

# Zacks Small-Cap Research

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## Deep Yellow Limited (DYLLF-OTCQX)

Infill drilling at Tumas 3 has converted 117% of the existing Inferred Resource to Indicated Resource category. EIA Scoping Report submitted. Mining License Application (MLA) filed with the Namibian Ministry of Mines and Energy (MME).

Based on comparative analysis of junior uranium companies in the developmental phase, a mid-second quartile price-to-book (P/B) ratio of 6.1 indicates a share price target of US\$1.29.

All \$ figures in this report are US\$ unless noted otherwise.

Current Price (08/03/21) \$0.53  
Valuation (US\$) \$1.29

### OUTLOOK

**Deep Yellow Ltd.** (OTCQX: DYLLF; ASX: DYL) is **being developed to become a tier-one uranium producer of uranium** ahead of the anticipated up-cycle. Ongoing annual supply deficits and the rationalization of capacity by the major producers, along with production cutbacks due to the pandemic, have hastened the inflection point in uranium's commodity cycle. Management is developing its Namibian uranium projects, one of which (the **Reptile Project**) has advanced to the **work on a DFS**. Management is also **seeking M&A opportunities** to increase the company's reserves and to broaden Deep Yellow's geographic diversification in terms of mining jurisdictions.

### SUMMARY DATA

52-Week High \$0.75  
52-Week Low \$0.17  
One-Year Return (%) 180.8  
Beta 0.81  
Average Daily Volume (shrs.) 215,604

Shares Outstanding (million) 331.8  
Market Capitalization (\$mil.) \$175.2  
Short Interest Ratio (days) 0.2  
Institutional Ownership (%) 19.7  
Insider Ownership (%) 17.8

Annual Cash Dividend \$0.00  
Dividend Yield (%) 0.00

#### 5-Yr. Historical Growth Rates

Sales (%) N/A  
Earnings Per Share (%) N/A  
Dividend (%) N/A

P/E using TTM EPS N/M

P/E using 2021 Estimate N/M

P/E using 2022 Estimate N/M

Risk Level Above Average  
Type of Stock Small - Value  
Industry Mining - Uranium

### ZACKS ESTIMATES

#### Revenue

(in \$AUD)

	Q1	H1	Q3	H2	Year
		(Dec)		(Jun)	(Jun)
2018		200,442 A		214,237 A	414,679 A
2019		210,688 A		133,959 A	344,647 A
2020		191,829 A		142,825 A	334,654 A
2021		142,767 A		84,233 E	277,000 E

#### Earnings per Share

(EPS is operating earnings before non-recurring items)

	Q1	H1	Q3	H2	Year
		(Dec)		(Jun)	(Jun)
2018		-\$0.0065 A		-\$0.0069 A	-\$0.0134 A
2019		-\$0.0089 A		-\$0.0101 A	-\$0.0190 A
2020		-\$0.0090 A		\$0.0204 A	\$0.0119 A
2021		-\$0.0085 A		-\$0.0080 E	-\$0.0165 E

EPS in \$AUD

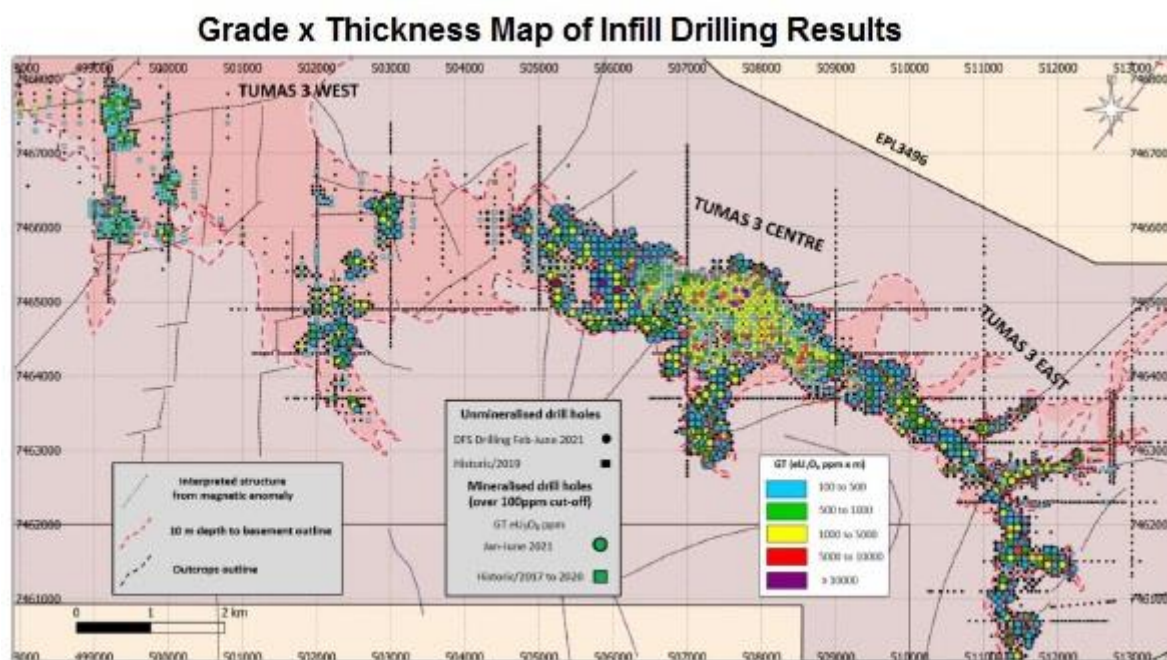
Quarterly EPS may not equal annual EPS total due to rounding.

## EXECUTIVE SUMMARY OF RECENT EVENTS

The goal of Deep Yellow's management is for the company to **become a Tier I multi-jurisdictional uranium producer** during the current uranium up-cycle. Management is pursuing activities that will support the completion of a DFS, including **an objective of achieving a +20-year LOM operation**, up from the 11 ½ years in the PFS.

Several **highly significant milestones** have been **achieved over the last six months**.

A **multi-phase infill drilling program** was completed **over area of Tumas 3** (West, Central & East) which was comprised of a **17,679-meter campaign** that consisted of 911 RC holes. The initial focus was on Tumas 3 East, and then the program moved to Tumas 3 Central & West. The infill drilling program targeted the lateral extensions of the Tumas 3 deposits. Drill holes were surveyed with down-hole radiometric gamma logging providing data to **confirm grade continuity** across the drilled areas, which is exemplified by the **GT interval** (grade x thickness) **map** below.



Deep Yellow Press Release July 29, 2021

The drilling program at Tumas 3 contributed to a **significant upgrade of the company's estimated resources**. The **Tumas 3 deposit** now has estimated Indicated & Inferred Resources of **59.9 million lbs. U<sub>3</sub>O<sub>8</sub>** grading at 308ppm uranium, of which 54.9 million lbs. is classified as Indicated at 320ppm uranium. The infill drilling program upgraded 117% of prior existing Inferred Resources to the Indicated category.

### *Estimated Mineral Resources of Tumas 3*

#### **Estimated Measured, Indicated and Inferred Resources of Tumas 3**

Deposit	Category	Cut-off (ppm)	Tonnes (MM)	U3O8 (ppm)	U3O8 (t)	U3O8 (Mlb)	Resource Measured	Categories Indicated	(Mlb U3O8) Inferred
<b>CALCRETE MINERALIZATION</b>									
Tumas 3 Deposits	Indicated	100	78.0	320	24,900	54.9	-	54.9	-
Tumas 3 Deposits	Inferred	100	10.4	219	2,265	5.0	-	-	5.0
<b>Sub-total Tumas 3</b>		<b>100</b>	<b>88.4</b>	<b>308</b>	<b>27,165</b>	<b>59.9</b>	<b>0.0</b>	<b>54.9</b>	<b>5.0</b>

Deep Yellow Press Release July 29, 2021 & Analyst's Work

Consequently, **Total Measured and Indicated Resources** for **Tumas Project** (Tumas 1, Tumas 2 & Tumas 3 deposits) are now estimated to be **79.1 million lbs. U<sub>3</sub>O<sub>8</sub>** at 271ppm, **up 508%** from the estimated **Measured & Indicated** Resources of 13.0 million lbs. U<sub>3</sub>O<sub>8</sub> in October 2016 (when the current management took charge).

***Estimated Measured and Indicated Mineral Resources of Tumas Project (1, 2 & 3)***

**Tumas 1, Tumas 2 and Tumas 3  
Estimated Measured & Indicated Resources**

Deposit	Category	Cut-off (ppm)	Tonnes (MM)	U3O8 (ppm)	U3O8 (t)	U3O8 (Mlb)	Resource	Categories
							Measured	Indicated
CALCRETE MINERALIZATION								
Tumas 1 & 2 Deposits	Measured	100	0.0	0	0	0.0	0.0	-
Tumas 1 & 2 Deposits	Indicated	100	54.1	203	11,000	24.2	-	24.2
Tumas 3 Deposits	Indicated	100	78.0	320	24,900	54.9	-	54.9
Total of Tumas 1, 2 and 3		100	132.1	271	35,900	79.1	0.0	79.1

Deep Yellow Press Release July 29, 2021 & Analyst's Work

***Total Estimated Mineral Resources of Deep Yellow***

Since 2016 (when current management took charge), the **company's exploration campaigns have increased its estimated Total Resources** (Measured, Indicated & Inferred) **by 109%** from 93.8 million lbs. U<sub>3</sub>O<sub>8</sub> in 2016 **to 195.8 million lbs. U<sub>3</sub>O<sub>8</sub>** in July 2021. Importantly, **infill drilling programs have increased Indicated Resources by 196%** through the discovery of additional Indicated Resources and the conversion of Inferred Resources to the Indicated category.

**Total Mineral Resources**

MM lbs. U3O8	Resource Categories			Totals
Year	Measured	Indicated	Inferred	
Oct. 2016	11.0	34.4	48.4	93.8
Feb. 2021	11.0	75.4	99.3	185.7
July 2021	11.0	101.9	82.9	195.8

Source: Analyst's Work

Only 60% of the known palaeochannel system has been drilled. An additional 50 kilometers remains to be tested. The expanded resource base is expected to help support management's 20-year LOM target.

***Definitive Feasibility Study (DFS)***

The Definitive Feasibility Study (DFS) for the Tumas Project is progressing as work continues on the economic feasibility of mining the calcrete-associated palaeochannel uranium deposits, pit optimization studies and additional metallurgical optimization test work. **Results of these trade-off and optimization studies are expected to be announced periodically during the second half of 2021.**

***Environmental Impact Assessment***

Baseline studies on groundwater, radiological, air quality, and flora & fauna conditions were completed for the Environmental Impact Assessment (EIA) during the first half of 2021. Thereafter,

the **EIA Scoping Report** for the Tumas Project **was delivered to the relevant agencies of the Namibian Government** on July 15, 2021. The submission (and approval) of an EIA is required before the Environmental Commissioner can issue an Environmental Clearance Certificate (ECC), which is a requirement for a Mining License.

