), applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) (effective 1 January 2015) as amended by Update Bulletin 1 (effective 1 January 2015).

GOING CONCERN

The financial statements have been prepared on the going concern basis. This is based on the continued financial support of its sponsors and creditors, which is confirmed at regular intervals, allied to the maintenance of a robust reserves policy.

TRUSTEES' RESPONSIBILITIES STATEMENT

The Trustees (who are also directors of JBA Trust Limited for the purposes of company law) are responsible for preparing the Trustees' report and the financial statements in accordance with applicable law and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice).

Company law requires the Trustees to prepare financial statements for each financial year. Under company law the Trustees must not approve the financial statements unless they are satisfied that they give a true and fair view of the state of affairs of the charitable company and of the incoming resources and application of resources, including the income and expenditure, of the charitable company for that period. In preparing these financial statements, the Trustees are required to:

- select suitable accounting policies and then apply them consistently;
- observe the methods and principles in the Charities SORP;
- make judgments and accounting estimates that are reasonable and prudent;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the charitable company will continue in operation.

The Trustees are responsible for keeping adequate accounting records that are sufficient to show and explain the charitable company's transactions and disclose with reasonable accuracy at any time the financial position of the charitable company and enable them to ensure that the financial statements comply with the Companies Act 2006. They are also responsible for safeguarding the assets of the charitable company and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

This report was approved by the Trustees, on 23/05/2024 and signed on their behalf by:

Rob Lamb
Rob Lamb (May 23, 2024 10:35 GMT+1)

Rob Lamb, Managing Director of JBA Trust

Director's Report

I am delighted to present the annual report for our financial year November 2022 to October 2023. The JBA Trust has continued to offer valuable support for the creation, sharing and application of knowledge about risks and resilience around the water cycle.

This year we have renewed many partnerships and created new ones. We prioritised engagement activities that involve working in depth with others to achieve change and connect with groups relatively under-represented in sectors and disciplines most relevant to our work. Interest in our physical demonstration models and supporting resources continues to grow, with the demand exceeding our capacity. So, we have begun to establish a community of practice around the demonstration models by mapping the network of people and organisations who have built similar models, used our designs or developed similar expertise independently.

Our support for research spread over many projects. This year we helped 11 doctoral researchers and 10 people undertaking other postgraduate studies.

Seven peer-reviewed scientific publications were produced from research we supported. We also dedicated significant time to help our network of academic partners secure new funding for research and training across a range of scientific and technical disciplines. In total, we worked with more than 10 university groups to lend support to their proposals for doctoral training or research funds.

As a corporate foundation, most of our resources are donated by our sponsors, the JBA Group of companies. We have now facilitated more than 36,000 hours of work by JBA colleagues to help share their knowledge and expertise. On behalf of the trustees I thank those colleagues and the many partners with whom we have worked collaboratively, helping us to deliver on our charitable objectives.

Rob Lamb
Rob Lamb (May 23, 2024 10:35 GMT+1)

Rob Lamb, Managing Director

Date: 23/05/2024



Our purpose and activities

1 JBA Trust is a charity established and funded by the JBA Group of companies. We aim to help improve people's resilience to environmental risks by sharing knowledge. We do this by enabling research, education and engagement.

We work with academic researchers, NGOs, charities and the JBA Group of companies in four key areas:

- Facilitating collaboration between academia and industry to deliver high quality scientific research.
- Publishing and disseminating knowledge, enabling shared understanding and good practice.
- Supporting post-graduate training by providing technical expertise and financial bursaries for MSc and PhD studentships.
- Engaging with schools, charities and voluntary groups to share inspiration and learning resources.

This annual report reviews the activities of the JBA Trust over the past year and how our work has delivered public benefit.



Science and research

2

We facilitate collaboration between academia and industry to deliver high quality scientific research. By publishing and communicating research outputs, we enable knowledge exchange and share best practice.

Collaborative research

In 2022-23 we worked with universities, research institutions, public sector and charitable organisations. The highlights and outputs of our collaborative research projects are summarised below.

Support for Centres for Doctoral Training (CDTs)

In 2022, the UK government announced significant new investment in the provision of high quality, cohort-based doctoral education through Centres for Doctoral Training (CDTs).

The Engineering and Physical Sciences Research Council (EPSRC) is committing up to £324 million to support approximately 40 CDTs across the engineering and physical science landscape. The Natural Environment Research Council (NERC) is committing over £10 million to support four CDTs to tackle the most challenging environmental science issues including flood management and freshwater quality.

We worked closely with university partners to support the co-development of centres that focus on the themes of flood and climate resilience, uncertainty and risk, and the underpinning data science that supports evidence-led decision making. As well as helping to identify knowledge gaps and needs within these themes, we aim to support the successful CDTs through PhD sponsorship and placement provision.

UK Flood Hydrology Roadmap

The flood hydrology roadmap is a 25-year vision and plan to advance all aspects of flood hydrology in the United Kingdom. It was developed with inputs from more than 270 individuals from 50 organisations working in hydrology, flood management and related topics.

We have supported the roadmap project since it started in 2018 through membership of its steering group and by contributing to publications and presentations. This year, as delivery of the roadmap picked up pace, we have supported it by:

- chairing the newly-formed roadmap Science and Technical Advisory Group, which met for the first time in January 2023 and three more times over the reporting year
- providing support to the roadmap's governance board on behalf of the advisory group
- delivering a joint CIWEM/British Hydrological Society webinar about the roadmap, part of the CIWEM Flood Resilience series, on 21 June 2023

Research outputs	Type	Link
Flood Hydrology Roadmap update	Webinar	https://www.youtube.com/watch?v=iJiRI4O6r4Y

Abrupt Wave Front floods

'Abrupt wave front' floods (AWF), also known as flash floods, describe an extremely rapid rate of rise in water level and discharge. They are a significant hazard to river users and are caused by extreme rainfall events on steep upland catchments which can then move downstream for tens of kilometres.

The characteristics and downstream transmission of AWF floods are described and analysed in a paper published in Hydrology Research by Samuel Watkiss and David Archer. The paper combines research undertaken by Sam whilst at the University of Leeds, and work by David Archer. We supported Sam for part of his placement year and dissertation.

Historical data for events in Pennine catchments in northern England were extracted from the [British Chronology of Flash Floods](#), a freely available resource hosted by JBA Trust.

