NADIRE CONSTELLATION – ASTROGEOLOGICAL SURVEY YC121

NADIRE SECURITY CONSULTANTS

Preface

This document was prepared by Commander Edward Adams of the Nadire Security Consultants private security corporation on behalf of the Nadire District Parliament for submission to the Federal Administration and Astral Mining Incorporated.

The author would like to thank Lieutenant Commander 'HC' Androidson for their assistance in collecting vital information pertaining to the geological composition of the numerous moons within the Nadire constellation. Without their patience and determination, this report would not have been possible.

About the Authors

Lieutenant Commander 'HC' Androidson is an officer of the security division of Nadire Security Consultants.

Having achieved his independent pilot's licence in YC115, he has several years of service in the State Protectorate and affiliated corporations under his belt prior to accepting a position as an officer with the corporation.

He not only has an understanding of security concerns in space, but also of astro-geological survey and extraction experience at the industrial level.

Commander Edward 'Mantel' Adams is an officer of the security division of Nadire Security Consultants.

He achieved his independent pilot's licence in YC110 after graduating from the State War Academy and has been involved in numerous endeavours, including five years' service in the State Protectorate. He resigned his position as a director within the Heiian Conglomerate in January YC121, before accepting his current position as a senior official within the corporation.

Introduction

On the 20th December of YC120 (FC236), Nadire Security Consultants (NADSC) was founded by a group of individuals for the express purpose of providing security services to the Nadire District Parliament under the Shipping and Security Franchise powers that the latter can exercise. NADSC consists of both baseliner and Empyrean elements, with a small yet competent contingent of capsuleer pilots employed by the organisation.

In early January YC121 (FC236), Director Aedre Lafisques commissioned a report into the mineral resources of the Nadire constellation in response to a request from the Nadire District Parliament for the organisation to provide an updated repository of comprehensive information for Astromining and resource exploitation purposes. Director Lafisques charged Commander Edward Adams and Lieutenant Commander 'HC' Androidson of the NADSC Security Division with surveying the various planets, asteroid belts and moons within the Nadire constellation and collecting data in concert with the NADSC Office of the Cartographer for the purposes of this report.

Throughout January and February, asteroid and moon survey data was collected by the officers of the Security Division whilst planetary resources were charted by the Office of the Cartographer. The majority of Nadire is designated as low-security space and standard protocols were observed in the collection of this data in line with corporate procedures as well as compliance with Federal astromining regulations including the Aclan Agreement.

Fig 1. The *Nadire Security Vessel (NSV) Harvest* above Assiettes VI

Planetary Resources

The Nadire Constellation is composed of seven solar systems, six of which are designated as low-security sectors, with a combined total of fifty three planets within them. Of these fifty three planets, thirteen are classified as Barren worlds, twelve as Gas Giants, nine as Temperate planets, eight designated Oceanic worlds, six as Magma, two Storm worlds, two Ice worlds and one Plasma planet. The NADSC Office of the Cartographer has in the process of constructing this report consulted existing records as well as conducting a series of limited surveys to determine the potential resources that can be extracted from the planets within the Nadire Constellation.

Below are a series of tables with information pertaining to each solar system's planetary bodies and resources that can be extracted from them. Further information on the Planetary Resources can be gleaned from the reference guide within this report.

Assiettes -

Assiettes is the only solar system within the Nadire Constellation that is rated as high-security space. With six planets, it is the third smallest system in the Nadire Constellation in regards to planetary bodies. As can be discerned, there are considerable reserves of Aqueous Liquids, Base Metals and Carbon Compounds for exploitation. Additionally, Assiettes I has deposits of Suspended Plasma and Felsic Magma for extraction, as well as Planktic Colonies on Assiettes II. It should be taken into consideration that any colony operating on these worlds that exports products to the orbital customs office will be subject to taxation levied on high-security space planets.

Assiettes (0.6)	Resources				
I (Magma)	Base Metals	Felsic Magma	Heavy Metals	Non-CS Crystals	Suspended Plasma
II (Oceanic)	Aqueous Liquids	Carbon Compounds	Complex Organisms	Micro Organisms	Planktic Colonies
III (Barren)	Aqueous Liquids	Base Metals	Carbon Compounds	Micro Organisms	Noble Metals
IV (Gas)	Aqueous Liquids	Base Metals	Noble Gas	Ionic Solutions	Reactive Gas
V (Barren)	Aqueous Liquids	Base Metals	Micro Organisms	Carbon Compounds	Noble Metals
VI (Temperate)	Aqueous Liquids	Autotrophs	Carbon Compounds	Complex Organisms	Micro Organisms

Goinard –

Goinard is rated as a low-security sector and acts as the high-security space connection between Assiettes and the rest of Nadire. It is tied with the Esmes system as having the fewest planetary bodies, standing at five in total. Four planets have significant reserves of Aqueous Liquids and Base Metals as well as deposits of Suspended Plasma on Goinard I and II. As it is a low-security system, there is no taxation other than that of the owners of the orbital customs offices over each planet.

Goinard (0.3)	Resources				
I (Magma)	Base Metals	Felsic Magma	Heavy Metals	Non-CS Crystals	Suspended Plasma
II (Storm)	Aqueous Liquids	Base Metals	Noble Gas	Ionic Solutions	Suspended Plasma
III (Barren)	Aqueous Liquids	Base Metals	Carbon Compounds	Micro Organisms	Noble Metals
IV (Gas)	Aqueous Liquids	Base Metals	Noble Gas	Ionic Solutions	Reactive Gas
V (Oceanic)	Aqueous Liquids	Carbon Compounds	Complex Organisms	Micro Organisms	Planktic Colonies

Allipes –

The solar system of Allipes is unique to Nadire as it has the sole Plasma planet in the constellation in addition to three Temperate, two Oceanic, one Magma and one Barren planet. This grants the system a wealth of valuable resources to be exploited by commercial organisations with interests in the metals trade as well as biological produce from the Oceanic and Temperate worlds. Its geographical location is well-placed, being only two jumps from the high-security entrance of Assiettes. The only drawback is the lack of a permanent station in the system, although that can be mitigated by the deployment of an Upwell structure to act as a port of refuge.

Allipes (0.2)	Resources				
I (Plasma)	Base Metals	Noble Metals	Heavy Metals	Non-CS Crystals	Suspended Plasma
II (Oceanic)	Aqueous Liquids	Complex Organisms	Carbon Compounds	Micro Organisms	Planktic Colonies
III (Oceanic)	Aqueous Liquids	Complex Organisms	Carbon Compounds	Micro Organisms	Planktic Colonies
IV (Temperate)	Aqueous Liquids	Autotrophs	Carbon Compounds	Micro Organisms	Complex Compounds
V (Temperate)	Aqueous Liquids	Autotrophs	Carbon Compounds	Micro Organisms	Complex Compounds
VI (Barren)	Aqueous Liquids	Base Metals	Carbon Compounds	Micro Organisms	Noble Metals

VII (Temperate)	Aqueous Liquids	Autotrophs	Carbon Compounds	Micro Organisms	Complex Compounds
VIII (Magma)	Base Metals	Felsic Magma	Heavy Metals	Non-CS Crystals	Suspended Plasma

Aetree –

The Aetree system contains eight planets with a diverse amount of resources available for extraction. It has the second-highest number of Gas planets in the constellation at three which grants the system considerable reserves of Gas products, Base Metals as well as Aqueous Liquids. Deposits of Heavy Metals and Felsic Magma can also be extracted from the lone Magma world, as well as the possibility for Suspended Plasma and Non-CS Crystals to be harvested. This system could be well-suited for a manufacturing operation, although its distance from Assiettes and the lack of a permanent space station impedes the establishment of such enterprises.

Aetree (0.2)	Resources				
I (Magma)	Base Metals	Felsic Magma	Heavy Metals	Non-CS Crystals	Suspended Plasma
II (Barren)	Aqueous Liquids	Base Metals	Carbon Compounds	Micro Organisms	Noble Metals
III (Barren)	Aqueous Liquids	Base Metals	Carbon Compounds	Micro Organisms	Noble Metals
IV (Temperate)	Aqueous Liquids	Autotrophs	Carbon Compounds	Micro Organisms	Complex Compounds
V (Gas)	Aqueous Liquids	Base Metals	Noble Gas	Ionic Solutions	Reactive Gas
VI (Gas)	Aqueous Liquids	Base Metals	Noble Gas	Ionic Solutions	Reactive Gas
VII (Gas)	Aqueous Liquids	Base Metals	Noble Gas	Ionic Solutions	Reactive Gas
VIII (Temperate)	Aqueous Liquids	Autotrophs	Carbon Compounds	Micro Organisms	Complex Compounds

Esmes –

Esmes is tied with Goinard with having the fewest planetary bodies, standing at five in total. It is an unremarkable system for planetary resources and its position impairs the economic viability of capsuleer colonies upon the surface, as it is four jumps from Assiettes and is on the Domain border. That said, reserves of Aqueous Liquids can be found on all planets within the system. In addition, deposits of Carbon Compounds and Micro Organisms can be extracted from all but Esmes IV. It should be noted that Esmes III was subject to complete depopulation from Sansha's Nation in YC114 (FC229) and that any economic exploitation of the planet must bear in mind the cultural sensitivities that may arise out of plundering a 'Ghost World'.

