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**Appendix J**

*Old Workings Survey Report*

**ZZ Exploration Pty Ltd.**

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ZZ Exploration Pty Ltd

# **Old Workings Survey Report**

August to September, 2007

**Introduction:**

The Old Workings Survey aimed to locate past workings within the current leases and more accurately GPS the location, record any more information and sample if appropriate. The samples can be used to confirm any mineralization or any further geochemical aspects about the mine.

*The survey plan can be seen in Appendix A.*

The lease areas are divided into three basic groups according to the lease title; EL18/2003, EL20/2002 and EL30/2002. Each of these can be seen in Figure 1.

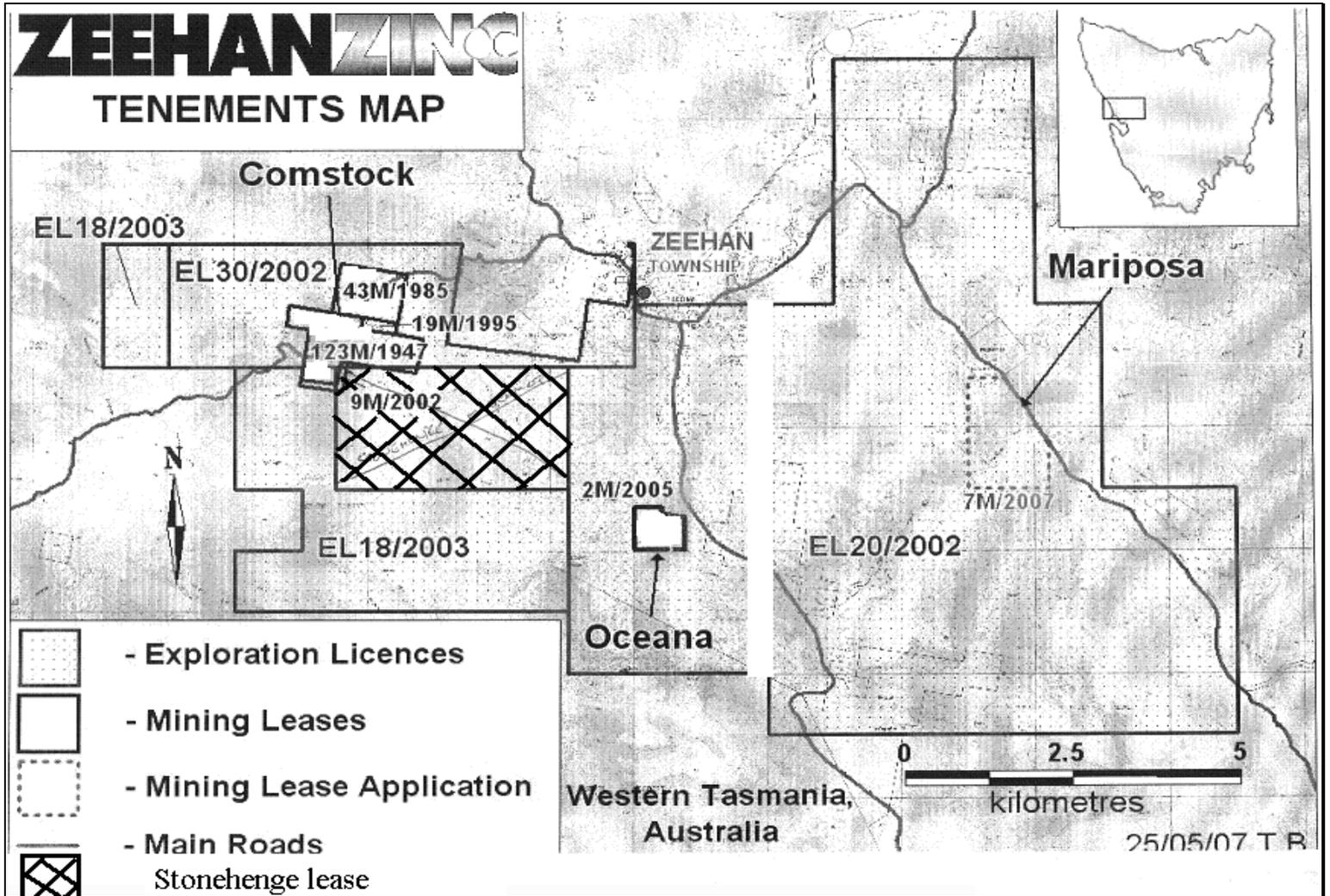


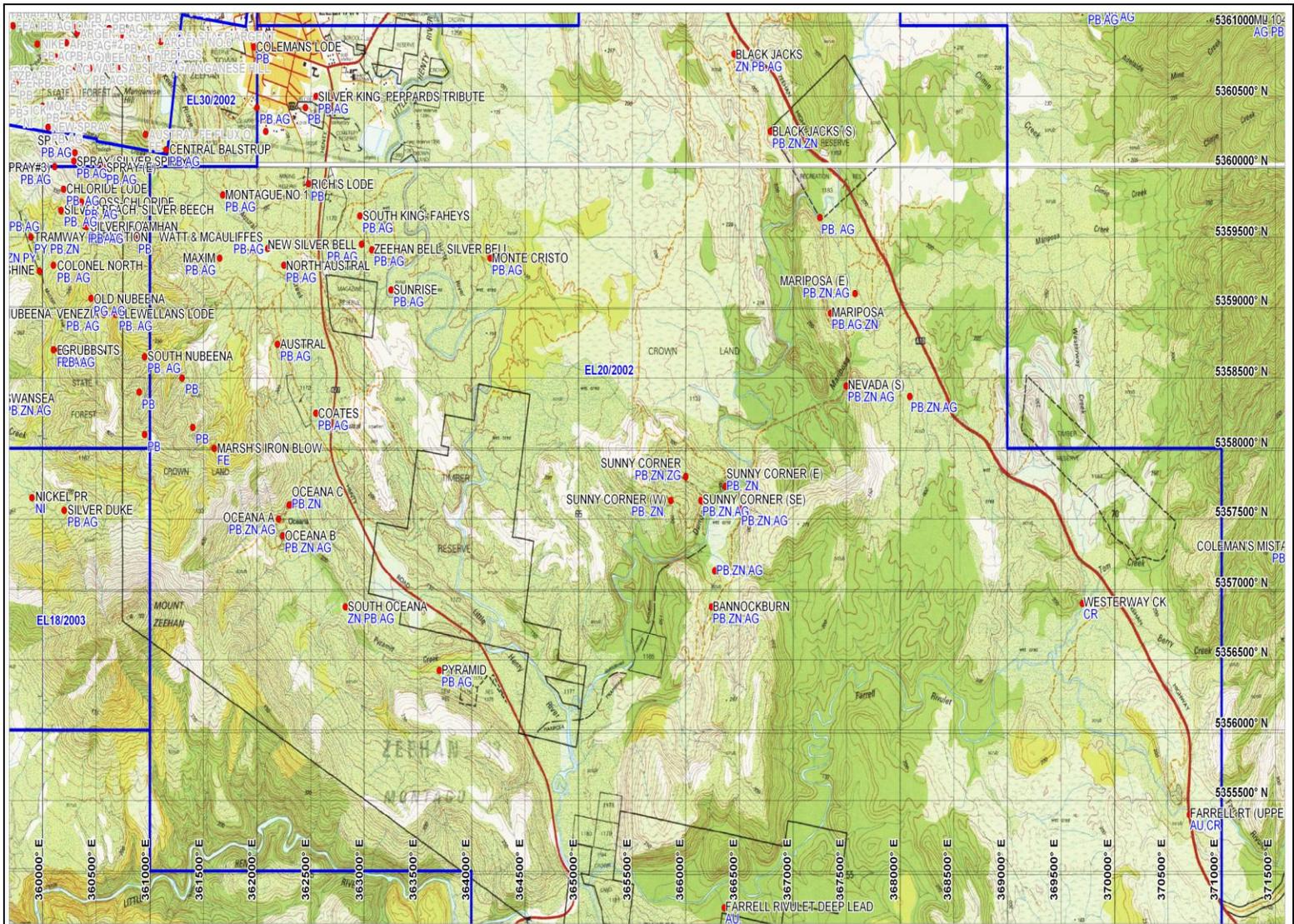
Fig. 1: The license areas around the town of Zeehan.

**Total mines found**  
58

**Total mines sampled**  
54

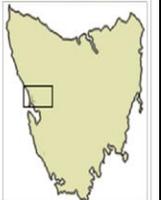
**Total mines not found (reason)**  
9 (covered)