Research outputs	Type	Link
The characteristics of 'abrupt wave front' floods on Pennine catchments and their transmission downstream	Journal paper	https://doi.org/10.2166/nh.2023.126

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Wet Canopy Evaporation

This research is a collaboration with the Fluid Dynamics Centre for Doctoral Training (CDT) at the University of Leeds, with input from Barry Hankin at JBA Consulting and the NERC Q-NFM project team at Lancaster Environment Centre.

We supported a team of MRes students in the Fluid Dynamics CDT to investigate the plausibility of high rates of wet canopy evaporation during heavy rainfall events and possible implications for tree planting as a type of natural flood management. The MRes team developed an outreach demonstrator model to help explain the concepts in the project.

Retention time tool

One of the strategies for natural flood management in the UK is the use of in-stream barriers to retain water during flood events. We have published and updated a web page containing a spreadsheet tool to link leaky barrier structural design to backwater volume and increase in retention time, allowing exploration of the impact of varying barrier and channel structural parameters during the design phase or for the post-hoc evaluation of existing barriers.

The tool was developed by Elizabeth Follett, Royal Academy of Engineering Research Fellow at Liverpool University, and our trustee Keith Beven.

Research outputs	Type	Link
Leaky barrier retention time tool	Spreadsheet and webpage	<u>Leaky barrier retention times for Natural Flood Management interventions</u>

Doctoral research projects

Our collaboration with universities across the UK enables us to support graduate researchers (research students) working on doctoral projects to develop advanced skills and deliver high quality research that helps enhance the understanding of a wide range of risks in the environment. We support doctoral researchers through a variety of programmes including doctoral training centres funded by UK Research and Innovation (UKRI).

This year, we were delighted to see another of our graduate researchers, Georgios Sarailidis, successfully complete his PhD.

Information about all our PhD projects can be found at: <https://www.jbatrust.org/funding-and-support/early-career-researchers/>

PhD project outputs

We are pleased to be able to share this year's outputs from the projects, including peer reviewed publications.

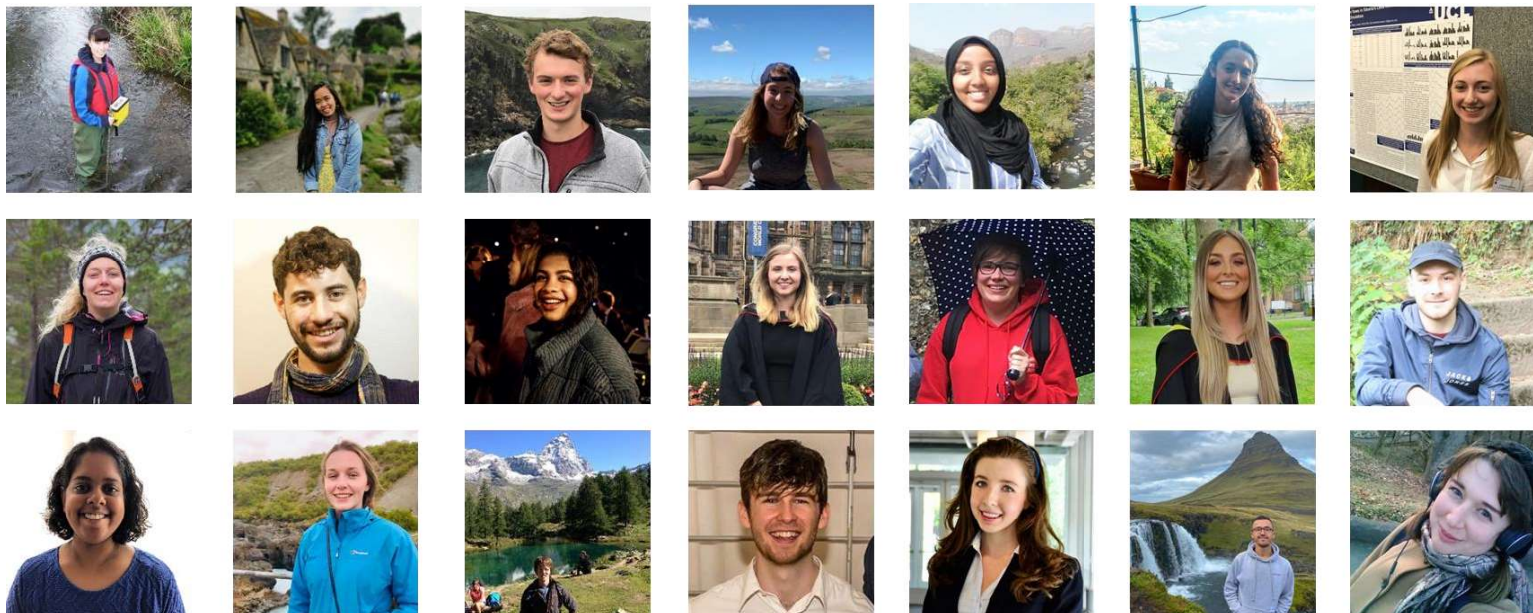
- Helen Hooker, studying at Reading University, published her first paper in the Journal of Hydrology on 'Analysis of 2D inundation patterns to identify skilful scales of comparison'. The paper is available at: <https://doi.org/10.1016/j.jhydrol.2022.128170>
Helen also published an article on our website that aimed to make the academic concepts in her journal paper more accessible to a wider audience. The article discusses how earth observation data can identify flooded areas and is available here: [Improving forecast flood maps using earth observation data : JBA Trust](#)
- Luke Jenkins, studying at the University of Southampton, published his first paper in Natural Hazards on 'The temporal clustering of storm surge, wave height, and high sea level exceedances around the UK coastline'. The paper is available at: <https://link.springer.com/article/10.1007/s11069-022-05617-z>
- Jake Grainger, who has completed his PhD at Lancaster University, published a paper on how statistical approaches can help estimate directional ocean wave models. The paper is available at: <https://doi.org/10.1093/jrssc/qlad006>
- [Zora van Leeuwen, who has completed her PhD at the University of Leeds, published two papers on how leaky dams in upland catchments can affect flood hydrology. The papers are available at: <https://doi.org/10.1016/j.jhydrol.2023.130448> and <https://doi.org/10.1016/j.jhydrol.2023.130449>](#)



Research publications

- 3** During the year, we supported and co-authored studies published as papers in peer-reviewed scientific journals.

