

EX-CHINA CRITICAL MINERALS SUPPLY REGISTER · VOLUME 1

Tungsten

108 records. Nine mines.

Every mining asset outside China where tungsten is the primary commodity — counted, staged and attributed.

108

distinct records outside
China, in 20 countries

15

have reached pre-feasibility or
better

9

are operating mines — one
Chinese-controlled

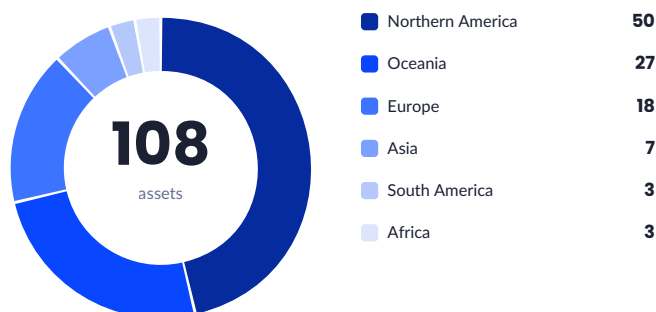
THE SHAPE OF IT

Four charts before the list

The register itself runs to 108 rows. These four views are what those rows add up to.

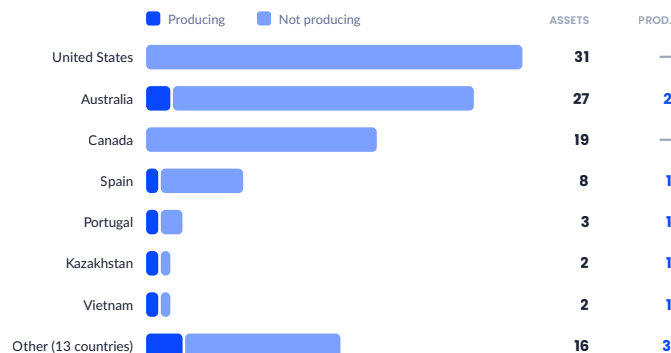
Where the assets are

108 tungsten records outside China, by region



Inventory versus output

Assets by country, and how many are producing

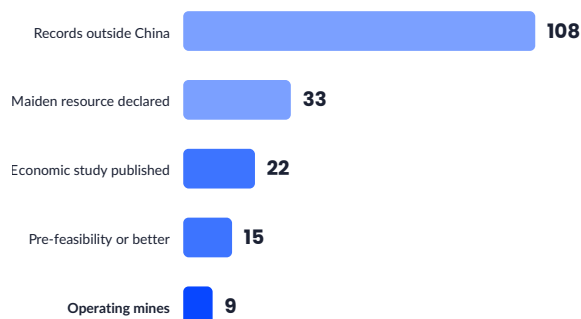


Thirteen further countries hold sixteen records between them; three are producing.

Northern America holds nearly half the inventory and none of the production.

From asset to mine

How many clear each stage gate



Each gate is a published milestone carried on the asset record, not an estimate.

How far along they are

Furthest stage reached, share of 108 records



Production phase covers 15 records — nine operating mines, four on care and maintenance, and two processing plants. A third plant sits at development stage.

WHY THIS REGISTER EXISTS

Western supply security has a counting problem

US defence procurement rules tighten on 1 January 2027 around certain tungsten materials connected to China, Russia, Iran and North Korea. Every buyer, financier and policy team working that deadline needs the same starting point: the list of assets that could plausibly supply them, and how far along each one actually is.

That list has not been published. So we counted it.

This register holds every asset outside China where tungsten is carried as the primary commodity, as at 31 July 2026 — **108 records across 20 countries**, with owner, ownership type, stage and status. Three of the 106 are processing facilities rather than mining properties, labelled as such. A further 441 assets outside China carry tungsten as a secondary or by-product commodity and are not listed here.

The count is deduplicated. Twelve child deposits whose parent is also on the list have been removed, and Bakuta and Boguty — one Kazakh mine previously entered twice — have been merged. Owners are taken from the current ownership layer rather than the legacy relation table, which reduced the rows carrying no attributed holder from 29 to 14.

WHAT THE COUNT SHOWS

108 records, nine mines

Counting assets alone flatters the picture. An asset is a name on a map; what matters is how far it has travelled toward producing a tonne of concentrate. Sixty-nine of the 106 records have never declared a maiden resource, and 46 are still at grassroots or drilling stage, the part of the lifecycle measured in decades. The United States holds the largest single-country inventory outside China, thirty-one records, and none are in production. Canada holds nineteen, with the same answer.

