

Impact Announces Lake Hope HPA PFS and MRE

Impact Minerals (ASX: IPT)

Announced the positive results of a Preliminary Feasibility Study (PFS) for the Company's Lake Hope High Purity Alumina (HPA) Project, located 500 km southeast of Perth in the Tier 1 mining jurisdiction of Western Australia.

The PFS results align with those of the Scoping Study on the project released to the ASX on November 9th 2023.



Lake Hope drilling – Credits Impact Minerals



	Impact Minerals	ASX: IPT
	Stage	Exploration
	Metals	Gold, Silver, PGM's, zinc, copper
	Market cap	A\$23.3 m @ 0.006c
	Location	Queensland, NSW, Western Australia
	Website	www.impactminerals.com.au

Impact – Lake Hope HPA Pre-Feasibility Study and Maiden Ore Reserve

Released 16 Jun 25

LAKE HOPE RE-FEASIBILITY STUDY AND MAIDEN ORE RESERVE

Impact Minerals Limited (ASX:IPT) is pleased to announce the positive results of a Preliminary Feasibility Study (PFS) for the Company's Lake Hope High Purity Alumina (HPA) Project, located 500 km southeast of Perth in the Tier 1 mining jurisdiction of Western Australia. The PFS results align with those of the Scoping Study on the project released to the ASX on November 9th 2023.

The PFS highlights the project's exceptionally strong economics and outlines a pathway for Lake Hope to become a global supplier of low-cost, low-carbon HPA, benefiting both the local Ngadju Aboriginal Native title holders and the broader community.

The robust economics stem from the unique characteristics of the Lake Hope deposit, which facilitate cost-effective mining and processing.

The PFS confirms that, to the best of Impact's knowledge based on published data, the Lake Hope project could be among the lowest-cost producers of HPA globally, potentially by a significant margin of at least 30%.

Given these strong fundamentals, Impact will issue 120 million shares, escrowed for 12 months, to exercise its option to acquire an 80% interest in Playa One Pty Ltd, which owns the Lake Hope assets and intellectual property, including two patents for metallurgical processes (ASX Release March 21st 2023).

Work will now commence on a Definitive Feasibility Study (DFS), which will include the construction of a pilot plant to produce HPA samples at scale for discussions on offtake agreements. The pilot plant project, currently underway, will be part-funded by the recent federal government grant awarded to Impact Minerals in collaboration with CPC Engineering and Edith Cowan University (ASX Release October 22nd 2024).

Lake Hope PFS Summary

Highlights

- Very strong economic metrics and low-cost production:
NPV10 A\$1.165billion (with no by-product revenue)
- Capex A\$259 million
- Opex US\$5,860 per tonne excluding by-product credit
- Potential Opex of <US\$4,500 with by-product credit
- Maiden Probable and Proved Ore Reserve of:
1.7 Mt at 26% Al₂O₃ for 450,000 tonnes of contained Al₂O₃.
- Election to proceed to an 80% interest in Playa One Pty Ltd providing Impact with 80% ownership in the Lake Hope resource and intellectual property.
- Definitive Feasibility Study to commence with construction of pilot plant and investigation into the integration of Lake Hope with the HiPurA process.

Impact Minerals' Managing Director, Dr Mike Jones, said, “
“The Lake Hope PFS clearly demonstrates that Impact Minerals is now on the cusp of delivering a significant, low-cost and highly scalable HPA project.”

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[To read the full news release, please click HERE](#)

[To View Impact Minerals' historical news, please click here](#)

[Live metal prices can be found HERE](#)

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Disclosure

At the time of writing the author holds shares in Impact Minerals.

