

Quarterly Activities ReportQuarter Ended 31 December 2020

Highlights

- First new gold discovery (Angus) at the Cape Ray Gold Project in Newfoundland, Canada in over 20 years. Angus is located 1 kilometer from the Window Glass Hill Deposit. Significant intersections reported during the Quarter include:
 - CRD126 20 metres @ 2.38 g/t Au from 82m (incl. 9 metres @ 4.99 g/t Au)
 - CRD171 7 metres @ 2.02g/t Au (within 30 metres @ 0.74g/t Au) from 19 metres
 - CRD172 7 metres @ 1.27 g/t Au (within 11 metres @ 0.9 g/t Au) from 98 metres and 7 metres @ 1.12 g/t Au from 116 metres
- Resource drilling at the Isle aux Morts deposit during the Quarter included the following:
 - CRD160 20 metres @ 5.08 g/t Au from 8 metres (incl. 1.67 metres @ 35 g/t Au)
 - CRD166 6 metres @ 4.12 g/t Au (within 11 metres @ 2.51 g/t Au) from 7 metres
 - CRD156 12 metres @ 1.02 g/t Au from 45 metres (incl. 2.47 metres @ 3.84 g/t Au), and 1.47 metres @ 1.7 g/t Au from 72 metres, and 1 metre @ 1.96 g/t Au from 79 metres
- Window Glass Hill extensional drilling during the Quarter included:
 - CRD150 15 metres @ 1.01 g/t Au from 34 metres, and 6.7 metres @ 1.51 g/t Au (within 13 metres @ 0.87 g/t Au) from 116m, and 0.34 metres @ 12.31 g/t Au from 151.4 metres
 - CRD130 1.53 metres at 13.99 g/t Au from 40.2 metres and 2 metres at 4.81 g/t Au from 46 metres
 - CRD131-3.6 metres at 3.48 g/t Au from 9.4 metres
 - CRD132 5 metres at 1.41 g/t Au from 93 metres and 0.3 metres at 45.87 g/t Au from 138.6 metres
- Exploration work at the Cape Ray Gold Project concluded late during the Quarter for the 2020 exploration season. A total of 83 holes for 10,561m meters drilled were completed during the current season.
 - Results for 31 holes (4,325 metres) from this year's drilling will be reported during the March 2021
 Quarter
- Strong cash position of \$8.1 million (unaudited) as at 31 December 2020

Matador Mining Limited (ASX: MZZ) ("Matador" or the "Company"), which is exploring and developing the Cape Ray Gold Project (the "Project") in Newfoundland, Canada, a Project located across 120 kilometres of continuous strike in a proven, yet under-explored multi-million ounce gold structure, is pleased to provide its Quarterly Activities Report for the Quarter ended 31 December 2020. All dollar amounts are A\$ unless stated otherwise.

2020 Exploration Program Overview

The Cape Ray Gold Project 2020 exploration program successfully concluded with a total of 83 holes (including 5 geotech holes) for 10,561m meters drilled, including:

- 32 holes for 4,326m of greenfields exploration drilling (assays pending for 14 holes / 2,120 metres)
- 30 holes for 4,168m brownfields extensional drilling (assays pending for 4 holes / 856 metres)
- 16 holes for 1,358m resource infill drilling (assays pending for 8 holes / 640 metres drilling)

Both resource expansion and greenfields exploration drilling continued to deliver pleasing results, with shallow multi-gram-metre gold intersections. Approximately 75% of the 2020 drill program was focused on newly identified greenfield targets and resource expansion step-out drilling. Results to date reinforce the Company's firm view that the Project has potential to host significant gold systems, but remains poorly explored, which represents a compelling opportunity to grow the existing Mineral Resource base on the Cape Ray Project.



Figure 1: Drilling at Angus during the December quarter

Resource and Extensional Drilling – Isle Aux Morts and Window Glass Hill

At Isle Aux Morts, brownfield Mineral Resource infill and extension drilling to increase the Mineral Resource estimation confidence, and to test for possible extensions to, and higher-grade domains within, the existing Mineral Resource (60koz @ 2.4 g/t Au¹) was carried out. Significant intercepts² included:

- CRD160 20 metres @ 5.08 g/t Au from 8 metres (incl. 1.67 metres @ 35 g/t Au)
- CRD166 11 metres @ 2.51 g/t Au from 7 metres, (incl. 6 metres @ 4.12 g/t Au)
- CRD156 12 metres @ 1.02 g/t Au from 45 metres (incl. 2.47 metres @ 3.84 g/t Au), and 1.47 metres @ 1.7 g/t Au from 72 metres, and 1 metre @ 1.96 g/t Au from 79 metres

At Window Glass Hill, brownfield Mineral Resource infill and extension drilling immediately south-west of the Window Glass Hill Mineral Resource (232koz @1.55 g/t Au¹) continued to intersect additional stacked quartz-galena-gold veins with the same structural control exhibited within the existing Mineral Resource. Significant intercepts² included:

- CRD150 15 metres @ 1.01 g/t Au from 34 metres, and 6.7 metres @ 1.51 g/t Au (within 13 metres @ 0.87 g/t Au) from 116m, and 0.34 metres @ 12.31 g/t Au from 151.4 metres
- CRD 152 7 metres @ 0.98 g/t Au (incl. 1.64 metres @ 2.15 g/t Au) from 90 metres
- CRD 153 4 metres @ 0.98 g/t Au (incl. 1.28 metres @ 4.8 g/t Au) from 71 metres

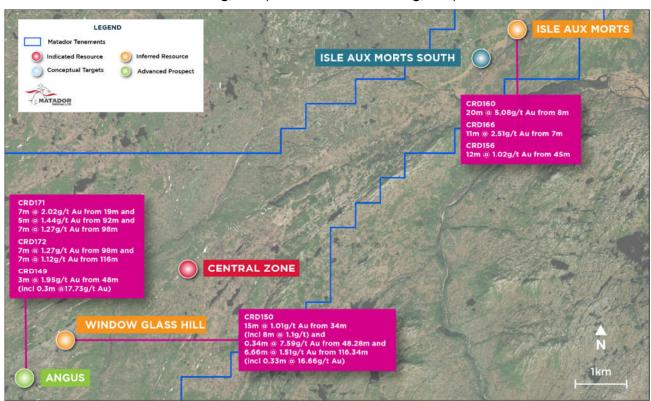


Figure 2: Plan view of deposit locations and summary of significant intercepts at Isle Aux Morts, Window Glass Hill and Angus

¹ ASX announcement 6 May 2020.

² ASX announcements 11 November 2020 and 16 December 2020.

Greenfields Exploration – Angus Discovery

As part of the 2020 greenfields exploration program, Matador completed a detailed review of existing IP geophysics, structural mapping and rock chip geochemistry data. The Company also implemented a 40 metre line spaced ground magnetics acquisition program over the south-western half of the Window Glass Hill Granite.

This work resulted in the targeting and discovery of the Angus Prospect, located approximately one kilometre south-west of the Window Glass Hill Deposit, which is the first new gold discovery at the Cape Ray Project in more than 20 years. Significant intersected include³:

- CRD 126 20 metres @ 2.38 g/t Au from 82m incl. 9 metres @ 4.99 g/t Au; and
- CRD171 7 metres @ 2.02 g/t Au (within 30 metres @ 0.74 g/t Au) from 19 metres and 3 metres
 @ 0.67 g/t Au from 67 metres and 1 metre @ 2.66 g/t Au from 92 metres
- CRD172 7 metres @ 1.27 g/t Au (within 11 metres @ 0.9 g/t Au) from 98 metres and 7 metres
 @ 1.12 g/t Au from 116 metres and 21 metres @ 0.34 g/t Au from 71 metres
- CRD149 3 metres @ 1.95 g/t Au from 48 metres (incl. 0.3 metres @ 17.73 g/t Au)
- CRD 128 35 metres at 0.52 g/t Au from 34 metres and 10 metres at 0.67 g/t Au from 15 metres

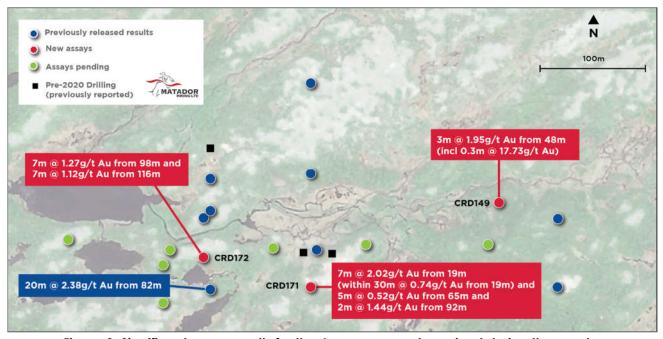


Figure 3: Significant assay results for the Angus prospect received during the quarter

Step out drilling to the east and to the south of the Angus discovery hole intersected multiple mineralised zones with alteration and veining characteristics similar to those observed in the Angus discovery drilling. These results confirmed a gold mineralisation footprint at Angus of at least 400 metres (E-W) x 300 metres (N-S) and remains open and untested to the east, south and west (ASX announcement 20 November 2020).

