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TASMANIA DEPARTMENT OF MINES

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SUPPLEMENTARY REPORT ON THE TIN OCCURRENCE AT BROWN
PLAINS, ROCKY RIVER DISTRICT, TASMANIA - EL4/61

A. INTRODUCTION

In my report on the tin occurrence at Brown Plains (dated 31st May 1980), it was stated that the main area of interest, as outlined by a 100-metre auger sampling programme, was in the vicinity of Eight Mile Creek and covered an area of some 14 hectares. It was decided to examine this area in greater detail by way of a 50 metre / 25 metre grid auger sampling programme.

B. 50 METRE / 25 METRE GRID (Location and Analyses - Map 1)

(i) General

The grid was laid out using the 100 metre grid location 1200N/0 as the datum point. Auger samples were generally taken at 50 metre intervals along the grid, but in areas of particular interest or where the lateral extent of the gravels was restricted (e.g. along the creek beds), samples were taken at 25 metre intervals. One hundred and forty (140) gravel samples were collected and forwarded to the Tasmanian Department of Mines laboratories in Launceston for tin (Sn) analyses. Analytical results were plotted on part map of Long Plains Mineral Chart 1:15840.

(ii) Gravels

The gravels of the shallower basins (e.g. south-east of grid lines 50S and 200E, and north-west of grid lines 0S and 550W) were generally fine grained and greater than 45 centimetres in thickness. The gravels of the gullies and creek beds were generally coarser, not as thick, and sporadic in their occurrence. The gravels on the slopes to the north-east of Eight Mile Creek were generally fine grained (e.g. 200N/350E).

(iii) Results

The results of this programme were most discouraging. It is obvious that tin concentration is very erratic throughout the area sampled. The samples with Sn values greater than 0.3% (300g/tonne) are generally confined to isolated pockets of water washed gravels in the bed and banks of Eight Mile Creek and its tributaries. Minor concentrations occur in one, the drainage basins as represented

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by samples 250S/450E (.03% Sn) and 50N/650W (.07% Sn), and two, the hillside slope as represented by samples 200N/350E (.05% Sn) and 200N/400E (.03% Sn). These last two samples were taken in the vicinity of 100 metre grid sample 1200N/400E (0.13% Sn) but it is obvious that the tin concentration is only confined to a very small area.

C. CONCLUSIONS

There is no doubt that tin has been concentrated in isolated pockets in drainage basins and along Eight Mile Creek and its tributaries, but the overall distribution of tin is far too sporadic and erratic to warrant a systematic and profitable mining operation.

M. D. Edyvean

11 July 1980

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DEPARTMENT OF MINES—TASMANIA

LAUNCESTON OFFICES
287 WELLINGTON STREET
SOUTH LAUNCESTON 7250

TELEPHONES:

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Laboratory } 44 2431-2
Mines Inspection } (2 lines)
Explosives & Inflammable Liquids }

3rd June 1980

Industrial & Mining Investigation P/L,
Suite 3709,
Australia Square,
Sydney 2000
N.S.W.

c.c. to Mr. Edyvean
13 Blaydon St,
Kings Meadows.

Reg. Nos. 801221-1290

Dear Sir,

Please find below results of samples submitted to
this laboratory on the 16th May'80 and stated to be from Browns
Plains. E.L. 4/61.

<u>Reg. Nos</u>	<u>Description</u>	<u>% Sn.</u>
801221	XOS - 0 Traverse.	< 0.01
222	XOS - 50E	< 0.01
223	XOS - 100E	< 0.01
224	XOS - 150E	< 0.01
225	XOS - 200E	0.11 X
226	XOS - 250E	< 0.01
227	XOS - 300E	< 0.01
228	XOS - 350E	< 0.01
229	XOS - 400E	< 0.01
230	XOS - 450E	< 0.01
231	XOS - 500E	< 0.01
232	XOS - 550E	< 0.01
233	X50S - 0E	< 0.01
234	X50S - 50E	< 0.01
235	X50S - 100E	< 0.01
236	X50S - 150E	< 0.01
237	X50S - 200E	< 0.01
238	X50S - 250E	< 0.01
239	X50S - 300E	< 0.01
240	X50S - 350E	0.04
241	X50S - 400E	< 0.01
242	X50S - 450E	< 0.01
243	X50S - 500E	< 0.01
244	X50S - 550E	< 0.01

