

# CONSOLIDATED TIN MINES LIMITED



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Manager Announcements  
Companies Announcements Office  
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ASX Code - CSD  
- CSDO

Dear Sir/Madam,

## FOURTH 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 current focus on Tin at Mt Garnet in the lower Herberton tin field in North Queensland.

Short to medium term goals are:

- Further define resources at Gillian and Deadmans Gully while expanding and defining resources at Pinnacles
- Develop a hard rock mining operation
- Develop an alluvial mining operation
- Explore other known mineralisation within current tenement holding to provide resource expansion

## JUNE QUARTER HIGHLIGHTS

- Positive response from potential Chinese offtake partners.
- Metallurgy results indicates higher than expected Tin (Sn) grade concentrate may be achieved - translates to lower capital & operating cost and larger market for end product.
- Additional Mt Garnet satellite projects surface mapping and sampling commenced.
- Environmental monitoring continuing at Upper Battle Creek and Gillian Projects.
- Upper Battle Creek preliminary scoping study continuing.

## POSITIVE RESPONSE FROM POTENTIAL CHINESE OFFTAKE PARTNERS

The Company has completed its first round of meetings with potential Chinese off-take partners for the Company's Mt Garnet Tin Project, near Cairns in northern Queensland.

A recent week program of meetings and presentations in China with a number of major tin smelting groups and other end-user groups on future off-take arrangements and investment partnerships for the development of the Mt Garnet Project has resulted in a strong level of interest and very positive response to the Company's plans for the development of Mt Garnet into a large scale, long term tin mining operation

The Company now plans to undertake a second round of meetings in the near future to further progress discussion on investment partnerships and off-take agreements for the development of the project and sale of tin concentrate.

From its recent meetings, the Company has been encouraged that the demand for tin in China is strong, and that the outlook remains positive.

## COMPANY EXPLORATION ACTIVITIES REPORT

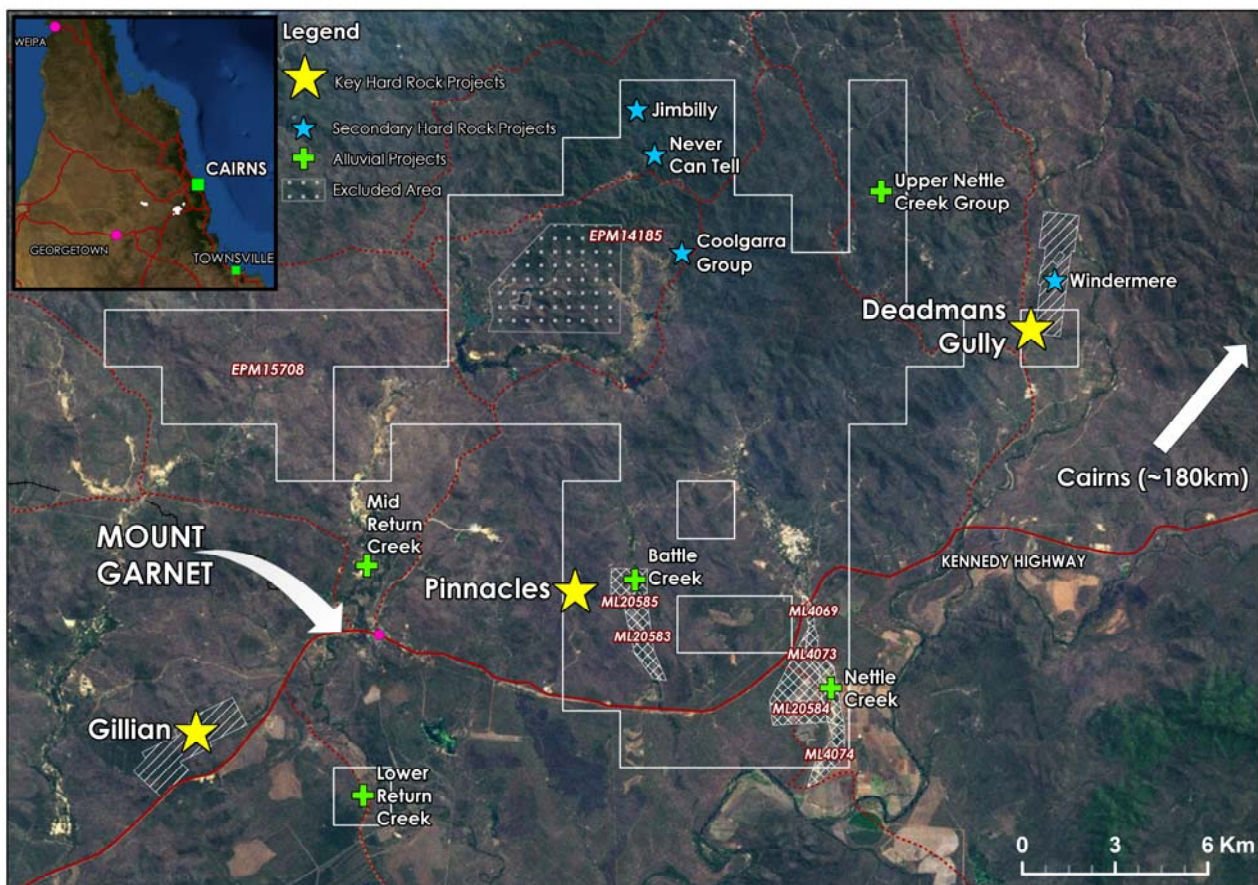
On 20 April 2009 the Company announced a resource upgrade to the market. The resource upgrade was In addition to the tin resource upgrade, the Company also confirmed maiden Iron and Fluorine JORC Resources at the Mt Garnet project area. The project and resource category breakdown is provided in the tables below:

