

**Black Swan Graphene Inc.**

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**Consolidated Financial Statements**

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**For the years ended December 31, 2023 and 2022**

**(Expressed in Canadian Dollars)**

*Audit. Tax. Advisory.*

## **Independent Auditor's Report**

To the Shareholders of Black Swan Graphene Inc.

### **Opinion**

We have audited the consolidated financial statements of Black Swan Graphene Inc. and its subsidiaries (the "Company"), which comprise the consolidated statements of financial position as at December 31, 2023 and 2022, and the consolidated statements of loss and comprehensive loss, consolidated statements of changes in shareholders' equity and consolidated statements of cash flows for the years then ended, and notes to the consolidated financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the consolidated financial position of the Company as at December 31, 2023 and 2022, and its consolidated financial performance and its consolidated cash flows for the years then ended in accordance with International Financial Reporting Standards ("IFRS").

### **Basis for opinion**

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the Auditor's responsibilities for the audit of the consolidated financial statements section of our report. We are independent of the Company in accordance with the ethical requirements that are relevant to our audit of the consolidated financial statements in Canada. We have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

### **Key audit matters**

Key audit matters are those matters that, in our professional judgement, were of most significance in our audit of the consolidated financial statements of the current period. These matters were addressed in the context of our audit of the consolidated financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters.

Key audit matter	How our audit addressed the key audit matter
<p><i>Fair value measurement of private investments</i></p> <p>The Company has a private investment with a value of \$795,249 at December 31, 2023, which is recorded at fair value through profit or loss. This is presented in Note 3 of the consolidated financial statements. This investment is classified within the fair value hierarchy as level 3, for which quoted prices or observable inputs were not available. Management uses valuation techniques that require significant non-observable inputs, requiring management's estimation and judgement.</p> <p>The fair value measurement of private investments was a key audit matter as the valuation required the application of significant judgment in assessing the non-observable inputs used, including significant valuation adjustments.</p>	<p>In this regard, our audit procedures included:</p> <ul style="list-style-type: none"> <li>• Evaluating the methodologies and significant inputs used by the Company.</li> <li>• Performing a valuation approach to assess the assumptions and significant inputs used to estimate the fair value, which involved corroboration of certain inputs and assumptions as applied by management.</li> </ul>

## Other information

Management is responsible for the other information. The other information comprises Management's Discussion and Analysis.

Our opinion on the consolidated financial statements does not cover the other information and we do not express any form of assurance conclusion thereon.

In connection with our audit of the consolidated financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the consolidated financial statements or our knowledge obtained in the audit or otherwise appears to be materially misstated.

We obtained Management's Discussion and Analysis prior to the date of this auditor's report. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

## Responsibilities of management and those charged with governance for the consolidated financial statements

Management is responsible for the preparation and fair presentation of the consolidated financial statements in accordance with IFRS, and for such internal control as management determines is necessary to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated financial statements, management is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Company or cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Company's financial reporting process.

## **Auditor's responsibilities for the audit of the consolidated financial statements**

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated financial statements.

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgement and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risks of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the consolidated financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Company to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the consolidated financial statements, including the disclosures, and whether the consolidated financial statements

# McGovern Hurley

represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

From the matters communicated with those charged with governance, we determine those matters that were of most significance in the audit of the consolidated financial statements of the current period and are therefore the key audit matters. We describe these matters in our auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

The engagement partner of the audit resulting in this independent auditor's report is Chris Milios.

**McGovern Hurley LLP**



**Chartered Professional Accountants  
Licensed Public Accountants**

Toronto, Ontario  
April 26, 2024

**Black Swan Graphene Inc.**  
**Consolidated Statements of Financial Position**  
*Expressed in Canadian Dollars*

As at:	Note	December 31, 2023 \$	December 31, 2022 \$
<b>ASSETS</b>			
Current			
Cash and cash equivalents		5,323,893	8,874,657
Amounts receivable		575,495	301,214
Prepaid expenses		562	626
<b>Total current assets</b>		<b>5,899,951</b>	<b>9,176,497</b>
Non-current assets			
Intangible assets	5	7,252,108	8,198,036
Investment		795,249	-
<b>Total assets</b>		<b>13,947,309</b>	<b>17,374,533</b>
<b>LIABILITIES</b>			
Current			
Accounts payable and accrued liabilities		114,230	649,109
<b>Total liabilities</b>		<b>114,230</b>	<b>649,109</b>
<b>SHAREHOLDERS' EQUITY</b>			
Share capital	8	28,114,107	25,487,912
Contributed surplus	8	537,190	390,128
Option reserve	8	1,698,624	1,279,523
Deficit		(16,516,840)	(10,432,138)
<b>Total shareholders' equity</b>		<b>13,833,080</b>	<b>16,725,424</b>
<b>Total liabilities and shareholders' equity</b>		<b>13,947,309</b>	<b>17,374,533</b>

Nature of operations and going concern (Note 1)

Commitments and contingencies (Note 13)

Approved on behalf of the Board of Directors:

Signed: "Simon Marcotte", Director

Signed: "Peter Damouni", Director

The accompanying notes are an integral part of these financial statements.

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# Black Swan Graphene Inc.

## Consolidated Statements of Loss and Comprehensive Loss

Expressed in Canadian Dollars

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For the years ended:	Note	December 31, 2023 \$	December 31, 2022 \$
<b>Expenses</b>			
Management, director and consulting fees	11	<b>1,056,349</b>	1,109,918
Stock-based compensation	8	<b>419,101</b>	265,340
Project development expenses		<b>931,780</b>	452,500
Amortization of intangible assets	5	<b>945,928</b>	945,930
Professional fees		<b>282,671</b>	902,172
Investor relations		<b>772,155</b>	177,893
Office and general		<b>143,332</b>	93,857
Finder's fee		<b>147,062</b>	-
Reverse acquisition transaction costs	7	-	4,568,164
Gain on debt settlement	8	<b>(127,851)</b>	-
Fair value adjustment on long term investment	6	<b>1,660,477</b>	-
Interest income		<b>(146,301)</b>	(24,454)
<b>Net loss and comprehensive loss for the year</b>		<b>(6,084,702)</b>	(8,491,318)
<b>Basic and diluted loss per share</b>		<b>(0.02)</b>	(0.04)
<b>Weighted average number of common shares outstanding</b>			
Basic and diluted	8	<b>297,184,892</b>	240,723,103

The accompanying notes are an integral part of these financial statements.