Esmes (0.1)	Resources				
I (Barren)	Aqueous Liquids	Base Metals	Carbon Compounds	Micro Organisms	Noble Metals
II (Barren)	Aqueous Liquids	Base Metals	Carbon Compounds	Micro Organisms	Noble Metals
III (Temperate)	Aqueous Liquids	Autotrophs	Carbon Compounds	Micro Organisms	Complex Compounds
IV (Gas)	Aqueous Liquids	Base Metals	Noble Gas	Ionic Solutions	Reactive Gas
V (Oceanic)	Aqueous Liquids	Complex Organisms	Carbon Compounds	Micro Organisms	Planktic Colonies

Raeghoscon –

The largest system in the Nadire constellation with eleven planets, Raeghoscon boasts considerable mineral wealth as well as a diverse range of planet-types to be found. It has the most Barren and Oceanic worlds of any system within the Nadire constellation with three of each type, as well as two Ice planets. It has the largest reserves of Noble Metals as well as tremendous opportunities to harvest biological products from the Oceanic and Ice-class worlds. Its position, two jumps from Assiettes, increases the attractiveness of establishing production facilities within Raeghoscon. The presence of a space station also provides safe harbour for any transport vessels moving cargo to and from the system.

Raeghoscon (0.4)	Resources				
I (Barren)	Aqueous Liquids	Base Metals	Carbon Compounds	Micro Organisms	Noble Metals
II (Barren)	Aqueous Liquids	Base Metals	Carbon Compounds	Micro Organisms	Noble Metals
III (Magma)	Base Metals	Felsic Magma	Heavy Metals	Non-CS Crystals	Suspended Plasma
IV (Gas)	Aqueous Liquids	Base Metals	Noble Gas	Ionic Solutions	Reactive Gas
V (Gas)	Aqueous Liquids	Base Metals	Noble Gas	Ionic Solutions	Reactive Gas
VI (Ice)	Aqueous Liquids	Heavy Metals	Noble Gas	Micro Organisms	Planktic Colonies
VII (Oceanic)	Aqueous Liquids	Complex Organisms	Carbon Compounds	Micro Organisms	Planktic Colonies
VIII (Oceanic)	Aqueous Liquids	Complex Organisms	Carbon Compounds	Micro Organisms	Planktic Colonies
IX (Ice)	Aqueous Liquids	Heavy Metals	Noble Gas	Micro Organisms	Planktic Colonies
X (Oceanic)	Aqueous Liquids	Complex Organisms	Carbon Compounds	Micro Organisms	Planktic Colonies
XI (Barren)	Aqueous Liquids	Base Metals	Carbon Compounds	Micro Organisms	Noble Metals

Lermireve –

With ten planets, Lermireve is the second largest system in the Nadire constellation, with only its neighbour Raeghoscon surpassing it. Its four Gas giants along with the Storm and Ice worlds grant Lermireve unrivalled production capability for Noble and Reactive Gases as well as Ionic Solutions. Although it is on the territorial border with Essence and Everyshore, it is only three jumps away from Assiettes and does possess a station in the form of the CONCORD Treasury in orbit over the fifteenth moon of Lermireve VIII. It is highly recommended by the author of this report that there is an official attempt from the Nadire District Parliament at encouraging enterprises to establish operations in this system in order to take advantage of the potential Lermireve's planets have to offer.

Lermireve (0.3)	Resources				
I (Magma)	Base Metals	Felsic Magma	Heavy Metals	Non-CS Crystals	Suspended Plasma
II (Barren)	Aqueous Liquids	Base Metals	Carbon Compounds	Micro Organisms	Noble Metals
III (Storm)	Aqueous Liquids	Base Metals	Noble Gas	Ionic Solutions	Suspended Plasma
IV (Temperate)	Aqueous Liquids	Autotrophs	Carbon Compounds	Micro Organisms	Complex Compounds
V (Gas)	Aqueous Liquids	Base Metals	Noble Gas	Ionic Solutions	Reactive Gas
VI (Gas)	Aqueous Liquids	Base Metals	Noble Gas	Ionic Solutions	Reactive Gas
VII (Gas)	Aqueous Liquids	Base Metals	Noble Gas	Ionic Solutions	Reactive Gas
VIII (Gas)	Aqueous Liquids	Base Metals	Noble Gas	Ionic Solutions	Reactive Gas
IX (Ice)	Aqueous Liquids	Heavy Metals	Noble Gas	Micro Organisms	Planktic Colonies
X (Barren)	Aqueous Liquids	Base Metals	Carbon Compounds	Micro Organisms	Noble Metals

Asteroid Resources

The second part of this report will focus on the resources that are located within the asteroid belts of the Nadire Constellation. Throughout the seven solar systems that comprise the Constellation, there are a combined total of sixty charted asteroid belts, two-thirds of which are located within the Raeghoscon and Lermireve solar systems. Overall, over ninety percent of asteroids available to be exploited reside in areas designated as low-security space, which places additional challenges upon potential resource extraction efforts for the Nadire Constellation for the prospective miner or organisation.

This is due partly to the threat of constant Serpentis Corporation patrols which scour the area for the unwary as well as easy targets for them to prey upon. Additionally, piratical elements of capsuleer organisations that are headquartered in the area also actively seek out and destroy lone capsuleer-operated vessels regardless of their classification type, as well as establishing blockades throughout the Constellation's stargates.

A reference guide for further information on available ores and their mineral contents can be found at the end of this report. This section of the report will only discuss the contents of the asteroid belts themselves within each system, although it does recognise the possibility of cosmic anomalies being detected that may or may not have potential valuable resources to be extracted.

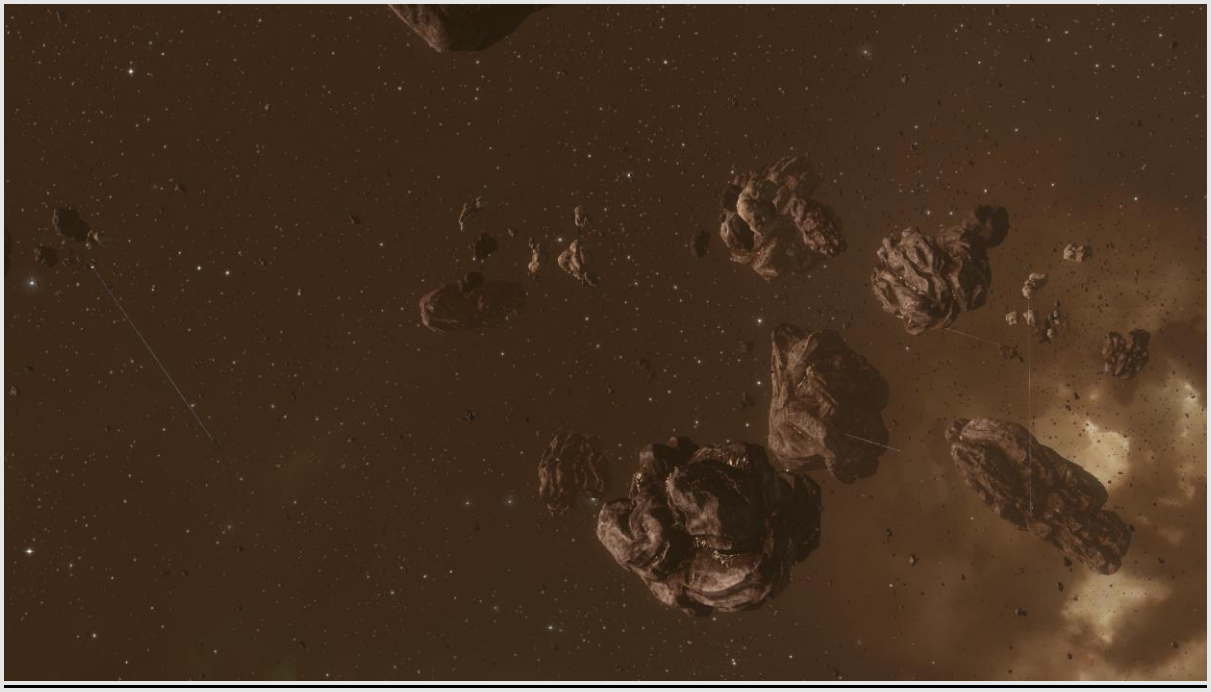

Fig 2. Rhaeghoscon V - Asteroid Belt II

Assiettes –

There are a total of four asteroid belts within the Assiettes solar system. As it is the only system rated as high-security space, the mineral resources within the belts are not as diverse compared to the other systems within the Constellation due to over-exploitation over the years. That said, there are still opportunities to be had within the four belts, as capsuleer traffic is minimal with less than five hundred jumps in total detected over the course of twenty-four hours on average, as well as few capsuleer residents in Assiettes itself.

Four types of asteroids can be discovered with certainty in the Assiettes system: Veldspar, Scordite, Plagioclase and Omber. Of these four, their rarer varieties can also be found amongst their more common cousins which provide a higher yield of minerals from their ore. These include Concentrated and Dense Veldspar, Condensed and Massive Scordite, Azure and Rich Plagioclase as well as Silver and Golden Omber, providing a five and ten percent additional increase of mineral yield from their ores respectively.

Risks involved with resource extraction are minimal, in part due to CONCORD intervention in the case of capsuleer aggression, but there are still hazards that any prospecting pilot must take into account. Serpentis frigate patrols frequent the area, as well as the occasional capsuleer suicide attacker seeking to assault and destroy vessels with minimal defensive systems before CONCORD patrols can arrive.

Goinard –

Goinard possesses two asteroid belts, the second-lowest out of all the systems within the Nadire Constellation. It is rated as a 0.3 security status system, so compared to its neighbour Assiettes which is designated as high-security space, it does possess a more diverse range of asteroid types within its belts. In addition to all the types that can be found in Assiettes, Jaspet asteroids can be located within the asteroid belts, as can its cousins Pure and Pristine Jaspet which provide a five and ten percent increase of yield respectively. Due to the uncommon occurrence of mining within low-security systems, with the exception of corporate fleets sent out by organisations such as Astral Mining Inc. and Material Acquisition, there are usually greater amounts available to be extracted.

