



CONROY  
GOLD AND NATURAL RESOURCES

# NEW DISTRICT-SCALE 65KM (40 MILE) GOLD TREND IN THE LONGFORD-DOWN ACCRETIONARY PRISM TERRANE IRELAND



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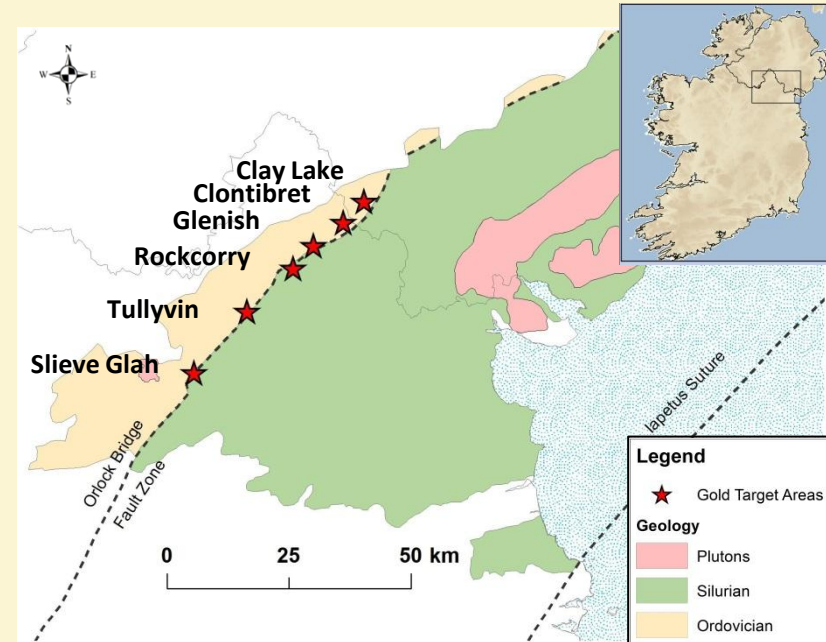
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# A NEW DISTRICT-SCALE GOLD TREND



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- ◆ Conroy Gold and Natural Resources has discovered a 65km (40 mile) new district-scale gold trend located in the Longford-Down accretionary prism terrane in Ireland
- ◆ The trend lies along a major geological structure, the Orlock Bridge Fault Zone
- ◆ A series of potentially multi million ounce gold targets have been discovered by the Company along the new district-scale gold trend
- ◆ The licence area covers c.1,000km<sup>2</sup> (c. 390 sq miles) extending across Counties Armagh, Monaghan and Cavan



# JOINT VENTURE WITH DEMIR EXPORT A.Ş.

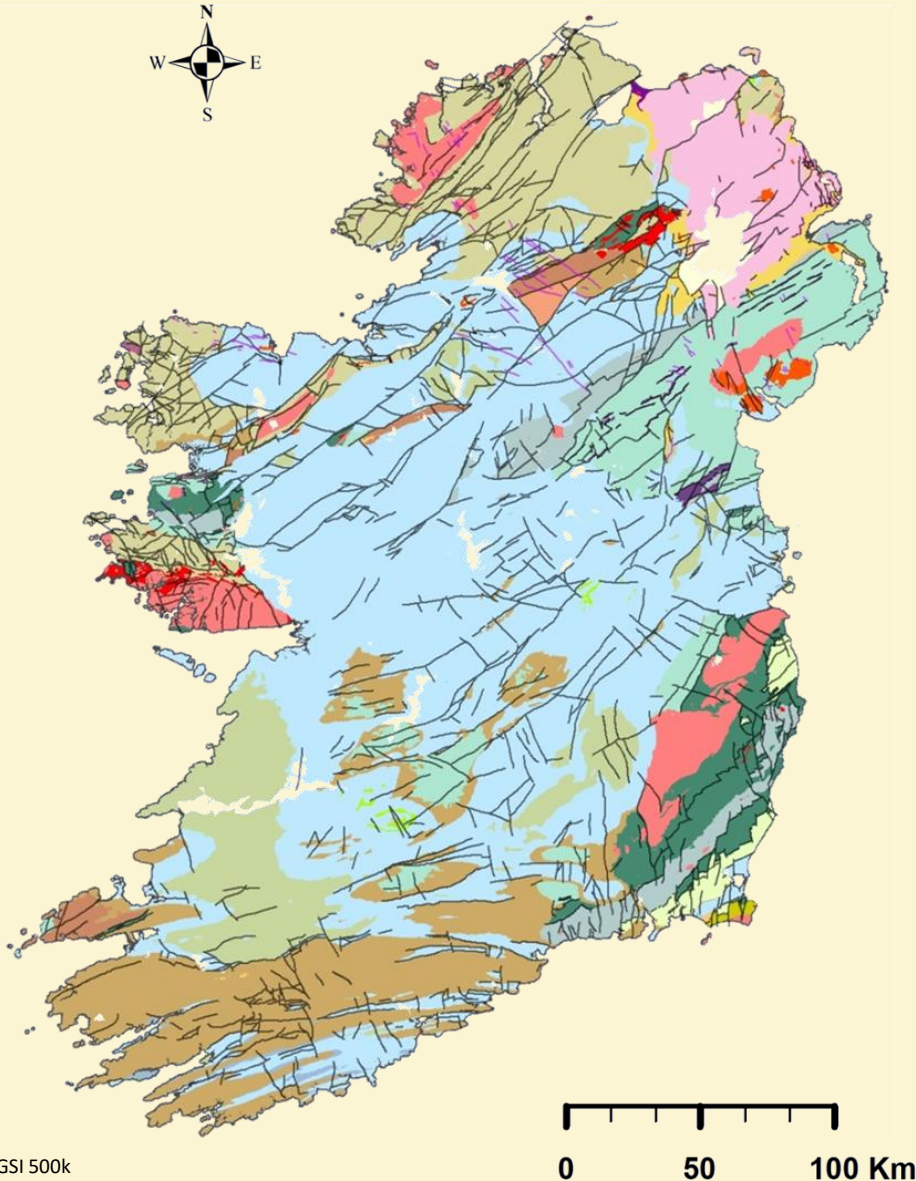
- ◆ **Joint Venture between Conroy Gold and Demir Export Agreement on an earn-in basis**
- ◆ **Demir Export is a long established mining company with interests in iron, coal, gold and base metals, including zinc and copper, in Turkey.**
- ◆ **It has a strong in-house technical team with mining and exploration expertise**
- ◆ **Demir Export brings over 60 years of mine operating experience to bear on the project and places a strong emphasis on the adoption of international environmental, and health and safety management standards**
- ◆ **The objective of the joint venture is to further explore and develop the new district scale gold trend which Conroy Gold has discovered along the Longford-Down Massif in Ireland.**
- ◆ **Initial eight drill hole, 3,000m, JV programme underway**