# Black Swan Graphene Inc.

## Consolidated Statements of Changes in Shareholders' Equity

Expressed in Canadian Dollars

	Common Shares #	Share Capital \$	Contributed Surplus \$	Option Reserve \$	Deficit \$	Shareholders' Equity \$
<b>Balance, December 31, 2021</b>	<b>210,230,343</b>	<b>14,539,384</b>	<b>390,128</b>	<b>1,014,183</b>	<b>(1,940,820)</b>	<b>14,002,875</b>
Private placement financings	46,669,665	7,000,450	-	-	-	7,000,450
Share issue costs		(107,100)	-	-	-	(107,100)
Reverse takeover transaction	16,311,000	2,446,128	-	-	-	2,446,128
Transaction costs - Finder's fee	10,727,000	1,609,050	-	-	-	1,609,050
Stock-based compensation	-	-	-	265,340	-	265,340
Loss for the year	-	-	-	-	(8,491,318)	(8,491,318)
<b>Balance, December 31, 2022</b>	<b>283,938,008</b>	<b>25,487,912</b>	<b>390,128</b>	<b>1,279,523</b>	<b>(10,432,138)</b>	<b>16,725,424</b>
<b>Balance, December 31, 2022</b>	<b>283,938,008</b>	<b>25,487,912</b>	<b>390,128</b>	<b>1,279,523</b>	<b>(10,432,138)</b>	<b>16,725,424</b>
Shares issued for debt	1,420,571	170,469	-	-	-	170,469
Shares issued for investment	16,371,504	2,455,726	-	-	-	2,455,726
Stock-based compensation	-	-	147,062	419,101	-	566,163
Loss for the year	-	-	-	-	(6,084,702)	(6,084,702)
<b>Balance, December 31, 2023</b>	<b>301,730,083</b>	<b>28,114,107</b>	<b>537,190</b>	<b>1,698,624</b>	<b>(16,516,840)</b>	<b>13,833,080</b>

The accompanying notes are an integral part of these financial statements.



**Black Swan Graphene Inc.**  
**Consolidated Statements of Cash Flows**  
*Expressed in Canadian Dollars*

For the years ended:	December 31, 2023	December 31, 2022
	\$	\$
<b>Cash (used in)/provided by:</b>		
<b>Operating activities</b>		
Net loss	(6,084,702)	(8,491,318)
Items not involving cash		
Share based compensation	419,101	265,340
Amortization of patents	945,928	945,930
Transaction costs	-	4,568,164
Finder's fee	147,062	-
Fair value adjustment on long term investment	1,660,477	-
Gain on shares issued for debt settlement	(127,851)	-
Changes in non-cash working capital		
Change in amounts receivable	(274,282)	(262,617)
Change in prepaid expenses	62	20,066
Change in accounts payable and accrued liabilities	(236,559)	20,982
<b>Net cash flow (used in) operating activities</b>	<b>(3,550,764)</b>	<b>(2,933,454)</b>
<b>Investing activities</b>		
Cash acquired from reverse takeover transaction	-	15,141
<b>Net cash flow provided by investing activities</b>	<b>-</b>	<b>15,141</b>
<b>Financing activities</b>		
Proceeds from subscription receipt issuance	-	7,000,450
Payment of share issue costs related to subscription receipts	-	(107,100)
<b>Net cash flow provided by financing activities</b>	<b>-</b>	<b>6,893,350</b>
<b>Net decrease in cash and cash equivalents during the year</b>	<b>(3,550,764)</b>	<b>3,975,037</b>
<b>Cash and cash equivalents, beginning of year</b>	<b>8,874,657</b>	<b>4,899,620</b>
<b>Cash and cash equivalents, end of year</b>	<b>5,323,893</b>	<b>8,874,657</b>
<b>Supplemental cash flow information</b>		
Shares issued for investment	2,455,726	-
Warrants issued in connection with investment	147,062	-
Shares issued for debt	170,469	-

The accompanying notes are an integral part of these financial statements.

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# Black Swan Graphene Inc.

## Notes to the Consolidated Financial Statements

For the years ending December 31, 2023 and December 31, 2022

Expressed in Canadian Dollars

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### 1. NATURE OF OPERATIONS AND GOING CONCERN

Black Swan Graphene Inc., (formerly Dragonfly Capital Corp.) (the “Company”, or “Black Swan”) is focused on the large-scale production and commercialization of patented high-performance and low-cost graphene products aimed at several industrial sectors, including concrete, polymers, Li-ion batteries, and others, which are expected to require large volumes of graphene and, in turn, require large volumes of graphite.

The Company is listed on the TSXV as a Tier 2 Industrial Issuer under the name “Black Swan Graphene Inc.” The Common Shares trade on the TSXV under the symbol “SWAN”.

On August 2, 2022, Black Swan closed its Qualifying Transaction (as such term is defined in TSX Venture Exchange (the “TSXV”) Policy 2.4 – Capital Pool Companies) with Black Swan Graphene Inc. (“PrivCo”), a private Ontario company, pursuant to the terms of a share exchange agreement dated January 17, 2022 as amended, with PrivCo and the shareholders of PrivCo (the “Transaction”). In connection with the Transaction, the Company changed its name from “Dragonfly Capital Corp.” to “Black Swan Graphene Inc.” The Transaction was completed by way of a share exchange whereby the Company acquired all of the outstanding common shares in the capital of PrivCo (each, a “PrivCo Share”) from the shareholders of PrivCo (collectively, the “PrivCo Shareholders”) in consideration for the issuance of an aggregate 210,230,343 common shares (each, a “Common Share”) in the capital of the Company to the PrivCo Shareholders, at a deemed price of \$0.15 per Share. In addition, the 18,620,000 options to purchase PrivCo Shares (each, a “PrivCo Option”) which were outstanding immediately prior to closing of the Transaction were cancelled and the holders thereof were granted an aggregate of 15,175,000 options to purchase Common Shares (each, an “Option”) and 7,875,000 restricted share units (each, a “RSU”) of the Company, under the terms of an omnibus equity incentive plan which was adopted by the board of directors of the Company immediately after closing the Transaction.

The Company will have future needs for equity financing for working capital and the development of its business. Because of continuing operating losses, the Company's continuance as a going concern is dependent upon its ability to obtain adequate financing and to reach profitable levels of operation. It is not possible to predict whether financing efforts will be successful or if the Company will attain profitable levels of operation.

These financial statements have been prepared using accounting policies applicable to a going concern, which contemplates the realization of assets and settlement of liabilities in the normal course of operations. Accordingly, they do not give effect to adjustments that would be necessary should the Company be unable to continue as a going concern and therefore be required to realize its assets and liquidate its liabilities and commitments in other than the normal course of business and at amounts different from those in the accompanying financial statements. Such adjustments could be material.