As it is a 0.3 rated system, the Serpentis Corporation often dispatches combat patrols across the system, lingering within the asteroid belts and stargates as well as establishing bases of operations within deadspace. Compared to Assiettes, the Serpentis combat patrols often include destroyer and cruiser-class vessels, with the occasional battlecruiser and battleship-class patrolling the system. It is also a system in which members of the Serpentis Corporations' Clone Soldier Recruiter cadre may be found awaiting their next assignment.

Capsuleer organisations have made Goinard into a hot-spot of activity, with multiple Upwell structures having been erected to provide safe harbour for jump-capable starships such as the Jump Freighter, as well as several organisations having headquartered themselves

within the system's space stations. This has unfortunately led to an increase in piracy throughout the constellation, as these organisations resort to criminal actions such as blockading the stargates as well as actively tracking down vessels in the system to be destroyed. This makes mining in Goinard extremely hazardous and it should not be attempted by anyone inexperienced in handling their vessel within low-security space.

Allipes –

The Allipes system leads to the 'southern' branch of the Nadire Constellation which includes the Aetree and Esmes systems, which is significantly less secure in terms of its security rating than the 'eastern' branch of Raeghoscon and Lermireve. It also as a whole possesses fewer asteroid belts than the 'eastern' branch, with Lermireve and Raeghoscon combined outweighing the 'southern' branch systems by at least a factor of three. That said, the 'southern' branch has ore types that cannot be found elsewhere in the Constellation with the exception of cosmic anomalies. Within the seven asteroid belts of Allipes, Hemorphite and Jaspet asteroids can be discovered, the former type only being found in the 'southern' area of Nadire. This includes their cousins Vivid and Radiant Hemorphite as well as Pure and Pristine Jaspet, providing a five and ten percent increase in yield respectively.

As it is a 0.2 rated system, the Serpentis Corporation can be found in greater numbers in the 'southern' branch than in the central area or 'eastern' branch, dispatching combat patrols across the system as well as establishing deadspace complexes. Additionally, members of the Serpentis Corporation's Clone Soldier Transporter cadre can occasionally be discovered roaming the belts awaiting or carrying out their next assignment.

Allipes' stargates have been known to experience blockades by the aforementioned organisations that base out of the Goinard system, with both the Goinard-Allipes and Allipes-Aetree transit areas equally susceptible to the practice. As Allipes does not have a station for visitors to dock their starship at, it forces any prospective individual or organisation to travel to the Goinard system for the nearest station or to rely upon an Upwell installation within the system. As Upwell installations are just as vulnerable to assaults from capsuleer entities, this is yet another challenge that faces the 'southern' branch of the Nadire Constellation.

Aetree –

The Aetree system is located within the 'southern' branch of the Nadire Constellation and like Allipes it is also graded as 0.2 security status. Its six asteroid belts contains the same resources as Allipes, including the rarer Hemorphite asteroids, as well as the more common varieties available to be found elsewhere in the Constellation.

Like Allipes, it is a 0.2 rated solar system and as a result the Serpentis Corporation can be found in greater numbers in the 'southern' branch than in the central area or 'eastern' branch. Combat patrols from the Serpentis can be chanced upon across the system as well

as deadspace complexes acting as forward operating bases. Additionally, members of the Serpentis Corporation's Clone Soldier Transporter cadre can occasionally be discovered roaming the belts awaiting or carrying out their next assignment.

As with Allipes, the Aetree system can be blockaded from time to time by capsuleer pirates seeking easy targets to destroy or ransom. It also lacks a space station for visitors to dock their vessel in, and there are few if any Upwell installations for public access. This makes Aetree as well as Allipes unsuitable for sustained mining operations unless a secure facility is established that is protected from piratical elements by a capable force.

Esmes –

Esmes has the distinction of only possessing one asteroid belt, the fewest out of any in the entire Nadire Constellation. As it is rated as extreme low-security with a 0.1 status, the solitary belt does contain ore types that are not available in some of the other systems within the Constellation. The presence of Hemorphite and Jaspet along with their higher-yield varieties have been confirmed, as well as that of more common types of asteroids found elsewhere in Nadire.

As it is a 0.1 rated system, the Serpentis Corporation often dispatches combat patrols across the system, loitering within the sole asteroid belt as well as at the stargates leading into and out from the Esmes system. It is also the only system in the Constellation in which members of the Serpentis Corporation's Clone Soldier Negotiator cadre may be found, awaiting their next assignment. These individuals are highly adept at destroying foes and should not be underestimated by the unwary, especially those in a vessel suited for mining rather than starship combat.

In addition, there have been reports of capsuleer pirates locking down the system with a blockade on the stargates from time to time. As the Nadire constellation is not known for its population, these blockades are unlikely to be broken by a contesting force and are likely to result in the destruction of any mining or transport vessel that is unfortunate enough to run into them. Esmes position in the constellation is also unenviable, the furthest system down the 'southern' branch, as noted in the previous section pertaining to planetary resources.

Raeghoscon –

Raeghoscon lies within the 'eastern' branch of the Nadire Constellation, connected to Goinard and Lermireve. It has the second-largest amount of asteroid belts with sixteen in total, granting it significant reserves of asteroids to be exploited, particularly as it is not often harvested. Coupled with its substantial planetary resources, as well as the presence of a space station, it should be perceived by the Nadire District Parliament as a potential hub for resource extraction industries.

As it is a 0.3 rated system, the Serpentis Corporation often dispatches combat patrols across the system, lingering within the asteroid belts and stargates as well as establishing bases of operations within deadspace. It is also a system in which members of the Serpentis Corporations' Clone Soldier Recruiter cadre may be found awaiting their next assignment.

Compared to other systems in Nadire, it is not often blockaded by capsuleer pirates. That said, capsuleer pirates do roam into the area and thus anyone visiting the area for business or pleasure purposes would do well to take the necessary precautions before venturing into low-security space.

Lermireve –

At the furthest end of the 'eastern' branch lies Lermireve, with the highest number of asteroid belts at twenty four in total. As with Raeghoscon, its asteroid belts are a treasure trove of resources able to be collected due in part to the lack of harvesting operations in the area. Copious amounts of standard asteroids as well as more uncommon varieties can be found in great abundance within the system, as few companies are willing or able to send forth expeditions to recover the ore. A space station is also present in Lermireve, offering a place to base operations out of.

As it is a 0.3 rated system, the Serpentis Corporation often dispatches combat patrols across the system, lingering within the asteroid belts and stargates as well as establishing bases of operations within deadspace. It is also a system in which members of the Serpentis Corporations' Clone Soldier Recruiter cadre may be found awaiting their next assignment.

As with Raeghoscon, Lermireve is not a popular choice for blockading tactics by the local capsuleer pirates, with the 'southern' branch of Nadire experiencing them on a greater frequency. That said, standard operating protocols must be observed when entering the system as it does reside on the border of low-security sectors in Everyshore and Essence, as well as the possibility of raiders marauding the system from time to time.

Moon Resources

In addition to those resources that are found on the various planets and in the myriad of asteroid belts, there are also those that can be found within the crusts of the moons orbiting the planets within the Nadire Constellation. Each moon potentially contains an enormous amount of valuable materials, many of which that can only be sourced from the moons themselves, that are utilised in the manufacturing industries to construct advanced starships amongst other goods and components.

It was thus decided by the author and Lieutenant Commander 'HC' Androidson to undertake a comprehensive survey of each of the one hundred and ninety eight moons within the Nadire Constellation to properly catalogue their properties and mineral composition within this report for the benefit of the District Parliament, Astral Mining Inc. as well as for public dissemination. It should be noted that as Assiettes is rated with a 0.6 security status, its moons were unable to be properly surveyed and charted. Thus, the number of moons surveyed and recorded within this report are approximately one hundred and ninety.

For further information on the nature of the moon materials themselves, a reference guide has been added further in the report.

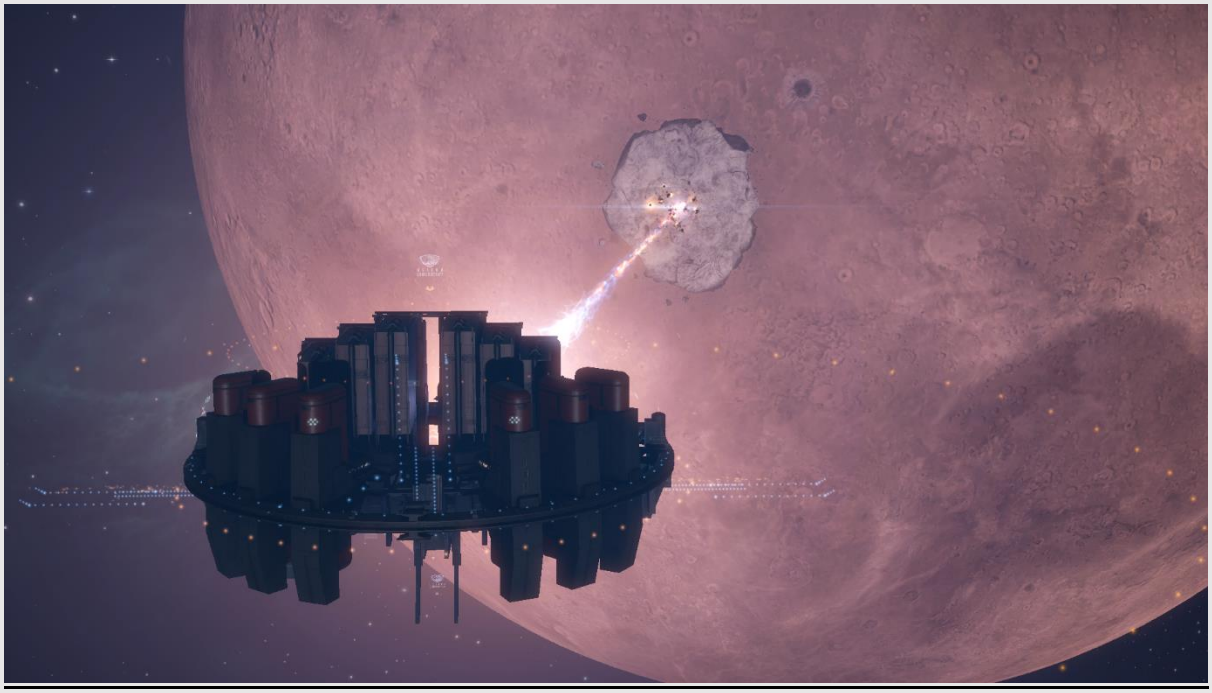

Fig 3. Athanor-class installation detonating a chunk of crust extracted from the moon's surface.