**Current JORC Resource (Hard Rock)**

TIN (Sn)	Measured	Grade	Indicated	Grade	Inferred	Grade	Total	Grade
Gillian	724,700	0.81	846,100	0.84	1,458,800	0.75	<b>3,029,600</b>	<b>0.79</b>
Pinnacles - Wafer	-	-	218,200	0.49	1,133,100	0.39	<b>1,351,300</b>	<b>0.41</b>
Pinnacles - Sniska	-	-	-	-	306,900	0.32	<b>306,900</b>	<b>0.32</b>
Pinnacles - Hartog	-	-	-	-	212,700	0.51	<b>212,700</b>	<b>0.51</b>
Deadmans Gully	-	-	401,500	0.49	-	-	<b>401,500</b>	<b>0.49</b>
<b>TOTAL</b>	<b>724,700</b>	<b>0.8139</b>	<b>1,465,800</b>	<b>0.69</b>	<b>3,111,500</b>	<b>0.56</b>	<b>5,302,000</b>	<b>0.61</b>

IRON (Fe)	Measured	Grade	Indicated	Grade	Inferred	Grade	Total	Grade
Gillian	724,700	31.84	846,100	35.03	1,458,800	27.88	<b>3,029,600</b>	<b>30.82</b>
Pinnacles - Wafer	-	-	218,200	20.21	1,133,100	27.88	<b>1,351,300</b>	<b>16.87</b>
Pinnacles - Sniska	-	-	-	-	306,900	22.90	<b>306,900</b>	<b>22.90</b>
Pinnacles - Hartog	-	-	-	-	212,700	13.75	<b>212,700</b>	<b>13.75</b>
Deadmans Gully	-	-	401,500	34.89	-	-	<b>401,500</b>	<b>34.89</b>
<b>TOTAL</b>	<b>724,700</b>	<b>31.8412</b>	<b>1,465,800</b>	<b>32.78</b>	<b>3,111,500</b>	<b>26.42</b>	<b>5,302,000</b>	<b>26.43</b>

FLUORINE (F)	Measured	Grade	Indicated	Grade	Inferred	Grade	Total	Grade
Pinnacles - Wafer	-	-	-	-	348,300	18.54	<b>348,300</b>	<b>18.54</b>
Pinnacles - Sniska	-	-	-	-	306,900	12.00	<b>306,900</b>	<b>12.00</b>
Pinnacles - Hartog	-	-	-	-	212,700	15.50	<b>212,700</b>	<b>15.50</b>
Pinnacles - Llahsram	-	-	-	-	91,700	13.00	<b>91,700</b>	<b>13.00</b>
<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>