### 2. BASIS OF PRESENTATION

#### *Basis of presentation*

These consolidated financial statements have been prepared using the accrual basis of accounting, except for cash flow information, and have been prepared using the historical cost basis. Furthermore, these consolidated financial statements are presented in Canadian dollars, which is the functional currency of the Company and its subsidiary. All values are rounded to the nearest dollar.

Subsidiaries consist of entities over which the Company is exposed to, or has rights to, variable returns as well as the ability to affect those returns through the power to direct the relevant activities of the entity. Generally, the Company has a shareholding of more than one half of the voting rights in its subsidiaries. The effects of potential voting rights that are currently exercisable are considered when assessing whether control exists.

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# **Black Swan Graphene Inc.**

## **Notes to the Consolidated Financial Statements**

**For the years ending December 31, 2023 and December 31, 2022**

*Expressed in Canadian Dollars*

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Subsidiaries are fully consolidated from the date control is transferred to the Company and are de-consolidated from the date control ceases. The financial statements include all the assets, liabilities, revenues, expenses and cash flows of the Company and its subsidiaries after eliminating inter-entity balances and transactions.

### ***Approval of the financial statements***

These financial statements of the Company for the year ended December 31, 2023 were reviewed, approved and authorized for issue by the Board of Directors of the Company on April 26, 2024.

### **3. SIGNIFICANT ACCOUNTING POLICIES**

#### ***Critical judgements and estimation uncertainties***

The preparation of financial statements in conformity with IFRS requires the Company's management to make judgments, estimates and assumptions about future events that affect the amounts reported in the financial statements and related notes to the financial statements. Although these estimates are based on management's best knowledge of the amount, event or actions, actual results may differ from those estimates.

The areas which require management to make significant judgments, estimates and assumptions in determining carrying values include, but are not limited to:

#### **Income, value added, withholding and other taxes**

The Company is subject to income, value added, withholding and other taxes. Significant judgment is required in determining the Company's provisions for taxes. There are many transactions and calculations for which the ultimate tax determination is uncertain during the ordinary course of business. The Company recognizes liabilities for anticipated tax audit issues based on estimates of whether additional taxes will be due. The determination of the Company's income, value added, withholding and other tax liabilities requires interpretation of complex laws and regulations. The Company's interpretation of taxation law as applied to transactions and activities may not coincide with the interpretation of the tax authorities. All tax related filings are subject to government audit and potential reassessment subsequent to the financial statement reporting period. Where the final tax outcome of these matters is different from the amounts that were initially recorded, such differences will impact the tax related accruals and deferred income tax provisions in the period in which such determination is made.

#### **Share-based payments**

Management determines costs for share-based payments using market-based valuation techniques. The fair value of the market-based share awards is determined at the date of grant using generally accepted valuation techniques. Assumptions are made and judgment used in applying valuation techniques. These assumptions and judgments include estimating the future volatility of the stock price, expected dividend yield, future employee turnover rates and future employee stock option exercise behaviors and corporate performance. The value of shares of a private entity are generally determined based on the previous private placement finance price. Such judgments and assumptions are inherently uncertain. Changes in these assumptions affect the fair value estimates.

#### **Intangible assets**

The Company makes use of experience and assumptions in estimating the useful lives and residual values of intangible assets. Management reviews annually at December 31, whether any indications of impairment exist for intangible assets. Information that the Company considers includes changes in the market, economic and legal environment in which the Company operates as well as internal sources of information. Estimates include but are not limited to estimates of the discounted future after-tax cash flows expected to be derived from the Company's intangible assets, costs to sell the assets and the appropriate discount rate. Changes in projected future revenues, estimated future costs of sales, estimated future capital costs, and/or adverse current economics are some factors that could result in a write-down of the carrying amounts of the intangible assets.

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# **Black Swan Graphene Inc.**

## **Notes to the Consolidated Financial Statements**

**For the years ending December 31, 2023 and December 31, 2022**

*Expressed in Canadian Dollars*

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### **3. SIGNIFICANT ACCOUNTING POLICIES (Continued)**

#### **Asset carrying values and impairment charges**

In the determination of carrying values and impairment charges, management looks at the higher of recoverable amount or fair value less costs to sell in the case of assets and at objective evidence, significant or prolonged decline of fair value on financial assets indicating impairment. These determinations and their individual assumptions require that management make a decision based on the best available information at each reporting period.

#### **Contingencies**

By their nature, contingencies will only be resolved when one or more future events occur or fail to occur. The assessment of contingencies inherently involves the exercise of significant judgement and estimates of the outcome of future events. See Notes 1 and 13.

#### **Fair value of investment in securities not quoted in an active market**

The fair value of financial instruments that are traded in active markets at each reporting date is determined by reference to quoted market prices or dealer price quotations. For financial instruments not traded in an active market, the fair value is determined using a variety of valuation techniques. The inputs to these models are derived from observable market data where possible, but where observable data is not available, judgement is required to establish fair values. (Note 10)

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# **Black Swan Graphene Inc.**

## **Notes to the Consolidated Financial Statements**

**For the years ending December 31, 2023 and December 31, 2022**

*Expressed in Canadian Dollars*

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### **3. SIGNIFICANT ACCOUNTING POLICIES (Continued)**

#### ***Financial Instruments***

##### **Financial Assets**

###### **Initial recognition and measurement**

Non-derivative financial assets within the scope of IFRS 9 are classified and measured as “financial assets at fair value”, as either fair value through profit or loss (“FVPL”) or fair value through other comprehensive income (“FVOCI”), and “financial assets at amortized costs”, as appropriate. The Company determines the classification of financial assets at the time of initial recognition based on the Company’s business model and the contractual terms of the cash flows.

All financial assets are recognized initially at fair value plus, in the case of financial assets not at FVPL, directly attributable transaction costs on the trade date at which the Company becomes a party to the contractual provisions of the instrument.

###### **Subsequent measurement- financial assets at amortized cost**

After initial recognition, financial assets measured at amortized cost are subsequently measured at the end of each reporting period at amortized cost using the Effective Interest Rate (“EIR”) method. Amortized cost is calculated by taking into account any discount or premium on acquisition and any fees or costs that are an integral part of the EIR. The EIR amortization is included in the statements of loss. The Company’s cash and cash equivalents and amounts receivable are recorded at amortized cost.

###### **Subsequent measurement – financial assets at FVPL**

Financial assets measured at FVPL include financial assets management intends to sell in the short term and any derivative financial instrument that is not designated as a hedging instrument in a hedge relationship. Financial assets measured at FVPL are carried at fair value in the statements of financial position with changes in fair value recognized in other income or expense in the statements of loss.