Goinard –

The system of Goinard has ten moons distributed between four planets. Its resources are fairly unremarkable, with Coesite and Sylvite in abundance but not much else. Enhanced yield versions of asteroid ores can also be found in Goinard's moons, with the Flawless variant of Arkonor being especially common.

Goinard	Resource	Quantity	Resource	Quantity
II - Moon 1	Opulent Pyroxeres	0.279445916414	Platinoid Omber	0.183631405234
	Sylvite	0.22747451067	Zeolites	0.309448182583
III – Moon 1	Brilliant Gneiss	0.239414408803	Opulent Pyroxeres	0.249968186021
	Coesite	0.236627027392	Sparkling Plagioclase	0.298525601625
III – Moon 2	Coesite	0.236627027392	Jet Ochre	0.290059924126
	Flawless Arkonor	0.206573843956	Resplendant Kernite	0.266739219427
IV – Moon 1	Flawless Arkonor	0.246711239219	Platinoid Omber	0.222506523132
	Lustrous Hedbergite	0.338323652744	Sylvite	0.192458570004
IV – Moon 2	Dazzling Spodumain	0.226427331567	Flawless Arkonor	0.28914770484
	Jet Ochre	0.259609460831	Sylvite	0.224815502763
IV – Moon 3	Flawless Arkonor	0.239839911461	Lustrous Hedbergite	0.521775484085
	Sylvite	0.238384634256	N/A	N/A
IV – Moon 4	Coesite	0.306838035583	Dazzling Spodumain	0.198745802045
	Immaculate Jaspet	0.313373953104	Zeolites	0.181042194366
IV – Moon 5	Brilliant Gneiss	0.31338134408	Pellucid Crokite	0.200960770249
	Flawless Arkonor	0.290753155947	Sylvite	0.194904729724
V – Moon 1	Flawless Arkonor	0.164148285985	Opulent Pyroxeres	0.304121226072
	Sylvite	0.187235727906	Scintillating Hemorphite	0.344494760036
V – Moon 2	Bitumens	0.208559051156	Pellucid Crokite	0.203588023782
	Cubic Bistot	0.58785289526	N/A	N/A

Allipes –

Allipes has six moons in total, spread out across five planets. As with the neighbouring system of Goinard, Allipes has few moon resources of note, with Titanite and Sylvite deposits being the most common surveyed along with enhanced yield variations of regular asteroid ore.

Allipes	Resources	Quantity	Resources	Quantity
IV – Moon 1	Dazzling Spodumain	0.202623054385	Stable Veldspar	0.31498259306
	Jet Ochre	0.300880491734	Sylvite	0.181513875723
V – Moon 1	Coesite	0.214504048228	Resplendant Kernite	0.17250713706
	Glossy Scordite	0.317533493042	Sparkling Plagioclase	0.295455306768
VI – Moon 1	Bitumens	0.412936121225	Otavite	0.0865355506539
	Dazzling Spodumain	0.305042296648	Titanite	0.195486038923
VII – Moon 1	Brilliant Gneiss	0.193433001637	Titanite	0.246273681521
	Cubic Bistot	0.2813783288	Zeolites	0.278914958239
VIII – Moon 1	Dazzling Spodumain	0.327907919884	Flawless Arkonor	0.205396980047
	Jet Ochre	0.289437830448	Sylvite	0.177257284522
VIII – Moon 2	Brilliant Gneiss	0.18844871223	Titanite	0.428644001484
	Euxenite	0.212149351835	Zeolites	0.170757934451

Aetree –

Aetree has twenty-seven moons in total across the eight planets within the solar system. Surveys report significant deposits of Ubiquitous grade resources including Bitumens, Zeolites, Coesite and Sylvites, as well as several moons containing lodes of Titanite and Chromite ore. This is in addition to the various enhanced versions of regular asteroid ore, of which plentiful amounts can be found across the twenty-seven moons.

Aetree	Resources	Quantity	Resources	Quantity
I – Moon 1	Bitumens	0.205227926373	Dazzling Spodumain	0.194555670023
	Brilliant Gneiss	0.343359291553	Resplendant Kernite	0.256857097149
II – Moon 1	Coesite	0.194031834602	Platinoid Omber	0.258176982403
	Jet Ochre	0.183180689812	Scintillating Hemorphite	0.364610493183
III – Moon 1	Sparkling Plagioclase	0.298639893532	Stable Veldspar	0.174025923014

	Glossy Scordite	0.289958745241	Zeolites	0.237375438213
IV – Moon 1	Coesite	0.192046433687	Scheelite	0.193794623017
	Jet Ochre	0.16922660172	Titanite	0.444932341576
V – Moon 1	Glossy Scordite	0.192260175943	Sylvite	0.195599943399
	Opulent Pyroxeres	0.341602891684	Zeolites	0.270536959171
V – Moon 2	Brilliant Gneiss	0.325188845396	Coesite	0.199539005756
	Platinoid Omber	0.18446201086	Scintillating Hemorphite	0.290810137987
V – Moon 3	Brilliant Gneiss	0.296460360289	Vanadinite	0.107102617621
	Titanite	0.217386186123	Zeolites	0.379050850868
V – Moon 4	Coesite	0.523620665073	Glossy Scordite	0.24993647635
	Immaculate Jaspet	0.226442858577	N/A	
V – Moon 5	Jet Ochre	0.227463051677	Resplendant Kernite	0.256469815969
	Pellucid Crokite	0.341597795486	Sylvite	0.174469351768
VI - Moon 1	Bitumens	0.184978947043	Pellucid Crokite	0.218808859587
	Coesite	0.263148337603	Sylvite	0.333063870668
VI – Moon 2	Bitumens	0.166757598519	Dazzling Spodumain	0.169046342373
	Cubic Bistot	0.346340417862	Zeolites	0.317855626345
VI – Moon 3	Coesite	0.20441737771	Flawless Arkonor	0.297314107418
	Scintillating Hemorphite	0.296584188938	Opulent Pyroxeres	0.201684325933
VI – Moon 4	Glossy Scordite	0.168789118528	Platinoid Omber	0.311977565289
	Jet Ochre	0.312342703342	Zeolites	0.206890612841
VI – Moon 5	Immaculate Jaspet	0.322351366282	Sylvite	0.284875839949
	Platinoid Omber	0.179219886661	Zeolites	0.213552907109
VI – Moon 6	Bitumens	0.251049488783	Cubic Bistot	0.23500277102
	Coesite	0.198681309819	Glossy Scordite	0.315266430378
VI – Moon 7	Pellucid Crokite	0.443229109049	Platinoid Omber	0.26426461339
	Sperrylite	0.113239385188	Titanite	0.179266899824
VI – Moon 8	Dazzling Spodumain	0.307833999395	Sylvite	0.311744391918
	Pellucid Crokite	0.209442168474	Zeolites	0.170979455113
VII – Moon 1	Cubic Bistot	0.216844275594	Titanite	0.327337771654
	Flawless Arkonor	0.247148185968	Sparkling Plagioclase	0.208669781685
VII – Moon 2	Coesite	0.211843296885	Pellucid Crokite	0.496571272612
	Sylvite	0.291585415602	N/A	N/A
VII – Moon 3	Coesite	0.222447291017	Cubic Bistot	0.241041570902

	Resplendant Kernite	0.271813720465	Scintillating Hemorphite	0.264697432518
VII – Moon 4	Bitumens	0.188292905688	Jet Ochre	0.207382768393
	Platinoid Omber	0.280323058367	Lustrous Hedbergite	0.324001282454
VII – Moon 5	Glossy Scordite	0.447612673044	Sperrylite	0.101819835603
	Lustrous Hedbergite	0.274058759212	Titanite	0.176508724689
VII – Moon 6	Bitumens	0.46911585331	Sparkling Plagioclase	0.315193474293
	Dazzling Spodumain	0.215690687299	N/A	N/A
VII – Moon 7	Opulent Pyroxeres	0.296695262194	Stable Veldspar	0.312516450882
	Pellucid Crokite	0.180141568184	Sylvite	0.21064671874
VII – Moon 8	Brilliant Gneiss	0.278450995684	Sparkling Plagioclase	0.225228533149
	Coesite	0.332442164421	Zeolites	0.163878306746
VIII – Moon 1	Chromite	0.1148102507	Jet Ochre	0.252328008413
	Lustrous Hedbergite	0.469792276621	Titanite	0.163069486618
VIII – Moon 2	Dazzling Spodumain	0.258432626724	Sylvite	0.212098658085
	Glossy Scordite	0.179384112358	Scintillating Hemorphite	0.350084602833

Esmes –

Esmes has six moons in total. In a running constant for the system, it does not have significant reserves of ores which are remarkable or that stand out in any way, with few opportunities for commercially viable extraction which cannot be undertaken elsewhere. Whilst there are some deposits of Titanite on the second moon orbiting the third planet, a good majority of the resources are simply the enhanced yield varieties of regular asteroid ore.