“Outside China” and “not Chinese” are different screens.

Boguty in Kazakhstan, one of the seven operating mines, sits under a two-layer Chinese ownership chain: Jiaxin International Resources Investment holds 97% of the operating entity through Aral-Kegen LLP, and Jiangxi Copper holds 30.11% of Jiaxin itself. Separately, Pulse carries a royalty interest over the Dolphin mine in Tasmania held by Hunan Nonferrous Metals, alongside Group 6 Metals as operator. An equity screen alone will not surface either. Run the first screen believing you have run the second and you will reach the wrong shortlist.

THE RECORD STRUCTURE

What the Pulse database holds on every asset

The register prints six columns because six columns is what a list can carry. Underneath, every asset in the corpus — these 108 and the other 24,758 — is built on the same ten layers, each field traced to the filing it came from.

01	Identity & location	Asset name, canonical name and aliases, country, province, district, coordinates, website, and the parent-and-child structure that tells you whether two rows are one project
02	Geology & deposits	Deposit type and subtype, named deposits and prospects, primary and by-product commodities, mine type, mining method, processing method, overburden thickness, shaft depth, and the tenement boundaries around the property
03	Ownership & interest	Every current and historic holder, interest percentage, operator versus non-operator role, joint-venture and earn-in terms, royalty and streaming interests, start and end dates, and the filing each relation was read from
04	Shareholders & people	PEOPLE CORPUS IN BUILD • Q3 2026 Beneficial and registered holders of the owning company, holder type, shareholding, register rank and as-of date, traced to the disclosure and page, including board and management interests. The people layer builds on those names: what each director and executive built before and how it ended; which other boards they sit on now; tenure and turnover around each appointment; which names recur across companies; and insider alignment against issued capital
05	Milestones & stage gates	First drilling, maiden resource, scoping, PEA, pre-feasibility, feasibility, FID, construction, first production, closure — each with its own date and its own proof document
06	Permits	Exploration, environmental, water, mining, processing and community gates, each with granted status, grant date, jurisdiction and proof. The gap between gates is usually the real timeline risk, and it is invisible on a stage label
07	Studies & economics	Every study version, not only the latest: study type, scenario label, base-case flag, effective and published dates, initial, sustaining, closure and total capital, pre- and post-tax NPV with the discount rate applied, IRR, mine life, payback, ownership basis, stated FX rate, and the price assumptions the study was struck on
08	Reserves, resources & production	Proven, probable, measured, indicated, measured-and-indicated and inferred quantities, grades and contained metal, by commodity, with cut-off grade, reporting standard, effective and published dates, ownership basis and interest fraction — and whether inclusivity, metal-equivalence, effective date and ownership basis were stated by the issuer or inferred. Get those flags wrong and two resources cannot be compared at all. Alongside: annual and quarterly production by commodity with unit costs, at asset and company level
09	Drilling	Hole codes and aliases, prospect, hole type, sampling type, drilling purpose, and collar position, azimuth and dip — the geometry that renders a hole in 3D rather than as a table. Every intercept carries depth from and to, interval, grade and unit, cut-off, true width, assay method, and whether it was flagged significant; duplicate reporting across publications is collapsed to one canonical intercept
10	Documents & provenance	The full filing history behind the asset, not only the current document: exchange announcements, SEDAR filings, technical reports, financial and corporate reports, presentations and company-website disclosure — each carrying source, content type, publication date and reporting standard, whether JORC, NI 43-101, S-K 1300, SAMREC or SPE-PRMS. Every value in the nine layers above is extracted from these documents, validated , and normalised to one structure so assets in different jurisdictions and standards can be compared — and each links back to the document, and usually the page, it came from

Six columns is what a list can carry. Ten layers is what a decision needs.

Which studies are stale, which permits are missing, who controls the ground behind the holding company, whether a resource is comparable to the one beside it, and who is running the business. None of that fits in a table, and all of it decides the answer.

THE REGISTER

Primary tungsten assets outside China

108 records, sorted by country then asset name. Producing mines shown in bold. "Unattributed" means no current holder is carried in the ownership layer queried, not that none exists publicly.