###### **Subsequent measurement – financial assets at FVOCI**

Financial assets measured at FVOCI are non-derivative financial assets that are not held for trading and the Company has made an irrevocable election at the time of initial recognition to measure the assets at FVOCI. The Company does not measure any financial assets at FVOCI.

After initial measurement, investments measured at FVOCI are subsequently measured at fair value with unrealized gains or losses recognized in other comprehensive income or loss in the statements of comprehensive loss. When the investment is sold, the cumulative gain or loss remains in accumulated other comprehensive income or loss and is not reclassified to profit or loss.

###### **Derecognition**

A financial asset is derecognized when the contractual rights to the cash flows from the asset expire, or the Company no longer retains substantially all the risks and rewards of ownership.

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# **Black Swan Graphene Inc.**

## **Notes to the Consolidated Financial Statements**

**For the years ending December 31, 2023 and December 31, 2022**

*Expressed in Canadian Dollars*

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### **3. SIGNIFICANT ACCOUNTING POLICIES (continued)**

#### **Impairment of financial assets**

The Company's only financial assets subject to impairment are amounts receivable, which are measured at amortized cost. The Company has elected to apply the simplified approach to impairment as permitted by IFRS 9, which requires the expected lifetime loss to be recognized at the time of initial recognition of the receivable. To measure estimated credit losses, amounts receivable have been grouped based on shared credit risk characteristics, including the number of days past due. An impairment loss is reversed in subsequent periods if the amount of the expected loss decreases, and the decrease can be objectively related to an event occurring after the initial impairment was recognized.

#### **Financial Liabilities**

##### **Initial recognition and measurement**

Financial liabilities are measured at amortized cost, unless they are required to be measured at FVPL as is the case for held for trading or derivative instruments, or the Company has opted to measure the financial liability at FVPL. The Company's financial liabilities include accounts payable and accrued liabilities, which are measured at amortized cost. All financial liabilities are recognized initially at fair value.

##### **Subsequent measurement – financial liabilities at amortized cost**

After initial recognition, financial liabilities measured at amortized cost are subsequently measured at the end of each reporting period at amortized cost using the EIR method. Amortized cost is calculated by taking into account any discount or premium on acquisition and any fees or costs that are an integral part of the EIR. The EIR amortization is included in the statements of loss. The Company's accounts payable and accrued liabilities are recorded at amortized cost.

##### **Derecognition**

A financial liability is derecognized when the obligation under the liability is discharged, cancelled or expires with any associated gain or loss recognized in other income or expense in the statements of loss.

##### Cash and cash equivalents

Cash equivalents include deposits held with banks which may be settled on demand or an original maturity of less than 90 days.

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# **Black Swan Graphene Inc.**

## **Notes to the Consolidated Financial Statements**

**For the years ending December 31, 2023 and December 31, 2022**

*Expressed in Canadian Dollars*

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### **3. SIGNIFICANT ACCOUNTING POLICIES (continued)**

#### ***Common shares***

Common shares are classified as equity. Transaction costs directly attributable to the issue of common shares are recognized as a deduction from equity, net of any tax effects.

#### ***Foreign currency translation***

The presentation and functional currency of the Company is the Canadian dollar. Transactions in currencies other than the functional currency are recorded at the rates of exchange prevailing on the dates of the transactions. At each reporting date, monetary assets and liabilities that are denominated in foreign currencies are translated at the rates prevailing at the date of the statement of financial position. Exchange differences are recognized in operations in the period in which they arise.

#### ***Income taxes***

Any income tax on profit or loss for the period presented comprises current and deferred tax. Income tax is recognized in profit or loss except to the extent that it relates to items recognized directly in equity or other comprehensive income/loss, in which case the income tax is recognized in equity or other comprehensive income/loss.

Current tax is the expected tax payable on the taxable income for the year, using tax rates enacted, or substantively enacted, at the end of the reporting period, and any adjustment to tax payable in respect of previous years. Current tax assets and current tax liabilities are only offset if a legally enforceable right exists to set off the amounts, and the Company intends to settle on a net basis, or to realize the asset and settle the liability simultaneously. Deferred tax is provided for temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for taxation purposes. Temporary differences are not provided for the initial recognition of assets or liabilities that affect neither accounting nor taxable profit. The amount of deferred tax provided is based on the expected manner of realization or settlement of the carrying amount of assets and liabilities, on a non-discounted basis using tax rates at the end of the reporting period applicable to the period of expected realization. A deferred tax asset is recognized only to the extent that it is probable that future taxable profits will be available against which the asset can be utilized.

#### ***Share-based payments***

Equity-settled share-based payments to employees and others providing similar services are measured at the fair value of the equity instruments at the grant date.

The fair value determined at the grant date of the equity-settled share-based payments is expensed on a graded vesting basis over the period during which the employee becomes unconditionally entitled to equity instruments, based on the Company's estimate of equity instruments that will eventually vest. At the end of each reporting period, the Company revises its estimate of the number of equity instruments expected to vest. The impact of the revision of the original estimates, if any, is recognized in profit or loss such that the cumulative expense reflects the revised estimate, with a corresponding adjustment to the equity reserve.

Equity-settled share-based payment transactions with parties other than employees are measured at the fair value of the goods or services received, except where that fair value cannot be estimated reliably, in which case they are measured at the fair value of the equity instruments granted, measured at the date the entity obtains the goods or the counterparty renders the service.

For those options and warrants that expire after vesting, the recorded value is transferred to deficit.

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# **Black Swan Graphene Inc.**

## **Notes to the Consolidated Financial Statements**

**For the years ending December 31, 2023 and December 31, 2022**

*Expressed in Canadian Dollars*

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### **3. SIGNIFICANT ACCOUNTING POLICIES (continued)**

#### ***Loss per share***

The Company presents basic and diluted loss per share data for its common shares, calculated by dividing the loss attributable to common shareholders of the Company by the weighted average number of common shares outstanding during the period. The diluted loss per share calculation assumes that any proceeds from the exercise of dilutive stock options and warrants would be used to repurchase common shares at the average market price during the period, with the incremental number of shares being included in the denominator of the diluted loss per share calculation. Diluted loss per share does not adjust the loss attributable to common shareholders or the weighted average number of common shares outstanding when the effect is anti-dilutive. All the Company's outstanding options were anti-dilutive to December 31, 2023 and 2022.