Esmes	Resources	Quantity	Resources	Quantity
II – Moon 1	Bitumens	0.303499370813	Opulent Pyroxeres	0.203509807587
	Coesite	0.179946646094	Stable Veldspar	0.313044160604
III – Moon 1	Glossy Scordite	0.207950368524	Lustrous Hedbergite	0.306662887335
	Sylvite	0.179160147905	Sparkling Plagioclase	0.306226611137
III – Moon 2	Brilliant Gneiss	0.292775809765	Glossy Scordite	0.191315427423

	Titanite	0.288313508034	Scintillating Hemorphite	0.22759526968
IV – Moon 1	Bitumens	0.194142520428	Platinoid Omber	0.18244895339
	Brilliant Gneiss	0.295808166265	Resplendant Kernite	0.327600359917
IV – Moon 2	Flawless Arkonor	0.258631467819	Sylvite	0.497458487749
	Scintillating Hemorphite	0.243910029531	N/A	N/A
IV – Moon 3	Bitumens	0.219721436501	Glossy Scordite	0.298442274332
	Flawless Arkonor	0.225563690066	Immaculate Jaspet	0.256272614002

Rhaeghoscon –

Rhaeghoscon has fifty-three moons in total, the second highest number of any system within the Nadire Constellation. One moon in particular stands out from the crowd, that of the sixth moon orbiting the fourth planet. This moon has confirmed deposits of Loparite, a rare and valuable grade of ore, the products of which are in high demand across the industrial markets of New Eden.

Rhaeghoscon	Resources	Quantity	Resources	Quantity
III – Moon 1	Coesite	0.177524477243	Immaculate Jaspet	0.245372802019
	Sparkling Plagioclase	0.311851233244	Resplendant Kernite	0.265251487494
IV – Moon 1	Brilliant Gneiss	0.220818936825	Scintillating Hemorphite	0.195150107145
	Resplendant Kernite	0.300028145313	Titanite	0.284002810717
IV – Moon 2	Brilliant Gneiss	0.524942278862	Sylvite	0.180382609367
	Zeolites	0.294675081968	N/A	N/A
IV – Moon 3	Bitumens	0.312456339598	Coesite	0.202936708927
	Platinoid Omber	0.197895511985	Immaculate Jaspet	0.286711424589
IV – Moon 4	Brilliant Gneiss	0.207551404834	Dazzling Spodumain	0.23546949029
	Coesite	0.29080581665	Titanite	0.266173273325
IV – Moon 5	Sparkling Plagioclase	0.203913882375	Sperrylite	0.379850447178
	Vanadinite	0.210703745484	Stable Veldspar	0.205531910062
IV – Moon 6	Immaculate Jaspet	0.228628575802	Scintillating Hemorphite	0.216803431511
	Loparite	0.356239020824	Stable Veldspar	0.198328971863
IV – Moon 7	Coesite	0.647898614407	Titanite	0.352101415396
	N/A		N/A	N/A

IV – Moon 8	Bitumens	0.187695175409	Dazzling Spodumain	0.259119749069
	Opulent Pyroxeres	0.553185045719	N/A	N/A
IV – Moon 9	Lustrous Hedbergite	0.22129625082	Pellucid Crokite	0.173783391714
	Sperrylite	0.38265773654	Platinoid Omber	0.222262620926
IV – Moon 10	Brilliant Gneiss	0.303571403027	Dazzling Spodumain	0.0963339358568
	Glossy Scordite	0.259344488382	Sperrylite	0.340750157833
IV – Moon 11	Resplendant Kernite	0.180192932487	Sylvite	0.166424691677
	Titanite	0.653382360935	N/A	N/A
IV – Moon 12	Coesite	0.192985609174	Flawless Arkonor	0.237920492887
	Zeolites	0.261502176523	Sylvite	0.307591736317
IV – Moon 13	Coesite	0.209410309792	Dazzling Spodumain	0.178263708949
	Sylvite	0.330499917269	Opulent Pyroxeres	0.281826078892
IV – Moon 14	Coesite	0.169483140111	Flawless Arkonor	0.306875377893
	Scintillating Hemorphite	0.523641467094	N/A	N/A
IV – Moon 15	Coesite	0.208715721965	Platinoid Omber	0.481979638338
	Glossy Scorite	0.309304624796	N/A	N/A
IV – Moon 16	Stable Veldspar	0.165714740753	Flawless Arkonor	0.337493240833
	Zeolites	0.190294310451	Immaculate Jaspet	0.306497693062
IV – Moon 17	Resplendant Kernite	0.0818558558822	Chromite	0.29750302434
	Immaculate Jaspet	0.3197067976	Dazzling Spodumain	0.30093434453
IV – Moon 18	Pellucid Crokite	0.2704179883	Brilliant Gneiss	0.17762555182
	Sylvite	0.203687995672	Flawless Arknor	0.348268449306
IV – Moon 19	Coesite	0.266639411449	Immaculate Jaspet	0.196884185076
	Sylvite	0.215925097466	Jet Ochre	0.320551276207
IV – Moon 20	Coesite	0.198635339737	Immaculate Jaspet	0.358668774366
	Cubic Bistot	0.165808469057	Jet Ochre	0.27688741684
V – Moon 1	Bitumens	0.235747233033	Scheelite	0.180350854993
	Brilliant Gneiss	0.168089956045	Titanite	0.415811955929
V – Moon 2	Bitumens	0.314256757498	Pellucid Crokite	0.225966140628
	Cubic Bistot	0.286382734776	Zeolites	0.173394352198
V – Moon 3	Brilliant Gneiss	0.336786687374	Jet Ochre	0.174153909087
	Zeolites	0.166983187199	Sparkling Plagioclase	0.322076231241
V – Moon 4	Flawless Arkonor	0.164624735713	Pellucid Crokite	0.277918368578
	Sylvite	0.224200159311	Stable Veldspar	0.333256721497
V – Moon 5	Coesite	0.206923082471	Cubic Bistot	0.222493097186
	Sylvite	0.266643643379	Resplendant Kernite	0.303940176964

V – Moon 6	Brilliant Gneiss	0.307325929403	Coesite	0.196439698339
	Lustrous Hedbergite	0.287389576435	Glossy Scordite	0.208844795823
V – Moon 7	Glossy Scordite	0.183827832341	Scheelite	0.207231998444
	Titanite	0.396093100309	Sylvite	0.212847068906
V – Moon 8	Coesite	0.203631058335	Titanite	0.38122934103
	Sylvite	0.175039842725	Zeolites	0.24009975791
V – Moon 9	Coesite	0.17736980319	Platinoid Omber	0.195941835642
	Immaculate Jaspet	0.30336150527	Stable Veldspar	0.323326855898
V – Moon 10	Cubic Bistot	0.318915516138	Lustrous Hedbergite	0.253840327263
	Zeolites	0.234003916383	Platinoid Omber	0.193240255117
V – Moon 11	Flawless Arkonor	0.25604853034	Platinoid Omber	0.221200749278
	Glossy Scordite	0.202051252127	Titanite	0.320699483156
V – Moon 12	Bitumens	0.217612847686	Resplendant Kernite	0.213853642344
	Cubic Bistot	0.302975267172	Zeolites	0.265558242798
V – Moon 13	Coesite	0.226439848542	Scheelite	0.242210224271
	Flawless Arkonor	0.192069366574	Titanite	0.339280545712
V – Moon 14	Bitumens	0.212548047304	Jet Ochre	0.599451780319
	Sparkling Plagioclase	0.188000142574	N/A	N/A
V – Moon 15	Stable Veldspar	0.265231281519	Coesite	0.310849487782
	Sylvite	0.177276521921	Opulent Pyroxeres	0.246642693877
V – Moon 16	Cubic Bistot	0.342441678047	Pellucid Crokite	0.297819554806
	Sylvite	0.178704917431	Resplendant Kernite	0.181033864617
V – Moon 17	Bitumens	0.202962115407	Pellucid Crokite	0.575457572937
	Cubic Bistot	0.221580296755	N/A	N/A
V – Moon 18	Coesite	0.189210087061	Sparkling Plagioclase	0.547263145447
	Opulent Pyroxeres	0.26352673769	N/A	N/A
VI – Moon 1	Bitumens	0.273179799318	Jet Ochre	0.302073538303
	Stable Veldspar	0.199031546712	Zeolites	0.225715115666
VI - Moon 2	Coesite	0.451933115721	Platinoid Omber	0.193518847227
	Glossy Scordite	0.354548037052	N/A	N/A
VI – Moon 3	Bitumens	0.469096243382	Jet Ochre	0.530903756618
	N/A	N/A	N/A	N/A
VI – Moon 4	Bitumens	0.43166783452	Glossy Scordite	0.381453692913
	Sparkling Plagioclase	0.186878472567	N/A	N/A
VI – Moon 5	Flawless Arkonor	0.173024579883	Glossy Scordite	0.299829006195
	Zeolites	0.527146399021	N/A	N/A
VI – Moon 6	Flawless Arkonor	0.336944103241	Jet Ochre	0.2386533916
	Zeolites	0.424402475357	N/A	N/A
VI – Moon 7	Dazzling Spodumain	0.218350157142	Resplendant Kernite	0.252964526415

	Sylvite	0.194541215897	Sparkling Plagioclase	0.334144085646
VI – Moon 8	Bitumens	0.246040463448	Sparkling Plagioclase	0.182239964604
	Titanite	0.571719586849	N/A	N/A
VII – Moon 1	Brilliant Gneiss	0.319356620312	Jet Ochre	0.259374707937
	Glossy Scordite	0.195518627763	Sylvite	0.225750029087
IX – Moon 1	Cubic Bistot	0.226650133729	Pellucid Crokite	0.273269802332
	Opulent Pyroxeres	0.282921552658	Sylvite	0.217158481479
IX – Moon 2	Cubic Bistot	0.404770374298	Opulent Pyroxeres	0.301899194717
	Vanadinite	0.111965090036	Titanite	0.181365326047
IX – Moon 3	Chromite	0.446476250887	Scheelite	0.104000970721
	Pollucite	0.180828168988	Zeolites	0.268694609404
IX – Moon 4	Flawless Arkonor	0.306954413652	Pellucid Crokite	0.222139522433
	Sylvite	0.470906078815		
IX – Moon 5	Coesite	0.296008497477	Sparkling Plagioclase	0.182866692543
	Sylvite	0.300160050392	Zeolites	0.220964744687

Lermireve –

Lermireve has a grand total of eighty eight moons across eight of the ten planets within the system, the highest amount of any system within the Nadire Constellation. Whilst such an impressive number imparts upon the system a considerable amount of resources for exploitation, there are a few in particular that have reserves of resources that have tremendous value. These include the third moon of the eighth and ninth planets, the former been charted as having deposits of Monazite and Loparite and the latter Xenotime and Ytterbite ore.