### **Mining License**

On July 21, 2021, Deep Yellow filed a **Project Mining License Application** was filed with the Namibian Ministry of Mines and Energy (MME) for the Tumas Project area. As part of the process, the MME will require submission of the DFS on the Tumas Project, an Environmental Impact Assessment (**EIA**) and an Environmental Management Plan (**EMP**). Once an Environmental Clearance Certificate (**ECC**) is granted by the Ministry of Environment, Forestry and Tourism, Mining License (MLA 237) can be granted by the MME. The process is expected to require 18 months to complete.

### **Location of Tumas MLA 237 Registered with MME**



Deep Yellow Press Release July 27, 2021

Effective May 27, 2021, Deep Yellow Limited was **added to the MSCI** (Morgan Stanley Capital International) **Global Market Cap Index** as part of MSCI's semi-annual rebalancing procedure. Consequently, Deep Yellow was **also added to the Australia Micro-Cap Index**. Many professional portfolio managers and mutual funds benchmark to these indices. 95 of the world's 100 largest money managers are clients of MSCI's indice database and analytics. Consequently, the **shareholder base** of Deep Yellow should **broaden**, and the stock should experience **greater liquidity**. In addition, the inclusion of the company's stock into these two indices should **expand awareness** of Deep Yellow among investors, both retail and institutional.

## **OUTLINE OF SIGNIFICANT MILESTONES ACHIEVED DURING 2021**

- 1) In February 2021, a **positive Pre-Feasibility Study (PFS)** was completed on the Tumas Project, aka the Reptile Project, including a **Maiden Reserve** for the Project
- 2) Work on the **Definitive Feasibility Study (DFS)** **commenced in February 2021** with an expected completion date by the end of calendar 2022
  - a. A **multi-phase drilling program** is focused on
    - i. converting Inferred Resources to Indicated Resource JORC status
    - i. defining the boundaries of the Tumas 3 deposit, a generally east-west trending, calcrete-type palaeochannel system
    - ii. **expanding the Life of Mine (LOM)** from 11.5 years (defined by the PFS) to **at least 20 years** in the upcoming DFS with an anticipated annual production rate of approximately 3.0 million pounds



- b. 17,679-meter infill drilling program consisting of 911 RC holes at Tumas 3 completed
    - i. Phase 1: 6,987-meter infill drilling program consisting of 445 RC holes at **Tumas 3 East** was completed on April 28, 2021
    - ii. Phase 2a: 7,634-meter infill drilling program at **Tumas 3 Central** consisting of 359 RC holes was completed on May 27, 2021
    - iii. Phase 2b: 3,058-meter infill drilling program at **Tumas 3 West** consisting of 107 RC holes was completed on June 18, 2021
  - c. An **intermediate, updated Mineral Resource Estimate for Tumas 3** was announced on July 29, 2021.
    - i. 2021 infill drilling program at Tumas 3 converted 117% of the existing Inferred Resource to the Indicated Resource category
    - i. an additional 5.7 million pounds of Indicated Mineral Resources were identified from peripheral zones
    - ii. **total Indicated Resource** now estimated to be **54.9 million pounds eU3O8** (at 320 ppm) versus prior estimate of 28.4 million pounds (at 299ppm)
  - a. Currently, a RC drilling program at **Tumas 1 East** is in process
- 3) NOVA JV
- a. 3,213-meter drilling campaign at the Barking Gecko Project completed on March 30, 2021
    - i. Two highly prospective zones identified
      - 1. **Barking Gecko North**: 2 km by 1 km (open to the east, SE and at depth)
      - 2. **Barking Gecko South**: 4 km by 0.5 km (open to the NW and SE)
  - b. Deep Yellow, JOGMEC and Toro agreed to a 12-month program with a budget of AUD\$1.1 million.
    - i. Phase 1: 14-hole, 3,500-meter RC drilling program (\$580,000) to follow up on the encouraging results above. Drilling commenced on July 12<sup>th</sup> and is expected to be completed in August.
- 4) Successful completion of financings to fund management's dual-pillar growth strategy, namely advancing the Tumas Project to production and becoming a multi-jurisdictional producer
- a. The completion of a **AUD\$ 40.8 million private placement** (62,768,803 ordinary shares at AUD\$0.65 per share) in February 2021
  - b. An oversubscribed Share Purchase Plan was completed in late March 2021. Gross proceeds were approximately **AUD\$2.00 million**
  - c. In June 2022, options exercisable at \$0.50 expired. The exercise of some of these options provided approximately AUD\$3.28 million
  - d. As of June 30, 2021, the company's cash balance was AUD\$52.4 million (US\$ 38.5 million) compared to AUD\$51.3 million as of March 31, 2021.
  - e. The net proceeds plus cash on hand will be utilized
    - i. to fund drilling programs
    - ii. to complete the DFS on the Tumas Project
    - iii. to pursue acquisitions/ mergers

## MANAGEMENT'S STRATEGY

**Deep Yellow Ltd. is unique among junior mining companies** and is being positioned to provide a leveraged opportunity to participate in all phases of the expected upswing in uranium prices under a Dual Pillar strategy. **Management is focused on becoming a Tier I uranium producer**, defined as a multi-project producer of uranium with the capacity to deliver 5-10 million lbs. of uranium annually. In other words, we expect management to remain focused on pursuing only one or two acquisitions in order to achieve the company's stated objective and to execute the development of the projects on a rigorous timetable.

CEO John Borshoff and his team previously achieved the same accomplishment with Paladin Energy Ltd by acquiring, developing and advancing the Langer Heinrich deposit into production

within four years (2002-2006) and the Kayelekera Mine in Malawi (production 2009 to 2013) during the last uranium up cycle.

The Langer Heinrich uranium mine is situated 30km northeast of the Tumas Project. Deep Yellow's executive team acquired, defined, funded, developed, optimized and operated Langer Heinrich from 2002 to 2017. The geology and type of deposit mineralization in these palaeochannel systems at Langer Heinrich and Tumas are quite similar, and the mining jurisdiction is one in the same. Management is well-prepared to fast-track Tumas to production during this uranium up-cycle.

The first Pillar is organic growth, advancing the company's Namibian uranium tenements. The company's current flagship project, the 100%-owned **Reptile Project**, is in the exact same jurisdiction and shares the same palaeochannel network as Langer Heinrich mine, as does EPL 3669 in the NOVA JV, in which Deep Yellow held a 65% interest, which was reduced to 39.5% interest when Japan Oil, Gas and Metals National Corporation (JOGMEC) concluded spending the AUD\$4.5 million earn-in interest of 39.5% in September 2020. Also, basement/alaskite deposits are being investigated.

If the development process advances smoothly, management anticipates that the Tumas Project will enter production phase in two or three years, which dovetails with the beginning of the expected uranium shortage to become ominous with a blatant supply/demand imbalance in the 2023/24 timeframe with price of uranium increasing the US\$60-to-US\$70 per lb. range.

Management anticipates that the Deep Yellow's current Namibian EPLs (Exclusive Prospecting Licenses) could produce 2.5-to-3.5 million lbs. of uranium annually over a LOM of over 20 years and generating an IRR of at least 20%. Operating costs are expected to be in the area of US\$30 per pound.

Over the last five years, the **company's exploration campaigns have increased its estimated Namibian resources** by 109% from 93.8 million lbs.  $U_3O_8$  in 2016 to **195.8 million lbs.  $U_3O_8$**  in July 2021. Importantly, **infill drilling programs have increased the Indicated Resource 196%** through the discovery of additional Indicated Resources and the conversion of Inferred Resources to the Indicated category.

The management's Dual Pillar growth plan also calls for diversifying the company's uranium portfolio by **pursuing acquisitions/mergers** in order to create a multi-jurisdictional portfolio of uranium projects that mitigates operational, geographic and political risks. When utilities look to enter into an off-take primary supply contract with a producer, one of the many aspects considered is the ability to fulfill the contract, which entails ensuring a secure and reliable supply of uranium. Management continues assess and evaluate advanced M&A opportunities.

The net proceeds and cash are targeted **to fund management's strategic initiatives**, namely

- 1) the completion of a DFS, including the ongoing drilling programs to expand and upgrade the resource at the Reptile Project,
- 2) the advancement of the NOVA JV's exploration campaigns and
- 3) the pursuit of the strategic goal of establishing a multi-jurisdictional uranium company through a selective acquisition and/or merger while the uranium industry is still in a generally low uranium price environment

**We expect that management will deliver on its plan** to become a tier-one uranium producer with an annual operating capacity of 5-to-10 million lbs. of  $U_3O_8$ , both through organic growth by means of developing its Namibian projects and through acquiring and developing additional uranium projects located in other jurisdictions.

## OVERVIEW OF URANIUM INDUSTRY

The **uranium industry** is setting up for an anticipated accelerated rise in uranium prices.

- **Supply/demand imbalances** in the past have created three distinct commodity cycles in the uranium industry. Each cycle has begun with an increase in the price(s) of uranium and of uranium equities (both major established producers and junior mining companies), which has **culminated in a rapid, exponential 1-2 year rally** in uranium stocks.
- Over the last five years (2015-2019), **demand has been growing steadily**. Over the next five years, **global nuclear reactor uranium requirements are expected to grow in the 0.5%-to-2.5% range**.
- The majority of uranium is supplied to nuclear power plants through **long-term contracts** which are priced at a premium to spot market. Though currently these long-term contracts allow certain uranium producers to continue selling some of their uranium production profitably, about half of the uranium producers have operating costs that are above the current spot price.
- Prior to the pandemic-related shut downs, **over 53 million lbs. U<sub>3</sub>O<sub>8</sub> of capacity have been mothballed since 2013** through the shutdowns of unprofitable mines or by the intentional capacity rationalization by major producers (Kazatomprom and Cameco).

The uranium industry is composed of many companies, from major established producers to more speculative junior exploration companies. Though larger producers tend to have greater resources to navigate periods of depressed market conditions, junior companies provide greater leverage to the rise in uranium prices.

Almost all uranium stocks should benefit from the anticipated growth of much needed primary supply driven by the expected upcoming fundamental supply deficit; however, certain groups of uranium stocks benefit differently from each stage of the up-cycle. Historically (observing the 2001-2007 up-cycle), current producers reacted well to the **initial rise in prices** (since their current production could immediately benefit from the increase in the price of uranium), and they significantly outperformed the price of the commodity, itself. However, extreme out-sized returns were enjoyed by junior mining companies that traded below \$0.25 per share at the bottom.