Title and link	Journal	Authors	Status
<u>The temporal clustering of storm surge, wave height, and high sea level exceedances around the UK coastline</u>	Natural Hazards	LJ Jenkins, ID Haigh, P Camus, D Pender, J Sansom, J, R Lamb & H Kassem.	Published
<u>The characteristics of ‘abrupt wave front’ floods on Pennine catchments, northern England, and their transmission downstream</u>	Hydrology Research	S Watkiss & D Archer.	Published
<u>Using physical models to improve geographical learning</u>	Teaching Geography	B Brady, K Suter, R Lamb & A Scott.	Published
<u>A multivariate pseudo-likelihood approach to estimating directional ocean wave models</u>	J. Royal Statistical Society Series C: Applied Statistics	JP Grainger, AM Sykulski, K Ewans, HF Hansen, P Jonathan	Published
<u>Assessing the spatial spread–skill of ensemble flood maps with remote-sensing observations</u>	Natural Hazards and Earth System Sciences	H Hooker, S Dance, D Mason, J Bevington & K Shelton.	Published
<u>Quantifying the natural flood management potential of leaky dams in upland catchments, Part I: A data-based modelling approach</u>	Journal of Hydrology	Z.R. van Leeuwen, M.J. Klaar, M.W. Smith, L. Brown	Accepted
<u>Quantifying the natural flood management potential of leaky dams in upland catchments, Part II: Leaky dam impacts on flood peak magnitude</u>	Journal of Hydrology	Z.R. van Leeuwen, M.J. Klaar, M.W. Smith, L. Brown	Accepted



Support for students in higher education

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There are many academic subjects that generate the knowledge and understanding needed to manage risks in our environment. Whilst undergraduate courses such as Geography and Environmental or Physical Sciences are important, the relevant specialist training often comes into greater focus at postgraduate (PGCert, Masters or doctoral) level. We therefore emphasise support for students and projects at this level.

The British Hydrological Society, JBA Trust and Environment Agency Studentship Awards

In 2022-23 we continued our partnership established in 2011 with the British Hydrological Society (BHS) and the Environment Agency to support students working towards MSc (or equivalent level) qualifications in hydrology, water resources, catchment management and other related subjects. We awarded bursaries of £2,500 and have now made awards to 107 students at 25 different UK universities since 2011.

We also asked recipients of the bursaries about what difference the awards had made:

“The award definitely made postgraduate education more accessible to me.”

“I wouldn't have been able to do my MSc without your financial support and wouldn't be where I am today without it – to this day your support means a lot!”

“Without this Scholarship, I would not have been able to complete my course.”

“It allowed me to go to my first-choice university.”

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Applications for these bursaries were managed using the web-based system that we developed in 2014 and have maintained since. This continued to work well and enabled us to coordinate the assessment process with the BHS and Environment Agency effectively.

We continue to collect information on equality, diversity and inclusion (EDI) as part of the application process. The aim is to build an understanding of the diversity of recipients, alongside the partners' ambitions to ensure that the awards are inclusive.

Flood and Coastal Risk Management Scholarships

The challenges of more frequent extreme weather and new flood risk responsibilities mean that there is a growing need for skilled water and environmental risk management professionals. This year we continued our support by funding two scholarships for Lancaster University's Flood and Coastal Risk Management Postgraduate Certificate course.

“ Working for The Rivers Trust, I'm involved in projects across the country looking to implement natural flood management at scale. I chose to apply for the course to enhance my understanding of flood and coastal risk management.

Thanks to the support of JBA Trust, I can study whilst still being able to work on these projects. I hope to apply what I learn during the course through my work with the Rivers Trust Movement, taking an evidence-based approach to mitigating flood risk and improving the health and resilience of our catchments.

The course will help towards achieving our shared goals, offering the opportunity to combine theory with practical application for the benefit of communities and catchments alike. ”

- Tom Gall, 2023 PGCert Scholarship recipient

Masters projects

We help to provide MSc (or equivalent degree level) students with placements, technical expertise and access to software resources and case study data, as well as offering a platform for them to share highlights from their research projects. The students we help have gained insight into how methodologies and techniques are applied in industry and have an opportunity to see how they will be able to use their skills in a future career.

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In 2022-23, we supported George Williams, who was studying Sustainability and Consultancy at the University of Leeds. George's research aimed to improve understanding of the number and location of culverts that may be acting as a barrier to fish passage. With our help as a facilitator, George also supported Ben Bluck's PhD research at Southampton, providing benefit to both students.

Summer Internship

This summer we hosted Katie Russell, an Environmental Sciences MSc student, for a 5-week internship to develop a comprehensive database that shares spatial information about published academic research on Natural Flood Management (NFM) or coastal nature-based solutions. Katie processed a database of 791 journal papers and technical reports, published between 2017 and 2023, and extracted location data, metrics of scale and research meta-data from each paper.

We aim to make this available as an online mapping resource to help practitioners and the academic community to easily identify and visualise the locations (e.g. river catchments, field sites) where data and published research are available.



Learning and engagement

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We support a wide range of activities aimed at encouraging students at schools and universities to develop or enhance their interests in water and environmental management, which could also ultimately lead them to pursue careers in the field. Our learning and engagement activities also extend to the wider community, and to flood risk management professionals.

In 2022-23, [we worked with many different organisations to develop learning resources and deliver activities to support engagement and education.](#)

Public engagement in resilience and flood risk

This year, we chose to develop partnerships with organisations that have strong relationships with local communities or have a well-established outreach and engagement track record. This approach helped us target our resources more effectively and enabled us to reach more diverse communities.

We supported the **Rochdale Science Extravaganza** in March 2023, a free event that provided a wide range of science, technology, engineering, art and maths (STEAM) activities for the whole community. Organised by the Rochdale Science Initiative and Bangladesh Association and Community Project (BACP), the theme of 'Climate Change and Sustainability' brought together scientists, researchers, artists and others with an aim of inspiring and encouraging people to explore science and to consider their part in creating a sustainable future. Over 1,460 people attended the event, and visitors used our augmented reality sandbox to explore flood risk and see how climate change might affect flooding in future.

We also supported the **London Science Museum 'Science on a Sphere'** exhibition this summer in partnership with volunteers from the Environment Agency. Our volunteers used our augmented reality sandbox to explore climate change, resilience and flood risk. During the 20-day exhibition the museum welcomed 227,354 visitors. Over 6,400 people engaged with the volunteers, activities and demonstrations, and 78% of the people who left feedback will take action on flood risk or climate change based on their experience at the exhibition.

