

# CONSOLIDATED TIN MINES LIMITED



**27<sup>th</sup> July 2010**

Manager Announcements  
Companies Announcements Office  
Australian Securities Exchange Limited  
10<sup>th</sup> Floor, 20 Bond Street  
SYDNEY, NSW 2000  
Via: [www.asxonline.com](http://www.asxonline.com)

**ASX Code - CSD  
- CSDO**

Dear Sir/Madam,

## **JUNE QUARTER ACTIVITIES AND CASHFLOW REPORT**

We attach the above announcement.

Yours faithfully



Ralph De Lacey  
Managing Director

### **ABOUT CONSOLIDATED TIN MINES LIMITED**

Consolidated Tin Mines Limited (CSD) is a junior exploration company with a current focus on Tin at Mt Garnet in the lower Herberton tin field in North Queensland.

Short to medium term goals are:

- Further expand resources at Gillian, Pinnacles and Windermere/Deadmans Gully Projects
- Develop a hard rock mining operation
- Develop an alluvial mining operation
- Explore other known mineralisation within current tenement holding to provide resource expansion

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### **CONSOLIDATED TIN MINES LIMITED**

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## JUNE QUARTER HIGHLIGHTS

- **SCOPING STUDY INTO MT GARNET TIN PROJECT CONFIRMED STRONG ECONOMIC POTENTIAL OF PROJECT**
- **COMPANY TO PROCEED TO PRE-FEASIBILITY STUDY AT MT GARNET PROJECT**
- **DISCUSSIONS WITH POTENTIAL CHINESE OFF-TAKE PARTNERS**
- **SIGNIFICANT METALLURGICAL RESULTS ANNOUNCED**
- **ENVIRONMENTAL MONITORING ONGOING**
- **CORPORATE**
- **UPCOMING ACTIVITIES**

## SCOPING STUDY CONFIRMS COMMERCIAL POTENTIAL

Consolidated Tin Mines (ASX: CSD) recently released the results of the Company's preliminary Scoping Study (refer ASX release 6 July 2010). The Study was conducted in conjunction with SEMF Pty Ltd, (SEMF). SEMF is a multi-discipline engineering, scientific and management consulting group with strong expertise in the mining sector.

SEMF examined the likely capital and operating costs based on the preliminary metallurgical design and other project information for the Mt Garnet Project. Based on the preliminary process flowsheet, a likely baseline throughput was estimated at 700,000 tonne per annum. This baseline throughput was used for the purpose of equipment sizing and developing capital cost and operating cost estimates.

**The scoping study for the Mt Garnet Tin Project demonstrates the economic potential of the project. Over the initial 7.5-year mine life, the project is anticipated to deliver gross value of \$500 million, at a conservative tin price of AUD\$18,000 per tonne. This leaves a strong surplus of \$245 million over initial 7.5-year mine life.**

SEMF estimated capital costs in the order of \$124 million inclusive of a 10% contingency. The estimate is considered to have an accuracy in the order of -20%/ + 30%. Operating cost estimates were reviewed by SEMF and a range of between \$40-\$50 per tonne of ore processed was considered an appropriate broad estimate for the purposes of the Scoping Study.

SEMF reviewed and accepted the following project parameters:

- Throughput of 700,000 tonnes per annum;
- Average feed grade 0.64% tin at a recovery of 68% producing 3,049 tonnes per annum of tin metal in concentrate;
- Production of 236,600 tonnes per annum of magnetite concentrate grading greater than 65% iron at a sales value of \$50 per tonne;
- Operating cost estimates used \$49 per tonne of ore processed being within the SEMF estimated operating cost range of \$40 - \$50 per tonne;

- o Resources used are based on all current JORC classifications measured indicated and inferred resources at the project. Project life on throughput of 700,000tpa is estimated to be 7.5 years based on current Mt Garnet Project resources.

Based on these parameters, indicative project net cash flows before tax for a range of tin ore prices have been developed.