## Areas of interest: EL 20/2002 MID



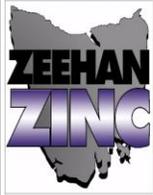
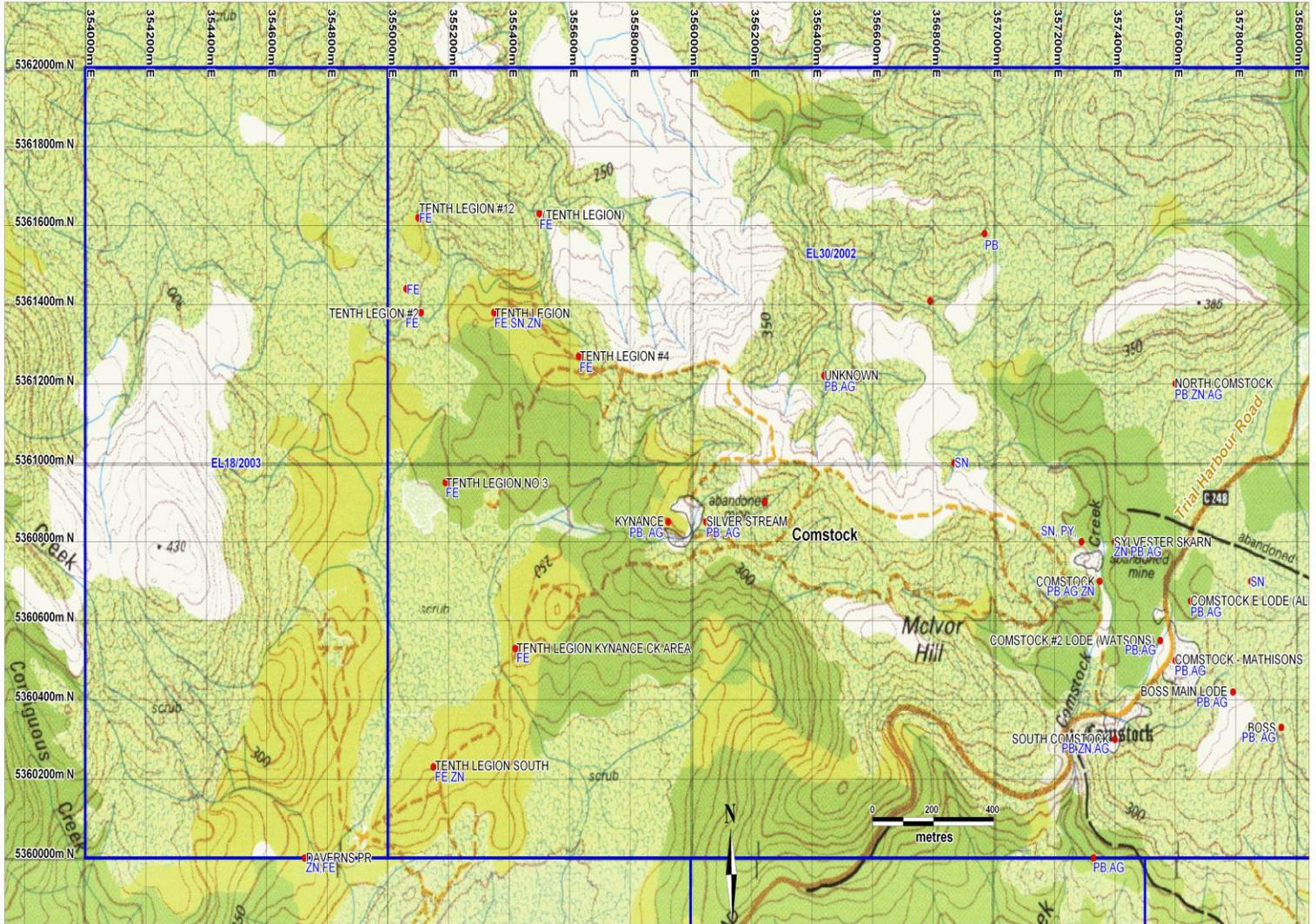
### EL20/2002 (Mid) - Old Desposits Exploration Map

AGD66 Zone 55 - T.Bendall - 03/07/2007



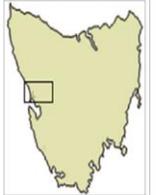
Areas of interest within the EL 20/2002 lease were concentrated at Mariposa, Oceana and the Austral areas. Investigation around Mariposa where future drilling is planned has revealed a number of costeans running into the hillside. The main drive of the Mariposa Mine is estimated to run at ~130 degrees (parallel to the road). This is only an estimate with the entrance destroyed by a very recent costean exposing ironstone (possible gossans), on a contact with the weathered clays. A total of 29 sites were found within the EL20/2002 lease.

# EL 18/2003 & EL 30/2002 (West)



## EL18/2003 & EL30/2002 (West) - Old Desposits Exploration Map

AGD66 Zone 55 - T.Bendall - 02/07/2007



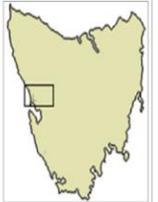
Areas of interest within EL 18/2003 & EL 30/2002 (West) include the Tenth Legion South where the next geophysical project will be undertaken. Within this area there is a lot of evidence of Ironstone and older nickel occurrences. Many large older workings were also found with the need for further study. Only 2 sites were located within EL18/2003.

## EL 30/2002 (East)



### EL30/2002 (East) - Old Deposits Exploration Map

AGD66 Zone 55 - T.Bendall - 03/07/2007



Areas of interest within EL 30/2002 (East) included the Spray and Britannia areas. This lease was left to last as the workings were more accessible so not much exploring was done on this lease. When the project is once again going most of the old workings will be studied. A total of 28 sites were located within EL30/2002.

### Incidents:

No associated incidents occurred during the project time.

### Results:

Good records as well as basic area diagrams have increased the information on most sections of the leases. Geological information is limited as there was no geologist present on many of the field survey trips. This has resulted in a limited

geological description and minor records of basic geological information (direction of the drive, visible bedding, rock types, etc). The areas recorded were seen to be the most difficult to access and were visited first leaving the more easily accessible areas, which were to be sampled and mapped later on. Due to the postponing of the project there are limited results for some areas in Mariposa and sections of Comstock.

Field gear was an issue and most of the materials that were recommended were improvised or borrowed.