Then, there was a **mid-phase** when the rate of increase of the spot price of uranium moderated to a single-digit rate. In this period, junior mining companies corrected about 50%, while producers corrected about half that amount (around 25%). During the **latter phase**, when the uranium spot price surged irrationally, junior mining companies that have become producers (and the commodity) exhibited solid triple-digit returns from the consolidation low that had occurred in the mid-phase. Surprisingly, in this late phase, out-sized returns were achieved by junior mining companies which announced, at that instant, they were entering the uranium space; on the other hand, these same junior companies later experienced greater than 95% declines as the cycle eventually unwound.

## OVERVIEW OF DEEP YELLOW LTD

Headquartered in Subiaco, Western Australia, Deep Yellow Limited (ASX: DYL) (OTCQX: DYLLF) is a **junior uranium company** whose **management is focused on becoming a tier-one uranium producer** by becoming a secure and reliable supplier of uranium. The company's CEO, John Borshoff, achieved the same accomplishment as Founder and CEO of Paladin Energy by acquiring, developing and advancing both the Langer Heinrich mine into production within four years and, three years later, the Kayelekera mine in Malawi during the last uranium up cycle. Furthermore, Deep Yellow's current flagship project, the **Reptile Project**, is in the exact same jurisdiction and shares the

same palaeo-channel network as Langer Heinrich mine. To be sure, Deep Yellow has uranium assets and management experience to walk the same path again during the current up cycle.

In October 2016, John Borshoff was appointed CEO and Managing Director of Deep Yellow, and the company's focus shifted from not only expanding the resource base through exploration, but also pursuing multiple projects in order to create a multi-jurisdictional uranium platform. (See Corporate Strategy section below)

Deep Yellow was formed in 2005 with Paladin Energy later becoming a major shareholder from 2005 to 2017. Initially, the company focused on several Australian projects, but in October 2006, Deep Yellow merged with Raptor Partners Limited, a BVI registered company, in order to secure prospective uranium prospects in Namibia (EPL 3496, EPL 3497 and EPL 3498 and one other EPL application at the time, which was later disposed).<sup>i</sup>

The **Reptile Project** consists of EPL 3496 and EPL 3497, which encompass **959.4 square kilometers**. The advanced project contains both palaeochannel-calcrete and basement/alaskite uranium deposits with JORC-compliant resource estimates. Combined, these deposits represent approximately 86.4 million lbs. U<sub>3</sub>O<sub>8</sub> of Measured and Indicated Mineral Resources and 99.3 million lbs. U<sub>3</sub>O<sub>8</sub> of Inferred Mineral Resources. A **Scoping Study (SS)** has been completed on the **Tumas deposits** (which represent 37.2 million lbs. U<sub>3</sub>O<sub>8</sub> of Measured and Indicated Mineral Resources), and a **Pre-Feasibility Study (PFS)** was commissioned in January 2020 and completed in January 2021.

Also within six months of John Borshoff being appointed CEO, in late-March 2017, Deep Yellow entered into a joint venture agreement with JOGMEC (Japan Oil, Gas and Metal National Corporation) regarding the **NOVA Joint Venture** (or NOVA JV). In August 2020, JOGMEC earned a 39.5% interest in the project through exploration and development expenditures of **AUD\$4.5 million**. The NOVA JV encompasses **556.8 square kilometers**. Deep Yellow continues to be the manager of the NOVA JV holding 39.5% interest in the project.

## **Namibia**

Namibia is a mining-friendly jurisdiction and has become the world's fourth largest producer of uranium. The government has effectively developed, supported and regulated the uranium mining industry. Namibia is a proven mining jurisdiction with well-developed infrastructure, including highways, formed roads, power grid and a deep water port (Walvis Bay).

The cost of exploration in Namibia is low. The shallow depth of Namibia's palaeo-channel calcrete-hosted uranium deposits is conducive to low-cost RC drilling. Metallurgical test work was anticipated to require diamond core sample material; however, comparative test work between RC and diamond drilling samples showed future work could be carried out using RC samples only, a significant cost savings. In addition, the location is primarily desert terrain, allowing for drilling large areas easily and rapidly.

## **Corporate Strategy**

Confident in the impending up-cycle in uranium, management embarked on a **Dual Pillar growth strategy** consisting of both organic and inorganic growth initiatives. Organically, management is focused on exploring and developing Deep Yellow's existing **portfolio of Namibian projects** (Reptile, NOVA JV and Yellow Dune) from exploration to production. The company's primary focus is on **advancing the Reptile Project** through continued exploration with the resource having been increased and/or upgraded three times within the last few years.

The **second pillar** of management's growth plan is to **diversify the company's uranium portfolio by pursuing acquisitions/mergers** in order to create a multi-jurisdictional portfolio of low-cost uranium projects. When utilities look to enter into an off-take primary supply contract with a producer,



one of the many aspects considered is to ensure a secure and reliable supply of uranium is the ability to fulfill the contract. In the eyes of utility buyers, being a multi-jurisdictional uranium producer mitigates operational, geographic and political risks.

Through organic and inorganic growth initiatives, **management's goal is to build a multi-project, low cost, tier 1 uranium producer with the capacity to deliver 5-10 million lbs. of uranium annually.**

### **Management**

Utility buyers (and investors) look for assurance that management can effectively execute its strategy. Deep Yellow has a **leadership team with a proven track record** that has delivered in the past. Most significantly, under CEO John Borshoff, Paladin Energy acquired the Langer Heinrich Project from Aztec Resources in 2002 and within four years, commenced uranium mining operations in 2006. Paladin also acquired Kayelekera in Malawi (initially through a joint venture and later purchasing the entire project outright) and brought this mine into production in 2010. Moreover, most of Deep Yellow's management team worked together at Paladin. Uranium mining projects face a multifaceted array of economic, environmental, regulatory, technical and geopolitical issues. In order to be successful, the **management team** of a junior uranium mining company **needs the technical, regulatory, financing and geopolitical experience** to navigate the necessary steps of exploration, environmental studies, metallurgical process design, mining lease application, permitting, mine construction and final fine-tuning of the process.

### **Equity Milestones**

In June 2018, the company's shares began trading on the OTCQB Venture Market, and within months, was **uplisted to the OTCQX Best Market**. Now, DYLLF is Depository Trust Company (DTC) eligible. The OTCQX listing should expand awareness of the company among US investors, both retail and institutional. The company's primary listing continues to be the Australian Stock Exchange (ASX) under the symbol DYLL. The company is also listed on the Namibian Stock Exchange (DYL) and the Frankfurt Exchange under the symbol JMI.

On January 29, 2021, **Deep Yellow achieved the recognition of being ranked in the OTCQX Best 50**, a ranking formulated by being among the 50 best performing stocks out of the 462 companies traded on OTCQX Best Market, along with such quality standards as complying with financial standards and exhibiting average daily dollar volume growth.

Effective May 27, 2021, Deep Yellow Limited was **added to the MSCI** (Morgan Stanley Capital International) **Global Market Cap Index** as part of MSCI's semi-annual rebalancing procedure. Consequently, Deep Yellow was **also added to the Australia Micro-Cap Index**. Many professional portfolio managers and mutual funds benchmark to these indices. 95 of the world's 100 largest money managers are clients of MSCI's index database and analytics. Consequently, the **shareholder base** of Deep Yellow should **broaden**, and the stock should experience **greater liquidity**. In addition, the inclusion of the company's stock into these two indices should **expand awareness** of Deep Yellow among investors, both retail and institutional.

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## **REPTILE PROJECT**

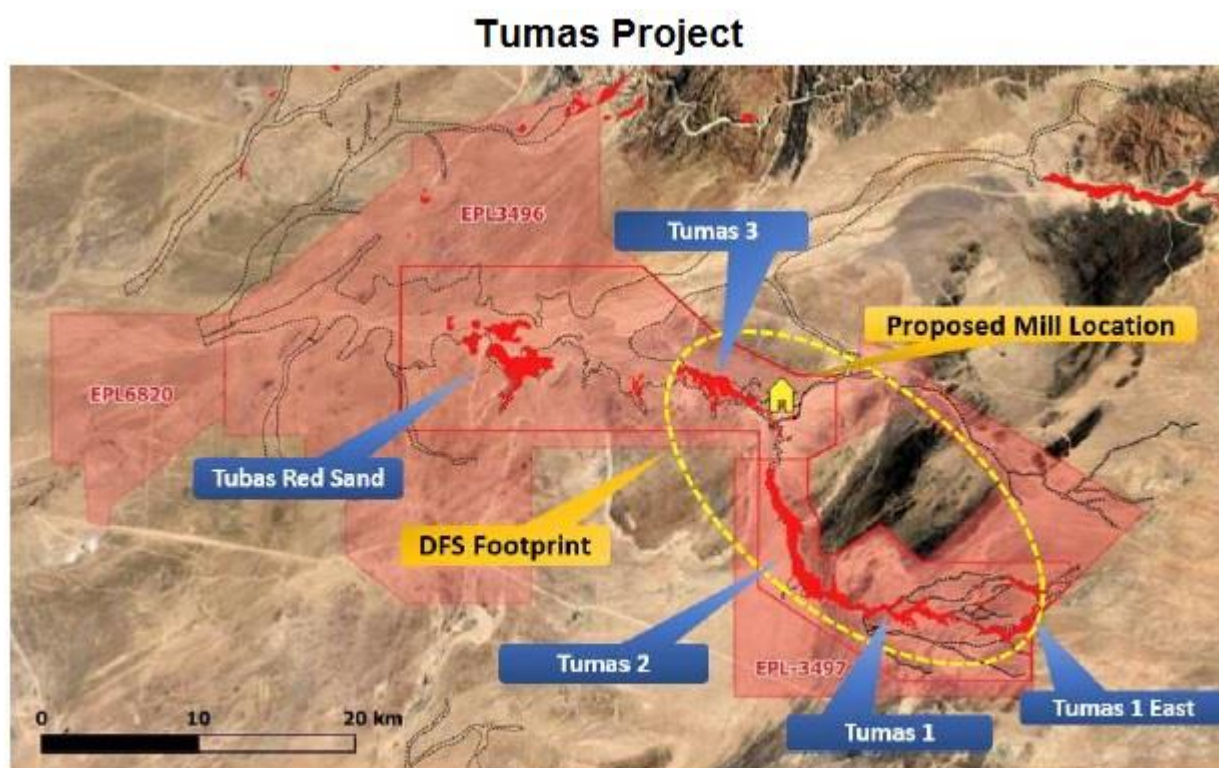
Located in the Erongo Region of western of Namibia, Deep Yellow's **Reptile Project** is held by Deep Yellow's wholly owned subsidiary Reptile Uranium Namibia (Pty) Ltd (RUN). The Reptile Project consists of two EPLs (3496 and 3497), which encompass approximately 67,193 and 28,751 hectares, respectively (or **959.4 square kilometers** in total). The EPLs were initially granted by the Namibian Ministry of Mines and Energy on June 6, 2006 and most recently renewed for a 2-year

term in August 2019. Both EPLs are **100% owned** by RUN. An EPL application for 6820, a 20,530-hectare size increase, was submitted in August 2017 and is pending.