#### ***Impairment of non-financial assets***

Impairment is determined for an individual asset, unless the asset does not generate cash inflows that are largely independent of those from other assets or groups of assets. If this is the case, the individual assets of the Company are grouped together into cash generating units ("CGUs") for impairment purposes. Such CGUs represent the lowest level for which there are separately identifiable cash inflows that are largely independent of the cash flows from other assets or other groups of assets. If the carrying amount of the asset exceeds its recoverable amount, the asset is impaired, and an impairment loss is charged to loss to reduce the carrying amount to its recoverable amount.

A previously recognized impairment loss is reversed only if there has been a change in the estimates used to determine the asset's recoverable amount since the last impairment loss was recognized. If this is the case, the carrying amount of the asset is increased to its recoverable amount. The increased amount cannot exceed the carrying amount that would have been determined, net of depreciation/amortization, had no impairment loss been recognized for the asset in prior years. Such a reversal is recognized in loss.

#### ***Intangible assets***

Intangible assets that are acquired separately are initially recorded at cost. Following initial recognition, intangible assets are carried at cost less accumulated amortization and impairment losses, if applicable. The useful life of intangible assets is assessed as being either finite or indefinite. Fixed-life intangible assets are amortized over their useful life and are tested for impairment whenever there is any indication that the intangible asset may have depreciated. The amortization period and the amortization method for intangible assets with a finite useful life are reviewed at each closing date. Changes in the expected useful life or in the consumption of future economic benefits of the asset are considered to be factors modifying the depreciation period or method, if any, and are treated as changes in accounting estimates. Depreciation expense for finite life intangible assets is recognized in the statements of loss and comprehensive loss.

Identifiable intangible assets are recorded at cost and are amortized using a straight-line basis over 10 years.



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# Black Swan Graphene Inc.

## Notes to the Consolidated Financial Statements

For the years ending December 31, 2023 and December 31, 2022

Expressed in Canadian Dollars

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### 3. SIGNIFICANT ACCOUNTING POLICIES (continued)

#### *Accounting changes*

During the year ended December 31, 2023, the Company adopted a number of amendments and improvements of existing standards. These included amendments to IAS 8 and IFRS 10. These new standards and changes did not have any material impact on the Company's financial statements.

Certain pronouncements were issued by the IASB or the IFRIC that are mandatory for accounting periods commencing on or after January 1, 2024. Many are not applicable or do not have a significant impact to the Company and have been excluded. The following have not yet been adopted and are being evaluated to determine their impact on the financial statements.

#### **Classification of Liabilities as Current or Non-current (Amendments to IAS 1)**

IAS 1 – Presentation of Financial Statements (“IAS 1”) was amended in January 2020 to provide a more general approach to the classification of liabilities under IAS 1 based on the contractual arrangements in place at the reporting date. The amendments clarify that the classification of liabilities as current or noncurrent is based solely on a company’s right to defer settlement at the reporting date. The right needs to be unconditional and must have substance. The amendments also clarify that the transfer of a company’s own equity instruments is regarded as settlement of a liability, unless it results from the exercise of a conversion option meeting the definition of an equity instrument. The amendments are effective for annual periods beginning on January 1, 2024.

#### **Sale of Contribution of Assets between an Investor and its Associate or Joint Venture (Amendments to IFRS 10 and IAS 28)**

IFRS 10 – Consolidated Financial Statements (“IFRS 10”) and IAS 28 – Investments in Associates and Joint Ventures (“IAS 28”) were amended in September 2014 to address a conflict between the requirements of IAS 28 and IFRS 10 and clarify that in a transaction involving an associate or joint venture, the extent of gain or loss recognition depends on whether the assets sold or contributed constitute a business. The effective date of these amendments is yet to be determined; however early adoption is permitted.

### 4. CASH AND CASH EQUIVALENTS

	<b>December 31, December 31,</b>	
	<b>2023</b>	<b>2022</b>
	<b>\$</b>	<b>\$</b>
Cash	1,323,893	8,874,657
Guaranteed investment certificate ("GIC") bearing interest at 4.45% per annum maturing March 6, 2024	4,000,000	-
Cash and cash equivalents	5,323,893	8,874,657

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# Black Swan Graphene Inc.

## Notes to the Consolidated Financial Statements

For the years ending December 31, 2023 and December 31, 2022

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### 5. INTANGIBLE ASSETS

The Company acquired certain intangible asset related to a patented graphene processing technology from Thomas Swan, and a license from Trinity College Dublin for the production of exfoliated defect-free, non-oxidized 2-D materials in large quantities (the "TCD License"), which license was previously held by Thomas Swan. In addition, Black Swan Graphene and Thomas Swan have entered into a License Agreement and a Sub-License Agreement, pursuant to which Black Swan Graphene has granted Thomas Swan a license to graphene processing technology for production of up to 1,000 tonnes per year and Black Swan Graphene has sub-licensed the TCD License to Thomas Swan, respectively.

The TCD License is subject to an incremental royalty rate ranging from 3.0% up to 9.0% of net sales when greater than €20,000,000 (\$27,345,000) and have lives of 15 or 20 years from the commencement of commercial sales related to such licenses.

Intangible assets are amortized over a ten-year period.

Balance December 31, 2021	9,143,969
Amortization of Intangible assets	(945,933)
Balance December 31, 2022	8,198,036

Balance December 31, 2022	8,198,036
Amortization of Intangible assets	(945,928)
Balance December 31, 2023	7,252,108

### ***GEIC Membership Agreement***

On March 9, 2022, BSG and the University of Manchester entered into the GEIC Membership Agreement, granting the Company a "Tier 2" membership in the Graphene Engineering Innovation Centre ("GEIC") established by the University. The GEIC Membership Agreement grants the Company a license to occupy a shared laboratory space and book hot desk space at the University. BSG shall retain or be passed title to all intellectual property, know-how and results generated from such collaborative projects with the University of Manchester, subject to a 5% royalty, Black Swan must pay to the University for a period of 15 years if BSG commercially exploits such intellectual property, know-how or results. Pursuant to the terms and conditions set out in the GEIC Membership Agreement, the University of Manchester may publish the results obtained from the collaborative projects.

### 6. LONG TERM INVESTMENT

On April 5, 2023, under an Equity Swap, Nationwide Engineering Research and Development Ltd ("NERD") issued to Black Swan 7,177 seed preferred shares ("NERD Shares"), ranking senior to all other shares in the share capital of NERD, at a deemed price per share of £220 for an aggregate deemed subscription price of approximately £1.58 million or approximately CAD\$2.65M. and representing a 5.0% ownership stake in NERD as of April 5, 2023. Black Swan paid for the NERD Shares by way of issuance of 16,371,504 common shares in the capital of Black Swan. The value of the Investment in NERD was based on the closing price of the Company's common shares on the TSX-V on April 5, 2023 which was \$2,455,726. On the date of the acquisition the value of the investment was \$2,455,726. As at December 31, 2023, after a fair value adjustment, based on a subsequent financing, the value of the investment is \$795,249 and the Company's ownership interest is 4.93%.