# BEDROCK GEOLOGY OF IRELAND



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## Legend

### Geology

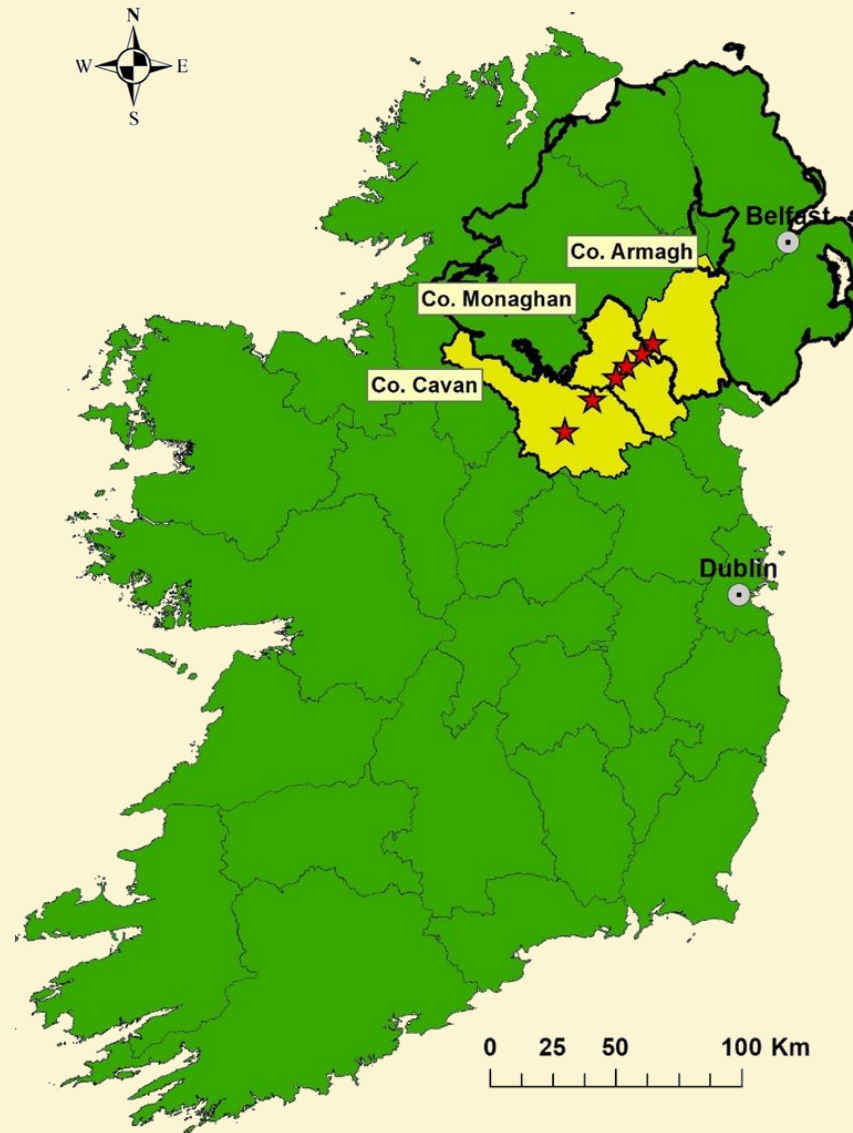
#### Formation

 Caledonian Granite	 Permo-Trias Sandstone
 Oligocene Clay Sand	 Cambrian Greywacke
 Lower Basalt Formation	 Carboniferous Volcanics, Minor Intrusions
 Lower Palaeozoic Dolerite, Diorite	 Late Visean-Westphalian 'ORS'
 Cross Point Gneiss	 Marine Shelf Facies
 Upper Cretaceous Limestone	 Namurian Sandstone, Shale
 Lower Jurassic Mudstone	 Devonian Basic Volcanics, Minor Intrusions
 Triassic Sandstone	 Lower - Middle Ordovician Basic Volcanics
 Tyrone Central Inlier	 Upper Silurian - Lower Devonian ORS
 Serpentine, DX	 Middle - Upper Ordovician Derryveeny Formation Greywacke
 Sperrins Dalradian	 Middle Devonian ORS
 Dalradian Argyll Group	 Ordovician - Silurian Moffat Shales
 Greenore Point Group	 Ordovician or Silurian Melange
 Tertiary Granite, Felsite	 Permian Sandstone
 Rhinns Complex	 Silurian Sandstone, Greywacke, Shale
 Mullet Gneiss	 Upper Devonian Marine Sandstone
	 Upper Devonian - Lower Carboniferous ORS

# LOCATION MAP



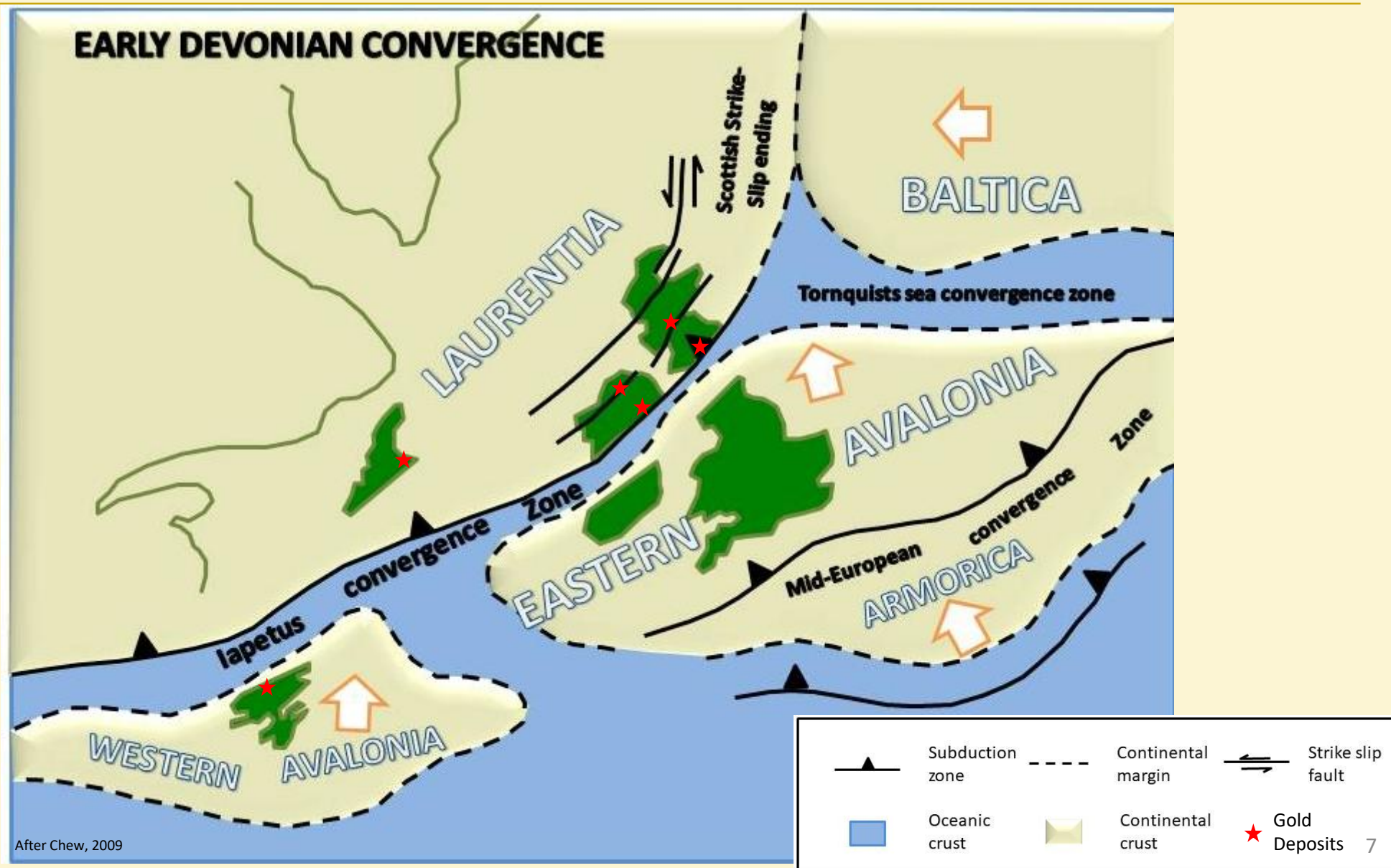
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# TECTONIC SETTING FOR THE CLOSURE OF THE IAPETUS OCEAN AND FOR THE ORLOCK BRIDGE FAULT ZONE



