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## MEMORANDUM

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TO Jovan Silic

CC Andrew McNeill

SUBJECT EL 23/2000 Silver Falls. Historic EM Survey Review

FROM Mick Skirka DATE 15<sup>th</sup> September 2004

PHONE 6473 1092 FAX

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### ***Introduction***

Zinifex is exploring EL 23/2000 for Rosebery or Hellyer type Zn-Pb-Cu-Au-rich VHMS mineralisation within the Mount Read Volcanics. Systematic exploration of the license area by Zinifex has utilised a combination of geological mapping, partial leach soil geochemistry and infill surface time-domain EM, where there is no existing coverage, or where the previous EM coverage is interpreted to have been ineffective.

The Shale Basin area is located in the southern part of EL 23/2000 and this area has been covered with UTEM surveys by BHP during 1986-88. As a part of the systematic exploration of this area, the results from the historic BHP surveys are to be reviewed.

### ***Historic Surface EM Coverage***

BHP completed several UTEM surveys in the Burns Peak – Pinnacles region, including the Shale Basin area, between 1986 and 1988. At Shale Basin, three loops were surveyed in 1986-87 and one loop surveyed in 1987-88. A follow up Sirotem survey over an identified UTEM anomaly (comprising two loops) was also completed during 1987-88.

#### **1986-87:**

Loop 3: 1000m x 1700m (4800E, 6200N to 5800E, 7900N)

Reading Lines: 6400N, 6600N, 6800N, 7000N, 7200N, 7400N, 7600N and 7800N

Loop 9: 500m x 1700m (4800E, 6200N to 5300E, 7900N)

Reading Lines: 6200N, 6400N, 6600N, 6800N, 7000N, 7200N, 7400N, 7600N and 7800N

Loop 10: 500m x 1700m (5300E, 6200N to 5800E, 7900N)

Reading Lines: 6200N, 6400N, 6600N, 6800N, 7000N, 7200N, 7400N, 7600N and 7800N

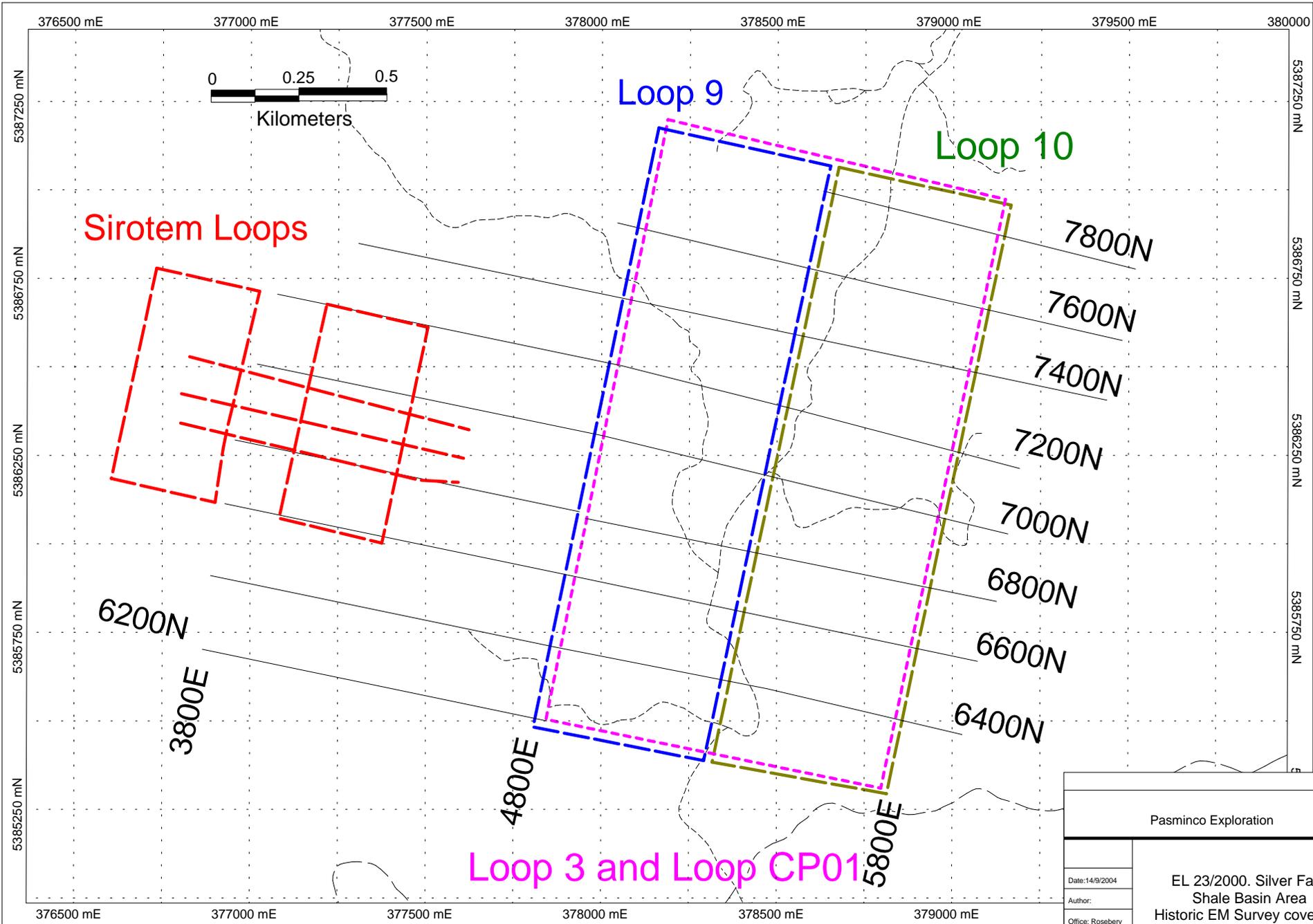
#### **1987-88:**

Loop CP01: 1000m x 1700m (same as Loop 3)

Reading Lines: 6200N, 6400N, 6600N, 6800N, 7000N, 7200N and 7400N

Sirotem Survey: Two Loops (West and East). Both loops 600m x 300m

Reading Lines: 6800N, 6900N and 7000N



Pasminco Exploration	
Date: 14/9/2004	EL 23/2000. Silver Falls Shale Basin Area Historic EM Survey coverage
Author:	
Office: Rosebery	
Drawing: Mick Skirka	
Scale: 1:15000	Projection: AMG Zone 55 (AGD 66)