Supporting STEM in schools

This year, we worked with the Transpennine STEM Ambassador Hub on a STEM Interventions project that enabled us to build a programme of engagement with **Carlton School in Keighley**, a local school that had identified the need for additional STEM support. The STEM Ambassador network funded training for our volunteers, delivered by the Science Museum Group Academy, to help them develop session content relating to sustainability and climate change for Key Stage 3 students.

We delivered a full day of careers and coastal risk management sessions to over 200 geography students at **St Ambrose Barlow RC High School in Salford**. Our volunteers talked to Year 9 students about careers in flood risk management and demonstrated the wave tank to show how effective different types and combinations of coastal defences are at preventing overtopping and flood risk.

As part of a 'Water Risks' themed day at **Ermysted's Grammar School in Skipton**, we worked with the University of Nottingham and North Yorkshire Fire and Rescue Service to deliver interactive sessions about water and flood risk management. The Year 8 students used our hands-on physical models (the PARM, wave tank and river flume) to understand how water behaves in the environment and how to stay safe in and around rivers.

Industrial Cadets

In July 2023 we hosted 31 Industrial Cadets who joined us as part of a week of STEM related work experience with Yorkshire Water. We hosted the group with JBA Consulting at their Saltaire offices and explored flood risk, water safety, fish passage, river engineering and environmental engineering and sustainability careers as well as visiting Salts Mill weir fish pass.

Water safety

Since we partnered with North Yorkshire Fire and Rescue Service and Hydrotec to build a specific water safety flume in 2022, we have helped other fire services and water safety charities to source or create their own water safety flumes. So far, we have shared our designs and learning resources with fire and rescue teams in Leicestershire, London, West Yorkshire, South Yorkshire, Cheshire, North Cumbria, Surrey, Tees, Lancashire, Greater Manchester, Bury, Oregon and Richmond, USA.

In October 2023, we offered our Big River Flume to the London Fire Brigade to be used to demonstrate water safety in a proposed new 'Water Safety Centre of Excellence' based in Twickenham in partnership with the RNLI.

CityZen

We worked with the Institute of Civil Engineering's Engagement and Inspiration Team again this year to support the CityZen competition by joining the panel of judges. CityZen focuses on developing the infrastructure for a town within the context of climate change, flood risk and sustainability. The game helps engage students aged 16–18 with civil engineering, as well as helping develop important skills for work and study, such as problem-solving, teamwork, critical thinking and communication. The final award is based on a video submission by the teams. This year, [more than 190 schools took part, with](#) the awards being announced in March 2024.

Digital learning resources

Our digital learning resources have elements of engineering, maths and geography included in each topic in the context of flood risk, water management, weather and climate. They are packaged by age group and include videos, worksheet activities, case studies and exercises.

All our learning resources can be accessed and downloaded at: www.jbatrust.org/learning-resources/

Sharing experience

This year we published a paper on '[Using physical models to improve geographical learning](#)' in the Teaching Geography journal to highlight how teachers could incorporate physical model into their practice.

Physical models

Our physical models of catchments, rivers and coasts enable us to bring to life topics including flood risk, coastal and river engineering and nature-based solutions.

Our collection includes four different sized hydraulic river flumes, four wave tanks, an augmented reality sandbox and a Projection Augmented Relief Model (PARM).



Building our reach and enabling knowledge exchange

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Digital engagement

Our website (www.jbatrust.org) enables people to easily access all our publications and educational resources, as well as find information about JBA Trust and our research projects. It continues to help us deliver our charitable objectives of sharing best practice and supporting engagement and education.

In 2022-23 we received 105 direct enquiries about research support, our physical models, bursaries and scholarships and support for educational activities and events.

JBA Trust's [YouTube channel](#) hosts all our video resources and we now have over 54,000 subscribers. Across all social media platforms, our videos have received over 35 million views.

We also use [Twitter](#) and [LinkedIn](#) to publicise research outputs, new resources, publications or scholarships and awards.

Global reach

This year we responded to over 66 requests from around the world for support and assistance from people who, having seen our physical model and weather station resources, would like to build their own or set up their own educational project. The contacts came through social media or our website [contact](#) pages.

By sharing factsheets and detailed specifications for our models, we aim to enable people to create their own educational resources to support their communities and raise awareness of flood risk management. In some cases, we have established an on-going dialogue with people who have approached us to help them with their own projects. We have helped high school and college students, university researchers, teachers and private individuals.

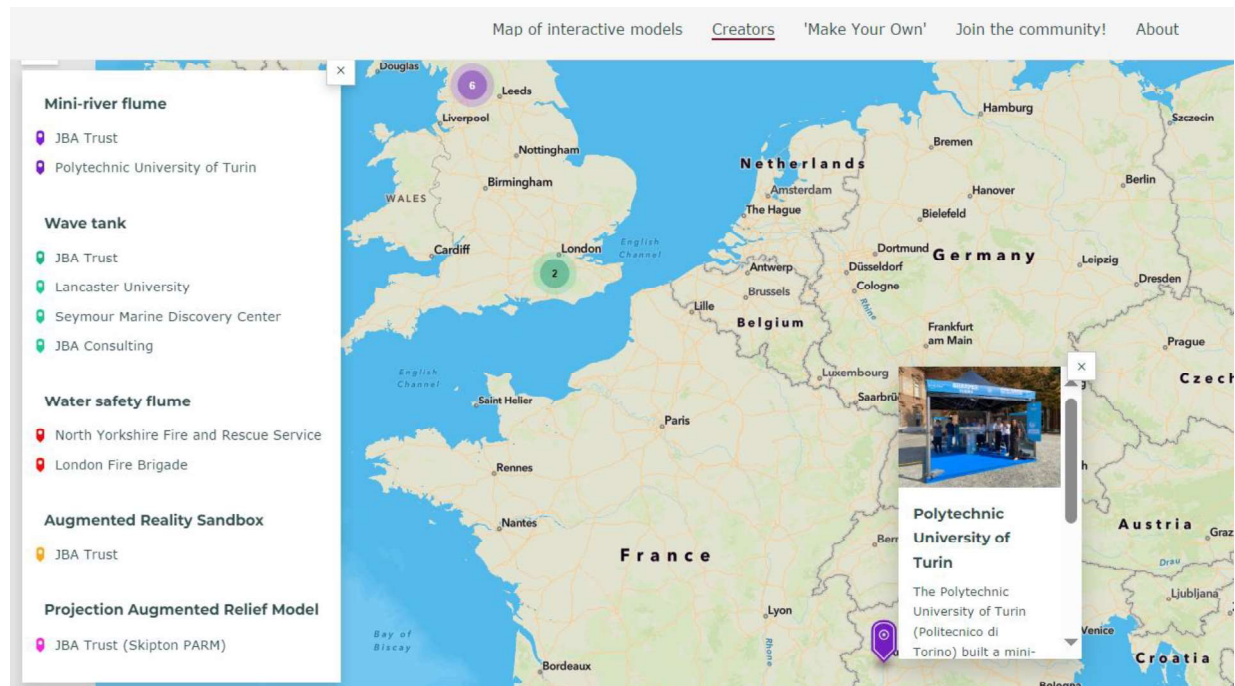
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Interactive models: Community of Practice