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After Chew, 2009

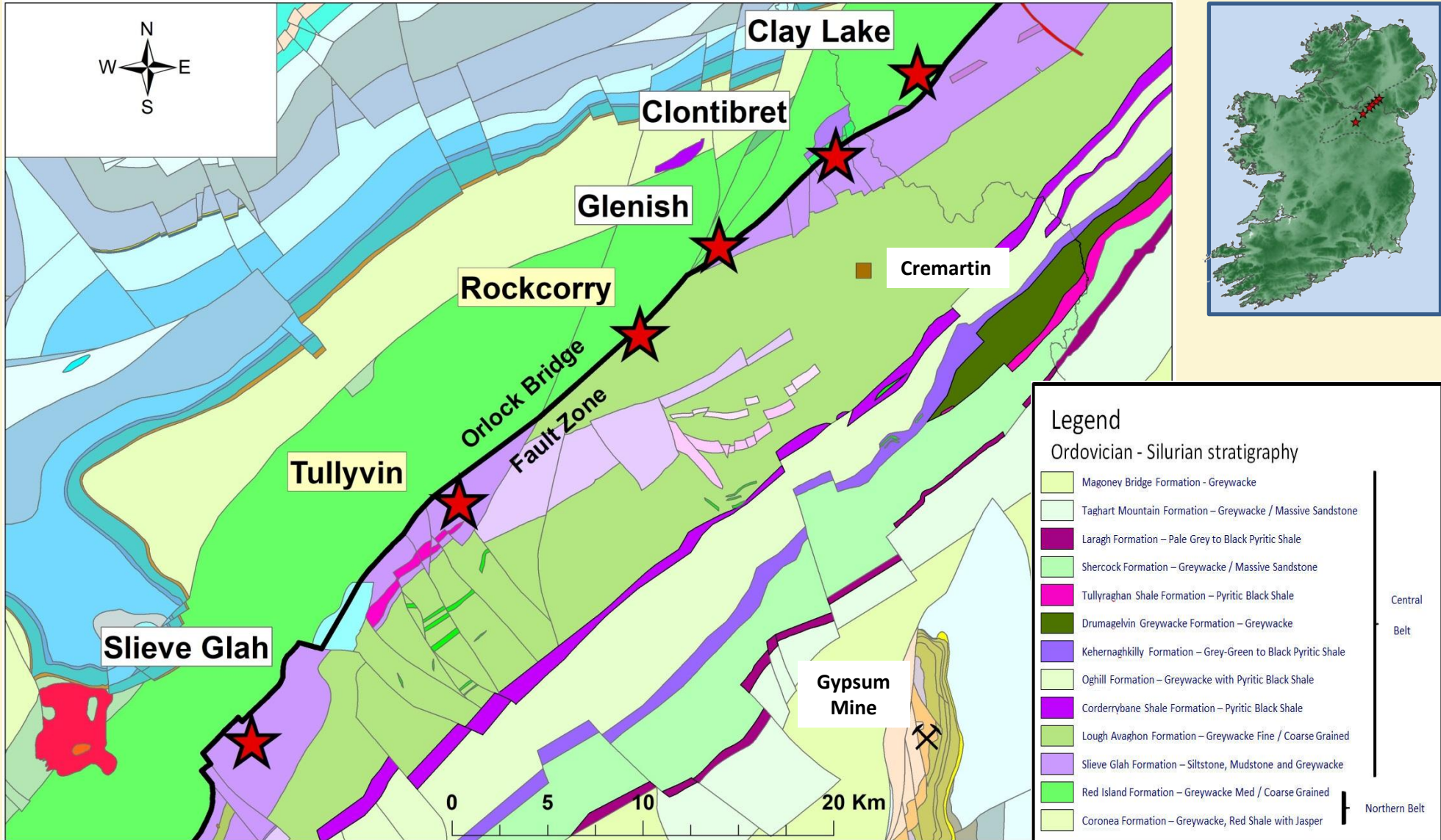


# GEOLOGICAL MAP OF LICENCE AREA

## ORLOCK BRIDGE FAULT AND GOLD TARGETS



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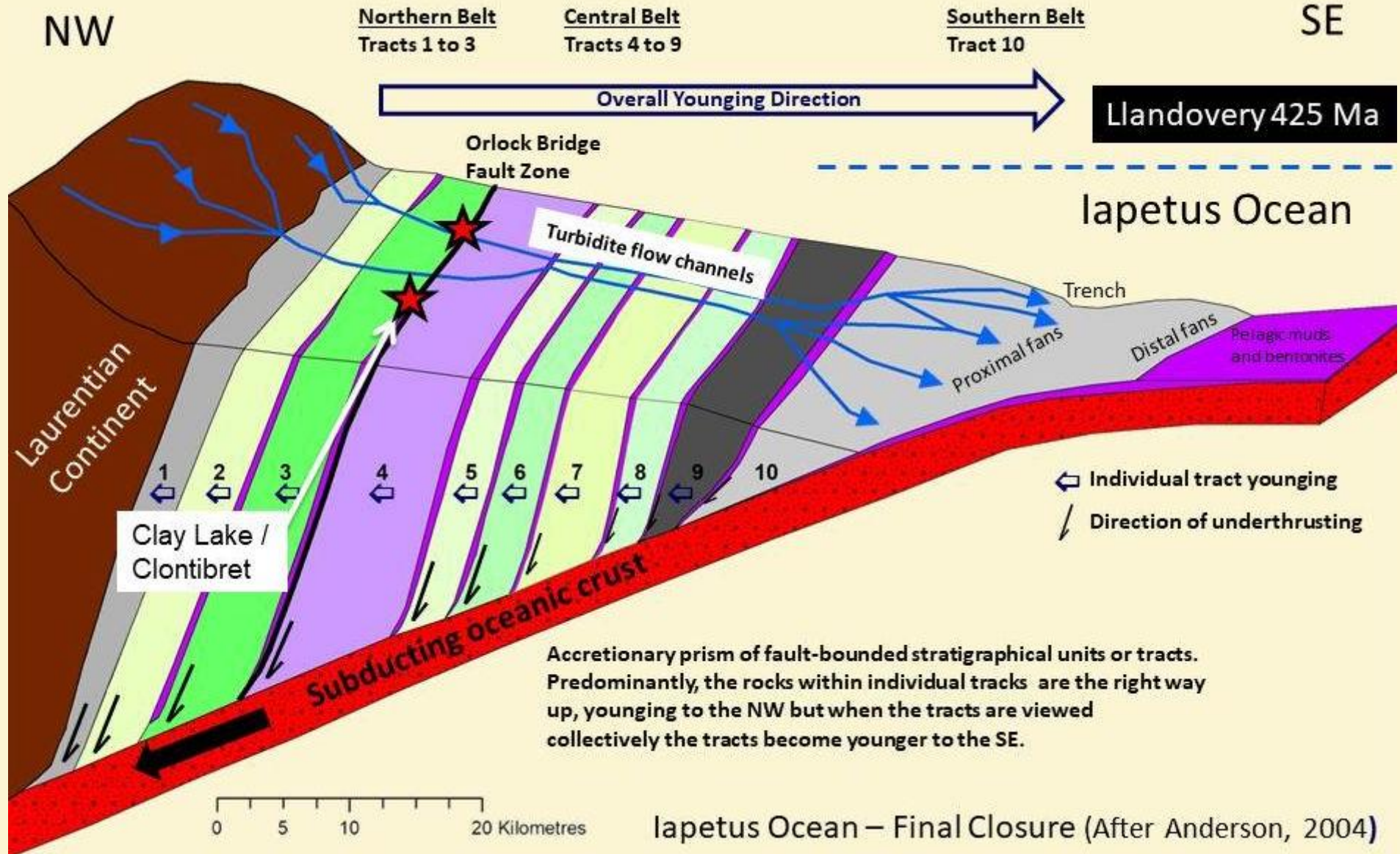
Modified after Geological Survey of Ireland 50k mapping



# ACCRETIONARY PRISM MODEL FORMATION OF THE LONGFORD – DOWN MASSIF



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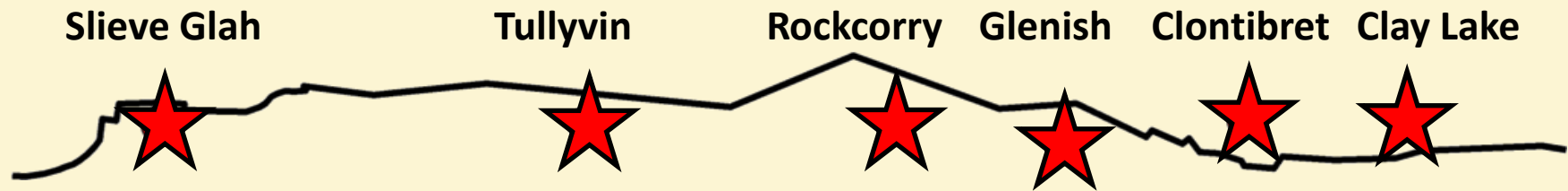