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<u>Reg. Nos</u>	<u>Description</u>	<u>% Sn</u>
801245	X100S - 0E	< 0.01
246	X100S - 50E	< 0.01
247	X100S - 100E	< 0.01
248	X100S - 150E	< 0.01
249	X100S - 200E	< 0.01
250	X100S - 250E	< 0.01
251	X100S - 300E	< 0.01
252	X100S - 350E	< 0.01
253	X100S - 400E	< 0.01
254	X100S - 450E	< 0.01
255	X100S - 500E	< 0.01
256	X100S - 550E	< 0.01
257	X150S - 0E	< 0.01
258	X150S - 50E	< 0.01
259	X150S - 100E	< 0.01
260	X150S - 150E	< 0.01
261	X150S - 200E	< 0.01
262	X150S - 250E	< 0.01
263	X150S - 300E	< 0.01
264	X150S - 350E	< 0.01
265	X150S - 400E	< 0.01
266	X150S - 450E	< 0.01
267	X150S - 500E	< 0.01
268	X150S - 550E	< 0.01
269	X200S - 0E	< 0.01
270	X200S - 50E	< 0.01
271	X200S - 100E	< 0.01
272	X200S - 150E	< 0.01
273	X200S - 200E	< 0.01
274	X200S - 250E	< 0.01
275	X200S - 300E	< 0.01
276	X200S - 350E	< 0.01
277	X200S - 400E	< 0.01

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<u>Reg. Nos</u>	<u>Description</u>	<u>% Sn.</u>
801278	X200S - 450E	< 0.01
279	X200S - 500E	< 0.01
280	X250S - 0E	< 0.01
281	X250S - 50E	< 0.01
282	X250S - 100E	< 0.01
283	X250S - 150E	< 0.01
284	X250S - 200E	< 0.01
285	X250S - 250E	< 0.01
286	X250S - 300E	< 0.01
287	X250S - 350E	< 0.01
288	X250S - 400E	0.02
289	X250S - 450E	0.03
290	X250S - 500E	0.04

Yours faithfully,

(H. K. Wellington)
Chief Chemist & Metallurgist.

Analyses by.....

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DEPARTMENT OF MINES—TASMANIA

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287 WELLINGTON STREET
SOUTH LAUNCESTON 7250

TELEPHONES:
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Mines Inspection }
Explosives & Inflammable Liquids }

23rd June 1980

Industrial & Mining Investigations P/L,
Suite 3709,
Australia Square,
Sydney 2000
N.S.W.

25 JUN 1980
c.c. Mr. M Edyvean,
13 Blaydon Street,
LAUNCESTON 7250

Reg. Nos 801316-385

Dear Sir,

Please find below results of samples submitted to this laboratory on the 27th May '80 and stated to be from Browns Plains. E. L. 4/61.

<u>Reg. Nos.</u>	<u>Description.</u>	<u>% Sn.</u>
801316	X25N - 350W	0.11
317	X25N - 0	0.02
318	X25N - 50E	<0.01
319	X25N - 100E	<0.01
320	X25N - 150E	0.13
321	X25N - 200E	0.01
322	X50N - 650W	0.03
323	X50N - 0	0.01
324	X50N - 50E	0.02
325	X50N - 100E	0.04
326	X50N - 150E	0.01
327	X50N - 200E	0.01
328	X50N - 250E	0.07
329	X50N - 300E	<0.01
330	X50N - 350E	<0.01
331	X50N - 400E	0.01
332	X50N - 450E	<0.01
333	X75N - 650W	0.07
334	X75N - 675W	0.02
335	X75N - 50E	0.03
336	X75N - 150E	<0.01
337	X75N - 200E	<0.01
338	X100N - 650W	0.02
339	X100N - 200E	<0.01
340	X100N - 250E	<0.01

<u>Reg. No.</u>	<u>Description</u>	<u>% Sn.</u>
801341	X100N - 300E	0.02
342	X100N - 350E	<0.01
343	X100N - 400E	0.01
344	X100N - 450E	0.02
345	X125N - 200E	<0.01
346	X150N - 200E	<0.01
347	X150N - 250E	<0.01
348	X150N - 300E	<0.01
349	X150N - 350E	0.01
350	X150N - 400E	<0.01
351	X150N - 450E	<0.01
352	X200N - 350E	0.05
353	X200N - 400E	0.03
354	X200N - 450E	<0.01
355	X0 - 50W	0.03
356	X0 - 350W	0.03
357	X0 - 650W	<0.01
358	X25S - 250W	<0.01
359	X25S - 300W	0.01
360	X25S - 350W	<0.01
361	X25S - 450W	0.01
362	X25S - 600W	0.03
363	X50S - 150W	<0.01
364	X50S - 200W	0.02
365	X50S - 250W	0.02
366	X50S - 300W	<0.01
367	X50S - 350W	<0.01
368	X50S - 400W	0.04
369	X50S - 450W	0.11
370	X50S - 550W	<0.01
371	X75S - 200W	<0.01
372	X75S - 300W	<0.01
373	X75S - 350W	<0.01
374	X100S - 50W	<0.01
375	X100S - 100W	0.01
376	X100S - 150W	<0.01
377	X100S - 200W	0.01
378	X100S - 250W	<0.01

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<u>Reg. No.</u>	<u>Description</u>	<u>% Sn.</u>
801379	X100S - 300W	<0.01
380	X125S - 100W	<0.01
381	X125S - 200W	<0.01
382	X150S - 50W	<0.01
383	X150S - 200W	<0.01
384	X175S - 100W	<0.01
385	X175S - 150W	0.02

Yours faithfully,

(H. K. Wellington)
Chief Chemist & Metallurgist.

Analyses by *M. F. J.*

