A Preliminary Prospectivity Map for the Tellus Border Region

GALANTAS GOLD CORPORATION

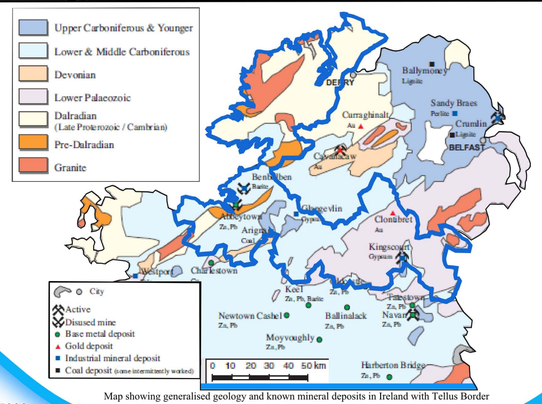
Sarah Coulter and Josh Stinson

Introduction

The principal aim of this project was to use the new Tellus Border datasets to assess and promote the mineral prospectivity potential of the region, in order to encourage inward investment from local and international exploration and mining companies. The methods used to determine base and precious metal prospectivity are outlined in the shaded box below (Stages 1-5); the central image below portrays a summary of the results.

The geology of the border region is greatly varied with rocks spanning in age from the Proterozoic to present, resulting in a diverse geology with a wide range of mineral prospects such as gold, silver and base metals including copper, lead and zinc.

Geology and Mineralisation of the Border Region



Map showing generalised geology and known mineral deposits in Ireland with Tellus Border region highlighted. Adapted from: Exploration and Mining Division Ireland, 2005.

Project Summary

The high quality Tellus Border geochemical and geophysical datasets underpin this work. Several highly prospective areas were isolated through assessment of pathfinder element anomalies, lithology, age of bedrock, and the occurrence and orientation of structural features. Omagh Minerals' geologists made lithological and structural observations and collected a range of sample types in four selected target zones. Consideration was given to the association between element concentrations and local geological and environmental conditions e.g. lithology, fault orientation, pH, contamination and passage of ice flow. The results indicate significant gold anomalies in stream sediments and rock samples, particularly within the Millford and Glenties targets. The project results underline the highly prospective nature of the Border region.

Legend for New Samples

Sample Type:

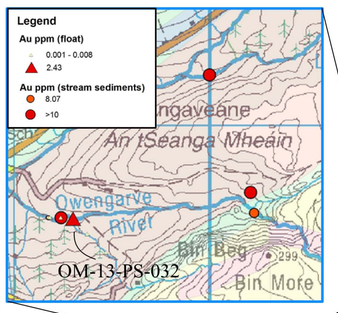
- Stream Sediment -
- Float -
- Bedrock -
- Panned Conc. -
- Soil Sample Grid -
- Sample of Interest-

**Smaller inset maps have separate legend, shown on maps*

2. Glenties

Area Summary:

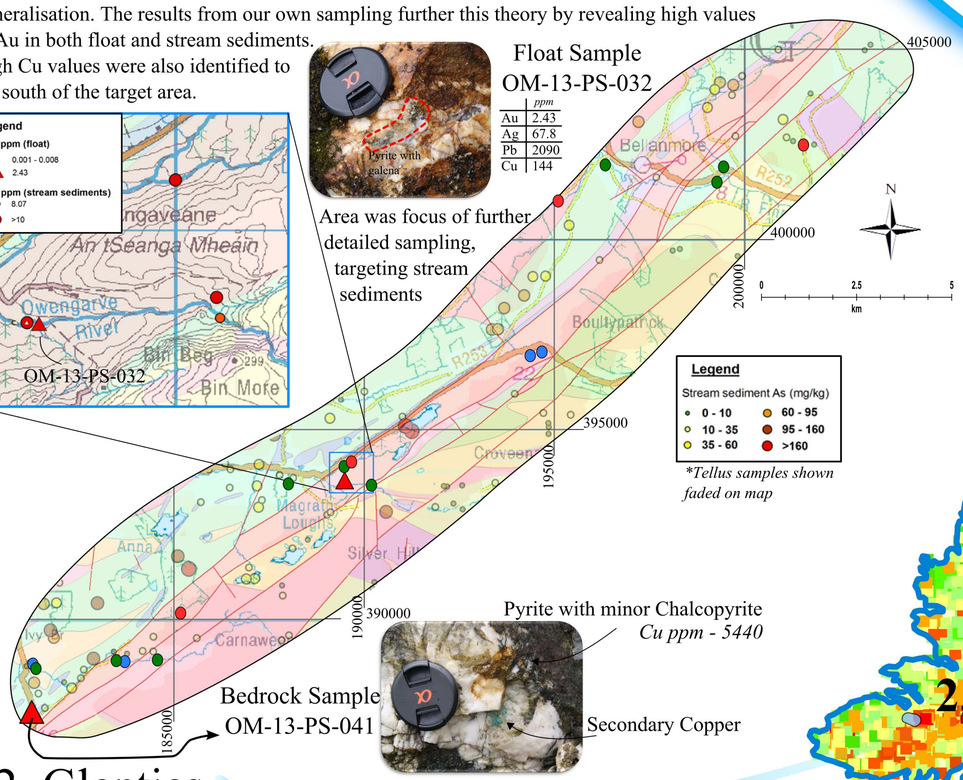
Target area based on high stream sediment values for both As and Ag, showing ideal potential for Au mineralisation. The results from our own sampling further this theory by revealing high values of Au in both float and stream sediments. High Cu values were also identified to the south of the target area.