Mt Garnet area showing current Key Projects

## METALLURGY

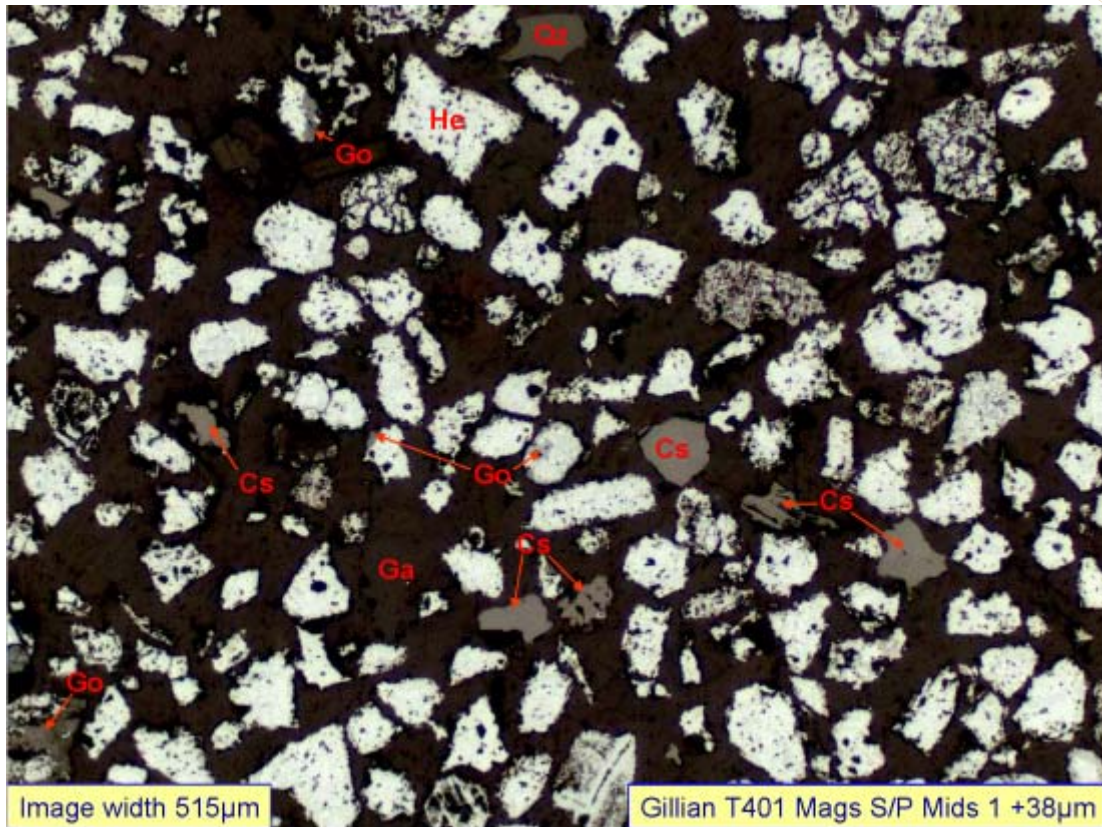
The company continued metallurgical investigation of the tin and iron mineralisation through the quarter.

A 20 kg sample from a high tin grade sample was sent to Downer EDI. The sample was finely ground and magnetic separation undertaken. The number of subsamples prepared from the Downer program was sent to Burnie Research Laboratories for tin recovery test programs. Consultant metallurgist Nick Moony supervised the work.

### Summary of results

1. Head grade of the sample was 1.3% Sn and 38% Fe.
2. At least 30% of the tin was recovered into a concentrate assaying 45% Sn. This suggests that a cleaner tin product can be recovered by conventional tin recovery methods (tables/centrifuge concentrators).
3. Another 30% of the tin should be recovered into a concentrate assaying 17% to 22% Sn using flotation and fine size recovery centrifuge concentrators.
4. Tin was lost into the low magnetic strength magnetic iron product and this loss was believed to be due to fine cassiterite still not liberated from the iron minerals, as well as the tin itself being slightly magnetic. About 20 % of the head grade tin was lost into this paramagnetic product but it is believed that regrinding will allow liberation for flotation/fine centrifuge concentrator to recovery up to half of this tin.
5. A high grade iron concentrate of better than 60% grade for a recovery of 22% of the iron can be achieved. This concentrate will have low assays of silica, phosphorus, sulphur and aluminium.

A microscopic examination of 13 products from the testwork was undertaken by consultant group McArthur Ore Deposit Assessments Pty Ltd. Liberation and mineral associations were quantified. The grind size of 53 micron, chosen for the above testwork, did achieve substantial liberation of cassiterite grains from the haematite and silicate minerals. It is this achievement of liberation that has allowed the super panner and flotation testwork to show the first success in producing the tin concentrate grades mentioned above.