	ASSET	COUNTRY	OWNER	OWNERSHIP	STAGE	STATUS	SOURCE
1	Attunga Tungsten-Molybdenum Deposit	Australia	Peel Mining Ltd	Public	Resource definition	Not producing	Corpus
2	Big Hill Tungsten Project (Nullagine, WA)	Australia	Unattributed	—	Closed	Closed	Corpus
3	Bonya Tungsten-Copper Project (NT)	Australia	Arafura Rare Earths Ltd	Public	Resource definition	Not producing	Corpus
4	Cookes Creek Tungsten Project	Australia	eMetals Ltd	Public	Drilling	Not producing	Corpus
5	Deepwater Polymetallic Project	Australia	Terra Critical Minerals Ltd	Public	Drilling	Not producing	Corpus
6	Dolphin Tungsten Mine	Australia	Group 6 Metals Ltd	Public	Production	Producing	Corpus
7	Glen Eden Tungsten Project	Australia	Terra Critical Minerals Ltd	Public	Drilling	Not producing	Corpus
8	Hatches Creek Tungsten-Copper Project	Australia	Tungsten Mining NL	Public	Resource definition	Not producing	Corpus
9	Hill of Leaders Tungsten Project	Australia	Stelar Metals Ltd	Public	Drilling	Not producing	Corpus
10	Kilba Tungsten Project	Australia	Unattributed	—	Closed	Closed	Corpus
11	Koolyanobbing Tungsten-Lithium Project (WA)	Australia	Unattributed	—	Grassroots	Closed	Corpus
12	McHarg's Tungsten Project	Australia	Dart Mining NL	Public	Drilling	Not producing	Corpus
13	Minter Tungsten Project	Australia	Flagship Minerals Ltd	Public	Drilling	Not producing	Corpus
14	Molyhil Tungsten-Molybdenum Project	Australia	Thor Energy PLC	Public	Feasibility	Not producing	Corpus
15	Mt Carbine Tungsten Mine	Australia	EQ Resources Ltd	Public	Production	Producing	Corpus
16	Mt Mulgine Tungsten-Gold Project	Australia	Tungsten Mining NL	Public	Pre-feasibility	Not producing	Corpus

	ASSET	COUNTRY	OWNER	OWNERSHIP	STAGE	STATUS	SOURCE
17	O'Callaghans Tungsten-Base Metals Deposit (Telfer)	Australia	Greatland Gold PLC	Public	Development	Not producing	Corpus
18	Ruby Plains Polymetallic Project (East Kimberley)	Australia	Legacy Iron Ore Ltd	Public	Grassroots	Not producing	Corpus
19	Sophie Downs Polymetallic Project (East Kimberley)	Australia	Legacy Iron Ore Ltd	Public	Grassroots	Not producing	Corpus
20	Storey's Creek Tungsten-Tin Mine	Australia	Unattributed	—	Exploration	Not producing	Corpus
21	Tap'n'Toe Tin-Tungsten-REE Prospect	Australia	Tartana Minerals Ltd	Public	Grassroots	Not producing	Corpus
22	Taylor Lookout Copper-Tungsten Prospect (East Kimberley)	Australia	Legacy Iron Ore Ltd	Public	Grassroots	Not producing	Corpus
23	Torrington Topaz-Tungsten Project	Australia	GCM Corporation Ltd	Public	Resource definition	Not producing	Corpus
24	Watershed Tungsten Project	Australia	Tungsten Mining NL	Public	Feasibility	Not producing	Corpus
25	Wolfram Camp Tungsten-Molybdenum Project (Queensland)	Australia	EQ Resources Ltd	Public	Grassroots	Not producing	Corpus
26	Yanco Glen Tungsten-Tin Project	Australia	Unattributed	—	Resource definition	Not producing	Corpus
27	Zwer's Scheelite Mine	Australia	Cosmo Metals Ltd	Public	Grassroots	Not producing	Corpus
28	Mittersill Tungsten Mine	Austria	Wolfram Bergbau und Hutten AG	Private	Production	Producing	Operator
29	Currais Novos Tungsten Tailings Project	Brazil	Largo Inc	Public	Production	Care & maintenance	Corpus
30	Bear River Tungsten Project	Canada	Core Critical Metals Corp	Public	Grassroots	Not producing	Corpus
31	Burnt Hill Tungsten-Molybdenum-Tin Project	Canada	Nexcel Metals Corp	Public	Resource definition	Not producing	Corpus
32	Cantung Tungsten-Copper Mine	Canada	Government of Canada	Government	Closed	Rehabilitation	Corpus
33	Fostung Tungsten Property	Canada	United States Antimony Corp	Public	Resource definition	Not producing	Corpus