Lermireve	Resource	Quantity	Resources	Quantity
III – Moon 1	Coesite	0.442219465971	Opulent Pyroxeres	0.22210213542
	Resplendant Kernite	0.335678398609	N/A	N/A
III – Moon 2	Bitumens	0.202499240637	Coesite	0.285904675722
	Jet Ochre	0.199841618538	Cubic Bistot	0.311754465103
III – Moon 3	Bitumens	0.180285960436	Dazzling Spodumain	0.222134441137
	Sylvite	0.286566346884	Titanite	0.311013251543
IV – Moon 1	Chromite	0.339022547007	Opulent Pyroxeres	0.0832322388887
	Pellucid Crokite	0.276499718428	Sperrylite	0.301245510578
V – Moon 1	Chromite	0.118781879544	Jet Ochre	0.2789747715
	Titanite	0.197467967868	Opulent Pyroxeres	0.404775381088

V – Moon 2	Bitumens	0.543232917786	Brilliant Gneiss	0.286082953215
	Sparkling Plagioclase	0.170684114099	N/A	N/A
V – Moon 3	Bitumens	0.193554267287	Dazzling Spodumain	0.510603547096
	Resplendant Kernite	0.295842170715	N/A	N/A
V – Moon 4	Resplendant Kernite	0.250792771578	Scintillating Hemorphite	0.34831699729
	Zeolites	0.211943805218	Sparkling Plagioclase	0.188946411014
V – Moon 5	Brilliant Gneiss	0.37163695693	Stable Veldspar	0.324380069971
	Chromite	0.0928110331297	Titanite	0.211171939969
V – Moon 6	Brilliant Gneiss	0.160984396935	Sparkling Plagioclase	0.305008143187
	Cubic Bistot	0.294684976339	Sylvite	0.239322498441
V – Moon 7	Coesite	0.182676643133	Scintillating Hemorphite	0.315564095974
	Zeolites	0.312415391207	Sparkling Plagioclase	0.189343869686
V – Moon 8	Platinoid Omber	0.525299608707	Sylvite	0.194143891335
	Zeolites	0.280556470156	N/A	N/A
V – Moon 9	Bitumens	0.170872852206	Lustrous Hedbergite	0.34074229002
	Cubic Bistot	0.280128210783	Stable Veldspar	0.208256646991
V – Moon 10	Immaculate Jaspet	0.303233027458	Platinoid Omber	0.209976226091
	Sylvite	0.48679074645	N/A	N/A
V – Moon 11	Cubic Bistot	0.285073041916	Immaculate Jaspet	0.279549658298
	Sparkling Plagioclase	0.211848676205	Zeolites	0.223528623581
V – Moon 12	Brilliant Gneiss	0.24698074162	Opulent Pyroxeres	0.209485754371
	Zeolites	0.325556784868	Sylvite	0.217976748943
V – Moon 13	Glossy Scordite	0.332103937864	Opulent Pyroxeres	0.243417307734
	Zeolites	0.239027574658	Platinoid Omber	0.185451179743
V – Moon 14	Bitumens	0.183105170727	Jet Ochre	0.462936669588
	Opulent Pyroxeres	0.353958159685	N/A	N/A
V – Moon 15	Bitumens	0.207037910819	Platinoid Omber	0.280667603016
	Stable Veldspar	0.202334150672	Titanite	0.309960335493
V – Moon 16	Chromite	0.0812243893743	Coesite	0.401070356369

	Sparkling Plagioclase	0.309047937393	Titanite	0.208657309413
V – Moon 17	Bitumens	0.216401576996	Resplendant Kernite	0.263440221548
	Scintillating Hemorphite	0.174684658647	Stable Veldspar	0.345473527908
V – Moon 18	Bitumens	0.251213341951	Sparkling Plagioclase	0.185742139816
	Immaculate Jaspet	0.260219663382	Zeolites	0.302824854851
V – Moon 19	Dazzling Spodumain	0.333053708076	Pellucid Crokite	0.28063505888
	Platinoid Omber	0.193239182234	Zeolites	0.193072065711
VI – Moon 1	Bitumens	0.211884304881	Glossy Scordite	0.258954793215
	Jet Ochre	0.17476092279	Platinoid Omber	0.354399979115
VI – Moon 2	Coesite	0.211904287338	Immaculate Jaspet	0.18308275938
	Scintillating Hemorphite	0.352183222771	Pellucid Crokite	0.252829730511
VI – Moon 3	Bitumens	0.527254641056	Coesite	0.297504395247
	Platinoid Omber	0.175240963697	N/A	N/A
VI – Moon 4	Bitumens	0.198540478945	Pellucid Crokite	0.213116958737
	Sparkling Plagioclase	0.588342547417	N/A	N/A
VI – Moon 5	Coesite	0.170874610543	Immaculate Jaspet	0.297357022762
	Sparkling Plagioclase	0.182072013617	Opulent Pyroxeres	0.349696367979
VI – Moon 6	Bitumens	0.230848714709	Pellucid Crokite	0.298273026943
	Glossy Scordite	0.271804630756	Resplendant Kernite	0.199073627591
VI – Moon 7	Coesite	0.222960829735	Sparkling Plagioclase	0.189780846238
	Sylvite	0.294117689133	Zeolites	0.293140649796
VI – Moon 8	Bitumens	0.478006064892	Sparkling Plagioclase	0.192762091756
	Platinoid Omber	0.329231858253	N/A	N/A
VI – Moon 9	Brilliant Gneiss	0.336189329624	Flawless Arkonor	0.265727519989
	Platinoid Omber	0.225608497858	Sylvite	0.172474637628
VI – Moon 10	Cobaltite	0.2518633008	Coesite	0.203067466617
	Opulent Pyroxeres	0.187878414989	Titanite	0.357190817595
VI – Moon 11	Brilliant Gneiss	0.247090756893	Coesite	0.358672678471
	Titanite	0.394236564636	N/A	N/A

VI – Moon 12	Immaculate Jaspet	0.214814841747	Monazite	0.121443614364
	Opulent Pyroxeres	0.288341760635	Pellucid Crokite	0.375399798155
VI – Moon 13	Bitumens	0.198706313968	Platinoid Omber	0.293785721064
	Brilliant Gneiss	0.317806124687	Scintillating Hemorphite	0.189701855183
VI – Moon 14	Glossy Scordite	0.200568795204	Opulent Pyroxeres	0.353414475918
	Sylvite	0.182271242142	Platinoid Omber	0.263745516539
VI – Moon 15	Coesite	0.212752386928	Platinoid Omber	0.276784956455
	Scintillating Hemorphite	0.190416261554	Stable Veldspar	0.320046365261
VI – Moon 16	Bitumens	0.216597154737	Flawless Arkonor	0.286260128021
	Immaculate Jaspet	0.29485681653	Jet Ochre	0.202285900712
VI – Moon 17	Bitumens	0.293354272842	Lustrous Hedbergite	0.189289793372
	Platinoid Omber	0.328152239323	Sylvite	0.189203709364
VI – Moon 18	Sparkling Plagioclase	0.224294513464	Sylvite	0.239826515317
	Titanite	0.535878956318	N/A	N/A
VI – Moon 19	Coesite	0.568636417389	Lustrous Hedbergite	0.165731653571
	Opulent Pyroxeres	0.265631943941	N/A	N/A
VI – Moon 20	Brilliant Gneiss	0.290371745825	Pellucid Crokite	0.354058235884
	Sperrylite	0.092403024435	Titanite	0.263166993856
VII – Moon 1	Coesite	0.194630071521	Cubic Bistot	0.268849134445
	Opulent Pyroxeres	0.182008370757	Scintillating Hemorphite	0.354512423277
VII – Moon 2	Coesite	0.18494540453	Flawless Arkonor	0.205219209194
	Glossy Scordite	0.320839494467	Opulent Pyroxeres	0.288995921612
VII – Moon 3	Coesite	0.30030632019	Lustrous Hedbergite	0.318232834339
	Resplendant Kernite	0.17500051856	Zeolites	0.206460312009
VII – Moon 4	Scintillating Hemorphite	0.314547508955	Sparkling Plagioclase	0.362116873264
	Titanite	0.209193959832	Vanadinite	0.114141665399
VII – Moon 5	Coesite	0.196909919381	Cubic Bistot	0.349967688322
	Glossy Scordite	0.453122407198	N/A	N/A
VII – Moon 6	Coesite	0.220211073756	Resplendant Kernite	0.183879092336