Float Sample OM-13-PS-032

	ppm
Au	2.43
Ag	67.8
Pb	2090
Cu	144

Area was focus of further detailed sampling, targeting stream sediments



Legend

Stream sediment As (mg/kg)

0 - 10	60 - 95
10 - 35	95 - 160
35 - 60	>160

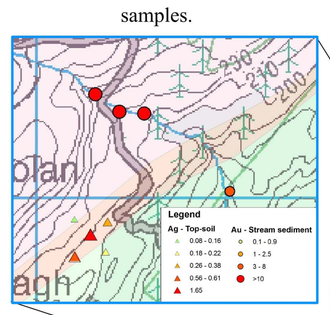
**Tellus samples shown faded on map*

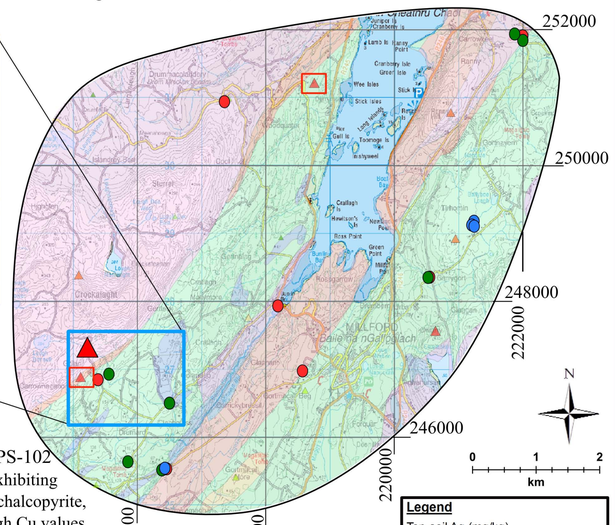
Bedrock Sample OM-13-PS-041

3. Millford

Area Summary:

High base metal and Au pathfinder element values from the Tellus Border survey highlight great potential. This was backed up with Au and Ag results shown on subset map below. Stream sediments were the source of the highest anomalies, with notable values also derived from float samples.

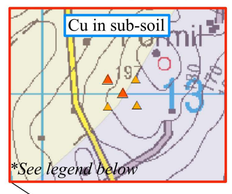




Sample OM-13-PS-102 Bedrock sample exhibiting pyrite with minor chalcopyrite, backed up with high Cu values ~100ppm

**Tellus samples shown faded on map*

Results from the soil sampling campaign reveal high anomalies for base metals, especially Cu



**See legend below*

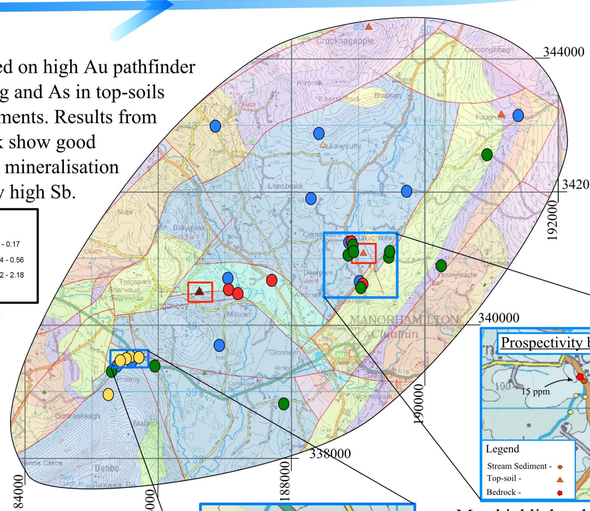
Area Summary

The target area was considered due to a wide variety of anomalies, including both base and precious metal pathfinder elements. The area has always been contentious due to the chance of contamination from known mineral deposits to the north. The results from our own sampling indicate a possible local source for anomalies.

1. Manorhamilton

Area Summary:

Target area based on high Au pathfinder elements: Sb, Ag and As in top-soils and stream sediments. Results from recent fieldwork show good potential for Au mineralisation with particularly high Sb.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342000
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MANORHAMILTON
Glenfarne
Derrylea
Dowra
Lurganboy
Curraghmore
Lisgorgan
Lisdoonan
Lisbofin
Lisnaskea
Drumlease
Derrycassan
Dunbo
Rossinver
Kilcoo
Aghalateeve
Kiltyclogher
Cloghcor
Aghavas
Lisnagrow
Lisdoonan
Lisbofin
Lisnaskea
Drumlease
Derrycassan
Dunbo
Rossinver
Kilcoo
Aghalateeve
Kiltyclogher
Cloghcor
Aghavas
Lisnagrow
Crockanagapple
Kilcrook
Aghalateeve
Kiltyclogher
Cloghcor
Aghavas
Lisnagrow
Lisdoonan
Lisbofin
Lisnaskea
Drumlease
Derrycassan
Dunbo
Rossinver
Kilcoo