

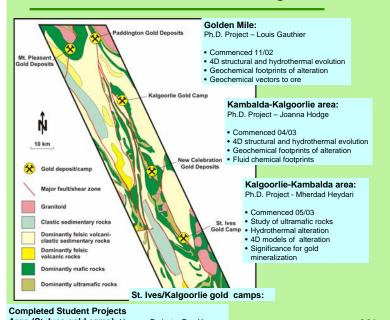
predictive mineral discovery **COOPERATIVE RESEARCH CENTRE**



Y3/M358

Scale-Integrated Studies of the Eastern Goldfields Province: From Brownfields to Greenfields Exploration

Research, Education & Training



Placer Dome Asia Pacific

Kanowna Belle

St Ives GMC





John Walshe & Leo Horn

Peter Neumayr, Steffen Hagemann, Louis Gauthier, Mherdad Heydari, Joanna Hodge & Honours students, Bill Stone (adjunct. Researcher)

Bob Morrison, Karen Connors, & Ned Stolz

Scott Halley & Greg Hall

Dr. Glen Masterman



Y2

Research Coordinators:

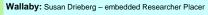
Y3: Peter Neumayr, Steffen G. Hagemann M358: John L. Walshe

- Camp- to deposit-scale alteration models through time
- 4D hydrothermal alteration models
- Chemical footprints of hydrothermal alteration/fluids
- Conceptual structural and geochemical hydrothermal alteration models
- · Geochemical targeting models

Key Themes:

- Scale integrated structuralhydrothermal alteration models
- Chemical gradients
- Contrasting fluid systems

Embedded Researchers



Will commence 01/04

Y3/M358

- Alteration and structural mapping at KB
- Targeting using alteration mapping Communication of research results on site

Kanowna Belle: Glen Masterman – embedded Researcher

Commenced 07/03

Industry Mentors: Greg Hall

 Cam McCuaig • Francois Robert

Cees Swager

Walli Witt

- Alteration mapping at KB
- Testing of PIMA and ASD for alteration mapping
- Targeting using alteration mapping
- Communication of research results on site

St. Ives gold camp: Leo Horn - embedded Researcher

- Commenced Feb. 2003
- Redox alteration mapping in the St. Ives gold camp Testing of PIMA and ASD for alteration mapping
- 3D redox model
- Targeting using redox and alteration mapping Communication of research results on site

Embedded Researchers Based on-site

CSIRO UWA

MERIWA

pmdCRC

High-tech analyses at university and CSIRO

Embedded Researchers

- Focus research activity on-site
- Raising on-site awareness of research & potential benefits
 "Real-time" transfer of research outcomes into targeting process
 Lots of reporting via posters & on-site informal meetings