**Table 1: Indicative project pre tax net cash flows across a range of tin ore prices**

Tin (Sn) Price AUD\$/t	Iron (Fe) Price	Total Revenue AUD\$	Net Cashflow AUD\$
16,000	50	454,605,000	199,140,000
18,000	50	500,340,000	244,875,000
20,000	50	546,075,000	290,610,000
22,000	50	591,810,000	336,345,000

Notes to the table:

- Net cashflows are pre-tax and do not include capital costs for constructing a treatment plant and mine site infrastructure. Freight and smelting costs are not included;
- Results of the preliminary scoping study provide preliminary pre-tax cash flow estimates that are subject to completion of resource drill out and more comprehensive studies that include detailed mine designs, metallurgical test work, plant design, site construction and detailed capital and operating cost analysis;
- Average \$AUD LME cash buyer price for tin for the 6 months to June 2010 was \$A 20,224;
- A portion of the Company's magnetite concentrate will go to coal washing sales, and a conservative average price of AUD\$50/tonne has been estimated;
- Revenue and net cash flow in the above table are based on annual tin and magnetite production of 3,049 and 236,600 tonnes respectively. This represents a change from the annual production estimates included in the announcement made on 22 June 2010, which were 3,175 tonnes of tin and 326,000 tonnes of magnetite. The amendments to the estimated production tonnes have been made after further work carried out on the flow sheet design;
- Future modelling will optimise annual throughput/Capex.

The directors will continue to assess the capital costs of the plant, and endeavour to deliver the required infrastructure in a cost effective manner. Given the high capital cost associated with some process equipment, other methods or equipment may warrant further consideration as part of the ongoing metallurgical testwork and design.

## **CONSOLIDATED TIN MINES TO PROCEED TO PRE-FEASIBILITY STUDY**

As a result of the robust results from the in-house preliminary scoping-level study on the Mt Garnet tin project, the Company announced that it would move forward with a pre-feasibility study. The highlights of this preliminary scoping study included significantly improved metallurgical recoveries, and financial modelling that demonstrated significant long term revenues and operating margins from the Project, at current tin prices.

The Pre-feasibility study is planned to be funded by a 1:1 Entitlement issue at 4 cents per share to raise up to \$2.16 million (if fully subscribed). The study will be commissioned to commence next quarter. Prospectus and Entitlement and Acceptance form were dispatched to shareholder 11 June.

Closing date for the offer is 3 August 2010.

## **DISCUSSIONS WITH POTENTIAL CHINESE OFFTAKE PARTNERS**

In June the Company conducted meetings with a number of potential investors in Shanghai and Hong Kong. Discussions were held with a number of investment groups and representatives of tin smelters regarding future off-take arrangements and joint venture investment partnerships for the developing of the Mt Garnet Project.

The Company's managing director Ralph De Lacey also attended a Trade Mission in Shanghai, China at the invitation of the Queensland Government. Consolidated Tin was one of four Resource companies presenting at this Trade forum.

The Company is continuing efforts to find and secure the right strategic partner to further develop the Mt Garnet Project and establish a central mill to process feed from the deposits within the project area.

## **SIGNIFICANT METALLURGICAL RESULTS**

During the quarter, the Company also announced details of very positive results from its metallurgical testwork programs at the Mt Garnet Project.

This comprehensive metallurgical testwork, headed by Consolidated Tin's senior metallurgist Robert Shelley, supports the recovery of saleable tin concentrates and iron oxide concentrates. To date, the projected tin recovery is 68%, with tin recovered into a gravity concentrate, a flotation concentrate and a tin fume concentrate. High-grade magnetite (iron) concentrates of >65% were also projected.

The Company's recovery circuit flowsheet was finalised during the quarter. This was based on mine throughput of 700,000 tonne per annum of tin ore producing 22,868 tonne of tin metal in concentrate. The flowsheet also incorporates 1,774,500 tonne of magnetite concentrate grading greater than 65%.

The recoveries, metal prices and cost of capital items (in the flowsheet) provided the input for the Company's Scoping Study released during the quarter.