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# Black Swan Graphene Inc.

## Notes to the Consolidated Financial Statements

For the years ending December 31, 2023 and December 31, 2022

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### 6. LONG TERM INVESTMENT (continued)

As part of the transaction, the Company issued 1,600,000 compensation warrants with an expiry date of April 5, 2026 and an exercise price of \$0.15.

### 7. REVERSE TAKEOVER TRANSACTION

On August 2, 2022, Black Swan completed a reverse takeover transaction pursuant to which it acquired all of the issued and outstanding common shares of Black Swan Graphene Inc.

To record the Transaction, whereby under acquisition accounting rules, Black Swan acquired Dragonfly. The Transaction is assumed to constitute an asset acquisition, as Dragonfly did not meet the definition of a business in accordance with IFRS 3. The number of shares issued to Dragonfly shareholders was 16,311,000. The value of the shares issued for the purchase price has been based on the price of the shares in the subscription receipt financing as the concurrent subscription receipt price was assessed as being the best estimate of the fair value of the shares.

As part of the acquisition, the Company acquired a working capital deficiency of \$212,986. Transaction costs, being the excess of the value of the shares issued over net assets, were \$4,586,686.

In addition to the terms of the Finder's Fee Agreement, Black Swan agreed to issue 10,727,000 shares at a deemed price of \$0.15 per Resulting Issuer Share, as a finder's fee in consideration for the finder's services in facilitating the identification, negotiation and implementation of the reverse takeover of Dragonfly by Black Swan with a value of \$1,609,050.

Details of the allocation of the estimated fair values of identifiable assets acquired and liabilities assumed, and price consideration are as follows:

Consideration paid:

16,311,000 shares issued with value of \$.15	\$	2,446,128
10,727,000 shares issued as finder's fees		1,609,050
	\$	<u>4,055,178</u>

Purchase price allocation:

Cash	\$	15,141
Accounts payable		(528,127)
Transaction costs		4,568,164
	\$	<u>4,055,178</u>

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# Black Swan Graphene Inc.

## Notes to the Consolidated Financial Statements

For the years ending December 31, 2023 and December 31, 2022

Expressed in Canadian Dollars

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### 8. SHARE CAPITAL AND CONTRIBUTED SURPLUS

#### Authorized

On December 31, 2023, the authorized share capital consisted of an unlimited number of common shares, each carrying one vote.

As part of the reverse acquisition transaction (Note 1 and 7), an exchange ratio was applied whereby each share of Black Swan was exchanged for 15.2 shares. The share and per share quantities and values have been retroactively updated to reflect this share exchange ratio.

#### Issued and Outstanding

On December 31, 2023, the Company had 301,730,083 common shares issued.

Common share activity during the years ended December 31, 2023 and 2022 are as follows:

	Number of shares outstanding	Amount
<b>Balance, December 31, 2021</b>	<b>210,230,343</b>	<b>14,539,384</b>
Private placement financings (iv)	46,669,665	7,000,450
Share issue costs	-	(107,100)
Transaction costs - Finder's fee (v)	10,727,000	1,609,050
Reverse takeover transaction (iii)	16,311,000	2,446,128
<b>Balance, December 31, 2022</b>	<b>283,938,008</b>	<b>25,487,912</b>
Shares issued for debt (ii)	1,420,571	170,469
Shares issued for investment (i)	16,371,504	2,455,726
<b>Balance, December 31, 2023</b>	<b>301,730,083</b>	<b>28,114,107</b>

- i. See Note 5 (Long term Investment)
- ii. On March 14, 2023, 1,420,571 common shares were issued as part of a debt settlement for services provided to the Company. A total of \$298,320 in debts were settled through issuance of shares (using the quoted market value) in the value of \$170,469. This resulted in a gain on debt settlement of \$127,851.
- iii. In connection with the reverse acquisition transaction completed on August 2, 2022, 16,311,000 shares were issued to the former shareholders of Dragonfly Capital Corp. valued at a price of \$0.15 which was the value of common shares issued as part of the subscription receipt financing that closed as part of the closing of the reverse takeover transaction. (Note 6)
- iv. On August 2, 2022, the Company completed a non-brokered financing ("the Subscription Receipt Financing") of 46,669,665 subscription receipts at a price of \$0.15 per Subscription Receipt to raise gross proceeds of \$7,000,450. Each Subscription Receipt has been exchanged for one Common Share on completion of the reverse acquisition transaction. A member of management subscribed for 266,667 shares at a value of \$40,000. (Note 6).
- v. Pursuant to the terms of the Finder's Fee Agreement, Black Swan agreed to issue 10,727,000 shares at a deemed price of \$0.15 per Resulting Issuer Share, as a finder's fee in consideration for the finder's

# Black Swan Graphene Inc.

## Notes to the Consolidated Financial Statements

For the years ending December 31, 2023 and December 31, 2022

Expressed in Canadian Dollars

### 8. SHARE CAPITAL AND CONTRIBUTED SURPLUS (continued)

services in facilitating the identification, negotiation and implementation of the reverse takeover of Dragonfly by Black Swan (Note 6).

#### **Stock Options, Restricted Share Units and Warrants**

Black Swan established an equity incentive plan to be known as the Omnibus Equity Incentive Plan (as the same may be amended from time to time in accordance with its terms, (the "Plan"). The Plan permits the grant of Options to purchase common shares, Restricted Share Units, Deferred Share Units and Performance Share Units. The Plan was approved by the Board on August 2, 2022. The exercise price and vesting period of any option is fixed by the Board of Directors on the date of grant, in accordance with applicable stock exchange or other regulatory requirements, if applicable. The maximum aggregate number of common shares under option at any time under the Plan cannot exceed 10% of the issued shares.