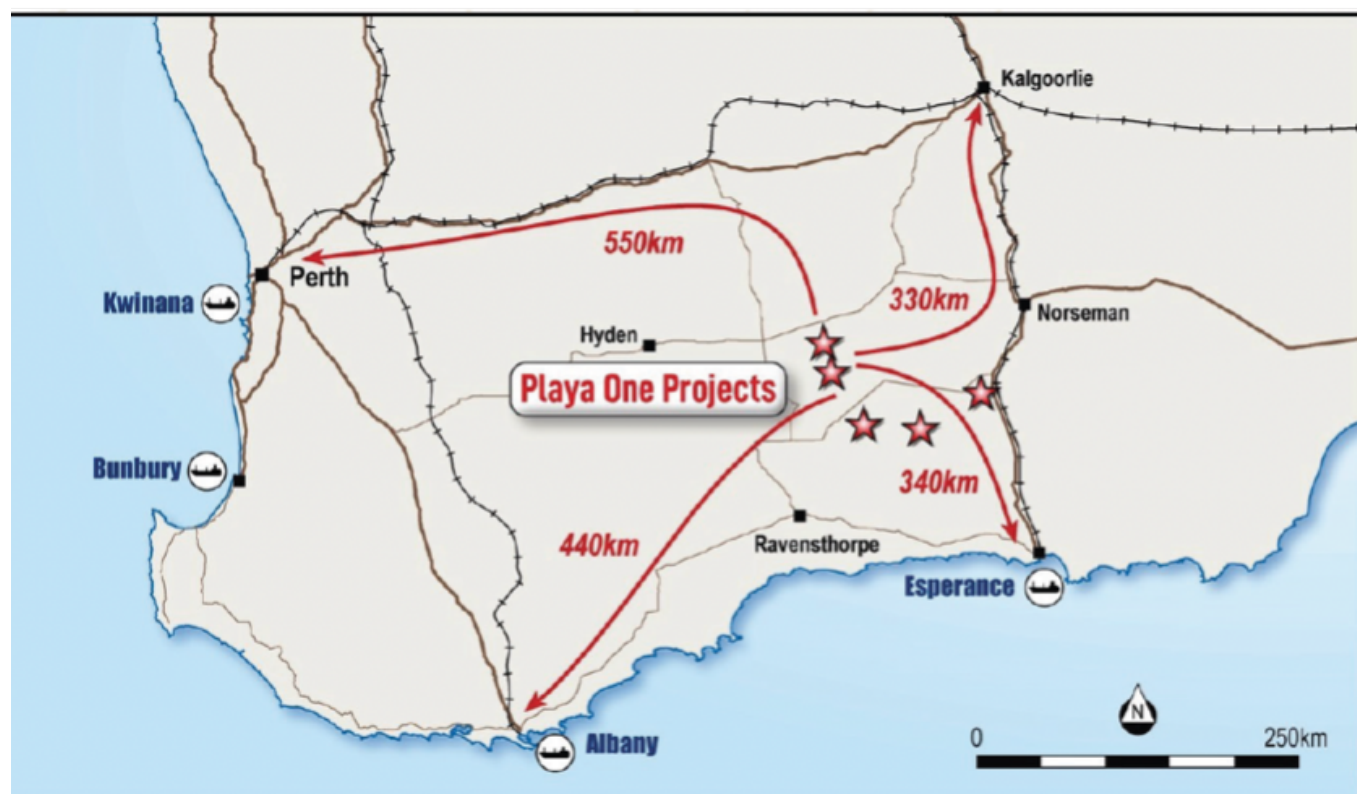
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Impact Minerals' Lake Hope HPA Project on Schedule

Impact Minerals (ASX: IPT)

Released an update for their Lake Hope High Purity Alumina (HPA) project.

Intermediate aluminium salts have been produced from Stage 3 that require further purification in Stages 4 and 5 to make HPA, with results expected by late this Quarter or early Q1 2024.



Impact Minerals	ASX: IPT
Stage	Exploration
Metals	Gold, Silver, PGM's, zinc, copper
Market cap	A\$39 m @ 0.014 c
Location	Queensland, NSW, Western Australia

Lake Hope HPA Project, WA: PFS and Metallurgical Test Work Update

- The Preliminary Feasibility Study is progressing on schedule, with significant progress made on the metallurgical test work to verify the proprietary and patented Playa One process that converts raw lake clay from Lake Hope into High Purity Alumina (HPA).
- Three of the Five Stages of the Playa One sulphate process have been completed with results that either confirm or improve upon previous results.
- Intermediate aluminium salts have been produced from Stage 3 that require further purification in Stages 4 and 5 to make HPA, with results expected by late this Quarter or early Q1 2024.
- **Other PFS progress includes:**
 - Environmental baseline studies are to commence in early

November.