## **ENVIRONMENTAL MONITORING**

Baseline environmental monitoring within the Battle Creek and Gillian projects at the Mt Garnet project area continued during the quarter. North Queensland based environmental consultants, Landline Consultants Pty Ltd continued to develop appropriate environmental management plans for the projects.

Baseline environment studies are a requirement for the permitting of Level 1 mining activities within Queensland.

## CORPORATE

### Withdrawal from acquisition of NQM Tin assets

Consolidated Tin Mines Limited advised on 6 May 2010 that, following completion of due diligence and in light of the current market conditions, the Board had decided not to proceed with the proposed acquisition of the tin assets of North Queensland Metals (ASX: NQM).

The Board of Directors will continue to review opportunities to expand the Company's tin assets as they present themselves.

### Capital Raising

On 28 May 2010 the Company announced a non-renounceable pro-rata Entitlement Issue. Pursuant to the Entitlement Issue, the Company will issue up to 54,524,001 new fully paid ordinary shares at 4 cents per share to raise up to \$2,180,960 (before costs). The New shares will be offered on the basis of 1 new share for every 1 share held in the capital of the Company at the Record Date (Entitlement).

The proceeds of the Offer, are planned to be used in accordance with the table set out below:

**Table 2: Proceeds of the Offer**

Proceeds of the Offer	\$
Pre-feasibility study and associated costs	
Resource Drilling	400,000
Metallurgy Studies	400,000
Environment Studies	300,000
Mine Planning	350,000
Total	1,450,000
Working Capital	697,960
Expenses of the Offer	33,000
<b>Total</b>	<b>\$2,180,960</b>

### 1.1. Security Holders

Total number of shares on issue at the end of the June quarter was 54,524,001 (with all quoted). Total options on issue were 44,075,000.

The company's top 5 shareholders are listed in the Table on the following page.

**Table 3: Consolidated Tin Mines Limited top 5 shareholders**

Shareholder	% of issued capital
Ralph De Lacey ATF	18.80
John Sainsbury Consulting Pty Ltd	14.40
ANZ Nom Ltd	7.82
Robert + Marina Roget	4.22
Smiling Sun Pty Ltd	2.75

## 1.2. Cash Reserves

The Company has approximately \$ 0.271million in cash reserves at the end of the June quarter.

The company in conjunction with the entitlement issue is reviewing its near term capital raising options and has commenced discussions with a number of parties with a view to entering into a capital raising mandate agreement.

## UPCOMING ACTIVITES

- Drilling program at Windermere Tin Project - when permit granted
- Continuing Metallurgy development
- Mt Garnet hard rock project Pre-feasibility Study
- Continue to progress development of environmental management plans