	ASSET	COUNTRY	OWNER	OWNERSHIP	STAGE	STATUS	SOURCE
34	Fox Tungsten Project	Canada	Fox Tungsten Ltd	Public	Resource definition	Not producing	Corpus
35	Hatsoff Tungsten-Molybdenum Project	Canada	Linear Minerals Corp	Public	Drilling	Not producing	Corpus
36	Jersey-Emerald Polymetallic Property	Canada	Apex Resources Inc	Public	Exploration	Not producing	Corpus
37	Lened Tungsten Deposit	Canada	Rackla Metals Inc	Public	Drilling	Not producing	Corpus
38	Lotto Tungsten Project	Canada	Maxus Mining Inc	Public	Drilling	Not producing	Corpus
39	Mactung Tungsten Project	Canada	Fireweed Metals Corp	Public	Feasibility	Not producing	Corpus
40	Nashwaak Lake Tungsten Property	Canada	Great Atlantic Resources Corp	Public	Drilling	Not producing	Corpus
41	Northern Dancer Tungsten-Molybdenum Project	Canada	Largo Inc	Public	Scoping	On hold	Corpus
42	Risby Tungsten-Gold Project (Yukon)	Canada	Yukon Metals Corp	Public	Resource definition	Not producing	Corpus
43	Sisson North Tungsten Project	Canada	Adelayde Exploration Inc	Private	Grassroots	Not producing	Corpus
44	Sisson Tungsten-Molybdenum Project	Canada	Northcliff Resources Ltd	Public	Feasibility	Not producing	Corpus
45	Sisson West Tungsten Project	Canada	Makenita Resources Inc	Public	Grassroots	Not producing	Corpus
46	South Quarry Tungsten Property	Canada	Great Atlantic Resources Corp	Public	Drilling	Not producing	Corpus
47	Southwest New Brunswick Tin-Tungsten Property	Canada	Great Atlantic Resources Corp	Public	Drilling	Not producing	Corpus
48	St-Robert Tungsten-Polymetallic Property	Canada	Leopard Lake Gold Corp	Public	Drilling	Not producing	Corpus
49	Couflens Tungsten-Gold Project	France	Apollo Minerals Ltd	Public	Exploration	Not producing	Corpus
50	Pohla-Globenstein Tin-Tungsten Project	Germany	Saxony Minerals & Exploration AG	Private	Feasibility	Not producing	Corpus
51	Akita Tungsten Plant (Japan New Metals)	Japan	Mitsubishi Materials Corp	Public	Production	Processing facility	Corpus

	ASSET	COUNTRY	OWNER	OWNERSHIP	STAGE	STATUS	SOURCE
52	Boguty Tungsten Mine (also carried as Bakuta)	Kazakhstan	Jiaxin International Resources Investment Ltd	Public	Production	Producing	Corpus
53	Northern Katpar Tungsten-Molybdenum Project	Kazakhstan	Severnii Katpar LLP	Private	Feasibility	Not producing	Corpus
54	Christina Tin-Tungsten Project	Morocco	Unattributed	—	Grassroots	Not producing	Corpus
55	Fruta del Sur Gold-Tungsten Mine	Peru	Unattributed	—	Grassroots	Closed	Corpus
56	Pasto Bueno Tungsten Mine	Peru	Unattributed	—	Production	Care & maintenance	Corpus
57	Borralha Tungsten-Copper-Silver Project	Portugal	Allied Critical Metals Inc	Public	Resource definition	Not producing	Corpus
58	Panasqueira Tungsten Mine	Portugal	Almonty Industries Inc	Public	Production	Producing	Corpus
59	Vila Verde Tungsten-Tin Project	Portugal	Allied Critical Metals Inc	Public	Development	Not producing	Corpus
60	Nyakabingo Tungsten Mine	Rwanda	Trinity Metals	Private	Production	Producing	Operator
61	Sangdong Tungsten Mine	South Korea	Almonty Industries Inc	Public	Production	Producing	Corpus
62	Aurenere Tungsten-Gold Project	Spain	Unattributed	—	Closed	Closed	Corpus
63	Barruecopardo Tungsten Mine	Spain	EQ Resources Ltd	Public	Production	Producing	Corpus
64	Los Santos Tungsten Mine	Spain	Almonty Industries Inc	Public	Production	Care & maintenance	Corpus
65	Morille Tungsten Project	Spain	Unattributed	—	Drilling	Closed	Corpus
66	Oliva and La Majada Tungsten-Cobalt-Antimony Projects	Spain	Berkeley Energia Ltd	Public	Grassroots	Not producing	Corpus
67	San Finx Tin-Tungsten Project	Spain	Pivotal Metals Ltd	Public	Resource definition	Closed	Corpus
68	Santa Comba Tungsten-Tin Project	Spain	Unattributed	—	Feasibility	Closed	Corpus