We are developing an online map to support a 'Community of Practice' for people who use physical models of water to support education and engagement. The maps show where and how interactive models are being used across the globe and are designed to help the community share ideas, knowledge and inspiration to support education and outreach activities.

The interactive map is available to view here: <https://arcg.is/fbDf80>





Structure, governance and management

- 7** JBA Trust is a company limited by guarantee and is governed by its Memorandum and Articles of Association. It was incorporated on 9 November 2011.

Directors and trustees

We were delighted to welcome two new trustees, Joanne Coles and Peter Jimack, to our board in September 2023. The Trustees serving during the year were as follows:

Trustees Rob Lamb, JBA (Managing Director of JBA Trust)

Jeremy Benn, JBA

Jim Hall, Oxford University

Keith Beven, Lancaster University (emeritus)

Nick Russell, Independent financial consultant

Joanne Coles, Environment Agency

Peter Jimack, University of Leeds

Secretary Craig Robson

Governance

The trustees review the activities of JBA Trust every six months to ensure that they are focused on supporting the purpose of the charity. The review also considers the strategic direction of the charity and considers how planned activities will contribute to public benefit.

We have referred to the guidance contained in the Charity Commission's general guidance on public benefit when reviewing our aims and objectives and in planning our future activities.

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Appointment of trustees

On incorporation of the JBA Trust, the Board of Trustees was appointed by invitation.

To preserve independence of the JBA Trust from JBA Group companies, which provide part of its core funding, the JBA Trust's Articles of Association stipulate that the number of trustees connected to or employed by JBA Group shall always be less than half of the total number of trustees appointed at any given time.

The trustees are not remunerated (other than payment to cover travel and accommodation costs where required for JBA Trust business).

Trustee induction and training

Periodically, the trustees meet and are briefed on their legal obligations under charity and company law, updates to the Charity Commission's guidance on public benefit, the content of the Memorandum and Articles of Association and the JBA Trust business plan.

Organisation

The Board of Trustees meets every six months and is responsible for the strategic direction and policy of the charity. A Managing Director is appointed by the trustees to manage the day-to-day operations of the charity and is supported by a Programme Manager.

Risk management

The trustees have a risk management strategy which comprises:

- An annual review of the risks the charity may face
- Policies and procedures in place to mitigate those risks
- Plans in place to minimise the impact of the risks should they materialise.

The principal risk to JBA Trust is financial sustainability. This is mitigated by having a robust reserves policy and a clear financial plan which is reviewed and subsequently approved by the trustees at the start of the financial year.

JBA Trust adopts policies and procedures from our host, the JBA Group, which are externally validated where applicable. These include policies on: Health and Safety; Energy Use; Environment; Sustainability; Social Responsibility; Equality and Diversity.

Association of Charitable Foundations

As a member of the Association of Charitable Foundations (ACF), we support their vision of diverse, vibrant and effective foundations, working together for social good. We utilise the ACF's Stronger Foundations Initiative resources, in particular the ['10 pillars of stronger practice for smaller foundations'](#), to inform our strategy and help enhance our effectiveness.

Financial review

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The principal funding source for JBA Trust is JBA Group dividends. JBA Trust also aims to leverage funding for research projects by supporting partners in applying for funding from external organisations, for example UK Research and Innovation (UKRI) grants awarded to university partners for PhD studentships. We also generate a small amount of additional income from hiring out our physical models for use by commercial organisations. Personal donations are processed through an online giving platform that enables Gift Aid to be claimed efficiently.

Reserves Policy

Reserves are required to minimise the financial risks associated with the unlikely event of unplanned or unforeseen expenditure. The JBA Trust maintains sufficient reserves to cover all contractually committed expenditure or liabilities and operating costs for one year.

Plan for future periods

JBA Trust anticipates continued long-term funding from JBA Group. To ensure that the charity maximises the value of its income in carrying out its activities, the strategic plan focuses on continuing to seek match funding for research projects from funding bodies, including Universities and Research Councils. In the future JBA Trust may also wish to generate an income by licensing datasets, results or models generated by research.

The trustees declare that they have approved the Trustees Report above.

Rob Lamb

Rob Lamb (May 23, 2024 10:35 GMT+1)

On behalf of the trustees

Rob Lamb, Managing Director of JBA Trust

Date: 23/05/2024

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INDEPENDENT EXAMINER'S REPORT FOR THE YEAR ENDED 31 OCTOBER 2023

INDEPENDENT EXAMINER'S REPORT TO THE TRUSTEES OF JBA TRUST LIMITED (the 'company')

I report to the charity Trustees on my examination of the accounts of the company for the year ended 31 October 2023.

This report is made solely to the company's Trustees, as a body, in accordance with Part 4 of the Charities (Accounts and Reports) Regulations 2008. My work has been undertaken so that I might state to the company's Trustees those matters I am required to state to them in an Independent examiner's report and for no other purpose. To the fullest extent permitted by law, I do not accept or assume responsibility to anyone other than the company and the company's Trustees as a body, for my work or for this report.

RESPONSIBILITIES AND BASIS OF REPORT

As the Trustees of the company (and its directors for the purposes of company law) you are responsible for the preparation of the accounts in accordance with the requirements of the Companies Act 2006 ('the 2006 Act').