- Statutory approvals (PoW) have been received for a geotechnical drill program, shallow water bores and a bulk sample program, which will all commence this Quarter.
- A meeting with the Western Australian Department of Mines, Industry and Safety Regulations is set for late October to discuss the lodgment of a Mining Lease application.
- Ongoing discussions with industry analysts, marketing representatives and end users have commenced to secure agreements for product testing.
- An independent review of the Lake Hope Scoping Study is nearly complete.

Impact Minerals' Managing Director, Dr Mike Jones, said,

"We continue progressing rapidly across the entire Pre-Feasibility Study on Lake Hope, particularly with the metallurgical test work.

"The test work has shown the Playa One Sulphate Process is straightforward and very effective in leaching the unique clays at Lake Hope.

"We are delighted with the results that have replicated or improved Playa One's previous work. We have zeroed in on the ideal process conditions to make HPA in quantity and are very focused on making improvements that will reduce processing costs.

"We aim to produce 99.99% or 4N HPA by early next year.

"Our work continues to highlight the competitive advantages of the unique mineral deposit at Lake Hope and its potential to become one of the lowest-cost producers of HPA globally.

"We look forward to releasing our Scoping Study shortly, following an independent review, which will give a first look at the economics of this exceptional project".

[To read the full news release, please click HERE](#)

If you need clarification of any information contained in this note, or have any questions, I will be delighted to assist – Please email andrew@city-investors-circle.com

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Impact Minerals MRE for Lake Hope, WA

Impact Minerals (ASX: IPT)

Announced a significant, substantial and high-grade maiden Mineral Resource Estimate for its flagship Lake Hope High Purity Alumina (HPA) Project located about 500 km east of Perth in Western Australia.



Impact Minerals	ASX: IPT
Stage	Exploration

Metals	Gold, Silver, PGM's, zinc, copper
Market cap	A\$39 m @ 0.014 c
Location	Queensland, NSW, Western Australia

Impact Minerals Limited (ASX:IPT) is pleased to announce a significant, substantial and high-grade maiden Mineral Resource Estimate (MRE) for its flagship Lake Hope High Purity Alumina (HPA) Project located about 500 km east of Perth in Western Australia.

Impact has the right to earn an 80% interest in Playa One Pty Ltd, owner of the Lake Hope Project, via an incorporated joint venture (ASX Release 21st March 2023).

Highlights

- Impact Minerals delivered a maiden MRE for its flagship Lake Hope HPA project in Western Australia
- The MRE reads 3.5 million tonnes at 25 per cent alumina for a contained 880,000 tonnes of alumina
- Around 775,000 tonnes, or 88 per cent of alumina, is in the higher confidence indicated resource category
- Impact Minerals' MRE gives it the assurance that Lake Hope will deliver high-margin, high-end products into a fast-growing global market.

IPT Managing Director Dr Mike Jones stated;

“The maiden MRE underpins the company’s quest to become one of the world’s lowest-cost producers of high-purity alumina.

“This unique resource could provide multi-decade delivery of a mineral product recently added to Australia’s critical mineral list.”

Impact reported that 88% of the resource, around 775,000 tonnes of alumina, is in the higher confidence indicated resource category.

The company hopes to bring Lake Hope into production, delivering high-margin end products into a fast-growing global market, with current prices for benchmark 4N HPA at about US\$20,000 per tonne.

To read the full news release,
please click [HERE](#)

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Impact Minerals HPA Story Interview

Impact Minerals (ASX: IPT)

Impact Minerals' MD Dr. Mike Jones, has given a new interview highlighting the prospects for their new, low cost , High Purity Aluminium (HPA) project, Lake Hope.

This has the potential to transform Impact, and be a company maker in it's own right.



Impact Minerals	ASX: IPT
Stage	Exploration
Metals	Gold, Silver, PGM's, zinc, copper, HPA
Market cap	A\$29 m @ 0.011 c
Location	Queensland, NSW, Western Australia

Impact Minerals HPA Story Interview

Impact Minerals (ASX: IPT)

Impact Minerals' MD Dr. Mike Jones, has given a new interview highlighting the prospects for their new, low cost , High Purity Aluminium (HPA) project, Lake Hope.

This has the potential to transform Impact, and be a company maker in it's own right.

**The interview with Dr. Mike Jones
can be accessed HERE**

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