	ASSET	COUNTRY	OWNER	OWNERSHIP	STAGE	STATUS	SOURCE
69	Valtreixal Tin-Tungsten Project	Spain	Almonty Industries Inc	Public	Pre-feasibility	Not producing	Corpus
70	Bergslagen Tungsten Project	Sweden	Mineral Road Discovery Inc	Public	Drilling	Not producing	Corpus
71	Sweden Strategic Metals Tungsten Project	Sweden	Unattributed	—	Drilling	Not producing	Corpus
72	Khao Soon Tungsten Project	Thailand	Flagship Minerals Ltd	Public	Drilling	Not producing	Corpus
73	Hemerdon Tungsten-Tin Mine	United Kingdom	Tungsten West PLC	Public	Development	Not producing	Corpus
74	Redmoor Tungsten-Tin-Copper Project	United Kingdom	Strategic Minerals PLC	Public	Scoping	Not producing	Corpus
75	Big It Antimony-Gold-Tungsten Project	United States	Magellan Copper & Gold Corp	Public	Grassroots	Not producing	Corpus
76	Browns Lake Tungsten Project	United States	Almonty Industries Inc	Public	Resource definition	Not producing	Corpus
77	Cinnamon Tungsten Property	United States	Nelson Resources Ltd	Public	Drilling	Not producing	Corpus
78	Defender-Pine Crow Tungsten Project	United States	Great Western Mining Corporation PLC	Public	Grassroots	Not producing	Corpus
79	Dutch Mountain Tungsten Project	United States	American Tungsten & Antimony Ltd	Public	Development	Not producing	Corpus
80	Eagle Tungsten-Silver-Rubidium Project	United States	Spartan Metals Corp	Public	Drilling	Not producing	Corpus
81	Finley Basin Tungsten Project	United States	Iris Metals Ltd	Public	Exploration	Not producing	Corpus
82	Golden Gate Tungsten-Gold Mine (Idaho)	United States	Resolution Minerals Ltd	Public	Drilling	Not producing	Corpus
83	IMA Mine Tungsten-Molybdenum Project	United States	American Tungsten Corp	Public	Drilling	Not producing	Corpus
84	Johnson Creek Tungsten-Antimony Mill (Horse Heaven)	United States	Resolution Minerals Ltd	Public	Development	Processing facility	Corpus
85	Linka Tungsten Project	United States	Viking Mines Ltd	Public	Exploration	Not producing	Corpus

	ASSET	COUNTRY	OWNER	OWNERSHIP	STAGE	STATUS	SOURCE
86	Long Tungsten Project	United States	Viking Mines Ltd	Public	Exploration	Not producing	Corpus
87	Mineral Range Tungsten Project	United States	eMetals Ltd	Public	Exploration	Not producing	Corpus
88	Mirage-Mariposa Tungsten-Silver Mine	United States	Vault Strategic Mining Corp	Public	Grassroots	Not producing	Corpus
89	Mount Wheeler Tungsten Project	United States	Vault Strategic Mining Corp	Public	Drilling	Not producing	Corpus
90	Mt. Harper Polymetallic Property	United States	Unattributed	—	Drilling	Not producing	Corpus
91	Nightingale Tungsten Project	United States	American Tungsten & Antimony Ltd	Public	Grassroots	Not producing	Corpus
92	Pilot Mountain Tungsten Project	United States	Guardian Metal Resources PLC	Public	Pre-feasibility	Not producing	Corpus
93	Pilot North Tungsten Project	United States	Guardian Metal Resources PLC	Public	Grassroots	Not producing	Corpus
94	Pioneer Tungsten Project	United States	Red Mountain Mining Ltd	Public	Drilling	Not producing	Corpus
95	Ragged Top Tungsten Project (Nevada)	United States	Viking Mines Ltd	Public	Exploration	Not producing	Corpus
96	Rowland Tungsten-Copper-Molybdenum Project	United States	Western Star Resources Inc	Public	Grassroots	Not producing	Corpus
97	Springer Tungsten Project	United States	Blue Moon Metals Inc	Public	Scoping	Not producing	Corpus
98	Springfield Tungsten-Gold Prospect (North Pine)	United States	Pioneer Minerals Ltd	Public	Exploration	Not producing	Corpus
99	Tempiute Tungsten Project	United States	Guardian Metal Resources PLC	Public	Drilling	Not producing	Corpus
100	Tennessee Mountain Tungsten Project	United States	American Tungsten & Antimony Ltd	Public	Grassroots	Not producing	Corpus
101	Terrell Tungsten Project (Nevada)	United States	Viking Mines Ltd	Public	Exploration	Not producing	Corpus
102	True American Tungsten Project	United States	Terra Critical Minerals Ltd	Public	Exploration	Not producing	Corpus
103	Victorio Tungsten-Molybdenum Project	United States	Spartan Metals Corp	Public	Development	Not producing	Corpus