## Geology

The tenements contain an extensive sub-surface **palaeo-channel network** containing calcrete<sup>ii</sup> formations, which is a highly prospective environment for uranium, particularly in Namibia, but also in parts of northern Africa and Australia. Palaeochannels are remnants of inactive river channels, and when conditions were suitable, mobilized uranium mineralization was deposited by groundwater into the calcrete (carbonate-cemented sandstones and conglomerates) formations of these ancient river channels. The most common uranium mineralization found in calcrete-type deposits is carnotite, a radioactive, yellow uranium/vanadium mineral.

In Namibia, palaeo-channel calcrete-hosted uranium deposits have been discovered and successfully mined at Langer Heinrich and extracted from trial mining at Trekkopje. In the map below, the **black dotted lines** outline the palaeo-channel network within the Reptile Project while the **dark red areas** denote discovered uranium deposits.



Deep Yellow Quarterly Activities Report July 20, 2021

Palaeo-channel calcrete-hosted uranium deposits tend to be very shallow deposits. The ore usually can be mined with conventional open pit methods (drilling, blasting, loading and hauling). Relatively, the mining process would not be an overly complicated process, and Namibia's infrastructure could easily accommodate the necessary transportation and power requirements. The deposits at Tumas 1, 2 and 3 are close in proximity to each other, providing the **opportunity for a centralized mill facility**.

In addition, at a later date, the company intends to pursue a second type of uranium mineralization at the Reptile Project described as **basement/alaskite**. Usually referred to as uraniferous leucogranites, alaskite (a local term) dyke-like formations were formed by molten granite intruding into sedimentary rock. It is postulated elevated uranium grades occur when high-grade metamorphism causes a partial melting of basement rocks, which enhances the transportation and enrichment of uranium ore, such as at Rössing South.

**Alaskite Alley**, a north-south trending zone of occurrences of uraniferous leucogranite, currently supports two mines (Rössing and Husab), where the primary mineralization of the ore bodies is usually found in sheets of uranium-rich, granite-hosted alaskite (pegmatitic alkali-leucogranite). Rössing and Husab are almost due north of the Reptile Project, and Alaskite Alley **appears to cut through the western part of Deep Yellow's EPL 3496** tenement, in which Deep Yellow has discovered three small uranium deposits (Ongolo, MS7 and INCA). This prospective area has been relatively unexplored and currently is not a priority undertaking; however, it does represent a potentially substantial opportunity to discover additional uranium resources within EPL3496.

### **Tumas-Tubas**

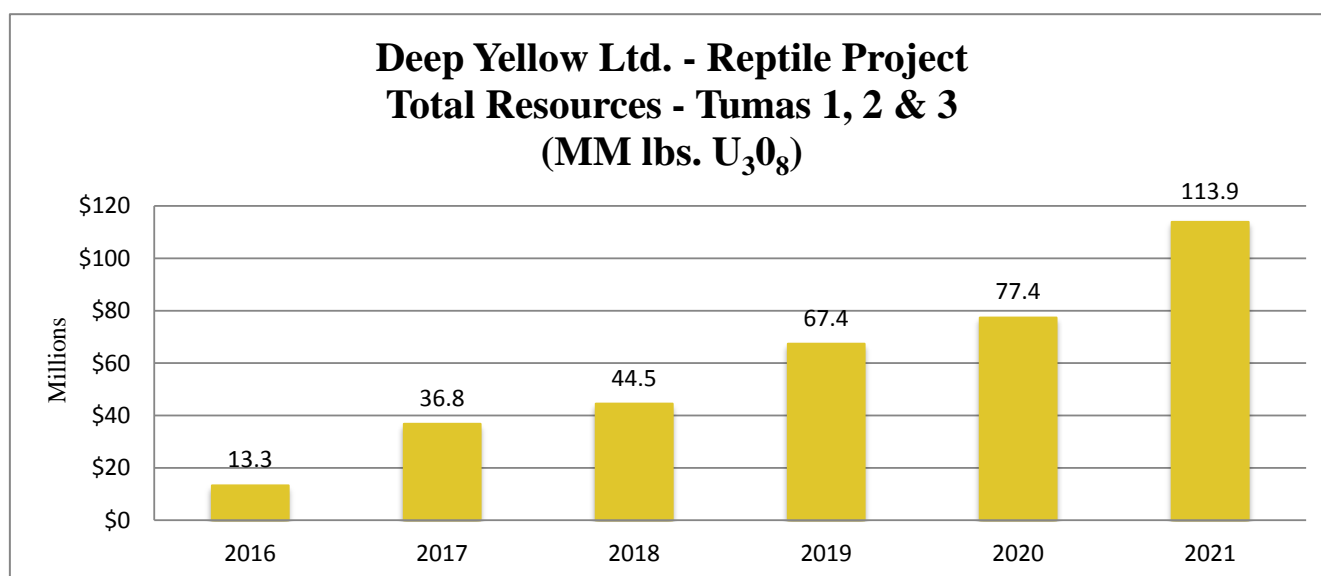
Six palaeochannel-calcrete uranium deposit areas are being advanced under the Reptile Project: Tumas 1, Tumas 1 East, Tumas 2, Tumas 3, Tubas and Tubas Red Sands, of which **Tumas 3** is currently the most significant. The most recent **total Measured and Indicated Resource** at Tumas 1, 2 and 3 deposits, along with Tubas Red Sand deposit, is 83.2 million lbs. eU<sub>3</sub>O<sub>8</sub>.

### **Tumas 1, Tumas 2 and Tumas 3**

Management has narrowed the focus to the higher-grade Tumas 1, 2 and 3 deposits, which were the subjects of a Scoping Study completed in December 2019, a Pre-Feasibility Study completed in January 2021 and an ongoing Definitive Feasibility Study, which is expected to be completed by December 2022.

Overall, the **Tumas resource base** (at Tumas 1, 2 and 3) has been upgraded in quality from the estimated **Measured & Indicated** Resources of 13.0 million lbs. U<sub>3</sub>O<sub>8</sub> in October 2016 (when the current management took charge) to **79.1 million lbs. U<sub>3</sub>O<sub>8</sub>** today.

The uranium mineralization at the **Tumas 3** deposit has a **strike length of approximately 4.9km**. The **width ranges from 700 meters to 1,500 meters**, and the maximum depth extends to 45 meters. Within the area of infill drilling in the Central zone of the Tumas 3 deposit (a 2.6km strike length), the **thickness of the seam-like horizon varies from 1 meter to 18 meters**, and occurs at a **depth from 2 meters to 25 meters**.



Source: Analyst's Work

The Tumas palaeo-channel system continues to be highly prospective and is management's major focus within the Reptile Project, along with the channel's continuation to the Tubas deposit and beyond to the west. Through exploration activities and drilling campaigns, the estimated **total**

**resources** (Measured, Indicated and Inferred) at **the Tumas 1, 2 and 3 deposits have increased 756% from 13.3 million lbs. U<sub>3</sub>O<sub>8</sub> in 2016** (when the current management took charge) **to 113.9 million lbs. U<sub>3</sub>O<sub>8</sub> today.**

### **Reptile Project Drilling Programs**

In a little over three years, management has delivered a remarkable increase in the project's estimated resources through **aggressive drilling campaigns** targeting the palaeochannel-calcrete deposits. An outline of the drilling programs follows.

- March – July 2017: 10,545-meter infill RC drilling program (400 holes)
  - **Discovered Tumas 3 deposit** (added Inferred Resource of 23.5 million lbs. U<sub>3</sub>O<sub>8</sub>).
- February – June 2018: 10,765-meter RC drilling programs (363 holes) targeted east and west of the Tumas 3 deposit
  - Increased Tumas 3 Inferred resource estimate to 31.2 million lbs. U<sub>3</sub>O<sub>8</sub>.
- July – August 2018: 2,171 meter RC drilling program (148 holes) of exploratory drilling north of the Tumas 1 deposit
- September – October 2018: 2,173-meter exploratory RC drilling program (180 holes) east of the Tumas 1 deposit
  - **Identified multiple tributaries** of Tumas 1 East confirming that the complex palaeo-channel system contains channels and tributaries
- October – November 2018: 1,927-meter infill RC drilling program (156 holes) east of the Tumas 1 deposit
  - Produced maiden Tumas 3 Inferred resource estimate of 18.5 million lbs. U<sub>3</sub>O<sub>8</sub>.
- November– December 2018: 2,499-meter infill resource RC drilling program (81 holes) at Tumas 3 West
  - Increased Tumas 3 Inferred resource estimate to 33.1 million lbs. U<sub>3</sub>O<sub>8</sub>.
- March – April 2019: 1,951-meter infill RC drilling program (211 holes) on deposit east of Tumas 1
  - Outlined shallow (2-15 meters below surface) 3 km channel of continuous calcrete uranium mineralization ranging from 100-to-600 meters in width
- March – April 2019: 1,313-meter preliminary test RC drilling program (47 holes) targeted central zone of the Tumas 3 deposit
  - Identified 1.6 km of continuous calcrete uranium mineralization ranging from 200-to-400 meters in width and up to 11 meters thick
- July – August 2019: 895-meter exploration and infill RC drilling program (118 holes) targeted Tumas 1 East
  - Increased Inferred resource estimate to 24.8 million lbs. U<sub>3</sub>O<sub>8</sub>.
- July – December 2019: 3,938-meter exploration RC drilling program (147 holes) targeted Tubas Red Sand and Tubas Calcrete areas
  - Identified three areas for in-fill resource drilling
- August – October 2019: 3,214-meter infill RC drilling program (144 holes) targeted Tumas 3 East, West and Central areas
- October 2019 – March 2020: **diamond drilling campaign** obtained suitable mineralized material **for metallurgical work**
- January – March 2020: 5,154-meter infill RC drilling program (246 holes) targeted Tumas 3
  - **Converted 24.1 million lbs. of Inferred resource to Indicated category**
- Sept. – October 2020: 1,115-meter infill RC drilling program (53 holes) targeted Tumas 3 deposit: downhole scanned with **optical scanner** technology to access grain size distribution
- Oct. – Dec. 2020: 1,831-meter RC drilling program (70 holes) targeted Tubas area, including Tubas Red Sand and Tubas Calcrete deposits
- Feb. – April 2021: 6,987-meter RC drilling program (445 holes) completed at **Tumas 3 East**
- April –May 2021: 7,634-meter RC drilling program(359 holes) completed at **Tumas 3 Central**
- May – June 2021: 3,058-meter RC drilling program (107 holes) completed at **Tumas 3 West**