# ORLOCK BRIDGE FAULT ZONE AND BOULDER-LEFROY SHEAR ZONE GOLD TREND COMPARISON



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## Mineralisation Along Orlock Bridge Fault Zone (c. 65Km) Ireland



## Mineralisation Along Boulder-Lefroy Shear Zone (c. 100Km) W.A.



**FLEXURES ON THE SINISTRAL STRUCTURES ARE MAJOR CONTROLS ON GOLD DEPOSITS IN BOTH THE ORLOCK BRIDGE FAULT ZONE AND THE BOULDER - LEFROY SHEAR ZONE**

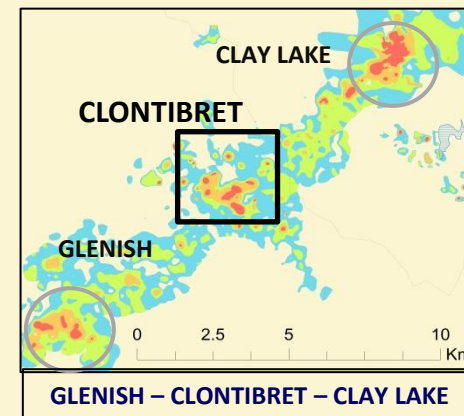
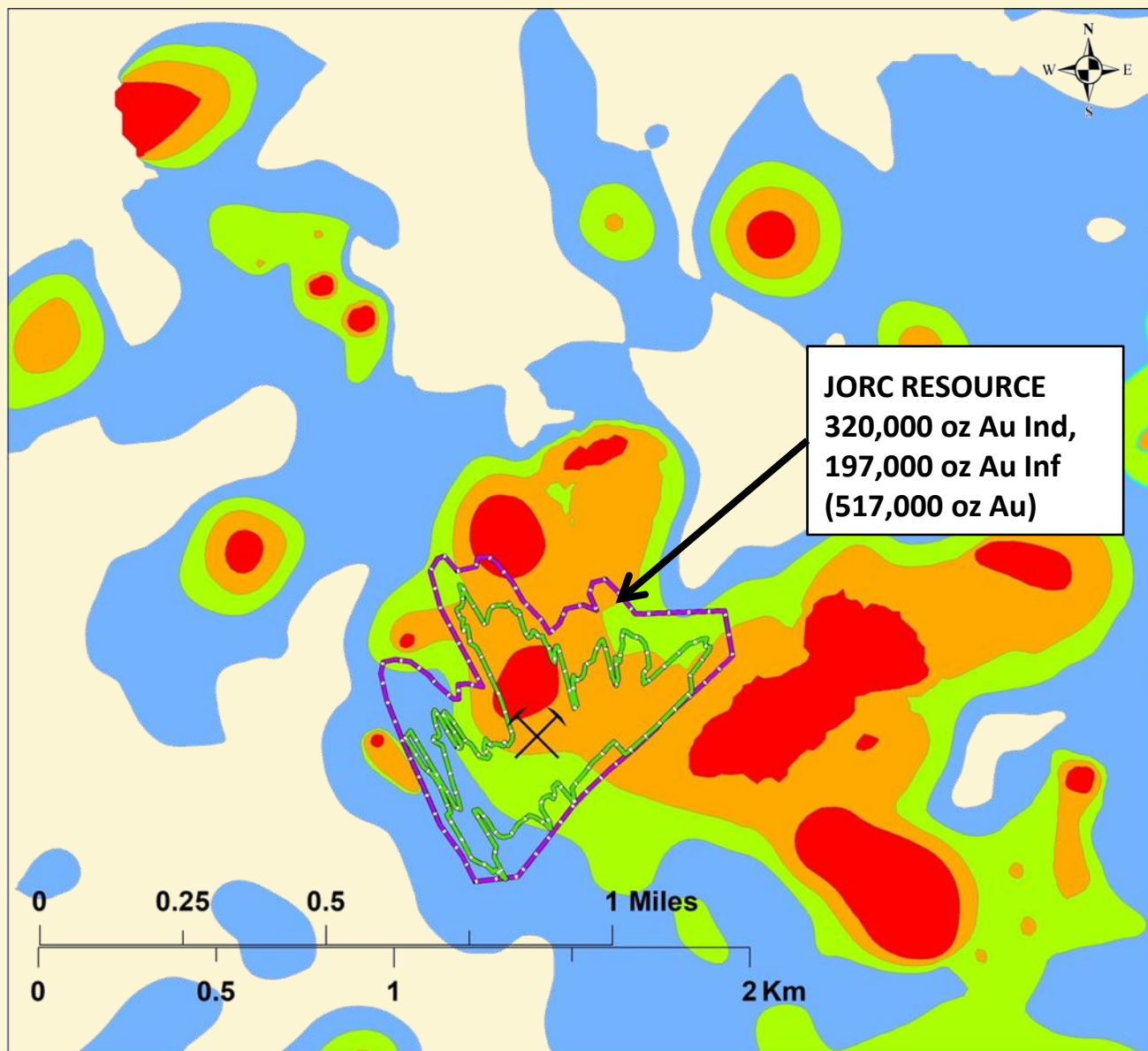
**(OVER 80M MINED OUNCES GOLD SINCE 1890s IN THE BOULDER – LEFROY SHEAR ZONE)**