Research from MRT and local sources would have saved time in the long term with minimal planning for some areas an issue. More research has been done by visiting the Zeehan museum and speaking to locals with previous experience.

We were provided with a table of workings to find, and proposed GPS co-ordinates of these workings, which can be seen in *Appendix B*.

**For the workings that were found from the Appendix B tables the Corrected GPS co-ordinates are as follows.**

NAME OF WORKINGS	PROPOSED CO-ORDINATES		CORRECTED CO-ORDINATES	
	AMGE	AMGN	AMGE	AMGN
PIONEER	EXTRA WORKING FOUND		369629	5356840
WESTERWAY CREEK	369700	5356900	369712	5356905
GOYEN	356790	5361410	356793	5361386
DELTA	EXTRA WORKING FOUND		356578	5360967
ZANE	356870	5361000	356815	5360894
KYNANCE	355925	5360850	355932	5360822
ALPHA	EXTRA WORKING FOUND		355873	5360801
SILVER STREAM	356050	5360850	356050	5360850
JARDAV	356245	5360900	356289	5360889
FARRELL RIVULET UPPER	370700	5355400	370715	5355425
TENTH LEGION KYNANCE CK AREA	355420	5360530	355388	5360568
CAPPA	356440	5361220	356471	5361337
SKINNY	EXTRA WORKING FOUND		356505	5361343
WHISKY	EXTRA WORKING FOUND		366921	5364354
LESLIE PROSPECT	366800	5363600	366874	5363809
ZULU	EXTRA WORKING FOUND		366618	5363264
KYM	366500	5363500	366657	5363229
SILVER DUKE	EXTRA WORKING FOUND		360240	5357550
BETA	EXTRA WORKING FOUND		356430	5361230
WORBY	356970	5361580	356891	5361488
TENTH LEGION #3	355190	5360950	355190	5360950
FOXTROT	EXTRA WORKING FOUND		355269	5361450
HASTINGS	EXTRA WORKING FOUND		366168	5356926
BANNOCKBURN	366240	5356875	366243	5356880
CROSS	366270	5357130	366253	5357169
BASIN	366510	5357570	366513	5357577
BLACK JACKS	366450	5360800	366450	5360800
HEARTBREAK RIDGE	EXTRA WORKING FOUND		366462	5360824
TENTH LEGION #4	355630	5361270	355623	5361301
ECHO	EXTRA WORKING FOUND		355276	5361029
DAVERNS	EXTRA WORKING FOUND		354725	5360000
ASTRA	EXTRA WORKING FOUND		355037	5361453
KRUPP	EXTRA WORKING FOUND		355016	5361500
SILVER KING; PEPPARDS TRIBUTE	362550	5360500	NOT AVAILABLE YET	

GITUS	362450	5360420	NOT AVAILABLE YET	
NORTH AUSTRAL	362250	5359300	362250	5359300
MARIPOSA	367350	5358960	367352	5359107
AUSTRAL	362190	5358740	362190	5358740
COATES	362550	5358250	362550	5358250
OCEANA C	362300	5357600	362300	5357600
OCEANA B	362240	5357380	362240	5357380
OCEANA A	362200	5357500	362214	5357512
PARKER	355060	5361440	355063	5361464
TENTH LEGION #2	355110	5361380	355073	5361438
TENTH LEGION	355630	5361380	355350	5361412
TENTH LEGION SOUTH	355150	5360230	COULD NOT FIND	
SPRAY (E)	360560	5360000	NOT AVAILABLE YET	

## Assay Results:

At each site that was visited, field teams collected a representative sample from the main dump pile. This sample was then dried and sent to SGS Laboratories in Western Australia for a full geochemical analysis. Full results are provided in *Appendix C* but some of the more promising assay results are shown here in Table 1.