## Reptile Project - Uranium Calcrete Deposits

### Estimated Measured, Indicated and Inferred Resources

Deposit	Category	Cut-off (ppm)	Tonnes (MM)	U3O8 (ppm)	U3O8 (t)	U3O8 (Mlb)	Resource Measured	Categories Indicated	(Mlb U3O8) Inferred
<b>CALCRETE MINERALIZATION</b>									
Tumas 3 Deposits	Indicated	100	78.0	320	24,900	54.9	-	54.9	-
Tumas 3 Deposits	Inferred	100	10.4	219	2,265	5.0	-	-	5.0
<b>Sub-total Tumas 3</b>		<b>100</b>	<b>88.4</b>	<b>308</b>	<b>27,165</b>	<b>59.9</b>	<b>0.0</b>	<b>54.9</b>	<b>5.0</b>
Tumas 1 & 2 Deposits	Measured	100						-	-
Tumas 1 & 2 Deposits	Indicated	100	54.1	203	11,000	24.2	-	24.2	-
Tumas 1 & 2 Deposits	Inferred	100	54.0	250	13,500	29.8	-	-	29.8
<b>Sub-total of Tumas 1 and 2</b>		<b>100</b>	<b>108.1</b>	<b>226</b>	<b>24,500</b>	<b>54.0</b>	<b>0.0</b>	<b>24.2</b>	<b>29.8</b>
<b>Sub-total of Tumas 1, 2 and 3</b>		<b>100</b>	<b>196.5</b>	<b>247</b>	<b>51,665</b>	<b>113.9</b>	<b>0.0</b>	<b>79.1</b>	<b>34.8</b>
Tubas Sand Deposit	Indicated	100	10.0	187	1,900	4.1	-	4.1	-
Tubas Sand Deposit	Inferred	100	24.0	163	3,900	8.6	-	-	8.6
<b>Sub-total Tubas Red Sand Project</b>		<b>100</b>	<b>34.0</b>	<b>170</b>	<b>5,800</b>	<b>12.7</b>	<b>0.0</b>	<b>4.1</b>	<b>8.6</b>
Tubas Calcrete Deposit	Inferred	100	7.4	374	2,800	6.1	0.0	0.0	6.1
<b>Total for overall Tumas-Tubas</b>			<b>237.9</b>	<b>292</b>	<b>60,265</b>	<b>132.7</b>	<b>0.0</b>	<b>83.2</b>	<b>49.5</b>
Aussinanis Deposit	Indicated	150	5.6	222	1,200	2.7	-	2.7	-
Aussinanis Deposit	Inferred	150	29.0	240	7,000	15.3	-	-	15.3
<b>Sub-total Aussinanis Project</b>		<b>150</b>	<b>34.6</b>	<b>237</b>	<b>8,200</b>	<b>18.0</b>	<b>0.0</b>	<b>2.7</b>	<b>15.3</b>
<b>Calcrete Projects Total</b>			<b>272.5</b>	<b>281</b>	<b>68,465</b>	<b>150.7</b>	<b>0.0</b>	<b>85.9</b>	<b>64.8</b>

Deep Yellow Press Release July 29, 2021 & Analyst's Work

### Pre-Feasibility Study (PFS) on Tumas Project

On February 10, 2021, Deep Yellow released the details of the PFS on the Tumas Project. After **evaluating the potential of only the Measured and Indicated Resources available** on calcrete-associated uranium deposits of the Tumas palaeochannel system, the PFS determined that open pit mining of four Tumas deposits (Tumas 1, Tumas 1 East, Tumas 2 and Tumas 3) with a centrally located processing facility is feasible at a uranium price of \$65 per pound.

The key outcomes of PFS is that that the **Tumas Project is technically and economically viable based on an open pit mining operation** similar to the Langer Heinrich mine, which is around 30km to the northeast of Tumas, and which was developed from greenfield-to-production (from resource delineation to processing design, from operations to product marketing) by the current Deep Yellow management team in the mid-2000's.

**Based on** utilizing a 3 million lb. U<sub>3</sub>O<sub>8</sub> per annum processing facility and a fixed **uranium price of US\$65 per pound**, the Project has an estimated **NPV of US\$207 million** (AUD\$276 million) and a **post-tax of IRR 21.1%**. With an average production rate of 2.5 million pounds U<sub>3</sub>O<sub>8</sub> annually over a Life-Of-Mine (LOM) of 11.5 years, the Project is forecasted to generate mine revenue of US\$1.89 billion and undiscounted after-tax cash flow of US\$447.4 million over the life of the mine.

The PFS utilizes a price of \$65 per pound U<sub>3</sub>O<sub>8</sub>, which represents the consensus price expected for negotiated multi-year (term) sales agreements multi-year sales in order to incentivize uranium miners to bring capacity on-line to fulfill the demand from nuclear electric utilities by the mid-to-late 2020s. The US\$65 price is also consistent with TradeTech's forecast.

The PFS considered the latest drilling results and metallurgical test work in laying out the developmental processes of permitting, processing facility construction, open pit design and initiating mining and processing operations. Highly relevant assumptions from the Langer Heinrich uranium deposit were also incorporated into the PFS.



## Tumas Project Pre-Feasibility Study (PFS)

Project Financials (Ungeared): Real Unless Stated Otherwise	Unit	LOM	Per Operating Year
U <sub>3</sub> O <sub>8</sub> Gross Revenue	\$M	1,890	164
Gross Revenue: Total (U <sub>3</sub> O <sub>8</sub> and V <sub>2</sub> O <sub>5</sub> )	\$M	1,958	170
Site Operating Expenses	\$M	(833.6)	(72.5)
Other Operating Costs	\$M	(90.6)	(7.9)
Operating Margin (EBITDA)	\$M	1,034	90
Initial Capex	\$M	(295.1)	(25.7)
Capitalised Pre-Production Opex	\$M	(25.3)	(2.2)
Sustaining Capex and Closure	\$M	(37.1)	(3.2)
Total Initial, Pre-Production, Sustaining & Closure Capital	\$M	(357.5)	(31.1)
Undiscounted Cashflow After Tax	\$M	447.4	38.9
C1 Cost (U <sub>3</sub> O <sub>8</sub> basis with V <sub>2</sub> O <sub>5</sub> by-product)	\$/lb	27.28	
All-in Sustaining Cost (AISC) (U <sub>3</sub> O <sub>8</sub> basis with V <sub>2</sub> O <sub>5</sub> by-product)	\$/lb	30.69	
Project NPV <sub>8.6 nominal</sub> (Post Tax)	\$M	207	
Project IRR (Post Tax)	%	21.1	
Project Payback Period from Production Start	Years	3.8	
Breakeven U <sub>3</sub> O <sub>8</sub> Price	\$/lb	47.33	

Deep Yellow PFS Press Release February 2021

In addition, 95% of the Inferred Mineral Resource was upgraded to the Indicated Mineral Resource category. With addition exploration work, management believes that there is a reasonable expectation that total Reserves will ultimately exceed 75 million pounds U<sub>3</sub>O<sub>8</sub> at a 100 ppm cut off.<sup>iii</sup>

### Maiden Reserve

The PFS included an estimated **Maiden Reserve** of 40.9 million tonnes of ore with an **average grade of 344ppm** U<sub>3</sub>O<sub>8</sub> that contains a **Probable Reserve** of **31.0 million pounds U<sub>3</sub>O<sub>8</sub>**.

## Tumas Project Pre-Feasibility Study (PFS)

### Maiden Ore Reserve

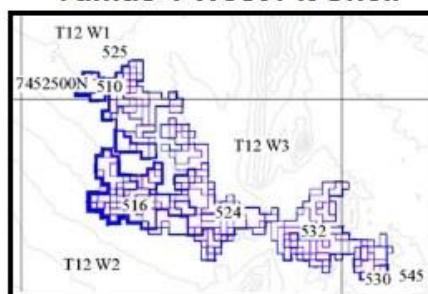
Probable Reserves	U <sub>3</sub> O <sub>8</sub> Cut-off	Tonnes	U <sub>3</sub> O <sub>8</sub>	U <sub>3</sub> O <sub>8</sub> Metal
	ppm	Mt	ppm	Mlb
Tumas 1 & 2	150	13.9	292	9.0
Tumas 3	150	26.9	371	22.0
Total	150	40.9	344	31.0

Deep Yellow PFS Press Release February 2021

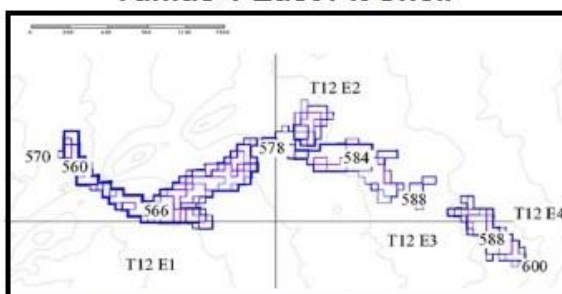
Infill drilling undertaken for the PFS converted 63% of the Indicated Mineral Resource into Probable

Cube Consulting completed the mining engineering work for the Tumas PFS, including open-pit optimization studies and designs, culminating in the geometry of the final pit designs (see images below).

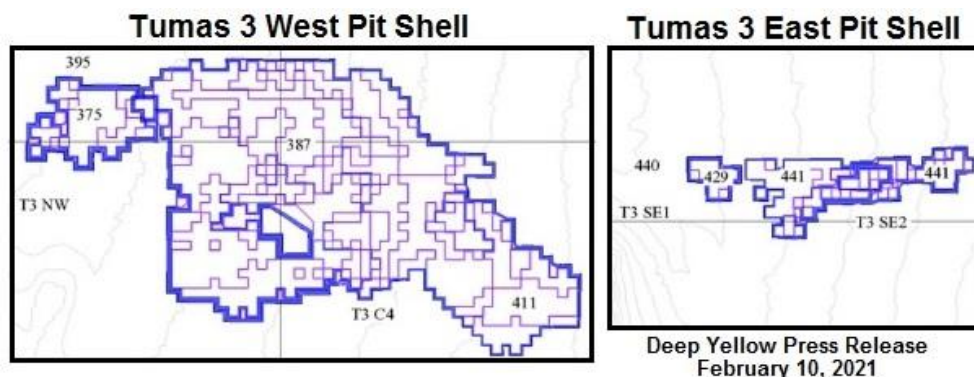
**Tumas 1 West Pit Shell**



**Tumas 1 East Pit Shell**



Deep Yellow Press Release February 10, 2021



### Other Reptile Project Calcrete Resources (Tubas and Tubas Red Sands)

Other calcrete deposits have been discovered on the EPLs that comprise the Reptile Project, namely the Tubas Red Sand, Tubas and Aussinanis deposits. Sufficient drilling has supported JORC-compliant resource estimates that are included in the table above.