	ASSET	COUNTRY	OWNER	OWNERSHIP	STAGE	STATUS	SOURCE
104	Victory Tungsten Project	United States	Viking Mines Ltd	Public	Exploration	Not producing	Corpus
105	War Bond Tungsten Project	United States	Vault Strategic Mining Corp	Public	Grassroots	Not producing	Corpus
106	Nui Phao Tungsten-Fluorspar-Bismuth Mine	Vietnam	Masan High-Tech Materials	Public	Production	Producing	Operator
107	Vinh Bao Ferrotungsten Plant	Vietnam	Unattributed	—	Production	Processing facility	Corpus
108	RHA Tungsten Project	Zimbabwe	Premier African Minerals Ltd	Public	Production	Care & maintenance	Corpus

APPENDIX • WHERE THE TONNES ACTUALLY ARE

The production base, against what a filings-based screen sees

This register is built from public filings by listed issuers. That is a precise universe, and it is not the same as the universe of tungsten actually being mined. Set the two side by side and the difference is visible rather than assumed.

USGS puts world mine production at **85,000 t of tungsten content in 2025**, of which China is 67,000 t. That leaves roughly **18,000 t outside China**, distributed like this:

COUNTRY	2024 T W	2025 T W	IN THIS REGISTER
Vietnam	3,400	3,000	Yes — Nui Phao, added from external sources
Kazakhstan	—	2,400	Yes — Boguty
Russia	1,500	2,000	No — and excluded by the rule itself
North Korea	1,900	2,000	No — and excluded by the rule itself
Bolivia	1,700	1,700	No — no named operator established
Rwanda	1,300	1,300	Yes — Nyakabingo, Trinity Metals
Australia	920	1,000	Yes — Dolphin, Mt Carbine
Austria	840	840	Yes — Mittersill, Wolfram Bergbau
Spain	700	800	Yes — Barruecopardo
Portugal	650	700	Yes — Panasqueira
Other countries	1,700	2,400	Partly — includes South Korea (Sangdong)
Total outside China	~15,000	~18,000	—

Source: USGS Mineral Commodity Summaries 2026, tungsten. Figures are tungsten content, rounded by USGS; 2025 is estimated. The United States is shown by USGS as producing none.

Of the roughly 3,700 t this register does not reach, **4,000 t sits in Russia and North Korea** — two of the four countries the 1 January 2027 rule names, so that tonnage is disqualified by the same regulation that makes the rest of it interesting. Setting those aside, the only material gap left is **Bolivia's ~1,700 t**, for which no operator could be established at all.

APPENDIX • OUTSIDE THE FILINGS UNIVERSE

What is still outside this register

Nyakabingo, Mittersill and Nui Phao are now in the register above, carried with a source of “Operator” rather than “Corpus”. These are the operations that remain outside it, and why.

OPERATION	COUNTRY	OPERATOR	OWNERSHIP	STATUS
Uzbek tungsten cluster	Uzbekistan	TMK	State enterprise	Early ramp-up
Novoorlovsky (Spokoinoe)	Russia	—	State, from April 2026	Restart, unconfirmed
Man-nyon	North Korea	Ministry of Mining Industry	State	Producing
Bolivian production	Bolivia	Not established	State / cooperative	Producing

Trinity Metals reports Nyakabingo concentrate now meeting up to 20% of US primary tungsten concentrate consumption (operator statement, June 2026). Mittersill is widely described as the largest primary tungsten mine in Western Europe; no standalone tonnage is disclosed. Uzbek output is currently small against stated 2027–2030 targets, which are company figures and not independently verified. Russian and North Korean operations are listed for completeness, not as supply options.