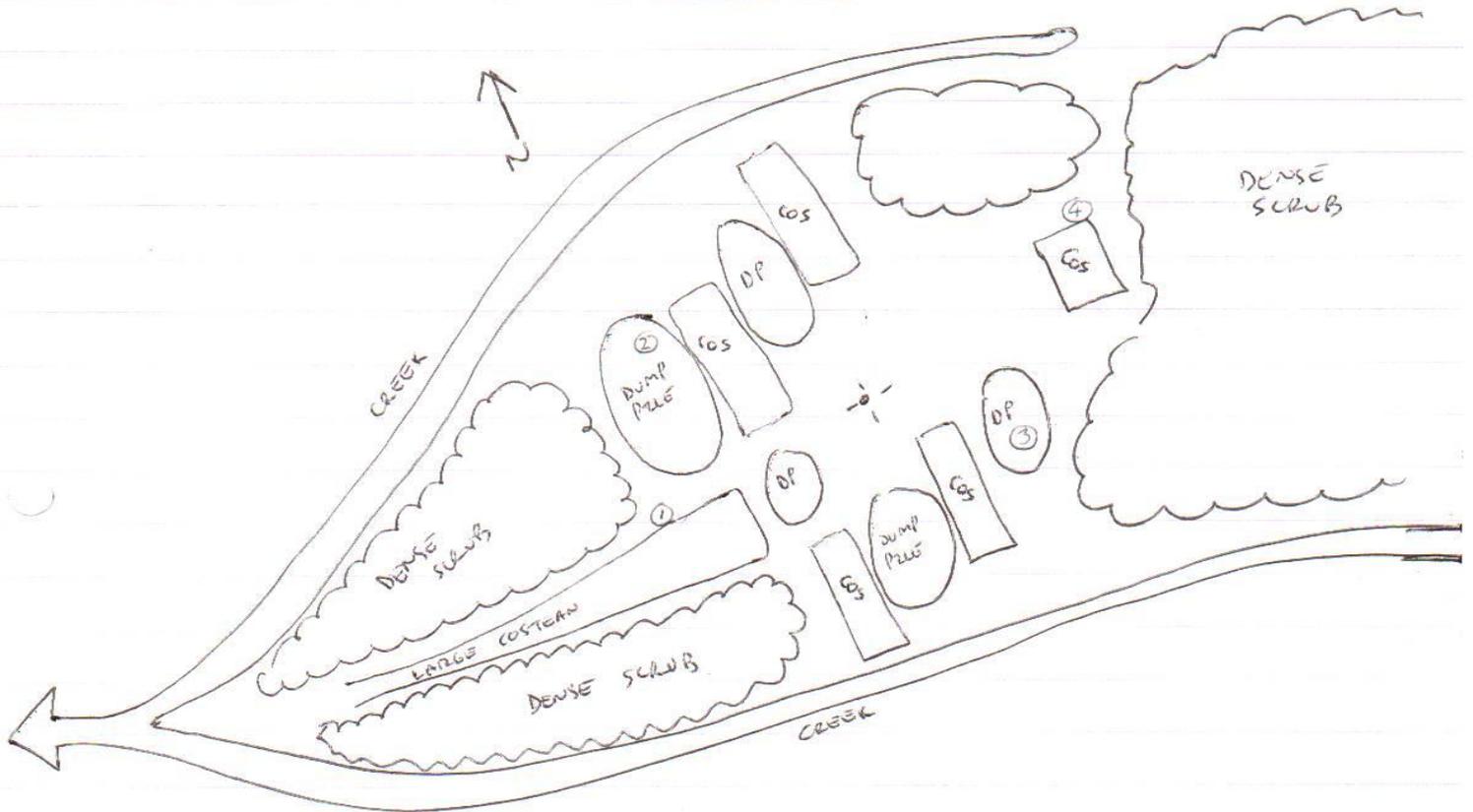
Table 1: Old Workings Survey assay results.

Mine	Pb (%)	Zn (%)	Ag (PPM)
Alpha 2	20.6	1.19	-
Beta 1	13.2	8.97	270
Cappa 1	11.5	10.1	260
Oceana A1	8.9	6.75	60
Silver King 1	9.32	6.09	520
Silver King 2	11.1	5.27	420
Spray E1	7.66	0.86	900
Zane	10.4	9.59	330

Detailed sketches and pictures from various workings found.

### Silver Steam

SILVER STREAM 356050 5360850 - 0 -



SILVER STREAM CONTAINED MANY COSTEANS, TRENCHES, HUGE STOCKPILES. LOTS OF PY WAS FOUND IN MOST DUMP PILES WITH LITTLE AMOUNTS OF Zn, Pb. VERY LITTLE EVIDENCE OF IRONSTONE. WATER COMING OUT OF GROUND SUGGESTS POSSIBLE SHAFTS IN IMMEDIATE AREA.



Dump piles at Silver Stream.



One of many costeans at Silver Stream.