### Reptile Project - Alaskite Resources (Ongolo, MS7 and Inca)

The second type of uranium mineralization (**basement/alaskite deposits**) is present at the Reptile Project's EPL 3496. Though relatively unexplored, **three deposits** have been identified: Inca, Ongolo and MS7, which have a combined Measured, Indicated and Inferred Resource of 45.1 million lbs.  $U_3O_8$  at 420ppm (0.0420%)  $eU_3O_8$  at a 250ppm cut off. Additional investigations are required to determine the full extent of the mineralization identified to date as potential exists to further increase the uranium resources associated with these basement targets.

Deposit	Category	Cut-off	Tonnes	$U_3O_8$	$U_3O_8$	$U_3O_8$	Resource	Categories (Mlb $U_3O_8$ )		
		(ppm)	(MM)	(ppm)	(t)	(Mlb)	Measured	Indicated	Inferred	
<b>ALASKITE MINERALIZATION</b>										
INCA Deposit	Indicated	250	7.0	470	3,300	7.2	-	7.2	-	
INCA Deposit	Inferred	250	5.4	520	2,800	6.2	-	-	6.2	
Ongolo Deposit	Measured	250	7.7	395	3,000	6.7	6.7	-	-	
Ongolo Deposit	Indicated	250	9.5	372	3,500	7.8	-	7.8	-	
Ongolo Deposit	Inferred	250	12.4	387	4,800	10.6	-	-	10.6	
MS7 Deposit	Measured	250	4.4	441	2,000	4.3	4.3	-	-	
MS7 Deposit	Indicated	250	1.0	433	400	1.0	-	1.0	-	
MS7 Deposit	Inferred	250	1.3	449	600	1.3	-	-	1.3	
<b>Omahola Project Total</b>			<b>48.7</b>	<b>420</b>	<b>20,400</b>	<b>45.1</b>	<b>11.0</b>	<b>16.0</b>	<b>18.1</b>	

Deep Yellow Press Release July 14, 2020 & analyst's work

### **NOVA JOINT VENTURE (39.5% owned by Deep Yellow)**

Located in the Erongo Region of western of Namibia, the **NOVA JV** consists of two EPL tenements (**3669** and **3670**), which encompass approximately 7,967.8 and 47,714.8 hectares, respectively (or **556.8 square kilometers** in total). The EPLs were initially granted by the Namibian Ministry of Mines and Energy on November 21, 2006 and most recently renewed for a 2-year term until March 30, 2022.

In late-March 2017, Deep Yellow and Japan Oil, Gas and Metal National Corporation (JOGMEC) finalized a joint venture agreement regarding the NOVA Joint Venture (or NOVA JV). For the sum of

**AUD\$4.5 million** devoted to the exploration and development at the NOVA JV Project over a period of four years, **JOGMEC earned-in a 39.5% interest** in the project. JOGMEC is a Japanese governmental agency designed to promote the exploration and development of secure and stable supplies of natural resources (primarily oil, gas and mining resources) for Japan. At the time of the agreement, Deep Yellow (through Reptile Mineral Resources and Exploration Pty Ltd) held a 65% interest; Toro Energy Limited (through Nova Energy Africa Pty Ltd) owned 25% and Sixzone Investments Pty Ltd (a Namibian group) held 10%.

## NOVA JV Project



**Deep Yellow**  
LIMITED

**JOGMEC**

**TORO ENERGY**  
LIMITED

**39.5%**

**39.5%**

**15%**

With the exploration campaign that ended in August 2020, **JOGMEC satisfied its AUD\$4.5M exploratory obligation** during the earn-in period and **now holds a 39.5% interest** in the NOVA JV Project. **Deep Yellow owns 39.5% (and remains manager)**, Toro Energy Limited (ASX: TOE) holds 15% and Sixzone 6.0%. Going forward, the parties of the JV will be required to contribute toward exploration expenditures on a pro-rata basis.

Since the NOVA JV Project was formed in November 2016, JOGMEC expended AUD\$4.5 million in exploration programs to earn-in a 39.5% interest in the JV. Exploration work was focused on both basement-related alaskite and palaeochannel/calcrete associated uranium targets. An outline of the exploration and drilling programs follows.

- Nov. 2016 – Dec. 2016: Initiate work on EPL 2669 & EPL 2670
  - reinterpreted previously flown VTEM survey
  - acquired satellite imagery with 1.5 meter spatial resolution covering JV area
- May - August 2017: Carried out geophysical ground survey to delineate mineralized targets
  - May – June: gradient array induced polarization survey over 15km helped differentiate high priority basement alaskite targets
  - geological mapping and geophysical work (PDIP, ground radiometric, EM and magnetic surveys) helped further define drill target locations
  - identified 10 targets in 4 areas prospective for alaskite-type mineralization in basement rocks
- Sept. – Dec. 2017: **7,490-meter** scout (first pass) drilling program (88 holes 82 RC & 6 DC)
  - discovered calcrete-type mineralization (3 holes averaged 200ppm) in newly identified palaeo-channel at Namaqua Prospect (formerly Speke's East) on EPL 2669
  - EPL 3669 - narrow uranium mineralization was intersected at basement targets skarn-type lithologies at Speke's and Bowsprit and in alaskites at Barking Gecko
  - EPL 3670 - identified a promising zone of basement targets at Cape Flat
- April – May 2018: **7,053 line km** of high-resolution airborne radiometric and magnetic
- October – Dec. 2018: **4,874-meter** RC drilling program (122 holes)
  - encountered low-grade palaeo-channel calcrete-hosted mineralization at Namaqua (75ppm peak), Bowsprit (<100ppm) and Day Gecko (320ppm peak)
  - encountered narrow uranium mineralization in basement rocks at Iguana Prospect
- Jan. – March 2019: **1,404-meter** short RC drilling program (18 holes)
  - narrow nature of mineralized vein system confirmed at Iguana
- August – October 2019: **3,472-meter** RC drilling program (60 holes) on EPL 3669
  - encountered uranium mineralization in palaeochannels at Namaqua Prospect and at basement targets at **Barking Gecko (over 300ppm in 2 holes)**
- Nov. - Dec. 2019: **3,009-meter** RC drilling program (153 holes) on EPL 3670



- encountered palaeo-channel calcrete-hosted mineralization (130ppm) at STD 24 target
- delineated a **prospective 4km long by 1km wide alaskite** (leucogranite) at Barking Gecko on EPL 3669
- Jan. – May: geological mapping in order to determine the orientation of alaskite dykes
- April - July 2020: **2,041-meter** RC drilling program (11 holes) focused on **Barking Gecko** (EPL 3669)
  - drilling program revealed the **presence of thicker uranium intersections** (7-to-24-meters) compared to 1-to-2-meter mineralized intersections encountered during the 2019 campaigns
  - management believes that the drilling results indicate that a large, basement-related mineralized system is present around this highly prospective area
- Nov.2020 – March 2021: **3,200-meter** RC drilling program (11 holes) focused on **Barking Gecko** (EPL 3669).
  - both gamma downhole logging and optical borehole imagery was undertaken; the latter helped to determine the structural orientation of the uranium mineralization
  - this program was conducted after the JOGMEC earn-in
    - all parties in the NOVA JV agreed to a budget of AUD\$570,000 through March 31, 2021
  - Phase 1 of this drilling program was completed in early December 2020. The two holes (totaling 502 meters) did not intersect up-dip and down-dip extensions of previously identified mineralization. Therefore, the geology of the area was re-evaluated utilizing results of the OPTV down-hole logging. It has been determined that the mineralization at Barking Gecko has a NNE orientation instead of the previously expected WSW. The drilling program was revised accordingly.
  - Phase 2 began in February 2021 and was completed by the end of March
    - Two highly prospective zones were identified
      - **Barking Gecko North:** 2 km by 1 km (open to the E, SE and at depth)
      - **Barking Gecko South:** 4 km by 0.5 km (open to the NW and SE)

### Follow-up RC drilling Campaign at Barking Gecko (EPL3669) Completed

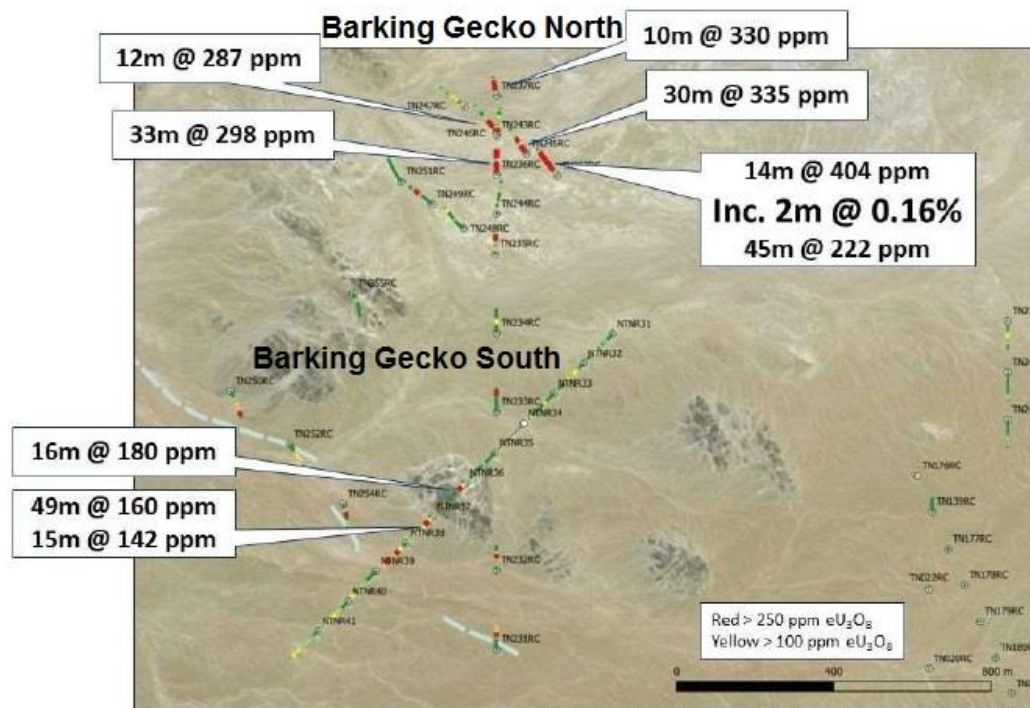
On March 30, 2021, drilling program comprised of **13 holes** totaling **3,213 meters** was completed at the Barking Gecko prospect within the NOVA JV. The program of 200-meter spaced holes identified two highly prospective zones: **Barking Gecko North** and **Barking Gecko South**. Currently, the dimensions of Barking Gecko South is estimated to be 4 km by 0.5 km (**open to the northwest and southeast**) while Barking Gecko North is estimated to be 2 km by 1 km (**open to the east, southeast and at depth**). Management plans to initiate further drilling in the second half of 2021.

The **best hole** was TN253RC, both in terms of thick uranium mineralization (**45 meters grading 222 ppm eU<sub>3</sub>O<sub>8</sub>** from 120m-to 165m) as well as highest grade (**14 meters grading 404 ppm eU<sub>3</sub>O<sub>8</sub>** from 81m-to-95m).