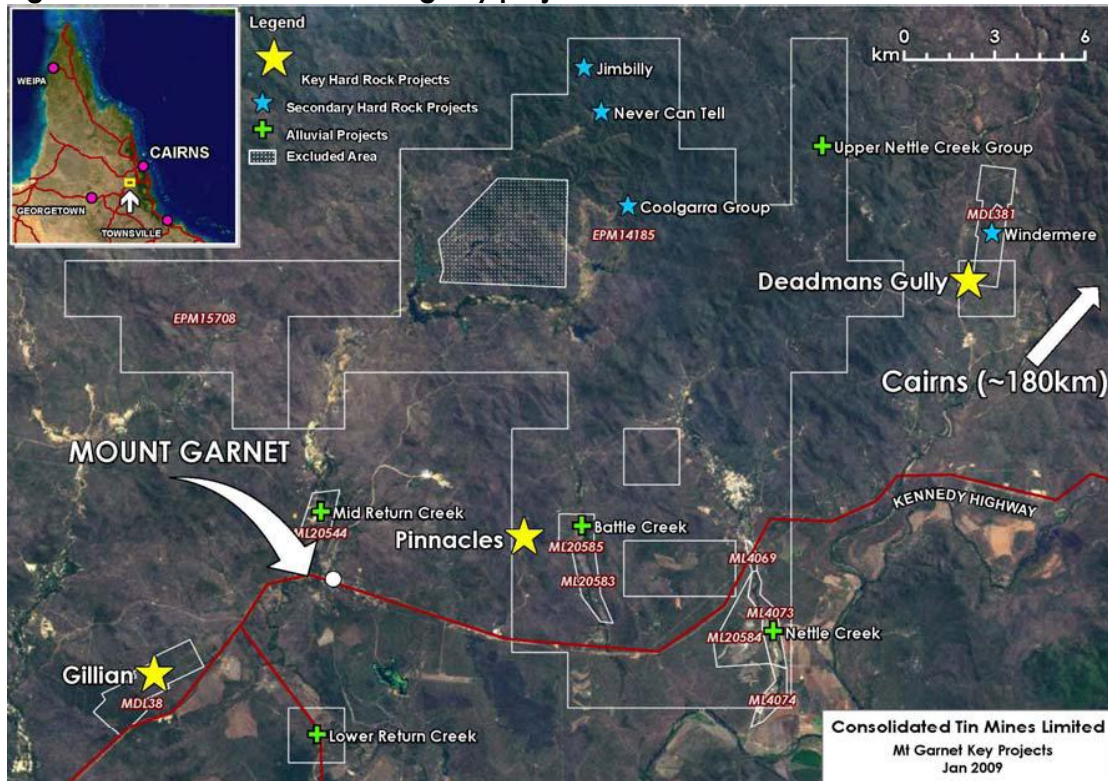
### For further information please contact;

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The information contained in this report that relates to assay results of rock samples and drill chips, to mineral resource estimates and to ore reserve estimates of mineralisation has been compiled by John Sainsbury (BSc, AusIMM). John Sainsbury is a geologist of 30 years experience and has sufficient experience in the type of mineralisation under consideration to be a Competent Person as defined by the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves - JORC Code, 2004 Edition. John Sainsbury is an executive director of Consolidated Tin Mines Limited. John Sainsbury has consented to the inclusion of this information in the form and context in which it appears.

**Figure 1: Mt Garnet area showing key project locations**



**Table 4: Current JORC Resource at Mt Garnet Tin Project**

TIN (Sn)	Measured tonnes	Grade %	Indicated tonnes	Grade %	Inferred tonnes	Grade %	Total tonnes	Grade %
Gillian	1,203,000	0.82	824,100	0.73	974,100	0.83	3,001,200	0.80
Pinnacles - Wafer	-	-	218,200	0.49	1,133,100	0.39	1,351,300	0.41
Pinnacles - Sniska	-	-	-	-	306,900	0.32	306,900	0.32
Pinnacles - Hartog	-	-	-	-	212,700	0.51	212,700	0.51
Deadmans Gully	-	-	401,500	0.49	-	-	401,500	0.49
<b>TOTAL</b>	<b>1,203,000</b>	<b>0.82</b>	<b>1,443,800</b>	<b>0.63</b>	<b>2,626,800</b>	<b>0.56</b>	<b>5,273,600</b>	<b>0.64</b>
IRON (Fe)	Measured tonnes	Grade %	Indicated tonnes	Grade %	Inferred tonnes	Grade %	Total tonnes	Grade %
Gillian	1,203,000	31.43	824,100	30.03	974,100	30.99	3,001,200	30.90
Pinnacles - Wafer	-	-	218,200	20.21	1,133,100	27.88	1,351,300	16.87
Pinnacles - Sniska	-	-	-	-	306,900	22.90	306,900	22.90
Pinnacles - Hartog	-	-	-	-	212,700	13.75	212,700	13.75
Deadmans Gully	-	-	401,500	34.89	-	-	401,500	34.89
<b>TOTAL</b>	<b>1,203,000</b>	<b>31.43</b>	<b>1,443,800</b>	<b>29.90</b>	<b>2,626,800</b>	<b>27.31</b>	<b>5,273,600</b>	<b>26.45</b>
FLUORINE (F)	Measured tonnes	Grade %	Indicated tonnes	Grade %	Inferred tonnes	Grade %	Total tonnes	Grade %
Pinnacles - Wafer	-	-	-	-	348,300	18.54	348,300	18.54
Pinnacles - Sniska	-	-	-	-	306,900	12.00	306,900	12.00
Pinnacles - Hartog	-	-	-	-	212,700	15.50	212,700	15.50
Pinnacles - Llahsram	-	-	-	-	91,700	13.00	91,700	13.00
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>959,600</b>	<b>15.25</b>	<b>959,600</b>	<b>15.25</b>