# CLONTIBRET GOLD DEPOSIT

## JORC RESOURCE OVER GOLD-IN-SOIL ANOMALY



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### LEGEND

#### Gold-in-Soil (Au ppb)

■ >20

■ 10 - 20

■ 4 - 10

■ < 4

Historic Antimony Mine

Indicated Resource Footprint

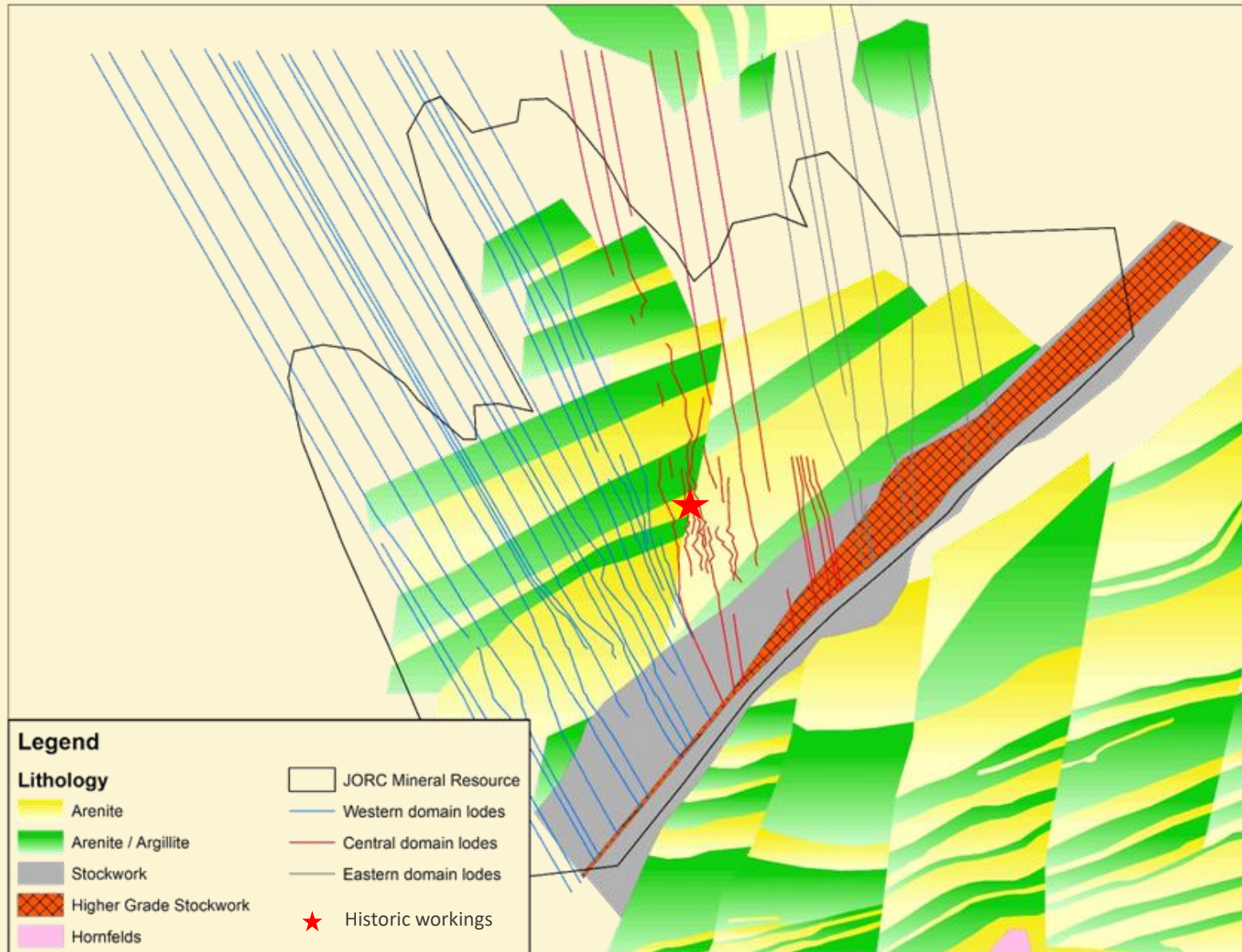
Inferred Resource Footprint



# CLONTIBRET GOLD DEPOSIT – LODES AND STOCKWORK



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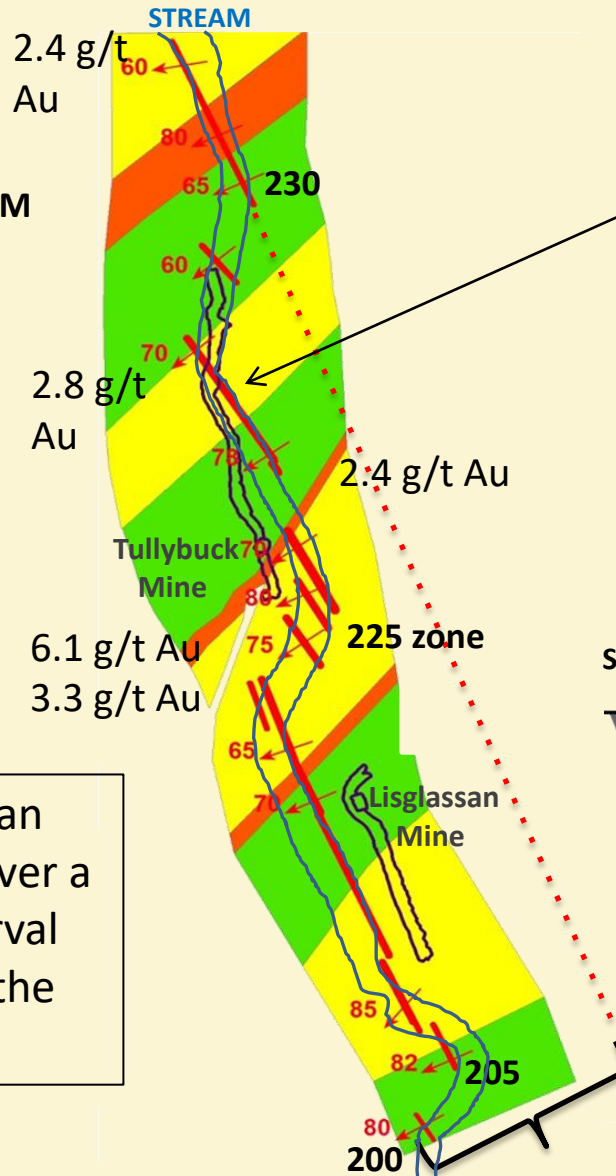