Angus is interpreted as a large, intensely altered, granite-hosted brittle stockwork vein system. Gold grades in similar systems are generally related to stockwork vein intensity where broad zones of low-grade mineralisation can be punctuated by structurally controlled high-grade shoots associated with

³ ASX announcements 6 October 2020 and 11 November 2020.

greater deformation and veining intensity. Understanding the geometry and continuity of potential structurally controlled high-grade shoots within the larger Angus mineralisation envelope will be the key to unlocking the value of this new discovery.

Six additional holes were drilled at Angus during the past quarter with assay results pending. These results will be received by the Company during the March 2021 Quarter.

Greenfields Exploration - Regional

During the Quarter, the Company concluded its greenfields exploration targeting activities, which focused on data mining of historical exploration information, combined with new greenfield exploration. This included completing a 323 line-kilometres ground magnetic survey along with mapping, soil and rock chip sampling and person portable drilling over 20 square kilometres of the tenement package. This work was fundamental in the identification and drill testing of the Angus gold discovery.

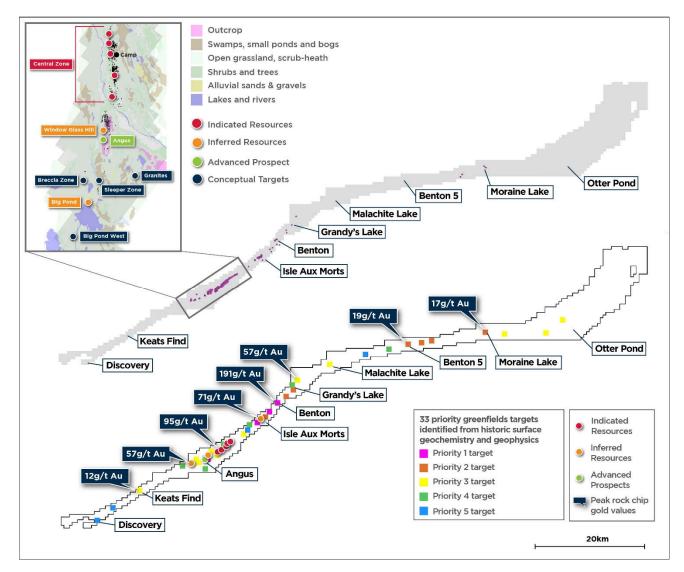


Figure 4: Location of the 33 prioritised greenfield exploration targets across the Cape Ray Gold Project

This resulted in the identification of 12 new top-priority exploration targets, which following additional groundwork, are expected to be drill tested in 2021. An additional 21 prioritised exploration targets are also in the project pipeline. Figure 6 shows the location of the prioritised greenfields exploration targets.

There has been little historical exploration at the Project outside of the area with the defined Mineral Resources. The Project has features similar to other prolific greenstone belts hosting multi-million-ounce gold deposits, however there has been minimal drill testing with only 20 holes across 105 kilometres of strike, which the Company believes represents a significant opportunity for discoveries and resource growth.

Corporate

Cash

As at 31 December 2020, the Company had a cash balance of approximately \$8.1 million.

Joint Company Secretary

Mrs Carol Marinkovich was appointed as Joint Company Secretary of Matador with effect from 1 December 2020. Mrs Marinkovich has worked in the resources industry for over 25 years and has extensive experience in company secretary and corporate governance practices both within Australia and internationally, having been involved with a number of ASX listed companies. Following Mrs Marinkovich's appointment, both Mr Stuart McKenzie and Mrs Marinkovich act as Joint Company Secretaries.

Annual General Meeting

During the Quarter, the Company held its annual general meeting at which all resolutions put to shareholders were approved.

Tenement Interests

There was no change to the Company's tenement interests during the Quarter. The table below shows the Company's tenement interests as at 31 December 2020.