# Appendix 5B

## Mining exploration entity quarterly report

Introduced 1/7/96. Origin: Appendix 8. Amended 1/7/97, 1/7/98, 30/9/2001.

Name of entity

CONSOLIDATED TIN MINES LIMITED

ABN

57 126 634 606

Quarter ended ("current quarter")

30 June 2010

### Consolidated statement of cash flows

	Current quarter \$A'000	Year to date (12 mths) \$A'000
<b>Cash flows related to operating activities</b>		
1.1 Receipts from product sales and related debtors	-	-
1.2 Payments for (a) exploration and evaluation	(178)	(1,297)
(b) development	-	-
(c) production	-	-
(d) administration	(218)	(664)
1.3 Dividends received	-	-
1.4 Interest and other items of a similar nature received	10	51
1.5 Interest and other costs of finance paid	-	-
1.6 Income taxes paid	-	-
1.7 Research and development tax concession	-	151
<b>Net Operating Cash Flows</b>	<b>(386)</b>	<b>(1,759)</b>
<b>Cash flows related to investing activities</b>		
1.8 Payment for purchases: (a) prospects	-	-
(b) equity investments	-	-
(c) other fixed assets	(9)	(40)
(d) bonds & deposits	(10)	(10)
1.9 Proceeds from sale of: (a)prospects	-	-
(b)equity investments	-	-
(c)other fixed assets	-	-
(d)bonds & deposits	5	5
1.10 Loans to other entities	-	-
1.11 Loans repaid by other entities	-	-
1.12 Other (provide details if material)	-	-
<b>Net investing cash flows</b>	<b>(14)</b>	<b>(45)</b>
1.13 Total operating and investing cash flows (carried forward)	<b>(400)</b>	<b>(1,804)</b>

+ See chapter 19 for defined terms.

**Appendix 5B**  
**Mining exploration entity quarterly report**

1.13	Total operating and investing cash flows (brought forward)	(400)	(1,804)
	<b>Cash flows related to financing activities</b>		
1.14	Proceeds from issues of shares, options, etc.	75	917
1.15	Proceeds from sale of forfeited shares	-	-
1.16	Proceeds from borrowings	-	-
1.17	Repayment of borrowings	-	-
1.18	Dividends paid	-	-
1.19	Other (Share Issue Costs)	(25)	(81)
	<b>Net financing cash flows</b>	50	836
	<b>Net increase (decrease) in cash held</b>	(350)	(968)
1.20	Cash at beginning of quarter/year to date	621	1,239
1.21	Exchange rate adjustments to item 1.20	-	-
1.22	<b>Cash at end of quarter</b>	271	271

**Payments to directors of the entity and associates of the directors**  
**Payments to related entities of the entity and associates of the related entities**

		Curent quarter \$A'000
1.23	Aggregate amount of payments to the parties included in item 1.2	66
1.24	Aggregate amount of loans to the parties included in item 1.10	-

1.25 Explanation necessary for an understanding of the transactions

Remuneration of Directors

**Non-cash financing and investing activities**

2.1 Details of financing and investing transactions which have had a material effect on consolidated assets and liabilities but did not involve cash flows

-

2.2 Details of outlays made by other entities to establish or increase their share in projects in which the reporting entity has an interest

-

+ See chapter 19 for defined terms.

