

**Terra Search Pty Ltd**  
Specialists in Mineral  
Exploration, Geology and  
Computing

Curriculum Vitae 2011

**Claire Hirschmann**

**Geologist**

Terra Search Pty Ltd

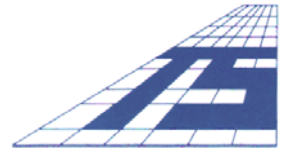
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**Name:** Claire Hirschmann

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TERRA SEARCH PTY LTD  
PO Box 981, Hyde Park QLD 4812  
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**DOB:**

31/7/1978

**Education:**

2004      **Honours in Applied Geology (First Class)**  
            Curtin University  
1997 -      **Bachelor of Science - Geology Major.**  
2000      Adelaide University (1997 – 1999) and University of British Columbia (2000)

**Summary Experience**

Geologist with 6 years experience in mineral exploration. Claire completed her B.Sc at Adelaide University and the University of British Columbia and later went on to get a 1<sup>st</sup> in Honours at Curtin. She commenced work as a geologist for Southern Cross Resources in 2004, developing a database of uranium deposits around the world. Claire began exploring for uranium and gold with Mindax Limited in 2005, gaining varied field experience and working with CSIRO to identify methods of defining uranium targets through water sampling. In 2006, she started working as a Project Geologist for Dominion Mining Limited, exploring for gold and base metals in various regions of Western Australia, primarily focusing on the Southwest Yilgarn. All aspects of project management were involved in this position, including field programme design, landholder and government liaison, geological supervision of drill programmes, surface sampling, regolith and outcrop mapping, prospect evaluation, geophysical surveying, QAQC regulation, result interpretation and target generation. Moving to Queensland in early 2009, she worked for Cudeco Limited at the Rocklands copper project, primarily supervising drill rigs, training junior geologists, managing rig movements and logging diamond core. In October 2009 she commenced work at Terra Search, initially compiling data for the Queensland Department of Natural Resources and Minerals then moving in to project management across Queensland and the Northern Territory.

**Certificates/Courses/Licenses/Memberships**

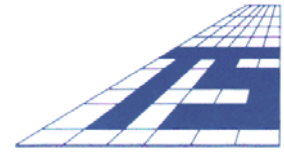
Applied First Aid  
Advanced Resuscitation  
Generic Induction Metalliferrous and Coal  
Applied Fire Fighting  
Risk Assessment  
Drivers Licence (Medium Rigid Truck)  
4WD Safe Driving and Recovery  
Niton and Innov-X Operation and Radiation Safety Training  
AIG member

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### Overview of Skills and Experience

- Project management - creating budgets, field programme design and scheduling, liaising with government and land holders to obtain approval for field work, cost management, reporting exploration activities
- Field regolith and outcrop mapping
- Drill programme planning, implementation and supervision
- Surface sampling programme planning and implementation
- Geophysical survey planning and interpretation
- Extensive use of Mapinfo as a tool to analyse field data, identify targets and plan field work
- Database development and administration
- Exploration camp set up, GPS navigation, vehicle and equipment maintenance and operation, familiarity with remote communication devices

### Industry Experience and Expertise:

Oct 2009 - **Terra Search Pty Ltd**

Present

- Project Geologist for Natural Resources Exploration Pty Ltd. Project management of an extensive portfolio of exploration licences across the Northern Territory and Queensland.
- GIS data compilation for the Queensland Department of Natural Resources and Minerals

May – Oct  
2009

**Cudeco Limited - Geologist**

- RC rig supervision
- Organisation of the RC drill programmes for each rig and providing cross-sections, maps and other relevant technical information to geologists
- Training junior geologists and field assistants
- Diamond core logging and rig monitoring
- Use of Innov-X portable XRF to assess copper prospectivity

Oct 2006 –  
Aug 2008

**Dominion Mining Limited - Project Exploration Geologist**

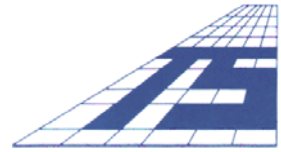
- Management of numerous gold and base metal exploration projects throughout Western Australia, predominantly in the Southwest Yilgarn
- Creating project budgets, obtaining approvals, programme scheduling and cost management
- All aspects of planning and implementation of reverse circulation, air core, rotary air blast, auger and surface sampling programmes - defining optimal exploration targets, obtaining government approval for work, managing contractors, liaising with land holders, field camp set up, rig supervision, logging, field and office cross section analysis, characterising mineral systems and defining follow-up targets
- Diamond core logging and interpretation
- Field regolith and outcrop mapping
- Design of aeromagnetic and EM surveys, liaising with contractors and interpretation of results
- Training and supervision of junior employees
- Use of Niton portable XRF machine to assist in defining targets while mapping, collecting rock chip samples and drilling
- Ensuring all government requirements are met in a timely fashion (reports, expenditure, exemptions, programme of work applications, etc)
- Extensive use of Mapinfo, Microsoft Office Suite and various geophysical and remote sensing programmes
- Project generation – use of publicly available and company data to assess ground beyond

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- project boundaries and applying for tenure in prospective regions
- Apr 2005 – **Mindax Limited – Exploration Geologist, Database Administrator**
- Sep 2006
- Uranium exploration project coordination and supervision of gold exploration field work
  - Planning and carrying out rotary airblast, aircore and surface sampling programmes
  - Radiation Safety Management Plan design and generation, Field Radiation Safety Officer
  - Down hole and surface gamma logging and correlation with other field data
  - Extensive use of Mapinfo and Discover to analyse field data, identify new targets and plan field programmes
  - Working with the CSIRO to develop and implement water sampling programmes for uranium targeting through compilation and correlation of geological, geochemical and geophysical data
  - Design of the companies drilling and surface geochemical database (Microsoft Access), data entry and ongoing maintenance
  - Company website updates and maintenance
- Nov 2004- **Southern Cross Resources – Database Developer, Exploration Geologist**
- Mar 2005
- Global uranium deposit database design and research of the world's deposits. In excess of 8000 sites recorded, detailing location and geological setting of each – Microsoft Access and Mapinfo

### Computer and Technology Skills:

Competent in the use of software packages including;

- Microsoft Office (Word, Excel, Access and PowerPoint)
- MapInfo and Arc GIS
- Various photo editing and drawing programs
- Explorer 3

Experience with database design, maintenance and information compilation

Experience with both laboratory and field based assay methods

Use of Niton and Innov-X field XRF instruments

### Financial and Personnel Management Experience:

Experience with management of annual budgets for exploration on up to 70 tenements involving;

- Contract negotiation
- Cost estimation
- Cost coding
- Ensuring budgets are met and not exceeded by more than 10%

Claire has supervised various contractors and company staff in both field and office environments, ranging from drilling and surface sampling to data compilation.

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