Because of the fine size of the tin, and the close association with iron, it was believed by the Company when it started, in 2008, the metallurgy investigation of the skarn occurrences, that the very likely outcome of this testwork was that a good recovery, but low grade, tin concentrate (of order of 15% Sn) would be the outcome. This concentrate would then be delivered to a tin fumer to produce a very high grade tin product for sale. While that outcome is still likely the case, this first testwork has suggested a reasonable amount of the tin can also be collected into higher grade concentrate via more conventional milling equipment, offering a lower capital and operating cost per concentrate tonne, and offering a greater market for this concentrate.

## PROJECT SURFACE MAPPING AND SAMPLING

The Company held tenements are within the historic Mt Garnet tin mining area. Whilst the focus remains on the development of the Key project areas of Gillian, Pinnacles and Windermere there are numerous other satellite project areas and mapping and rock chip sampling programs are continuing as time permits. For example Coolgarra, central to EPM 14185, has historic production of approximately 2000 tonnes of tin concentrate, with the Alhambra mine producing some 500 tonne of concentrate.

Lines of historic mine workings have been sampled in the Coolgarra area with results of up to 1.34% Sn, 4.3% Cu and 108ppm Ag being achieved.

## ENVIRONMENTAL MONITORING

The baseline monitoring continued through the period. Flora and fauna studies and surface and groundwater monitoring have continued. The Company proposed activities are within areas of historic mining activity with flora and drainage systems sometimes reasonably disturbed from pre mining landforms. The Company was not responsible for that historic mining but it is within that physical environment that the Company projects are located. The Company maintains close consultation with the Queensland Government environmental compliance officers and has sought the involvement of experienced environmental consultants. Long term studies of the background environment are a requirement for the permitting of mining activities by the Queensland government. The Company is undertaking those activities and at the same time as the technical studies of resource definition, metallurgy investigations and mine planning to seek to have the mine permitting as short as possible.

## PRELIMINARY SCOPING STUDY FOR MT GARNET ALLUVIAL TIN PROJECTS

The Company is undertaking a scoping study on the company's inferred and indicated alluvial tin resources at Mt Garnet. Current indications has the production focus commencing at the Upper Battle Creek Project and then shifting production focus to the Nettle Creek Project. Battle Creek has an indicated JORC Resource of 683,000m<sup>3</sup> @ 838g Sn per m<sup>3</sup>, and Nettle Creek has an inferred JORC Resource of 5 million m<sup>3</sup> @ 500g Sn per m<sup>3</sup>.

The concept at Upper Battle Creek is the mining of a decomposed granite host to the tin mineralisation and recovery through conventional alluvial treatment circuits. Results from the scoping work will be released to the market on completion of the study

## UPCOMING ACTIVITIES

- Environmental Baseline studies continue
- Further Resource definition drilling on Gillian
- Metallurgy and tin recovery test work continues
- Mapping and rock chip sampling of additional known tin mineralisation within company held Mt Garnet tenements to continue.
- Mining study on Battle Creek Alluvial Project to continue.
- Mining lease application at Gillian to be lodged.

## CORPORATE

### 1.1. Security Holders

Total number of shares on issue was 46,098,001 (with 24,028,001 quoted). Total options on issue were 35,849,000 (with 16,014,000 quoted).

The company's top 5 shareholders are listed in Table below

#### Consolidated Tin Mines Limited top 5 shareholders

Shareholder	% of issued capital
Ralph De Lacey ATF The Ralph De Lacey Superannuation Fund	19.42
John Sainsbury Consulting Pty Ltd	15.51
ANZ Nom Ltd	9.79
Robert + Marina Roget	4.99
T E + F L Pugh	4.34

### 1.2. Cash Reserves

The Company has approximately \$1,239,000 in cash reserves at the end of the June quarter.

### 1.3. Director Resignation and Appointment of Executive Chairman

On 26 June 2009 the company announced that Non Executive Director and Chairman, Mr Peter O'Connor would step down from the Board of Consolidated Tin Mines Limited with immediate effect, due to time constraints from his increasing business interests which have caused him to prioritize his available time going forward.

The Board has appointed the Managing Director Mr Ralph De Lacey as Executive Chairman in the interim.

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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.