A register that only counts what it can see is a register that cannot be checked.

This page exists so a reader can weigh the list against the market rather than take it on trust. The named operations above are the ones a filings-based screen structurally cannot reach, and they are the subject of Volume 2.

THE EDGES OF THIS COUNT

What this register cannot see

Stated plainly, because a register that does not declare its boundary is asking to be trusted further than it deserves.

The corpus reads public filings from listed issuers across 29 exchanges. Assets held by unlisted operators, by state entities, or by companies quoted on venues not yet covered do not appear — and they do not appear as gaps either. They are simply absent. Two of those absences matter here.

NUI PHAO, VIETNAM

Operated by Masan High-Tech Materials and described by the operator and by trade press as the largest tungsten mine outside China by reserves. Masan states it controls roughly 21% of the tungsten supply chain outside China. It is included in this register on external sources and is **not carried in the Pulse corpus**, because Masan trades on Vietnam's UPCoM. Every other row is corpus-sourced.

RUSSIA

The 18 countries here do not include Russia, which has multiple primary tungsten operations. Russia is one of the four countries named in the procurement rule this register is built around. A screen for China, Russia, Iran and North Korea exposure that carries no Russian assets has a gap in the middle of its own framing.

UNRESOLVED

Austria's Mittersill operation is privately held and its current status is unconfirmed. Tungsten tagging reaches more than forty countries outside China once tungsten is treated as any commodity rather than the primary one, including producing-phase assets in countries this register shows as having none.

KNOWN DATA DEFECTS

One record, Blue River in British Columbia, is tagged tungsten-primary in the corpus but is a tantalum-niobium project; it has been excluded here and flagged for correction. Two assets carried a published study with the corresponding milestone flag unset, which understated the pre-feasibility gate; both have been restaged.

This page is the point of the document.

Every dataset has a boundary. Most published lists do not tell you where theirs is, which means you cannot tell the difference between an absence and a gap. The value of a register is not that it is complete. It is that it knows what it is missing.

THE CORPUS

Tungsten is one commodity of forty-nine

This register is the output of one question, on one commodity, at one date. The corpus it was built from covers rather more.



Every asset in it carries the seven-layer record shown earlier — identity, ownership, geology, milestones, permits, studies and provenance — and the same structure holds whether the commodity is tungsten, copper or gold.

The counting is repeatable. That is the whole point.

Volume 1 took an afternoon because the corpus was already built. Antimony, rare earths, tin and graphite are the same question asked of different rows.

WHAT YOU COULD HAVE

Ten modules, one asset

The register answers one question. These are the ten modules of the platform, and what each would tell you about the single asset on the previous page.

01

Monitoring

84 filings touched this asset in the last twelve months. Which of them changed the story?

02

Comps

How a US\$289m open-pit skarn prices against every other tungsten developer on a like-for-like basis.

03

Diligence & Risk

BETA • Q3 2026

A structured asset score, and the risks a scoping-to-PFS jump usually hides.

04

People

BETA • Q3 2026

Who is running it, what they built before, and how that ended.

05

Geology & Tenements

Four deposits, drill results, 3D geology and the tenement boundaries around them.

06

Permitting

Exploration and water granted; environmental and mining outstanding. How long does Nevada take?

07

Origination

Which other assets match this profile — including the ones nobody has written up yet.

08

M&A

What comparable tungsten ground has actually changed hands for, and on what terms.

09

Royalty

Whether anyone already holds a royalty over this ground.

10

Chat & MCP

Ask any of the above in plain English, or pull it into your own AI workflow.

You have just read one module's output, on one commodity, on one date. Modules 03 and 04 are in beta and land in Q3 2026; the other eight are live today.

Source: Pulse Intelligence corpus, 31 July 2026. Assets where tungsten is the primary commodity. Status "Producing" is reserved for mining properties actively in production; processing facilities are labelled separately. Economic study figures are as-reported by the issuer on its own basis and date, and are not comparable across projects. Nothing in this document is investment advice.

Less searching. More strategising.™