#### Highlighted Intersections at Barking Gecko

Hole ID	Depth From (m)	Depth To (m)	Thickness (m)	eU <sub>3</sub> O <sub>8</sub> (ppm)
TN253RC	66	70	4	189
	81	95	14	404
	98	100	2	113
	113	115	2	176
	120	165	45	222
	171	176	5	145
	179	180	1	244
	188	189	1	106
	196	202	6	270
	206	221	15	168
	226	227	1	161
TN254RC	77	87	10	177

Deep Yellow Press Release April 19, 2021



Deep Yellow Quarterly Activities Report April 2021

### ***Barking Gecko - NOVA JV (EPL 3669 & EPL 3670)***

**Barking Gecko Background:** The **April - July 2020 RC drilling program** at Barking Gecko intersected very promising uranium mineralization in a large (4 km long and 1 km wide) anomalous geological zone, which wraps around a prominent domal feature.

**Phase 1** of the subsequent drilling program commenced on November 23, 2020 and was completed in early December 2020. Both gamma down-hole logging and optical borehole imagery were undertaken. The latter helps determine the structural orientation of the uranium mineralization. This drilling program at Barking Gecko was conducted after the JOGMEC earn-in; therefore, all parties in the NOVA JV agreed to a budget of AUD\$570,000 through March 31, 2021.

Two holes (totaling 502 meters) did not intersect up-dip and down-dip extensions of previously identified thick mineralization, rather only areas of narrow mineralization. Therefore, the geology of the area was re-evaluated utilizing results of the OPTV down-hole logging. It has been determined that the mineralization at Barking Gecko has a NNE orientation instead of the previously expected WSW. The drilling program was revised accordingly.

**Phase 2** began in February 2021 and was completed in March. The 13-hole drilling program identified two highly prospective zones: **Barking Gecko North** and **Barking Gecko South** (see Recent News Section above).

The NOVA JV partners agreed to an AUD\$1.1 million budget for 2021/22. A 3,500-meter RC drilling program commenced in July 2021 (with \$580,000 budget) that is targeting promising targets at Barking Gecko.

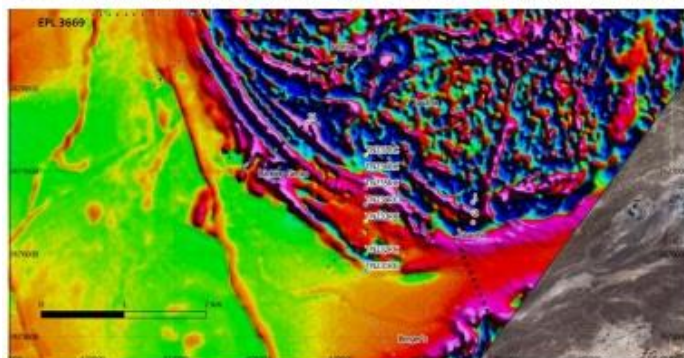
### **Significance of Barking Gecko**

Barking Gecko is a prominent domal feature which is wrapped around by a **large zone of anomalous interest** (approximately **4km long and 1km wide**). This prospective area was indicated by 3D inversion of high resolution airborne magnetic data, which detected a zone of easterly trending, remnant magnetism. The April - July 2020, **2,041-meter** RC drilling program tested this target with 11 holes spaced at 200 meters. The wide drill spacing leaves the mineralization **open**



**laterally and at depth.** The February-March 2021 3,213-meter drilling program was comprised of 13 holes spaced at 200 meters identified two highly prospective zones of Barking Gecko North and Barking Gecko South.

### 3D Inversion of Airborne Magnetic Data



### Geological Map



Deep Yellow Press Release July 9, 2020

## VALUATION

As a junior uranium company, Deep Yellow cannot be valued on a revenue, earnings or cash flow basis. The goal of management's Dual Pillar strategy is to increase shareholders' value through the development of the company's existing EPLs in Namibia (organic growth), along with continued exploration to increase the project's estimated resources, and by pursuing acquisitions and/or mergers in order to create a multi-jurisdictional portfolio of low-cost uranium projects.

More sophisticated methodologies based on market capitalization-to-reserves, average value per tonne, per-pound costs or cash profit margins per pound produced also are not germane. However, once the Pre-Feasibility Study on the Reptile Project is completed, we will be able to utilize a resource valuation methodology where we can calculate a per share value of attributable resources. In the meantime, an alternative valuation technique based on book value is an appropriate alternative, especially in comparison to junior uranium companies that share similar attributes to Deep Yellow's.

Book value of a **junior uranium development company** represents the equity capital that has been raised to acquire the minerals rights on properties and to conduct exploration and development programs. An amalgamation of this information is encapsulated within the raised capital total, including the quality of the properties (both in terms of mineral potential and political stability), exploration results from drilling programs and the steps of development process that management has initiated / completed (Scoping Study, Pre-Feasibility Study, Metallurgical Test Work, Environmental Impact Statement, Baseline Studies and Definitive Feasibility Study). Therefore, book value captures the complex valuation of the company's base uranium resource value by relatively sophisticated investors, many with expert knowledge of junior uranium companies in the development phase. Hence, we find the use of book value is a valid and appropriate metric by which to determine a junior uranium company's valuation.

Broadly speaking, the public uranium companies can be grouped into three segments: producers, development companies and exploration companies. Producers are actively mining and generating revenues. Exploration companies are prospecting and/or drilling to establish mineral resources. In between these two segments are the development companies that already have established resources and are advancing through the process to bring a mine in operation, generally from the point of initiating a Pre-Feasibility Study to the actual construction of a mine. The comparable companies to Deep Yellow fall into this category.

<i>Industry Comparables</i>	% Chg YTD	Ticker	Exch.	Uranium Project Country	Principal Uranium Project	Phase	Mkt Cap Local Curr. (\$ mil.)	Price/ Book
Deep Yellow Ltd	35.4%	DYLLF	OTCQX	Namibia	Reptile	DFS	174.4	2.50
Deep Yellow Ltd	39.0%	DYL	ASX	Namibia	Reptile	DFS	230.6	2.50
<b>URANIUM DEVELOPMENT COMPANIES</b>								
Denison Mines Corp	60.7%	DML	TSX	Canada	Phoenix	PFS	1,086.6	3.05
Fission Uranium Corp.	40.3%	FCU	TSX	Canada	Triple R	PFS	348.0	0.92
Global Atomic Corp	80.5%	GLO	TSX	Niger	Dasa	PEA	465.3	7.16
NexGen Energy Ltd.	50.1%	NXE	TSX	Canada	Arrow	PFS	2,480.5	5.79
UEX Corp.	30.8%	UEX	TSX	Canada	Various	PEA	155.3	8.88
<b>Industry Mean</b>	<b>52.5%</b>						<b>907.1</b>	<b>5.16</b>
S&P 500 Index	16.8%	^SPX:US	NYSE	N/A	N/A	N/A	N/M	4.63

Further, the comparable companies have been narrowed through quantitative factors, particularly those with a market capitalization over \$100 million and trading above \$0.30 per share. This process captures a range of well-funded junior uranium development companies, which are listed in the table above. Currently, the P/B valuation range of these comparable companies is between 0.9 and 8.9. With the expectation that Deep Yellow's stock will attain a mid-second quartile P/B ratio of 6.09, our **comparable analysis valuation price target is US\$1.29.**

## RISKS

- A nuclear reactor accident traditionally has dramatically and negatively affected the demand for uranium as power plants are shut down for inspections and governments re-evaluate the safety of nuclear energy.
- As with almost all junior resource exploration companies, Deep Yellow does not generate sufficient cash flow to adequately fund its exploration and developmental activities and is in need of additional capital to continue pursuing management's strategy. However, the company has effectively funded its operations and initiatives to date. In fact, the company's balance sheet and working capital is healthy with over \$14 million in terms of both cash and working capital.
- Shares outstanding increased significantly in fiscal 2017 (+72.6%) and fiscal 2019 (+22.0%) as equity financings have funded the company's exploration activities and general corporate expenses. However, during fiscal 2018 and fiscal 2020, shares outstanding increased only 5.3%, and only 3.1%, respectively. Thus far in fiscal 2021, shares outstanding have increased 31.4%.
- As with any mineral company, the price of the targeted mineral is beyond management's control, in Deep Yellow's case, the price of uranium. However, current fundamentals indicate that a supply deficit and the projected increase in the number of nuclear power plants should drive the price of uranium above \$50 per pound, creating an environment for new uranium mines to be developed.

## BALANCE SHEET

### Deep Yellow Limited

(in \$AUD except ordinary share data)

	FY 2017	FY 2018	FY 2019	FY 2020	1H 2021
Period ending	6/30/2017	6/30/2018	6/30/2019	6/30/2020	12/31/2020
<b>ASSETS</b>					
Cash and cash equivalents	14,959,841	10,690,253	14,975,063	12,116,972	9,893,697
Accounts receivable	443,115	444,464	461,989	298,265	528,058
Other current assets	185,149	224,066	255,707	187,567	181,625
<b>Total Current Assets</b>	<b>15,588,105</b>	<b>11,358,783</b>	<b>15,692,759</b>	<b>12,602,804</b>	<b>10,603,380</b>
Right-of-use assets	-	-	-	617,015	560,060
Property, plant and equipment	547,797	579,858	592,797	518,897	520,759
Capitalized exploration & eval. expendit.	28,181,518	29,279,061	31,831,939	35,415,745	38,722,197
<b>TOTAL ASSETS</b>	<b>44,317,420</b>	<b>41,217,702</b>	<b>48,117,495</b>	<b>49,154,461</b>	<b>50,406,396</b>
Trade and other payables	612,925	332,781	509,661	492,605	629,961
Interest bearing liabilities	-	-	-	57,562	103,049
Employee provisions	-	98,980	64,360	99,221	56,944
<b>Total Current Liabilities</b>	<b>612,925</b>	<b>431,761</b>	<b>574,021</b>	<b>649,388</b>	<b>789,954</b>
Employee provisions	-	-	54,154	48,794	35,182
Lease liabilities	-	-	-	536,664	483,958
<b>Non-Current Liabilities</b>	<b>0</b>	<b>0</b>	<b>54,154</b>	<b>585,458</b>	<b>519,140</b>
<b>TOTAL LIABILITIES</b>	<b>612,925</b>	<b>431,761</b>	<b>628,175</b>	<b>1,234,846</b>	<b>1,309,094</b>
<b>SHAREHOLDERS' EQUITY</b>					
Issued equity	239,065,259	238,722,162	247,264,524	249,753,196	249,910,820
Accumulated losses	(189,770,518)	(192,326,868)	(196,141,196)	(193,266,333)	(195,340,884)
Employee equity benefits reserve	10,774,425	11,086,143	12,140,341	13,476,273	14,222,255
Foreign currency translation reserve	(16,364,671)	(16,695,496)	(15,774,349)	(22,043,521)	(19,694,889)
<b>Total Stockholders' Equity</b>	<b>43,704,495</b>	<b>40,785,941</b>	<b>47,489,320</b>	<b>47,919,615</b>	<b>49,097,302</b>
<b>TOTAL LIABILITIES &amp; STOCKHOLDERS' EQ.</b>	<b>44,317,420</b>	<b>41,217,702</b>	<b>48,117,495</b>	<b>49,154,461</b>	<b>50,406,396</b>
Ordinary shares outstanding	185,047,376	194,802,027	237,711,355	245,052,016	249,000,000