LICENSE NO.	LOCATION	HOLDER
007833M	Isle aux Morts, Southern NL	Cape Ray Mining Limited
008273M	Burnt Island Pond, Southern NL	Cape Ray Mining Limited
009839M	Isle aux Morts, Southern NL	Cape Ray Mining Limited
009939M	Isle aux Morts, Southern NL	Cape Ray Mining Limited
017072M	Isle aux Morts, Southern NL	Cape Ray Mining Limited
024125M	Grandys Brook, Southern NL	Cape Ray Mining Limited
024328M	Grandys Lake, Southern NL	Cape Ray Mining Limited
024336M	Kangaroo Pond, Southern NL	Cape Ray Mining Limited
024345M	Kangaroo Pond, Southern NL	Cape Ray Mining Limited
024359M	Grand Bay River, Southern NL	Cape Ray Mining Limited
024838M	Grandys Lake, Southern NL	Cape Ray Mining Limited

LICENSE NO.	LOCATION	HOLDER
025560M	Isle aux Morts, Southern Nfld	Cape Ray Mining Limited
025854M	Grand Bay River, Southern NL	Cape Ray Mining Limited
025855M	Cape Ray Area, Southern NL	Cape Ray Mining Limited
025856M	Cape Ray, Southern NL	Cape Ray Mining Limited
025857M	Cape Ray, Southern NL	Cape Ray Mining Limited
025858M	Cape Ray, Southern NL	Cape Ray Mining Limited
026125M	Garia Brook, Southern NL	Cape Ray Mining Limited
030881M	La Poile River, Southern NL	Cape Ray Mining Limited
030884M	La Poile River, Southern NL	Cape Ray Mining Limited
030889M	La Poile River, Southern NL	Cape Ray Mining Limited
030890M	La Poile River, Southern NL	Cape Ray Mining Limited
030893M	La Poile River, Southern NL	Cape Ray Mining Limited

Reference to previous ASX Announcements

In relation to the exploration results included in this announcement, the dates of which are referenced, the Company confirms that it is not aware of any new information or data that materially affects the information included in those announcements.

In relation to the Mineral Resource estimate announced on 6 May 2020, Matador confirms that it is not aware of any new information or data that materially affects the information included in that announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimate in the announcement of 6 May 2020 continue to apply and have not materially changed.

This Quarterly Activities Report has been authorised for release by the Company's board of directors.

About the Company

Matador Mining Limited is a gold exploration company with tenure covering over 120 kilometres of continuous strike along the highly prospective, yet largely under-explored Cape Ray Shear in Newfoundland, Canada. Within the package is a 14 kilometre zone of drilled strike which hosts a JORC mineral resource of 0.84Moz Au (12.9Mt at 2.02g/t Au) (see ASX announcement 6 May 2020). The exploration opportunity at Cape Ray is believed to be extensive, with only a small portion of the 120 kilometre strike drilled, and multiple high-grade gold occurrences observed along trend.

TABLE 1: CAPE RAY GOLD PROJECT, RESOURCE ESTIMATE SUMMARY - GOLD RESOURCE ONLY1

Applied Cut-	Deposit		Indicated			Inferred			Total	
off Grade (g/t)		Mt	Au (g/t)	Koz (Au)	Mt	Au (g/t)	Koz (Au)	Mt	Au (g/t)	Koz (Au)
	Central	3.06	3.06	302	3.5	1.25	141	6.6	2.01	443
O D24	Isle Aux Mort	-	-	-	0.8	2.39	60	0.8	2.39	60
Open Pit 0.25 ² /0.5 ³	Big Pond	-	-	-	.01	5.30	19	0.1	5.30	19
g/t Au	Window Glass Hill	-	-	-	4.7	1.55	232	4.7	1.55	232
	Total	3.06	3.06	302	9.1	1.55	452	12.1	1.93	754
	Central	0.45	3.75	54	0.32	2.77	29	0.77	3.34	83
	Isle Aux Mort				-	-	-	-	-	-
Underground 2.0g/t Au	Big Pond				-	-	-	-	-	-
2.09/1 /10	Window Glass Hill				-	-	-	-	-	-
	Total	0.45	3.75	54	0.32	2.77	29	0.77	3.34	83
	Central	3.5	3.15	356	3.8	1.38	170	7.4	2.23	526
Total	Isle Aux Mort	-	-	-	0.8	2.39	60	0.8	2.39	60
Combined 0.5 / 2.0	Big Pond	-	-	-	0.1	5.30	19	0.1	5.30	19
g/t Au	Window Glass Hill	-	-	-	4.7	1.55	232	4.7	1.55	232
	Total	3.5	3.15	356	9.4	1.60	481	12.9	2.02	837