Having satisfied myself that the accounts of the company are not required to be audited under Part 16 of the 2006 Act and are eligible for independent examination, I report in respect of my examination of the company's accounts carried out under section 145 of the Charities Act 2011 ('the 2011 Act'). In carrying out my examination I have followed the Directions given by the Charity Commission under section 145(5)(b) of the 2011 Act.

INDEPENDENT EXAMINER'S STATEMENT

I have completed my examination. I can confirm that no matters have come to my attention in connection with the examination giving me cause to believe:

1. accounting records were not kept in respect of the company as required by section 386 of the 2006 Act; or
2. the accounts do not accord with those records; or
3. the accounts do not comply with the accounting requirements of section 396 of the 2006 Act other than any requirement that the accounts give a 'true and fair' view which is not a matter considered as part of an independent examination; or
4. the accounts have not been prepared in accordance with the methods and principles of the Statement of Recommended Practice for accounting and reporting by charities [applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102).

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I have no concerns and have come across no other matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the accounts to be reached.

Signed: Armstrong Watson Audit Limited
Armstrong Watson Audit Limited (May 23, 2024 10:39 GMT+1)

Dated: 23/05/2024

Rohan Day FCA

Armstrong Watson Audit Limited
Number 3
Acorn Business Park
Airedale Business Centre
Skipton
North Yorkshire
BD23 2UE

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**STATEMENT OF FINANCIAL ACTIVITIES INCORPORATING INCOME AND EXPENDITURE ACCOUNT
FOR THE YEAR ENDED 31 OCTOBER 2023**

	Note	Unrestricted funds 2023 £	Total funds 2023 £	Total funds 2022 £
INCOME FROM:				
Donations and legacies	2	152,257	152,257	180,789
Investments	3	<u>3,685</u>	<u>3,685</u>	<u>3,775</u>
TOTAL INCOME		<u>155,942</u>	<u>155,942</u>	<u>184,564</u>
EXPENDITURE ON:				
Charitable activities	4,5,6	<u>217,214</u>	<u>217,214</u>	<u>223,464</u>
TOTAL EXPENDITURE		<u>217,214</u>	<u>217,214</u>	<u>223,464</u>
NET EXPENDITURE BEFORE OTHER RECOGNISED GAINS AND LOSSES		(61,272)	(61,272)	(38,900)
NET MOVEMENT IN FUNDS		(61,272)	(61,272)	(38,900)
RECONCILIATION OF FUNDS:				
Total funds brought forward		<u>238,904</u>	<u>238,904</u>	<u>277,804</u>
TOTAL FUNDS CARRIED FORWARD		<u><u>177,632</u></u>	<u><u>177,632</u></u>	<u><u>238,904</u></u>

The notes on pages 6 to 13 form part of these financial statements.

JBA TRUST LIMITED

(A company limited by guarantee)
 REGISTERED NUMBER: 07840801

BALANCE SHEET
AS AT 31 OCTOBER 2023

	Note	£	2023 £	2022 £
FIXED ASSETS				
Tangible assets	9		9,063	2,124
CURRENT ASSETS				
Debtors	10	-		29,800
Cash at bank and in hand		179,976	231,086	
		179,976	260,886	
CREDITORS: amounts falling due within one year	11	(11,407)	(24,106)	
NET CURRENT ASSETS			168,569	236,780
NET ASSETS			177,632	238,904
CHARITY FUNDS				
Unrestricted funds	12		177,632	238,904
TOTAL FUNDS			177,632	238,904

The company's financial statements have been prepared in accordance with the provisions applicable to companies subject to the small companies regime.

The Trustees consider that the company is entitled to exemption from the requirement to have an audit under the provisions of section 477 of the Companies Act 2006 ("the Act") and members have not required the company to obtain an audit for the year in question in accordance with section 476 of the Act.

The Trustees acknowledge their responsibilities for complying with the requirements of the Companies Act 2006 with respect to accounting records and the preparation of financial statements.

The financial statements have been prepared in accordance with the provisions applicable to companies subject to the small companies regime and in accordance with the provisions of FRS 102 Section 1A - small entities.

The financial statements were approved and authorised for issue by the Trustees on 23/05/2024 and signed on their behalf, by:

Rob Lamb
 Rob Lamb (May 23, 2024 10:35 GMT+1)

R Lamb
Director

The notes on pages 6 to 13 form part of these financial statements.

JBA TRUST LIMITED

(A company limited by guarantee)

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 OCTOBER 2023

1. ACCOUNTING POLICIES

1.1 Basis of preparation of financial statements

The financial statements have been prepared in accordance with Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) (effective 1 January 2015) - (Charities SORP (FRS 102)), the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) and the Companies Act 2006.

JBA Trust Limited meets the definition of a public benefit entity under FRS 102. Assets and liabilities are initially recognised at historical cost or transaction value unless otherwise stated in the relevant accounting policy.

The principal activity of the company is to enhance understanding and management of risks in the water environment by enabling research, education and training.

The company is a company limited by guarantee incorporated and domiciled in the United Kingdom.

These financial statements have been presented in Pound Sterling as this is the currency of the primary economic environment in which the company operates.

1.2 Company status

The company is a company limited by guarantee. The members of the company are the Trustees named on page 1. In the event of the company being wound up, the liability in respect of the guarantee is limited to £10 per member of the company.

1.3 Going concern

The financial statements have been prepared on the going concern basis. This is based on the continued financial support of its sponsors and creditors, which is confirmed at regular intervals, allied to the maintenance of a robust reserves policy.

1.4 Income

All income is recognised once the company has entitlement to the income, it is probable that the income will be received and the amount of income receivable can be measured reliably.

Donated services or facilities are recognised when the company has control over the item, any conditions associated with the donated item have been met, the receipt of economic benefit from the use of the company of the item is probable and that economic benefit can be measured reliably. In accordance with the Charities SORP (FRS 102), the general volunteer time of the Friends is not recognised and refer to the Trustees' report for more information about their contribution.

On receipt, donated professional services and donated facilities are recognised on the basis of the value of the gift to the company which is the amount the company would have been willing to pay to obtain services or facilities of equivalent economic benefit on the open market; a corresponding amount is then recognised in expenditure in the period of receipt.

Income tax recoverable in relation to donations received under Gift Aid or deeds of covenant is recognised at the time of the donation.

Income tax recoverable in relation to investment income is recognised at the time the investment income is receivable.