The following schedule details stock options outstanding as at December 31, 2023:

Number outstanding #	Grant date	Expiry date	Exercise price \$	Estimated grant date fair value \$	Volatility	Risk- interest rate	Expected remaining life	Expected dividend yield	Weighted average Remaining life
13,000,000	25-Oct-21	25-Oct-31	\$0.15	1,746,550	103%	2.71%	9.24	0%	7.82
2,175,000	19-Nov-21	19-Nov-26	\$0.15	247,363	109%	2.85%	4.28	0%	2.87
1,050,000	7-Nov-22	7-Nov-27	\$0.15	74,122	109%	3.77%	5.00	0%	3.85
500,000	2-May-23	2-May-28	\$0.17	70,890	106%	2.95%	5.00	0%	4.34
<b>16,725,000</b>				<b>2,138,925</b>					

On the Transaction date, outstanding options of Black Swan were cancelled and replaced with 15,175,000 options exercisable at \$0.15 per share, and 7,875,000 Restricted Share Units, vesting over one year. The cancellation and replacement of these share-based payment instruments is identified as a modification for accounting purposes in accordance with IFRS2, Share-based payment.

In accordance with modification accounting, the value of the share based payments previously outstanding was re-estimated at the modification date using the Black-Scholes option pricing model and the following assumptions: expected life of 9.6 years or 4.6 years, expected volatility of 83%, risk free interest rate of 3%, current stock price based on the price of the shares in the subscription receipt financing ((Note 3(b), as the concurrent subscription receipt price was assessed as being the best estimate of the fair value of the shares), and expected dividend yield of 0%); - the value of the share based payments outstanding after the modification were estimated at the modification date whereby: the value of options was estimated using the Black-Scholes option pricing model and the following assumptions: expected life of 9.6 years or 4.6 years, expected volatility of 83%, risk free interest rate of 3%, current stock price based on the price of the shares in the subscription receipt financing (Note 3(b), as the concurrent subscription receipt price was assessed as being the best estimate of the fair value of the shares), and expected dividend yield of 0%); and on the value of the RSUs was estimated based on the price of the shares in the subscription receipt financing ((Note 3(b), as the concurrent subscription receipt price was assessed as being the best estimate of the fair value of the shares). Based on this analysis, it was determined that an incremental fair value of \$577,589 results due to the modification.

This incremental fair value is less than the estimated fair value of the RSUs, and is to be recorded over the vesting period of the RSUs, with no additional expense to be recorded at the time of the modification and Transaction. During the year ended December 31, 2023, \$338,641 (December 31, 2022, \$238,948) was recorded as share based payments.

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# Black Swan Graphene Inc.

## Notes to the Consolidated Financial Statements

For the years ending December 31, 2023 and December 31, 2022

Expressed in Canadian Dollars

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### 8. SHARE CAPITAL AND CONTRIBUTED SURPLUS (continued)

#### *Stock Options, Restricted Share Units and Warrants(continued)*

##### **Restricted Share Units**

On August 2, 2022, the Company granted 7,875,000 restricted share units (“RSU’s”) to Directors, Officers and Consultants of the Company. The RSU’s originally vested immediately but the vesting terms have been amended whereby by the RSU’s vested on August 2, 2023 and expire on August 2, 2025. No RSU’s have been exercised as at December 31, 2023.

##### **Warrants**

The changes in warrants issued during the years ended December 31, 2023 and 2022 are as follows:

	Number	Weighted average exercise price	Value of warrants
Outstanding, December 31, 2021	-	\$ -	\$ -
Outstanding, December 31, 2022	-	\$ -	-
Issued, April 5, 2023	1,600,000	\$ 0.15	147,062
Outstanding, December 31, 2023	1,600,000	\$ 0.15	147,062

The 1,600,000 warrants were issued to Paradigm Capital in connection with the investment in NERD. See Note 5.

The following table summarizes the warrants outstanding as at December 31, 2023:

Number outstanding #	Grant date	Expiry date	Exercise price \$	Estimated grant date fair value \$	Volatility	Risk-free interest rate	Expected life (Yrs) #	Expected dividend yield	Remaining life
1,600,000	5-Apr-23	5-Apr-26	\$0.15	147,062	96%	3.32%	3.00	0%	2.26
<b>1,600,000</b>				<b>147,062</b>					

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# **Black Swan Graphene Inc.**

## **Notes to the Consolidated Financial Statements**

**For the years ending December 31, 2023 and December 31, 2022**

*Expressed in Canadian Dollars*

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### **9. CAPITAL MANAGEMENT**

The Company manages and adjusts its capital structure based on available funds in order to support the acquisition, exploration and development of mineral properties. The Board does not establish quantitative return on capital criteria for management, but rather relies on the expertise of the Company's management to sustain future development of the business. The Company considers its capital to consist of common shares.

Management reviews its capital management approach on an ongoing basis and believes that this approach, given the relative size of the Company, is reasonable. There were no significant changes in the Company's approach to capital management during the years ended December 31, 2023 and 2022.

The Company is not subject to any capital requirements imposed by a lending institution or regulatory body, other than of the TSX Venture Exchange ("TSXV") which requires adequate working capital or financial resources of the greater of (i) \$50,000 and (ii) an amount required in order to maintain operations and cover general and administrative expenses for a period of 6 months.

As of December 31, 2023 and 2022, the Company believes it is compliant with the policies of the TSXV.

### **10. FINANCIAL INSTRUMENTS**

Financial instruments recorded at fair value on the statement of financial position are classified using a fair value hierarchy that reflects the significance of the inputs used in making the measurements. The fair value hierarchy has the following levels:

- a) Level 1 - Unadjusted quoted prices in active markets for identical assets or liabilities;
- b) Level 2 - Inputs other than quoted prices that are observable for assets or liabilities, either directly or indirectly; and
- c) Level 3 - Inputs for assets and liabilities that are not based on observable market data.

The fair value hierarchy requires the use of observable market inputs whenever such inputs exist. A financial instrument is classified to the lowest level of the hierarchy for which a significant input has been considered in measuring fair value.

The Company's financial instruments include cash, amounts receivable, investment, and accounts payable and accrued liabilities. The carrying values of these financial instruments reported in the statements of financial position approximate their respective fair values (with the exception of the investment) due to the relatively short-term nature of these instruments. As at December 31, 2023, the Company classifies their investment as a level 3 financial instrument. (none in 2022).

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# Black Swan Graphene Inc.

## Notes to the Consolidated Financial Statements

For the years ending December 31, 2023 and December 31, 2022

Expressed in Canadian Dollars

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### 10. FINANCIAL INSTRUMENTS (continued)

The following tables illustrates the classification and hierarchy of the Company's financial instruments, measured at fair value in the statements of financial position as at December 31, 2023.