	Titanite	0.421507805586	Zeolites	0.174402043223
VII – Moon 7	Resplendant Kernite	0.194832295179	Stable Veldspar	0.270429134369
	Titanite	0.269006282091	Zeolites	0.265732258558
VII – Moon 8	Bitumens	0.310399144888	Brilliant Gneiss	0.216393485665
	Flawless Arkonor	0.282026559114	Zeolites	0.191180825233
VII – Moon 9	Coesite	0.230487048626	Dazzling Spodumain	0.302135020494
	Jet Ochre	0.195842131972	Platinoid Omber	0.271535813808
VII – Moon 10	Scintillating Hemorphite	0.297649890184	Sparkling Plagioclase	0.384831756353
	Titanite	0.214530989528	Vanadinite	0.102987356484
VII – Moon 11	Brilliant Gneiss	0.326036900282	Coesite	0.203200623393
	Zeolites	0.304301887751	Opulent Pyroxeres	0.166460603476
VII – Moon 12	Coesite	0.297351837158	Flawless Arkonor	0.185937851667
	Zeolites	0.217009842396	Platinoid Omber	0.299700468779
VII – Moon 13	Lustrous Hedbergite	0.287867903709	Opulent Pyroxeres	0.18403019011
	Sparkling Plagioclase	0.310425043106	Sylvite	0.217676863074
VII – Moon 14	Bitumens	0.168537005782	Coesite	0.244592085481
	Immaculate Jaspet	0.226078704	Zeolites	0.360792189837
VII – Moon 15	Cubic Bistot	0.195082962513	Flawless Arkonor	0.287042051554
	Jet Ochre	0.313149690628	Sylvite	0.204725265503
VII – Moon 16	Jet Ochre	0.323682963848	Pellucid Crokite	0.189831450582
	Platinoid Omber	0.263951420784	Sylvite	0.222534164786
VII – Moon 17	Brilliant Gneiss	0.216288328171	Coesite	0.204999402165
	Flawless Arkonor	0.267557919025	Zeolites	0.31115436554
VIII – Moon 1	Pellucid Crokite	0.447957932949	Sparkling Plagioclase	0.353101670742
	Zeolites	0.198940396309	N/A	N/A
VIII – Moon 2	Coesite	0.202159956098	Glossy Scordite	0.292837917805
	Pellucid Crokite	0.20328438282	Sylvite	0.301717758179
VIII – Moon 3	Flawless Arkonor	0.315535634756	Loparite	0.215026944876
	Monazite	0.188999831676	Opulent Pyroxeres	0.280437588692
VIII – Moon 4	Coesite	0.294716179371	Sparkling Plagioclase	0.535655021667
	Zeolites	0.16962878406	N/A	
VIII – Moon 5	Pellucid Crokite	0.345657646656	Platinoid Omber	0.194979771972

	Resplendant Kernite	0.267987370491	Zeolites	0.191375225782
VIII – Moon 6	Scintillating Hemorphite	0.393993675709	Sparkling Plagioclase	0.331326603889
	Sperrylite	0.0810061916709	Titanite	0.193673536181
VIII – Moon 7	Brilliant Gneiss	0.644944429398	Coesite	0.160526946187
	Lustrous Hedbergite	0.194528609514	N/A	N/A
VIII – Moon 8	Cobaltite	0.16804151237	Coesite	0.214240178466
	Scintillating Hemorphite	0.203616440296	Titanite	0.414101868868
VIII – Moon 9	Platinoid Omber	0.183731332421	Sparkling Plagioclase	0.247238829732
	Sylvite	0.232326254249	Stable Veldspar	0.336703568697
VIII – Moon 10	Bitumens	0.225619599223	Pellucid Crokite	0.491812944412
	Sylvite	0.282567441463	N/A	N/A
VIII – Moon 11	Glossy Scordite	0.397336781025	Platinoid Omber	0.245697662234
	Titanite	0.356965571642	N/A	N/A
VIII – Moon 12	Bitumens	0.482898205519	Glossy Scordite	0.229038923979
	Stable Veldspar	0.288062870502	N/A	N/A
VIII – Moon 13	Coesite	0.325954943895	Platinoid Omber	0.19000941515
	Glossy Scordite	0.280527591705	Sylvite	0.20350804925
VIII – Moon 14	Jet Ochre	0.218537166715	Resplendant Kernite	0.313373863697
	Sylvite	0.191805586219	Zeolites	0.276283383369
VIII – Moon 15	Chromite	0.106640182436	Dazzling Spodumain	0.401763617992
	Titanite	0.227412328124	Platinoid Omber	0.264183849096
VIII – Moon 16	Bitumens	0.184614285827	Brilliant Gneiss	0.350498497486
	Flawless Arkonor	0.161075055599	Resplendant Kernite	0.303812175989
VIII – Moon 17	Chromite	0.0969577431679	Glossy Scordite	0.363058209419
	Titanite	0.190390348434	Stable Veldspar	0.349593698978
VIII – Moon 18	Bitumens	0.21136495471	Cubic Bistot	0.200587585568
	Titanite	0.395588725805	Sylvite	0.192458763719
VIII – Moon 19	Jet Ochre	0.324752002954	Otavite	0.282835930586
	Sparkling Plagioclase	0.104607470334	Platinoid Omber	0.287804603577
VIII – Moon 20	Immaculate Jaspet	0.227274626493	Resplendant Kernite	0.585635244846
	Sylvite	0.18709012866	N/A	N/A
IX – Moon 1	Coesite	0.336569339037	Flawless Arkonor	0.1992970258

	Sparkling Plagioclase	0.262392371893	Zeolites	0.201741278172
IX – Moon 2	Brilliant Gneiss	0.240009263158	Lustrous Hedbergite	0.279904514551
	Sylvite	0.48008620739	N/A	N/A
IX – Moon 3	Scintillating Hemorphite	0.309470593929	Vanadinite	0.292727291584
	Xenotime	0.2073469311	Ytterbite	0.190455168486
IX – Moon 4	Cubic Bistot	0.259504824877	Otavite	0.362366348505
	Glossy Scordite	0.290659070015	Stable Veldspar	0.0874697491527
IX – Moon 5	Bitumens	0.200997158885	Cubic Bistot	0.308965981007
	Pellucid Crokite	0.328364819288	Glossy Scordite	0.161672025919
IX – Moon 6	Titanite	0.164202690125	Platinoid Omber	0.310928404331
	Vanadinite	0.105670005083	Scintillating Hemorphite	0.419198900461
X – Moon 1	Bitumens	0.300473868847	Flawless Arkonor	0.342745423317
	Coesite	0.183347195387	Jet Ochre	0.173433512449
X – Moon 2	Bitumens	0.179476857185	Jet Ochre	0.189100518823
	Brilliant Gneiss	0.300785899162	Zeolites	0.330636709929

Resource Information Guide

Planetary Resources –

Aqueous Liquids:

Can be extracted from: Oceanic, Barren, Storm, Temperate, Ice and Gas

The abundance of water on terrestrial planets is often a misconception: What many refer to offhandedly as "water" is often an amalgamation of many liquids, microscopic particles, and saturated compounds combined with water and other liquids. Aqueous liquids represent those liquids from which pure water can be separated easily from waste or hazardous particles, but only using the proper equipment.

Autotrophs:

Can be extracted from: Temperate only

At the very bottom of the food chain are autotrophs, those organisms that produce carbohydrates, proteins, and fats for higher life forms to consume. When properly gathered and ordered, they can be plied into industrial fibers, which then go on to contribute to advanced material technologies.

Base Metals:

Can be extracted from: Barren, Lava, Storm, Plasma and Gas

Iron and nickel are two widespread, easily recognized examples of base metals, or those metals that oxidize relatively easily. Their tremendous usefulness in numerous applications ensures that base metals are always in high demand. Thankfully, so is their abundance on most planetary surfaces.

Carbon Compounds:

Can be extracted from: Barren, Oceanic and Temperate

Often referred to as the building blocks of life, carbon compounds form the basis of most organic material; hence, they are ideally suited for use in the early development of advanced, reactive molecules, such as those used in biofuel and supertensile structures.

Complex Organisms:

Can be extracted from: Temperate and Oceanic

Often referred to as the building blocks of life, carbon compounds form the basis of most organic material; hence, they are ideally suited for use in the early development of advanced, reactive molecules, such as those used in biofuel and supertensile structures.

Felsic Magma:

Can be extracted from: Magma only

The churning core of lava planets is rife with felsic magma, or silicate material that is infused with lighter elements, from which basic silicon and other atomic matter may be extracted. Silicon is

abundant on many terrestrial planets, but the fastest and easiest way to obtain it, given advances in planetary mining processes, is from felsic magma.

Heavy Metals:

Can be extracted from: Magma, Plasma and Ice

In small quantities, heavy metals are vital to life, providing essential minerals for biological processes. In bulk, they are commonly found in most construction materials, forming the most basic components of computer electronics and reinforced structures.

Ionic Solutions:

Can be extracted from: Storm and Gas

An electrolyte found in a raw, natural form is called an ionic solution, especially in terms of planetary astronomy. Only after a lengthy process of extraction and refining can the resulting fluid go on to be used for medical, industrial, or nutritive applications.

Microorganisms:

Can be extracted from: Ice, Barren, Oceanic and Temperate

Any life form too small to be detected by the unaided human eye qualifies as a microorganism, yet as a whole, this classification of biology covers an enormous and diverse spectrum. From parasites and viruses to fungi and insects, the study or industrial application of these creatures is just as broad.

Noble Gas:

Can be extracted from: Ice, Storm and Gas

This colorless, odorless, and usually nonflammable substance is one of seven known monoatomic gases, or those that do not easily combine with other atoms. They are thus well suited for a variety of manufacturing implementations.