- 1. Figures are rounded
- 2. Window Glass Hill and PW Zone
- 3. Central Zone deposits 04/41, 51 and Isle aux Mort and Big Pond

To learn more about the Company, please visit www.matadormining.com.au, or contact:

lan Murray - Chairman +61 8 6117 0478

Adam Kiley – Corporate Development +61 8 6117 0478

Appendix 5B

Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

Matador Mining Limited	
ABN	Quarter ended ("current quarter")
45 612 912 393	31 December 2020

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (6 months) \$A'000
1.	Cash flows from operating activities		
1.1	Receipts from customers	-	-
1.2	Payments for		
	(a) exploration & evaluation (if expensed)	-	-
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	(187)	(362)
	(e) administration and corporate costs	(154)	(345)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	-	-
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	11	11
1.8	Other (Business development activities)	(49)	(60)
1.9	Net cash from / (used in) operating activities	(379)	(758)

2.	Ca	sh flows from investing activities		
2.1	Pay	yments to acquire:		
	(a)	entities	-	-
	(b)	tenements	-	-
	(c)	property, plant and equipment	(46)	(87)
	(d)	exploration & evaluation (if capitalised)	(4,195)	(6,265)
	(e)	investments	-	-
	(f)	other non-current assets	-	-

ASX Listing Rules Appendix 5B (01/12/19)

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (6 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)	-	-
2.6	Net cash from / (used in) investing activities	(4,241)	(6,352)

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	8,700
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	170	4,531
3.4	Transaction costs related to issues of equity securities or convertible debt securities	46	(439)
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
3.10	Net cash from / (used in) financing activities	216	12,792

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	12,475	2,364
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(378)	(758)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(4,241)	(6,352)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	215	12,793

ASX Listing Rules Appendix 5B (01/12/19) + See chapter 19 of the ASX Listing Rules for defined terms.

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (6 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	13	37
4.6	Cash and cash equivalents at end of period	8,084	8,084

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	6,371	10,260
5.2	Call deposits	1,713	2,215
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	8,084	12,475

6.	Payments to related parties of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	111
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-

Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments

Payments to Directors for Director fees (December quarter: \$110,992).

7.	Financing facilities Note: the term "facility" includes all forms of financing arrangements available to the entity. Add notes as necessary for an understanding of the sources of finance available to the entity.	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
7.1	Loan facilities	-	-
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	Total financing facilities	-	-
7.5	Unused financing facilities available at quarter end -		
7.6	Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.		

8.	Estimated cash available for future operating activities	\$A'000
8.1	Net cash from / (used in) operating activities (Item 1.9)	(379)
8.2	Capitalised exploration & evaluation (Item 2.1(d))	(4,195)
8.3	Total relevant outgoings (Item 8.1 + Item 8.2)	(4,574)
8.4	Cash and cash equivalents at quarter end (Item 4.6)	8,084
8.5	Unused finance facilities available at quarter end (Item 7.5)	-
8.6	Total available funding (Item 8.4 + Item 8.5)	8,084
8.7	Estimated quarters of funding available (Item 8.6 divided by Item 8.3)	1.8

- 8.8 If Item 8.7 is less than 2 quarters, please provide answers to the following questions:
 - 8.8.1. Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?

No. The Company completed an extensive drilling program during the quarter. For the year to date, the Company has drilled 83 holes for a total of 10,561 metres. The majority of this drilling expenditure was incurred during the current quarter. Analysis of results and planning for the new drilling season will occur in the next quarter which will result in much lower expenditure.

8.8.2. Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?

N/A – refer to 1 above.

8.8.3. Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

Yes. The drilling season is now complete; therefore, expenditure is expected to decrease substantially in the March quarter. Subject to finalising the 2021 field season budget, the Company expects its current cash reserves of \$8.1 million to last for at least the following two quarters.

Compliance statement

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

	15 January 2021
Date:	
	By the board.
Authorised by:	
,	(Name of body or officer authorising release – see note 4)

Notes

- 1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
- If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, AASB 6: Exploration for and Evaluation of Mineral Resources and AASB 107: Statement of Cash Flows apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
- 3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
- 4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
- 5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.