JBA TRUST LIMITED

(A company limited by guarantee)

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 OCTOBER 2023

1. ACCOUNTING POLICIES (continued)

1.5 Expenditure

Expenditure is recognised once there is a legal or constructive obligation to transfer economic benefit to a third party, it is probable that a transfer of economic benefits will be required in settlement and the amount of the obligation can be measured reliably. Expenditure is classified by activity. The costs of each activity are made up of the total of direct costs and shared costs, including support costs involved in undertaking each activity. Direct costs attributable to a single activity are allocated directly to that activity. Shared costs which contribute to more than one activity and support costs which are not attributable to a single activity are apportioned between those activities on a basis consistent with the use of resources. Central staff costs are allocated on the basis of time spent, and depreciation charges allocated on the portion of the asset's use.

Support costs are those costs incurred directly in support of expenditure on the objects of the company and include project management carried out at Headquarters. Governance costs are those incurred in connection with administration of the company and compliance with constitutional and statutory requirements.

Charitable activities and Governance costs are costs incurred on the company's educational operations, including support costs and costs relating to the governance of the company apportioned to charitable activities.

Grants payable are charged in the year when the offer is made except in those cases where the offer is conditional, such grants being recognised as expenditure when the conditions attaching are fulfilled. Grants offered subject to conditions which have not been met at the year end are noted as a commitment, but not accrued as expenditure.

1.6 Tangible fixed assets and depreciation

A review for impairment of a fixed asset is carried out if events or changes in circumstances indicate that the carrying value of any fixed asset may not be recoverable. Shortfalls between the carrying value of fixed assets and their recoverable amounts are recognised as impairments. Impairment losses are recognised in the Statement of financial activities incorporating income and expenditure account.

Tangible fixed assets are carried at cost, net of depreciation and any provision for impairment. Depreciation is provided at rates calculated to write off the cost of fixed assets, less their estimated residual value, over their expected useful lives on the following bases:

Plant and machinery	-	25% straight line
Motor vehicles	-	25% straight line
Equipment	-	25% straight line

1.7 Interest receivable

Interest on funds held on deposit is included when receivable and the amount can be measured reliably by the company; this is normally upon notification of the interest paid or payable by the Bank.

1.8 Debtors

Trade and other debtors are recognised at the settlement amount after any trade discount offered. Prepayments are valued at the amount prepaid net of any trade discounts due.

JBA TRUST LIMITED

(A company limited by guarantee)

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 OCTOBER 2023

1. ACCOUNTING POLICIES (continued)

1.9 Cash at Bank and in hand

Cash at bank and in hand includes cash and short term highly liquid investments with a short maturity of three months or less from the date of acquisition or opening of the deposit or similar account.

1.10 Liabilities and provisions

Liabilities are recognised when there is an obligation at the Balance sheet date as a result of a past event, it is probable that a transfer of economic benefit will be required in settlement, and the amount of the settlement can be estimated reliably. Liabilities are recognised at the amount that the company anticipates it will pay to settle the debt or the amount it has received as advanced payments for the goods or services it must provide. Provisions are measured at the best estimate of the amounts required to settle the obligation. Where the effect of the time value of money is material, the provision is based on the present value of those amounts, discounted at the pre-tax discount rate that reflects the risks specific to the liability. The unwinding of the discount is recognised within interest payable and similar charges.

1.11 Fund accounting

General funds are unrestricted funds which are available for use at the discretion of the Trustees in furtherance of the general objectives of the company and which have not been designated for other purposes.

2. INCOME FROM DONATIONS AND LEGACIES

	Unrestricted funds 2023 £	Total funds 2023 £	<i>Total funds 2022 £</i>
Donated services	155,372	155,372	148,352
Donations	26,334	26,334	31,648
Sales	1,830	1,830	789
Other income	(31,279)	(31,279)	-
	<hr/>	<hr/>	<hr/>
Total donations and legacies	<u>152,257</u>	<u>152,257</u>	180,789
	<hr/>	<hr/>	
<i>Total 2022</i>	<u>180,789</u>	<u>180,789</u>	

Donated services are provided by the trading subsidiaries of JBA Group Limited and are valued at standard chargeable rates.

JBA TRUST LIMITED

(A company limited by guarantee)

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 OCTOBER 2023**

3. INVESTMENT INCOME

	Unrestricted funds 2023 £	Total funds 2023 £	<i>Total funds 2022 £</i>
Interest received	<u>3,685</u>	<u>3,685</u>	<u>3,775</u>
<i>Total 2022</i>	<u><u>3,775</u></u>	<u><u>3,775</u></u>	

4. ANALYSIS OF GRANTS

	Grants to Institutions 2023 £	Grants to Support Activities 2023 £	Total 2023 £	<i>Total 2022 £</i>
Grants, Activities undertaken	<u>21,200</u>	<u>111,698</u>	<u>132,898</u>	<u>162,331</u>
<i>Total 2022</i>	<u><u>27,080</u></u>	<u><u>135,251</u></u>	<u><u>162,331</u></u>	

	2023 £	<i>2022 £</i>
Grants to institutions	21,200	27,080
Research projects	30,112	32,806
Project pipeline development	18,608	19,732
Training projects	62,795	82,713
Seminars	183	-
Total	<u><u>132,898</u></u>	<u><u>162,331</u></u>

JBA TRUST LIMITED

(A company limited by guarantee)

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 OCTOBER 2023

5. SUPPORT COSTS

	Activities undertaken £	Total 2023 £	Total 2022 £
Sub-Contractors associates	49,800	49,800	31,731
Sundry expenses	(1,962)	(1,962)	774
Communication and website	17,133	17,133	13,982
Computer consumables and software licences	324	324	1,149
Motor and travel expenses	10,097	10,097	3,306
Office costs	25	25	4,218
Insurance	512	512	470
Legal and professional	124	124	-
Depreciation	4,479	4,479	3,217
	<u>80,532</u>	<u>80,532</u>	<u>58,847</u>
<i>Total 2022</i>	<u>58,847</u>	<u>58,847</u>	

During the year ended 31 October 2023, the company incurred the following Governance costs:

£NIL (2022 - £NIL) included within the table above in respect of Activities undertaken directly.

£NIL (2022 - £NIL) included within the table above in respect of Support costs.