Noble Metals:

Can be extracted from: Barren and Plasma

Highly resistant to corrosion and oxidation, noble metals are somewhat rarer than base metals, yet they are just as sought after for their different electrical, material, and chemical attributes. When painstakingly refined and purified, some noble metal ores can produce "precious metals."

Non-CS Crystals:

Can be extracted from: Plasma and Magma

The orderly, compact nature of crystals makes them well suited for a staggering array of manufacturing processes, in which they are just as often the product of the factory as they are incorporated into many of the tools and machinery used therein.

Planktic Colonies:

Can be extracted from: Ice and Oceanic

Harvested in mass quantities, planktic colonies are used for much more than just a bulk food source that flourishes in water-rich environments. Their cumulative biomass has advanced properties that contribute to some of the most advanced material and medical sciences in New Eden.

Reactive Gas:

Can be extracted from: Gas

Consisting of any number of volatile atomic structures, reactive gases are the most useful when applied to the fields of explosives, molecular restructuring, and electrical conduction. Great care must be taken when storing or transporting any sizeable quantity.

Suspended Plasma:

Can be extracted from: Magma, Plasma and Storm

When found in harvestable quantities beyond the unapproachable heat of an active star, plasma is said to be in a “suspended” state. Specialized electronic equipment is used to attract the ionized particles into collection tubes, after which it can be stored, transported, or applied to a variety of technologies.

Asteroid Resources –

 Veldspar: The most common ore type in the known universe, veldspar can be found almost everywhere. It is still in constant demand as it holds a large portion of the much-used tritanium mineral. Has three varieties: Concentrated, Dense and Stable providing five, ten and fifteen percent additional yield.

 Scordite: Scordite is amongst the most common ore types in the known universe. It has a large portion of tritanium plus a fair bit of pyerite. Good choice for those starting their mining careers. Has three varieties: Condensed, Massive and Glossy.

 Pyroxeres: Pyroxeres is an interesting ore type, as it is very plain in most respects except one - deep core reprocessing yields a little bit of nocxium, increasing its value considerably. It also has a large portion of tritanium and some pyerite and mexallon. Has three varieties: Solid, Viscous and Opulent.

 Plagioclase: Plagioclase is not amongst the most valuable ore types around, but it contains a large amount of pyerite and is thus always in constant demand. It also yields some tritanium and mexallon. Has three varieties: Azure, Rich and Sparkling.

 Omber: Omber is a common ore that is still an excellent ore for novice miners as it has a sizeable portion of isogen, as well as some tritanium and pyerite. A few trips of mining this and a novice is quick to rise in status. Has three varieties: Silvery, Golden and Platinoid.

 Kernite: Kernite is a fairly common ore type that yields a large amount of mexallon. Besides mexallon the kernite also has a bit of tritanium and isogen. Has three varieties: Luminous, Fiery and Resplendant.

 Jaspet: Jaspet has three valuable mineral types, making it easy to sell. It has a large portion of mexallon plus some nocxium and zydrine. Has three varieties: Pure, Pristine and Immaculate.

 Hemorphite: With a large portion of nocxium, hemorphite is always a good find. It is common enough that even novice miners can expect to run into it. Hemorphite also has a bit of tritanium, isogen and zydrine. Has three varieties: Vivid, Radiant and Scintillating.

 Hedbergite: Hedbergite is sought after for its high concentration of nocxium and isogen. However hedbergite also yields some pyerite and zydrine. Has three varieties: Vitric, Glazed and Lustrous.

 Gneiss: Gneiss is a popular ore type because it holds significant volumes of three heavily used minerals, increasing its utility value. It has a quite a bit of mexallon as well as some pyerite and isogen. Has three varieties: Iridescent, Prismatic and Brilliant.

 Dark Ochre: Considered a worthless ore for years, dark ochre was ignored by most miners until improved reprocessing techniques managed to extract the huge amount of isogen inside it. Dark ochre also contains useful amounts of tritanium and nocxium. Has three varieties: Onyx, Obsidian and Jet.

 Spodumain: Spodumain is amongst the most desirable ore types around, as it contains high volumes of the four most heavily demanded minerals. Huge volumes of tritanium and pyerite, as well as moderate amounts of mexallon and isogen can be obtained by refining these rocks. Has three varieties: Bright, Gleaming and Dazzling.

 Crokite: Crokite is a very heavy ore that is always in high demand because it has the largest ratio of nocxium for any ore in the universe. Valuable deposits of zydrine and tritanium can also be found within this rare ore. Has three varieties: Sharp, Crystalline and Pellucid.

 Arkonor: One of the rarest and most sought-after ores in the known universe. A sizable nugget of this can sweep anyone from rags to riches in no time. Arkonor has the largest amount of megacyte of any ore, and also contains some mexallon and tritanium. Has three varieties: Crimson, Prime and Flawless.

 Bistot: Bistot is a very valuable ore as it holds large portions of two of the rarest minerals in the universe, zydrine and megacyte. It also contains a decent amount of pyerite. Has three varieties: Triclinic, Monoclinic and Cubic.

Moon Resources –

Ubiquitous Ore –

Bitumens: A ubiquitous ore commercially mined from moons, bitumens are very useful as they yield good quantities of hydrocarbons used as basic elements of some advanced materials. Bitumen ores will also yield mexallon, pyerite, and tritanium.

Coesite: A ubiquitous ore commercially mined from moons, coesite is very useful as it yields good quantities of silicates used as basic elements of some advanced materials. Coesite ores will also yield mexallon, pyerite, and tritanium.

Sylvite: A ubiquitous ore commercially mined from moons, sylvite is very useful as it yields good quantities of evaporite deposits used as basic elements of some advanced materials. Sylvite ores will also yield mexallon, pyerite, and tritanium.

Zeolites: A ubiquitous ore commercially mined from moons, zeolites are useful as they yield good quantities of trapped atmospheric gases used as basic elements of some advanced materials. Zeolites ores will also yield mexallon, pyerite, and tritanium.

Common Ore –

Cobaltite: A common ore commercially mined from moons, cobaltite is very useful as it yields good quantities of cobalt, a significant element of many advanced materials. Cobaltite ores will also yield mexallon, pyerite, and tritanium.

Euxenite: A common ore commercially mined from moons, euxenite is very useful as it yields good quantities of scandium, a significant element of many advanced materials. Euxenite ores will also yield mexallon, pyerite, and tritanium.

Scheelite: A common ore commercially mined from moons, scheelite is very useful as it yields good quantities of tungsten, a significant element of many advanced materials. Scheelite ores will also yield mexallon, pyerite, and tritanium.

Titanite: A common ore commercially mined from moons, titanite is very useful as it yields good quantities of titanium, a significant element of many advanced materials. Titanite ores will also yield mexallon, pyerite, and tritanium.

Uncommon Ore –

Chromite: An uncommon ore commercially mined from moons, chromite is quite valuable as it yields good quantities of chromium, an important element of many advanced materials. Chromite ores will also yield hydrocarbons, noxcium, isogen, mexallon, and pyerite.

Otavite: An uncommon ore commercially mined from moons, otavite is quite valuable as it yields good quantities of cadmium, an important element of many advanced materials. Otavite ores will also yield atmospheric gases, nocxium, isogen, mexallon, and tritanium.

Sperrylite: An uncommon ore commercially mined from moons, sperrylite is quite valuable as it yields good quantities of platinum, an important element of many advanced materials. Sperrylite ores will also yield evaporite deposits, zydrine, isogen, mexallon, and tritanium.

Vanadinite: An uncommon ore commercially mined from moons, vanadinite is quite valuable as it yields good quantities of vanadium, an important element of many advanced materials. Vanadinite ores will also yield silicates, zydrine, isogen, mexallon, and pyerite.

Rare Ore –

Carnotite: A rare ore commercially mined from moons, carnotite is valuable as it yields good quantities of technetium, a key element of many advanced materials. Carnotite ores will also yield cobalt, atmospheric gases, zydrine, isogen, and mexallon.

Cinnabar: A rare ore commercially mined from moons, cinnabar is valuable as it yields good quantities of mercury, a key element of many advanced materials. Cinnabar ores will also yield tungsten, evaporite deposits, megacyte, isogen, and mexallon.

Pollucite: A rare ore commercially mined from moons, pollucite is valuable as it yields good quantities of caesium, a key element of many advanced materials. Pollucite ores will also yield scandium, hydrocarbons, zydrine, isogen, and mexallon.

Zircon: A rare ore commercially mined from moons, zircon is valuable as it yields good quantities of hafnium, a key element of many advanced materials. Zircon ores will also yield titanium, silicates, megacyte, isogen, and mexallon.

Exceptional Ore –

Loparite: An exceptional ore commercially mined from moons, loparite is highly valuable as it yields good quantities of promethium, a vital element of many advanced materials. Loparite ores will also yield platinum, scandium, hydrocarbons, megacyte, zydrine, and nocxium.

Monazite: An exceptional ore commercially mined from moons, monazite is highly valuable as it yields good quantities of neodymium, a vital element of many advanced materials. Monazite ores will also yield chromium, tungsten, evaporite deposits, megacyte, zydrine, and nocxium.

Xenotime: An exceptional ore commercially mined from moons, xenotime is highly valuable as it yields good quantities of dysprosium, a vital element of many advanced materials. Xenotime ores will also yield vanadium, cobalt, atmospheric gases, megacyte, zydrine, and nocxium.

Ytterbite: An exceptional ore commercially mined from moons, ytterbite is highly valuable as it yields good quantities of thulium, a vital element of many advanced materials. Ytterbite ores will also yield cadmium, titanium, silicates, megacyte, zydrine, and nocxium.