	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>
		Valuation technique- observable market inputs	Valuation technique-non observable market inputs
Investments, fair value	Quoted Market price		
Private investment	-	-	795,249
<b>December 31, 2023</b>			<b>795,249</b>

Within Level 3, the Company includes private company investments that are not quoted on an exchange. The key assumptions used in the valuation of these instruments include (but are not limited to) the value at which a recent financing was done by the investee, company-specific information, trends in general market conditions and the share performance of comparable publicly-traded companies. The following table presents the fair value, categorized by key valuation techniques and the unobservable inputs used within Level 3 as at December 31, 2023.

Description	Valuation Fair Value Technique	Significant Unobservable input(s)	Range of significant Unobservable input(s)
<b>December 31, 2023</b>	795,249 Recent financing	Marketability of shares	0% discount

As valuations of investments for which market quotations are not readily available, are inherently uncertain, may fluctuate within short periods of time and are based on estimates, determination of fair value may differ materially from the values that would have resulted if a ready market existed for the investments. Given the size of the private investment portfolio, such changes may have a significant impact on the Company's financial condition or operating results.

As at December 31, 2023, a +/- 10% change in the fair value of NERD will result in a corresponding +/- \$79,525 (2022-\$nil) change in the carrying amount. While this illustrates the overall effect of changing the values of the unobservable inputs by a set percentage, the significance of the impact and the range of reasonably possible alternative assumptions may differ significantly between investments, given their different terms and circumstances. The sensitivity analysis is intended to reflect the significant uncertainty inherent in the valuation



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# Black Swan Graphene Inc.

## Notes to the Consolidated Financial Statements

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### 10. FINANCIAL INSTRUMENTS (continued)

of private investments under current market conditions, and the results cannot be extrapolated due to non-linear effects that changes in valuation assumptions may have on the estimated fair value of these investments. Furthermore, the analysis does not indicate a probability of changes occurring and it does not necessarily represent the Company's view of expected future changes in the fair value of these investments. Any management actions that may be taken to mitigate the inherent risks are not reflected in this analysis.

The Company's risk exposures and the impact on the Company's financial instruments are summarized below:

(a) *Credit risk*

Counterparty credit risk is the risk that the financial benefits of contracts with a specific counterparty will be lost if a counterparty defaults on its obligations under the contract. This includes any cash amounts owed to the Company by those counterparties, less any amounts owed to the counterparty by the Company where a legal right of set-off exists and also includes the fair values of contracts with individual counterparties which are recorded in the financial statements.

a. *Trade credit risk*

The Company is not exposed to significant trade credit risk.

b. *Cash*

In order to manage credit and liquidity risk the Company's policy is to invest only in highly rated investment grade instruments that have maturities of three months or less. Limits are also established based on the type of investment, the counterparty and the credit rating.

(b) *Currency risk*

Currency risk is the risk that the fair value of, or future cash flows from, the Company's financial instruments will fluctuate because of changes in foreign exchange rates. The Company's foreign currency risk arises primarily with respect to UK sterling and US dollars from operations. Fluctuations in the exchange rates between these currencies and the Canadian dollar could have a material effect on the Company's business, financial condition and results of operations. The Company does not engage in any hedging activity to mitigate this risk. The Company did not have any UK sterling denominated assets and liabilities as at December 31 2023 or 2022.

As at December 31, 2023 (nil in 2022), the Company had cash of US dollars of \$5,420 as the only financial instrument denominated in US dollars (expressed in Canadian dollars):

A 10% strengthening (weakening) of the Canadian dollar against the United States dollar would decrease (increase) net loss by approximately \$542 (December 31, 2022: \$nil).

(c) *Liquidity risk*

Liquidity risk is the risk that an entity will encounter difficulty in meeting obligations associated with financial liabilities. The Company's approach to managing liquidity risk is to ensure that it will have sufficient liquidity to meet liabilities when due. At December 31, 2023, the Company had a cash balance of \$5,323,893 (December 31, 2022 - \$8,874,657) to settle current liabilities of \$114,230 (December 31, 2022 - \$449,109). The Company's trade payables have contractual maturities of less than 30 days and are subject to normal trade terms.

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# **Black Swan Graphene Inc.**

## **Notes to the Consolidated Financial Statements**

**For the years ending December 31, 2023 and December 31, 2022**

*Expressed in Canadian Dollars*

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### **11. RELATED PARTY TRANSACTIONS**

#### ***Compensation of key management personnel of the Company***

In accordance with IAS 24, key management personnel are those persons having authority and responsibility for planning, directing and controlling the activities of the Company directly or indirectly, including any directors (executive and non-executive) of the Company. During the year ended December 31, 2023, the remuneration of directors and other key management personnel was \$956,000. (2022 - \$1,109,918). A total of \$419,101 (December 31, 2022 - \$265,340) was recorded for stock based compensation.

As at December 31, 2023, \$48,913 (December 31, 2022 – nil) was owed to certain directors for director fees. The amounts owing to related parties are unsecured, non-interest bearing and due on demand.

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# Black Swan Graphene Inc.

## Notes to the Consolidated Financial Statements

For the years ending December 31, 2023 and December 31, 2022

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### 12. INCOME TAXES

#### Provision for Income Taxes

The reconciliation of the combined Canadian federal and provincial statutory income tax rate of 26.5% to the effective rate is as follows:

	2023	2022
	\$	\$
(Loss) before income taxes	(6,084,702)	(8,491,318)
Expected income tax recovery based on statutory rate	(1,612,000)	(2,250,000)
Adjustment to expected income tax recovery:		
Share based compensation	111,000	70,000
RTO transaction costs	-	1,220,000
Other	39,000	-
Change in benefit of tax assets not recognized	1,462,000	960,000
Deferred income tax provision (recovery)	-	-

#### Deferred Income Tax

Deferred taxes are a result of temporary differences that arise due to the differences between the income tax values and the carrying amount of assets and liabilities:

	2023	2022
	\$	\$
<u>Unrecognized deferred tax assets</u>		
Deferred income tax assets have not been recognized in respect of the following deductible temporary differences:		
Non-capital loss carry-forwards	6,563,000	3,625,000
Share issue costs	72,000	98,000
Investments	1,660,000	
Other temporary differences	2,207,000	1,261,000
Total	10,502,000	4,984,000

Deferred tax assets have not been recognized in respect of these items because it is not probable that future taxable profit will be available against which the Company can use the benefits.

### 13. COMMITMENTS AND CONTINGENCIES

#### Management Contracts

The Company is party to certain management contracts. These contracts require payments of \$1,475,000 upon the occurrence of a change in control of the Company, as defined by each officer's respective consulting agreement. The Company is also committed to payments upon termination of \$711,500 pursuant to the terms of these contracts. As a triggering event has not taken place, the contingent payments have not been reflected in these consolidated financial statements.