### Financing facilities available

*Add notes as necessary for an understanding of the position.*

	Amount available \$A'000	Amount used \$A'000
3.1 Loan facilities	-	-
3.2 Credit standby arrangements	-	-

### Estimated cash outflows for next quarter

	\$A'000
4.1 Exploration and evaluation	25
4.2 Development	-
4.3 Production	-
4.4 Administration	150
<b>Total</b>	<b>175</b>

As at the date of lodgement of this cash flow report the Company had open an entitlement offer to shareholders to raise up to \$2.18 million. The closing date of this offer is 3 August 2010.

### Reconciliation of cash

Reconciliation of cash at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts is as follows.	Curent quarter \$A'000	Previous quarter \$A'000
5.1 Cash on hand and at bank	271	171
5.2 Deposits at call	-	450
5.3 Bank overdraft	-	-
5.4 Other (provide details)	-	-
<b>Total: cash at end of quarter (item 1.22)</b>	<b>271</b>	<b>621</b>

### Changes in interests in mining tenements

	Tenement reference	Nature of interest (note (2))	Interest at beginning of quarter	Interest at end of quarter
6.1 Interests in mining tenements relinquished, reduced or lapsed	Nil			
6.2 Interests in mining tenements acquired or increased	EPM17551	Exploration	Application	Granted
	EPM17550	Exploration	Application	Granted
	EPM17548	Exploration	Application	Granted
	EPM17547	Exploration	Application	Granted

+ See chapter 19 for defined terms.

**Appendix 5B**  
**Mining exploration entity quarterly report**

**Issued and quoted securities at end of current quarter**

*Description includes rate of interest and any redemption or conversion rights together with prices and dates.*

	Total number	Number quoted	Issue price per security (see note 3) (cents)	Amount paid up per security (see note 3) (cents)
7.1 <b>Preference securities</b> <i>(description)</i>	-	-	-	-
7.2 Changes during quarter (a) Increases through issues (b) Decreases through returns of capital, buy-backs, redemptions	-	-	-	-
7.3 <b>+Ordinary securities</b>	54,524,001	54,524,001	-	-
7.4 Changes during quarter (a) Increases through issues – released from escrow (b) Decreases through returns of capital, buy-backs	-	-	-	-
7.5 <b>+Convertible debt securities</b> <i>(description)</i>	-	-	-	-
7.6 Changes during quarter (a) Increases through issues (b) Decreases through securities matured, converted	-	-	-	-
7.7 <b>Options</b> <i>(description and conversion factor)</i>	43,475,000 600,000	43,475,000 -	<i>Exercise price</i> 20 cents 12 cents	<i>Expiry date</i> 31/12/2013 31/03/2011
7.8 Issued during quarter – released from escrow	-	-	-	-
7.9 Exercised during quarter	-	-	-	-
7.10 Expired during quarter	-	-	-	-
7.11 <b>Debentures</b> <i>(totals only)</i>	-	-	-	-
7.12 <b>Unsecured notes</b> <i>(totals only)</i>	-	-	-	-

+ See chapter 19 for defined terms.

## Compliance statement

- 1 This statement has been prepared under accounting policies which comply with accounting standards as defined in the Corporations Act or other standards acceptable to ASX (see note 4).
- 2 This statement does give a true and fair view of the matters disclosed.

Sign here:   
(Company secretary)

Date: 27<sup>th</sup> July 2010

Print name: Kevin Hart

## Notes

- 1 The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity wanting to disclose additional information is encouraged to do so, in a note or notes attached to this report.
- 2 The "Nature of interest" (items 6.1 and 6.2) includes options in respect of interests in mining tenements acquired, exercised or lapsed during the reporting period. If the entity is involved in a joint venture agreement and there are conditions precedent which will change its percentage interest in a mining tenement, it should disclose the change of percentage interest and conditions precedent in the list required for items 6.1 and 6.2.
- 3 **Issued and quoted securities.** The issue price and amount paid up is not required in items 7.1 and 7.3 for fully paid securities.
- 4 The definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Cash Flow Statements* apply to this report.
- 5 **Accounting Standards** ASX will accept, for example, the use of International Accounting Standards for foreign entities. If the standards used do not address a topic, the Australian standard on that topic (if any) must be complied with.

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+ See chapter 19 for defined terms.