# CLONTIBRET STREAM SECTION – VISIBLE LODE GOLD PLAN VIEW, LODE OUTCROP AND LONGITUDINAL SECTION



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PLAN VIEW  
OF GEOLOGY OF  
CLONTIBRET STREAM



8 gold lodes can be observed over a 25 – 30m interval in the area of the stream

LODE OUTCROP IN STREAM



Legend

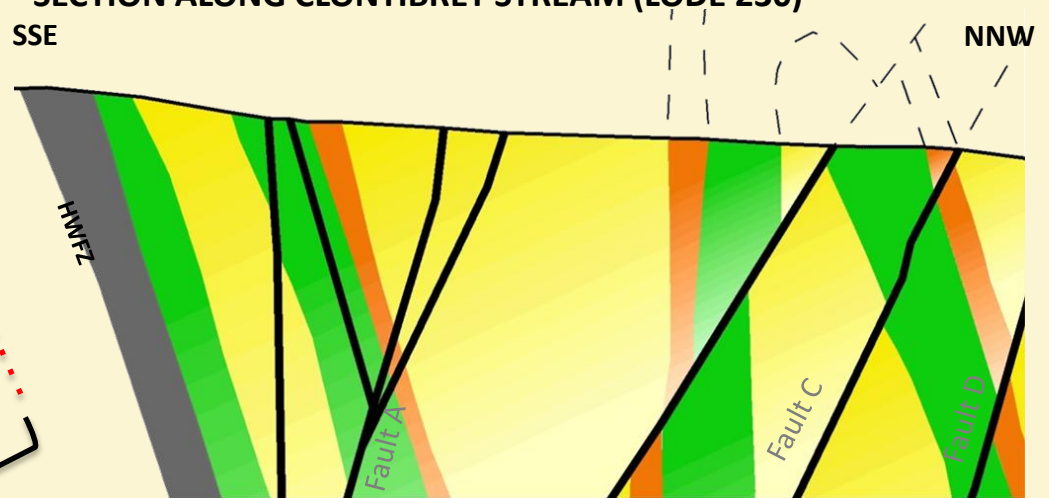
Geology

- Thickly bedded arenite
- Medium bedded arenite
- Thinly bedded argillite

Gold Lode

Old mine workings

SECTION ALONG CLONTIBRET STREAM (LODE 230)  
SSE NNW



# CLONTIBRET GOLD DEPOSIT CORE REVIEW



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## Intersections and gold grades

	From	To	Metres	g/t Au
<b>CDG3</b>				
	28.80	59.20	30.40	3.00
<b>CDG-03-14</b>				
	13.00	19.00	6.00	5.74
	83.00	85.50	2.50	25.29

	From	To	Metres	g/t Au
<b>TWOO1</b>				
	164.50	259.00	94.50	1.00
<i>inc.</i>	197.00	242.00	45.00	1.53



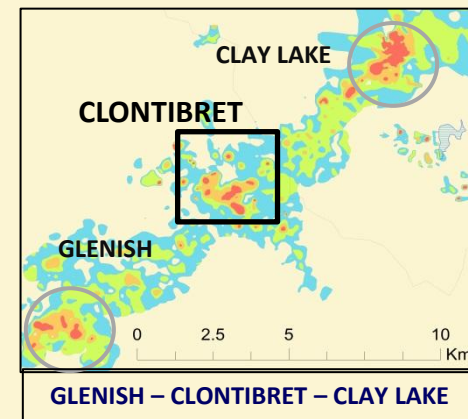
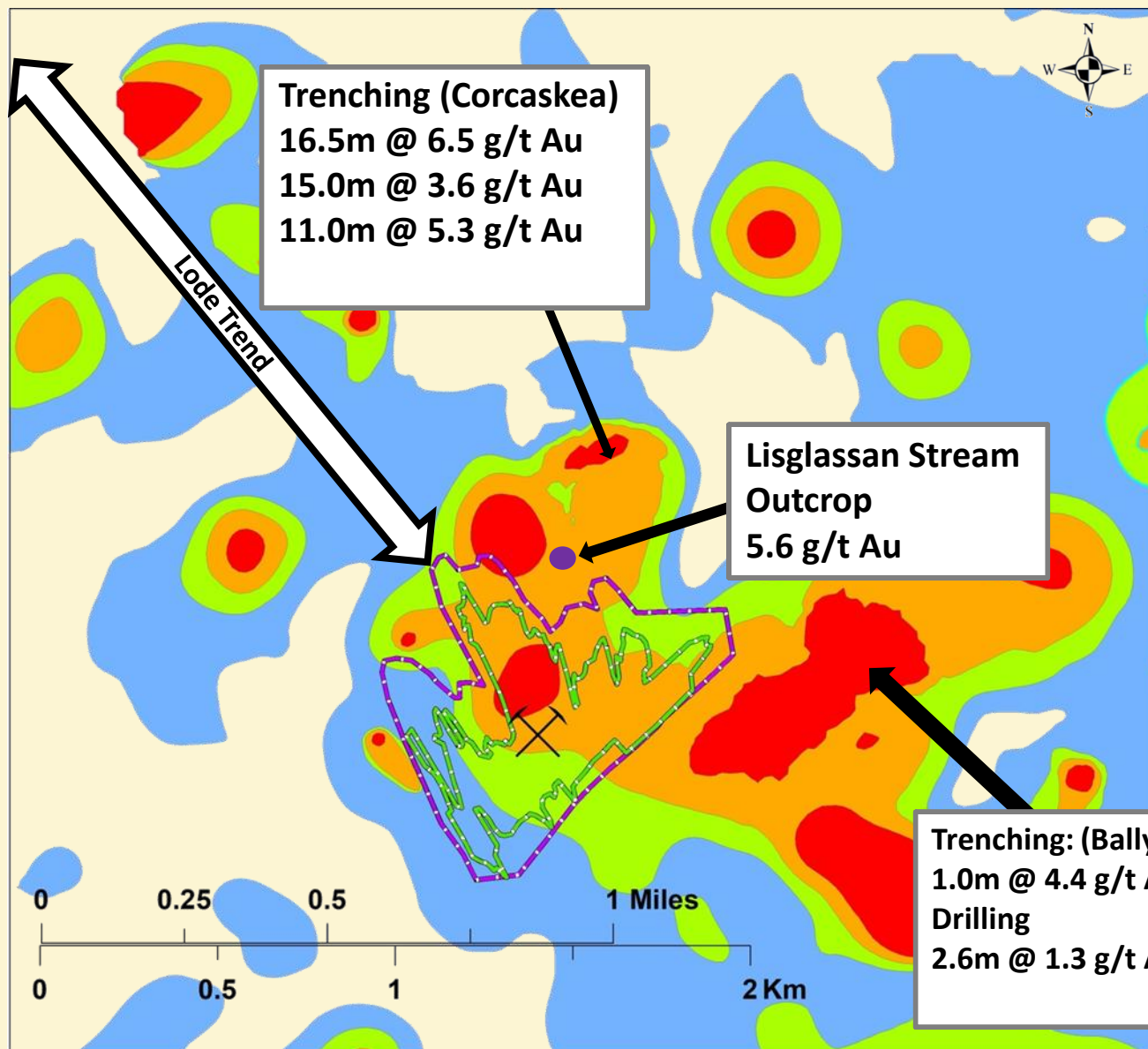
**Gold Mineralised Drill Core  
(2.50m @ 25.29 g/t Au)**