6. GOVERNANCE COSTS

	Unrestricted funds 2023 £	Total funds 2023 £	Total funds 2022 £
Accountancy fees	3,410	3,410	2,244
Bank charges	374	374	42
	<u>3,784</u>	<u>3,784</u>	<u>2,286</u>

7. NET INCOME/(EXPENDITURE)

This is stated after charging:

	2023 £	2022 £
Depreciation of tangible fixed assets: - owned by the charity	<u>4,479</u>	<u>3,217</u>

During the year, no Trustees received any remuneration (2022 - £NIL).

During the year, no Trustees received any benefits in kind (2022 - £NIL).

During the year, no Trustees received any reimbursement of expenses (2022 - £NIL).

JBA TRUST LIMITED

(A company limited by guarantee)

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 OCTOBER 2023

8. EMPLOYEES

The company has no employees other than the Trustees, in both the current and previous year.

9. TANGIBLE FIXED ASSETS

	Plant and machinery £	Motor vehicles £	Equipment £	Total £
Cost				
At 1 November 2022	37,189	20,100	1,607	58,896
Additions	<u>11,418</u>	<u>-</u>	<u>-</u>	<u>11,418</u>
At 31 October 2023	<u>48,607</u>	<u>20,100</u>	<u>1,607</u>	<u>70,314</u>
Depreciation				
At 1 November 2022	35,065	20,100	1,607	56,772
Charge for the year	<u>4,479</u>	<u>-</u>	<u>-</u>	<u>4,479</u>
At 31 October 2023	<u>39,544</u>	<u>20,100</u>	<u>1,607</u>	<u>61,251</u>
Net book value				
At 31 October 2023	<u>9,063</u>	<u>-</u>	<u>-</u>	<u>9,063</u>
At 31 October 2022	<u>2,124</u>	<u>-</u>	<u>-</u>	<u>2,124</u>

10. DEBTORS

	2023 £	2022 £
Other debtors	-	1,000
Prepayments and accrued income	-	28,800
	<u>-</u>	<u>29,800</u>

11. CREDITORS: Amounts falling due within one year

	2023 £	2022 £
Trade creditors	8,691	3,896
Other creditors	566	18,342
Accruals and deferred income	2,150	1,868
	<u>11,407</u>	<u>24,106</u>

JBA TRUST LIMITED

(A company limited by guarantee)

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 OCTOBER 2023**

12. STATEMENT OF FUNDS

STATEMENT OF FUNDS - CURRENT YEAR

	Balance at 1 November 2022 £	Income £	Expenditure £	Balance at 31 October 2023 £
Unrestricted funds				
General Funds	238,904	158,421	(217,344)	179,981
Other General funds	-	(2,479)	130	(2,349)
	<u>238,904</u>	<u>155,942</u>	<u>(217,214)</u>	<u>177,632</u>

STATEMENT OF FUNDS - PRIOR YEAR

	Balance at 1 November 2021 £	Income £	Expenditure £	Balance at 31 October 2022 £
General Funds	<u>277,804</u>	<u>184,564</u>	<u>(223,464)</u>	<u>238,904</u>
Total of funds	<u>277,804</u>	<u>184,564</u>	<u>(223,464)</u>	<u>238,904</u>

13. ANALYSIS OF NET ASSETS BETWEEN FUNDS

ANALYSIS OF NET ASSETS BETWEEN FUNDS - CURRENT YEAR

	Unrestricted funds 2023 £	Total funds 2023 £
Tangible fixed assets	9,063	9,063
Current assets	179,976	179,976
Creditors due within one year	(11,407)	(11,407)
	<u>177,632</u>	<u>177,632</u>

ANALYSIS OF NET ASSETS BETWEEN FUNDS - PRIOR YEAR

	Unrestricted funds 2022 £	Total funds 2022 £
Tangible fixed assets	2,124	2,124
Current assets	265,534	265,534
Creditors due within one year	(28,754)	(28,755)
	<u>238,904</u>	<u>238,903</u>

JBA TRUST LIMITED

(A company limited by guarantee)

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 OCTOBER 2023**

14. RELATED PARTY TRANSACTIONS

Included within debtors, amounts falling due within one year is an amount of £Nil (2022 - £19,685) due from JBA Risk Management Limited. During the year, donations were received from JBA Risk Management Limited of £26,334 (2022 - £31,648).

During the year, donated services were received from Jeremy Benn Associates Limited of £153,666 (2022 - £148,352).

Both JBA Risk Management Limited and Jeremy Benn Associates Limited are under common control by virtue of the shareholdings and trusteeship of J R Benn.











JBA Trust Limited - Documentation for signing 2023-10-31

Final Audit Report

2024-05-23

Created:	2024-05-02
By:	Natalie Bunney (natalie.bunney@armstrongwatson.co.uk)
Status:	Signed
Transaction ID:	CBJCHBCAABAALPci_eZPhHPedXBmnMcE3RKt4AI_2v5V

"JBA Trust Limited - Documentation for signing 2023-10-31" History

-  Document created by Natalie Bunney (natalie.bunney@armstrongwatson.co.uk)
2024-05-02 - 07:58:55 GMT- IP address: 85.118.13.137
-  Document emailed to rob.lamb@jbatrust.org for signature
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-  New document URL requested by louise.perry@jbagroup.co.uk
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2024-05-23 - 08:57:32 GMT- IP address: 80.194.116.67
-  Signer rob.lamb@jbatrust.org entered name at signing as Rob Lamb
2024-05-23 - 09:35:34 GMT- IP address: 80.194.116.67
-  Document e-signed by Rob Lamb (rob.lamb@jbatrust.org)
Signature Date: 2024-05-23 - 09:35:36 GMT - Time Source: server- IP address: 80.194.116.67
-  Document emailed to Rohan Day (rohan.day@armstrongwatson.co.uk) for signature
2024-05-23 - 09:35:38 GMT
-  Email viewed by Rohan Day (rohan.day@armstrongwatson.co.uk)
2024-05-23 - 09:38:11 GMT- IP address: 110.239.210.113



Signer Rohan Day (rohan.day@armstrongwatson.co.uk) entered name at signing as Armstrong Watson Audit Limited

2024-05-23 - 09:39:49 GMT- IP address: 85.118.13.137



Document e-signed by Armstrong Watson Audit Limited (rohan.day@armstrongwatson.co.uk)

Signature Date: 2024-05-23 - 09:39:51 GMT - Time Source: server- IP address: 85.118.13.137



Agreement completed.

2024-05-23 - 09:39:51 GMT