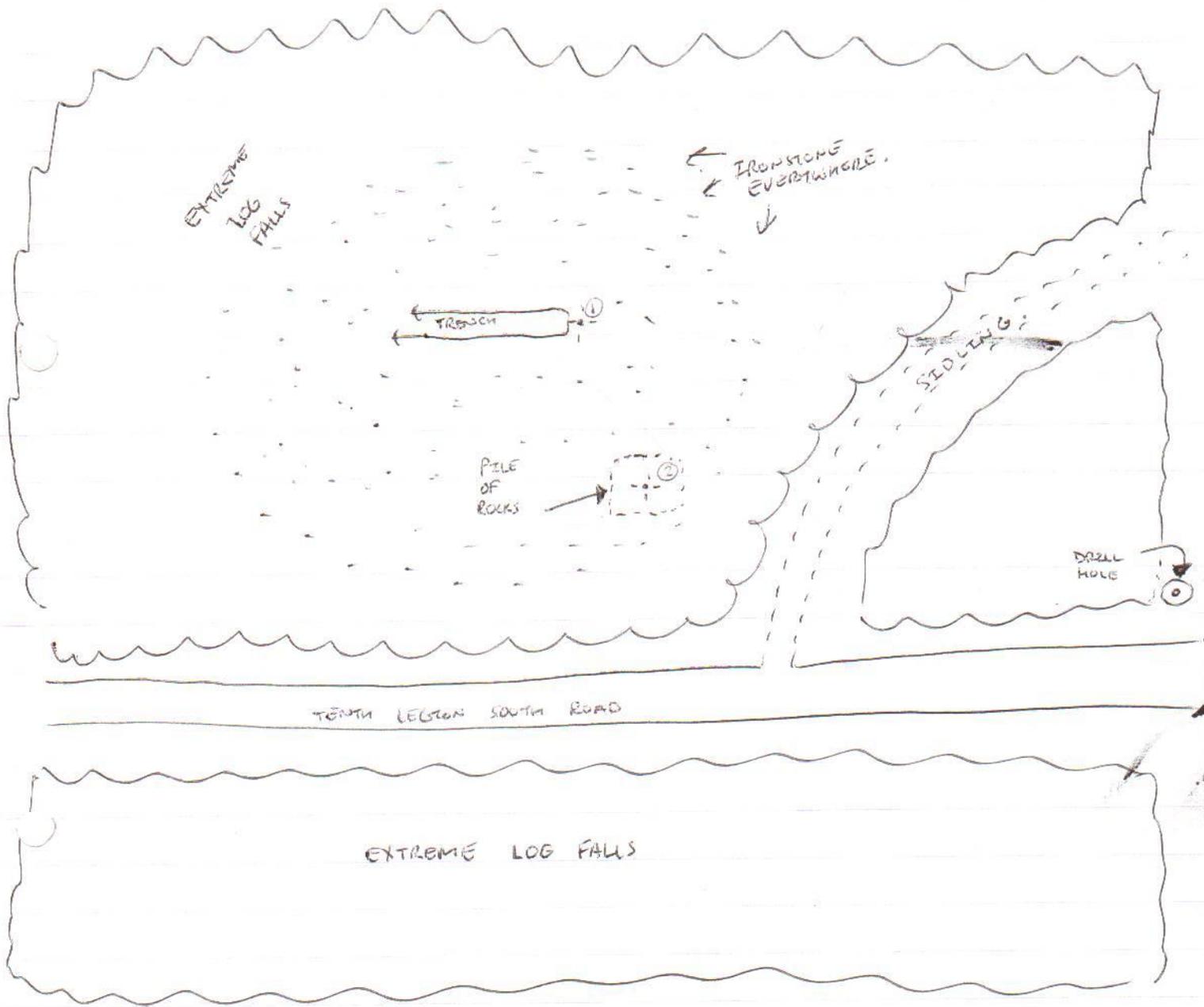
Another large costean at Silver Stream.



One of the dump piles at Silver Stream.

**Tenth Legion Kynance Creek Area**

TENTH LEGION   KYNANCE   CR   MLEA   355420   5360530   PROPOSED.  
 355388   5360568   FOUND AT - 1 -



TLKCKA LARGE TREE THAT HAS FALLEN COMPLETELY OVER TRENCH. STOCK PILE OF Zn, Pb? FOUND AT TRENCH END. HEADING EAST FROM TRENCH THERE IS ANOTHER PILE OF ROCKS (Zn, Pb, IRONSTONE). IRONSTONE EVERYWHERE!



Dump pile at Tenth Legion Kynance Creek Area



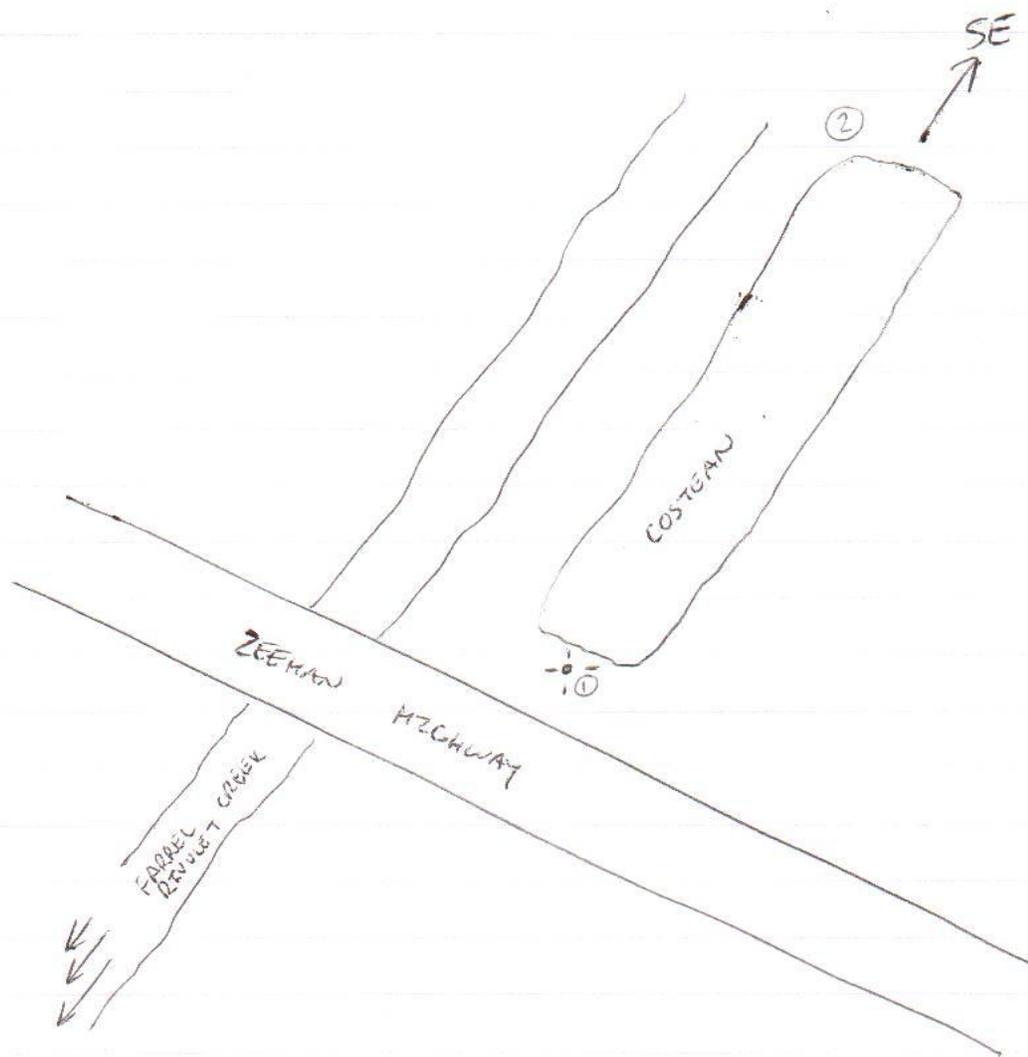
Ironstone present within the costean at TLKCA