## PROJECTED ANNUAL INCOME STATEMENTS

### Deep Yellow Limited

Income Statement (in \$AUD, except share out. data)	2017 6/30/2017	2018 6/30/2018	2019 6/30/2019	2020 6/30/2020	2021 E 6/30/2021
Interest and other income	44,612	264,501	225,332	257,455	176,000
Revenue from contracts with customers	267,417	150,178	119,315	77,199	51,000
<b>Total Revenues</b>	<b>312,029</b>	<b>414,679</b>	<b>344,647</b>	<b>334,654</b>	<b>227,000</b>
Depreciation & amortisation expenses	(37,928)	(77,069)	(92,911)	(215,812)	(297,000)
Marketing expenses	(38,759)	(139,021)	(142,177)	(222,461)	(201,974)
Occupancy expenses	(97,302)	(138,361)	(209,486)	(94,324)	(91,195)
Administrative expenses	(1,319,259)	(1,716,409)	(2,068,920)	(1,930,685)	(1,945,000)
Employee expenses	(1,410,784)	(887,869)	(1,626,841)	(2,033,839)	(2,083,235)
Reversal imp'rm't of cap. exp. & eval. exp.	-	-	-	7,100,920	0
Impairm't of cap. explor. & eval. exp.	(25,452,370)	(12,300)	(18,640)	(36,893)	(4,327)
<b>Expenses</b>	<b>(28,356,402)</b>	<b>(2,971,029)</b>	<b>(4,158,975)</b>	<b>2,566,906</b>	<b>(4,622,731)</b>
<b>Loss Before Other Income</b>	<b>(28,044,373)</b>	<b>(2,556,350)</b>	<b>(3,814,328)</b>	<b>2,901,560</b>	<b>(4,395,731)</b>
Interest (expense)	-	-	-	(26,697)	(122,000)
Income tax (expense)	-	-	-	-	-
<b>Total Other Income (Expenses)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(26,697)</b>	<b>(122,000)</b>
<b>Net Loss</b>	<b>(28,044,373)</b>	<b>(2,556,350)</b>	<b>(3,814,328)</b>	<b>2,874,863</b>	<b>(4,517,731)</b>
<b>Other comprehensive income</b>					
Fgn. curr. translation gain (loss)	3,464,618	(330,825)	921,147	(6,269,172)	3,848,632
<b>Total comp. gain (loss), net of tax</b>	<b>(24,579,755)</b>	<b>(2,887,175)</b>	<b>(2,893,181)</b>	<b>(3,394,309)</b>	<b>(669,099)</b>
Diluted gain (loss) per ordinary share	<b>(0.2251)</b>	<b>(0.0134)</b>	<b>(0.0190)</b>	<b>0.0119</b>	<b>(0.0165)</b>
Wgtd. Avg. Ord. Shares Out. - diluted	124,574,555	190,372,205	200,315,114	242,402,378	274,612,536

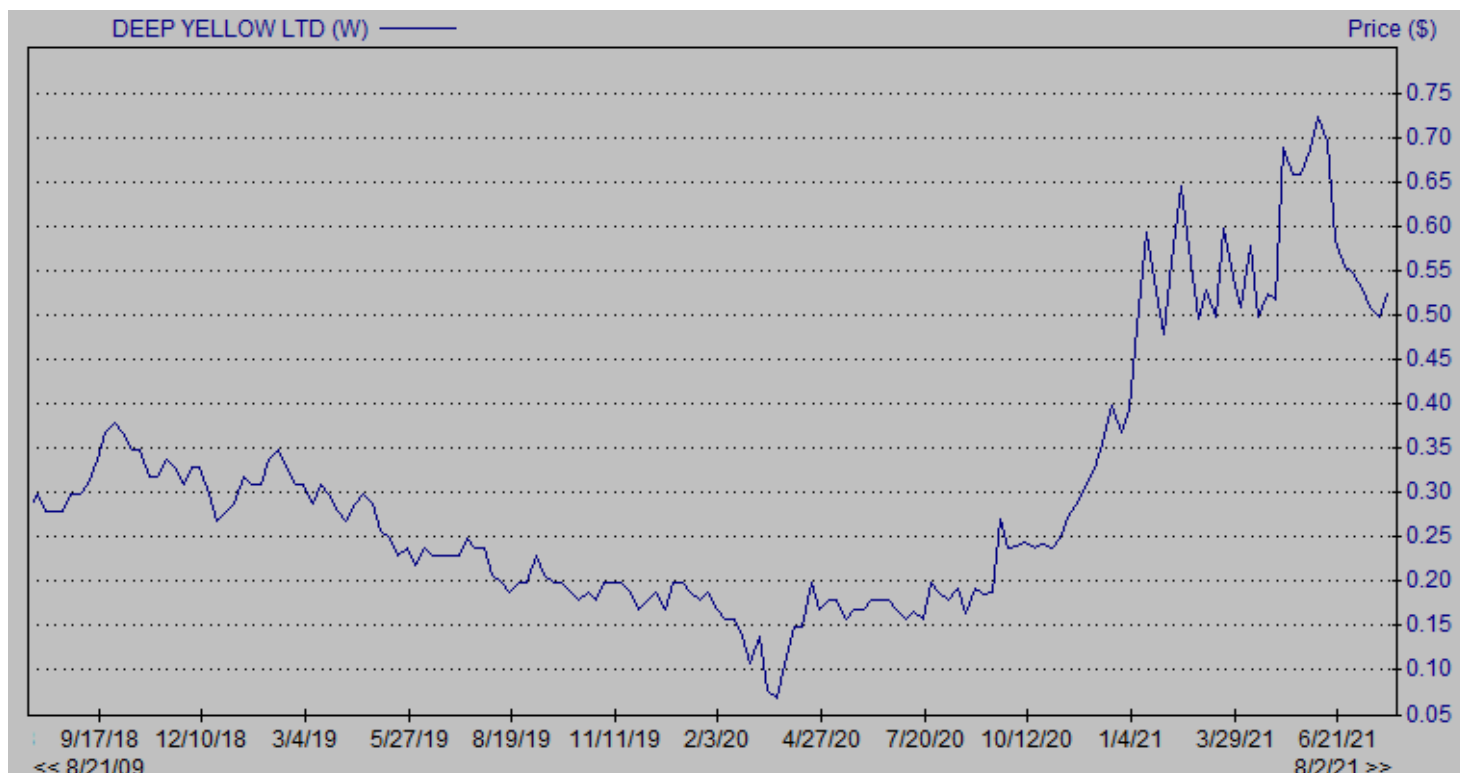
## SEMI-ANNUAL INCOME STATEMENTS

### Deep Yellow Limited

Income Statement (in \$AUD, except share out. data)	1H 2020 12/31/2019	2H 2020 6/30/2020	FY 2020 6/30/2020	1H 2021 12/31/2020	2H 2021 E 6/30/2021	FY 2021 E 6/30/2021
Interest and other income	140,073	117,382	257,455	111,452	64,548	176,000
Revenue from contracts with customers	51,756	25,443	77,199	31,315	19,685	51,000
<b>Total Revenues</b>	<b>191,829</b>	<b>142,825</b>	<b>334,654</b>	<b>142,767</b>	<b>84,233</b>	<b>227,000</b>
Depreciation & amortisation expenses	(118,146)	(97,666)	(215,812)	(107,085)	(189,915)	(297,000)
Marketing expenses	(143,678)	(78,783)	(222,461)	(101,974)	(100,000)	(201,974)
Occupancy expenses	(44,725)	(49,599)	(94,324)	(44,195)	(47,000)	(91,195)
Administrative expenses	(1,048,190)	(882,495)	(1,930,685)	(914,510)	(1,030,490)	(1,945,000)
Employee expenses	(939,931)	(1,093,908)	(2,033,839)	(1,033,235)	(1,050,000)	(2,083,235)
Reversal imp'rm't of cap. exp. & eval. exp.	-	7,100,920	7,100,920	-	-	0
Impairm't of cap. explor. & eval. exp.	0	(36,893)	(36,893)	(4,327)	-	(4,327)
<b>Expenses</b>	<b>(2,294,670)</b>	<b>4,861,576</b>	<b>2,566,906</b>	<b>(2,205,326)</b>	<b>(2,417,405)</b>	<b>(4,622,731)</b>
<b>Loss Before Other Income</b>	<b>(2,102,841)</b>	<b>5,004,401</b>	<b>2,901,560</b>	<b>(2,062,559)</b>	<b>(2,333,172)</b>	<b>(4,395,731)</b>
Interest (expense)	(14,261)	-	(26,697)	(11,992)	(110,008)	(122,000)
Income tax (expense)	-	-	-	-	-	-
<b>Total Other Income (Expenses)</b>	<b>(14,261)</b>	<b>0</b>	<b>(26,697)</b>	<b>(11,992)</b>	<b>(110,008)</b>	<b>(122,000)</b>
<b>Net Loss</b>	<b>(2,117,102)</b>	<b>5,004,401</b>	<b>2,874,863</b>	<b>(2,074,551)</b>	<b>(2,443,180)</b>	<b>(4,517,731)</b>
<b>Other comprehensive income</b>						
Fgn. curr. translation gain (loss)	236,136	(6,505,308)	(6,269,172)	2,348,632	1,500,000	3,848,632
<b>Total comp. gain (loss), net of tax</b>	<b>(1,880,966)</b>	<b>(1,500,907)</b>	<b>(3,394,309)</b>	<b>274,081</b>	<b>(943,180)</b>	<b>(669,099)</b>
Diluted gain (loss) per ordinary share	<b>(0.0090)</b>	<b>0.0204</b>	<b>0.0119</b>	<b>(0.0085)</b>	<b>(0.0080)</b>	<b>(0.0165)</b>
Wgted. Avg. Ord. Shares Out. - diluted	235,233,556	245,705,957	242,402,378	244,064,824	305,160,249	274,612,536



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<sup>i</sup> Deep Yellow Press Release, October 13, 2006

<sup>ii</sup> A surface or near-surface host- material predominantly cemented or enriched by calcium carbonate.

<sup>iii</sup> Deep Yellow Press Release on Tumas PFS, February 10, 2021, Conclusions, page 54