# CLONTIBRET GOLD DEPOSIT OPEN IN ALL DIRECTIONS AND TO DEPTH



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**LEGEND**

**Gold-in-Soil (Au ppb)**

- >20
- 10 - 20
- 4 - 10
- < 4

- Historic Antimony Mine
- Indicated Resource Footprint
- Inferred Resource Footprint

# LISGLASSAN STREAM OUTCROP DISCOVERY



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**MINERALISED OUTCROP 5.6 g/t Au**  
**(Chip channel sample 90cm @ 3.1 g/t Au)**

**LOCATED 260m FROM NEAREST DRILL HOLE IN INITIAL CLONTIBRET RESOURCE AREA IN TULLYBUCK  
AND 250m FROM TRENCHING IN CORCASKEA (16.5m @ 6.5 g/t Au)**

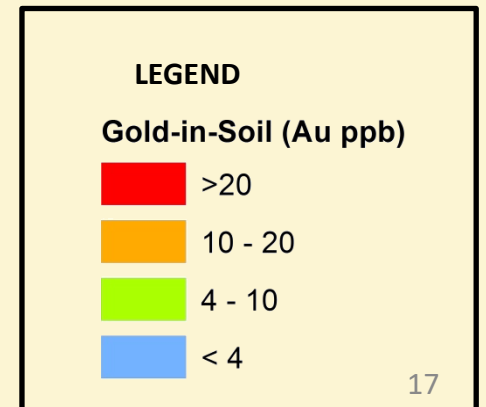
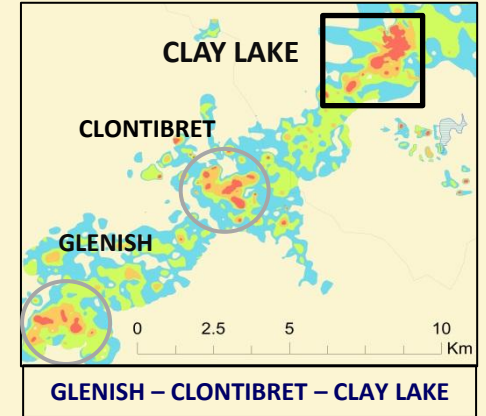
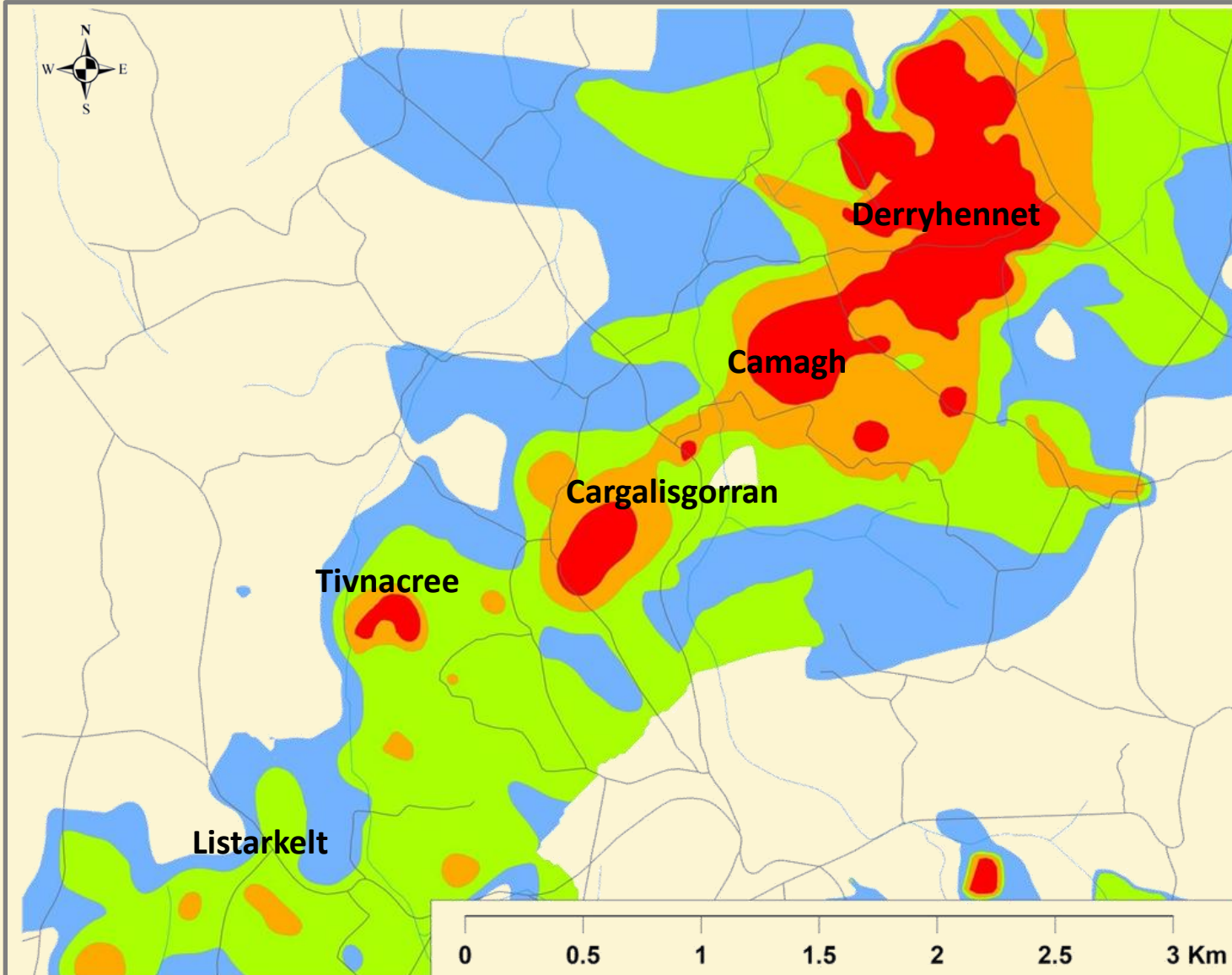
**(TULLYBUCK, LISGLASSAN AND CORCASKEA TOWNLANDS ARE ALL WITHIN THE CLONTIBRET TARGET AREA)**