Distinct magnetism.

# Farrell Rivulet Upper

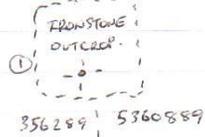
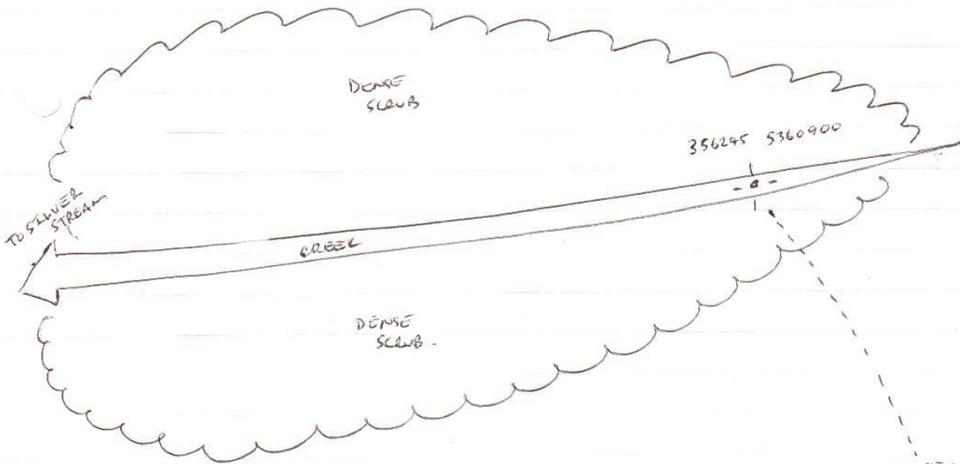
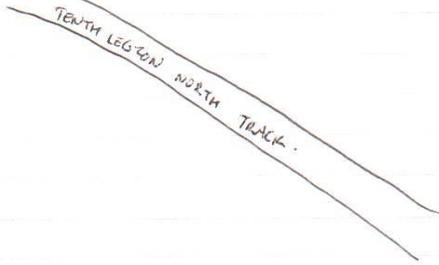
FARREL RIVULET UPPER 370700 5355400 PROPOSED  
370715 5355425 FOUND AT -1-



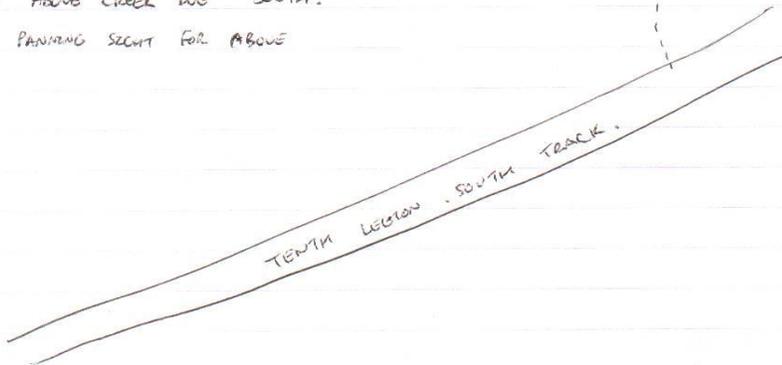
FARREL RIVULET UPPER IS A LARGE COSTEAN RUNNING PARALLEL TO CREEK WHICH IS RUNNING SE. FINE AND COARSE GRADE SANDSTONE WAS FOUND AND NOT MUCH ELSE.

# Jarday Area

JARDAY AREA 356245 5360900 PROPOSED.

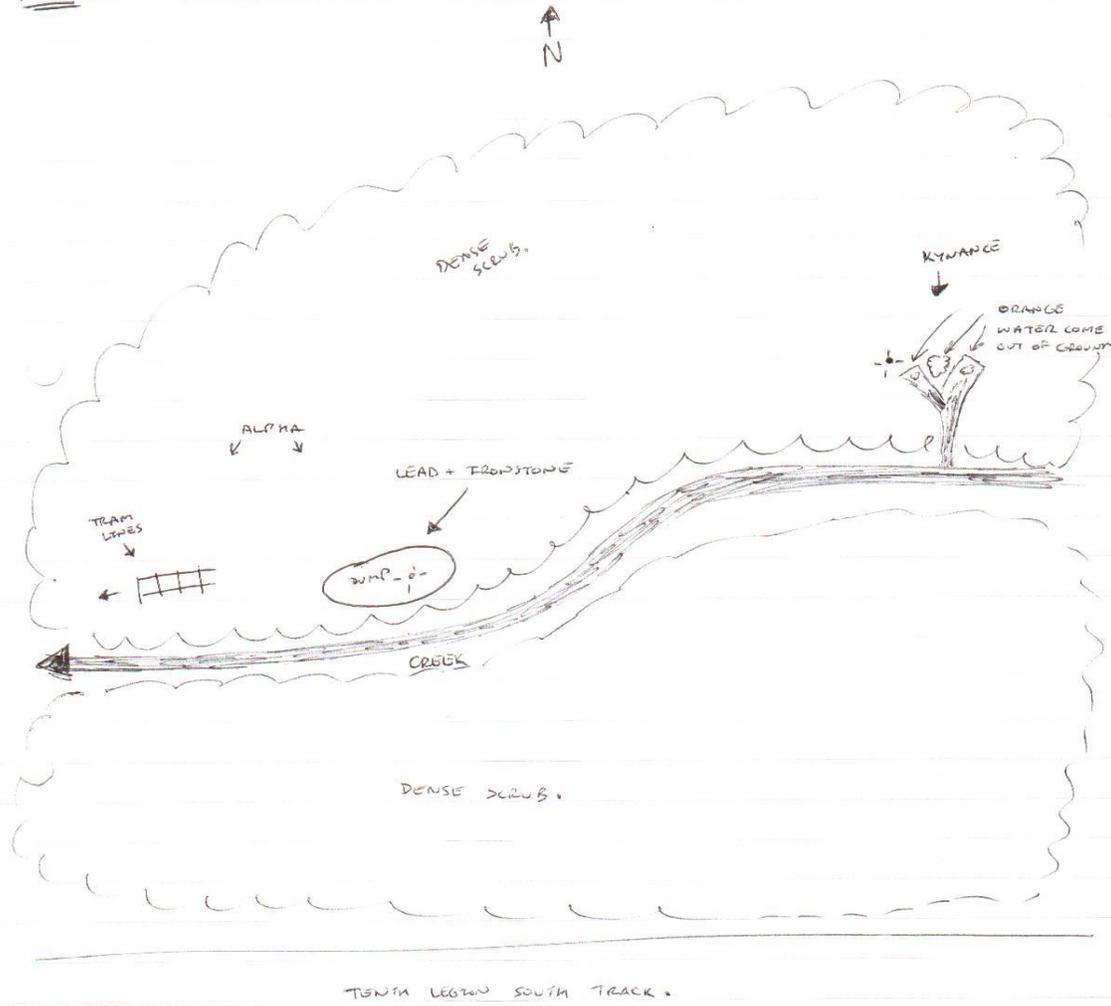


JARDAY AREA. NO SIGN OF ABANDONED MINE IN CREEK AREA.  
 LARGE IRONSTONE OUTCROP ABOVE CREEK DUE SOUTH.  
 CREEK LOOKED LIKE A GOOD PANNING SECT FOR ABOVE  
 RUN OFFS.



# Kynance and Alpha Area

KYNANCE 355925 5360850 PROPOSED 355932 5360822 FOUNDAT  $\frac{1}{1}$   
ALPHA 355873 5360801



KYNANCE IS A Y CONVERGENCE CUTTING LEADING INTO CREEK. ORANGE WATER COMING  
 OUT OF GROUND WHICH WOULD SUGGEST A SHAFT SOMEWHERE IN VICINITY. NO  
 DUMP PILES FOUND AT KYNANCE SO SAMPLE WAS TAKEN OUT OF BANK. ALPHA IS  
 A STOCKPILE WITH TRAM LINES IN FRONT WHICH SUGGEST THE ORE WAS BROUGHT  
 FROM KYNANCE AND DUMPED AT ALPHA THEN TRAMMED OUT ELSEWHERE. IRONSTONE  
 AND LEAD WAS FOUND IN THIS PILE.



The apparent magnetism in the Alpha area.