# CLAY LAKE GOLD TARGET



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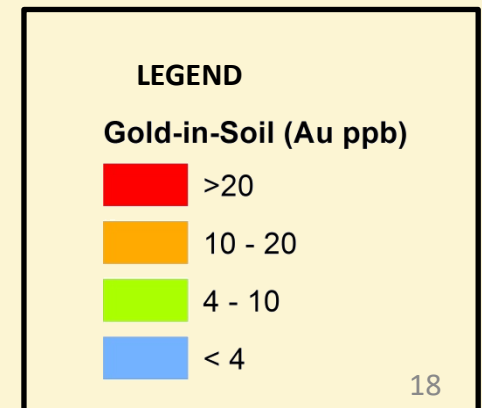
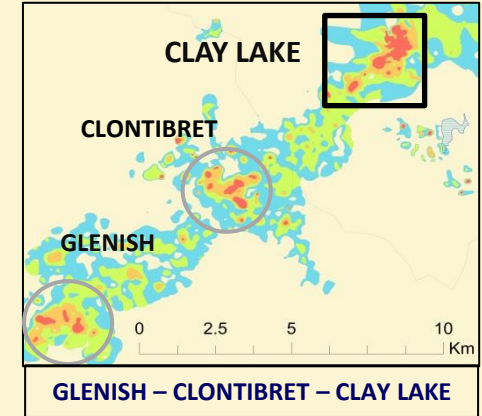
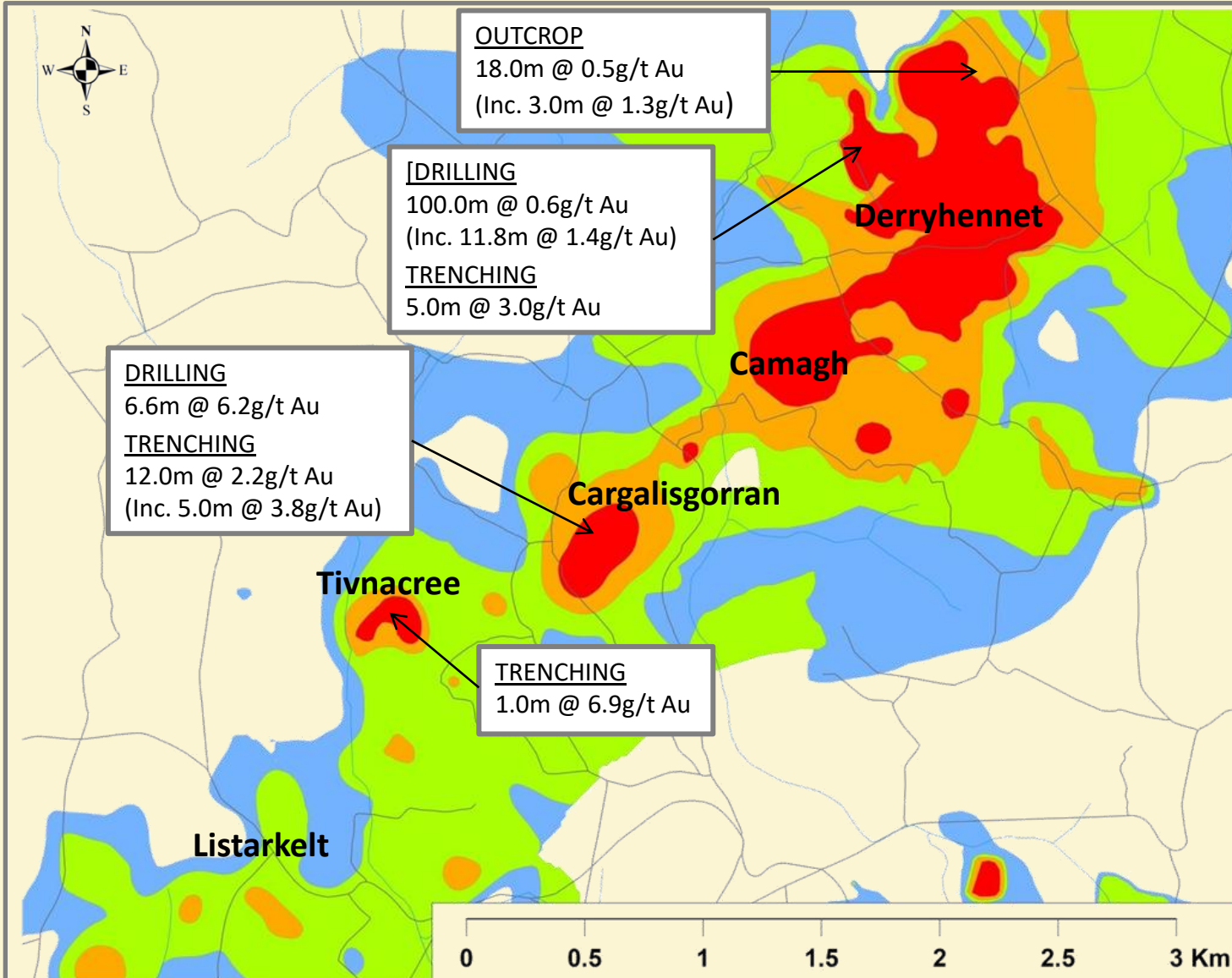




# CLAY LAKE GOLD TARGET – GOLD-IN-BEDROCK



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# CLAY LAKE GOLD TARGET GOLD-IN-BEDROCK (CARGALISGORRAN)



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**EXAMPLE OF GOLD MINERALISED BEDROCK  
(12.0m @ 2.2 g/t Au)**



# CLAY LAKE GOLD TARGET GOLD-IN-BEDROCK (DERRYHENNET)



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**MINERALISED CARBONACEOUS STOCKWORK  
OUTCROP IN STREAM**



**SAMPLE OF MINERALISED CARBONACEOUS  
STOCKWORK SHOWING FOLDING**



# CLAY LAKE GOLD TARGET DRILLING HIGHLIGHTS



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## Intersections and gold grades

### Cargalisgorran

	From	To	Metres	g/t Au
<b>CAL1</b>				
	16.50	38.00	21.50	2.04
	17.79	19.84	1.87	8.84
	21.08	23.44	2.36	4.11
	33.00	34.20	1.20	4.63
<b>CAL10</b>				
	16.15	23.61	7.46	5.49
inc.	19.53	23.09	3.56	9.53
<b>CAL-21-01</b>				
	72.5	74.5	2.00	3.80

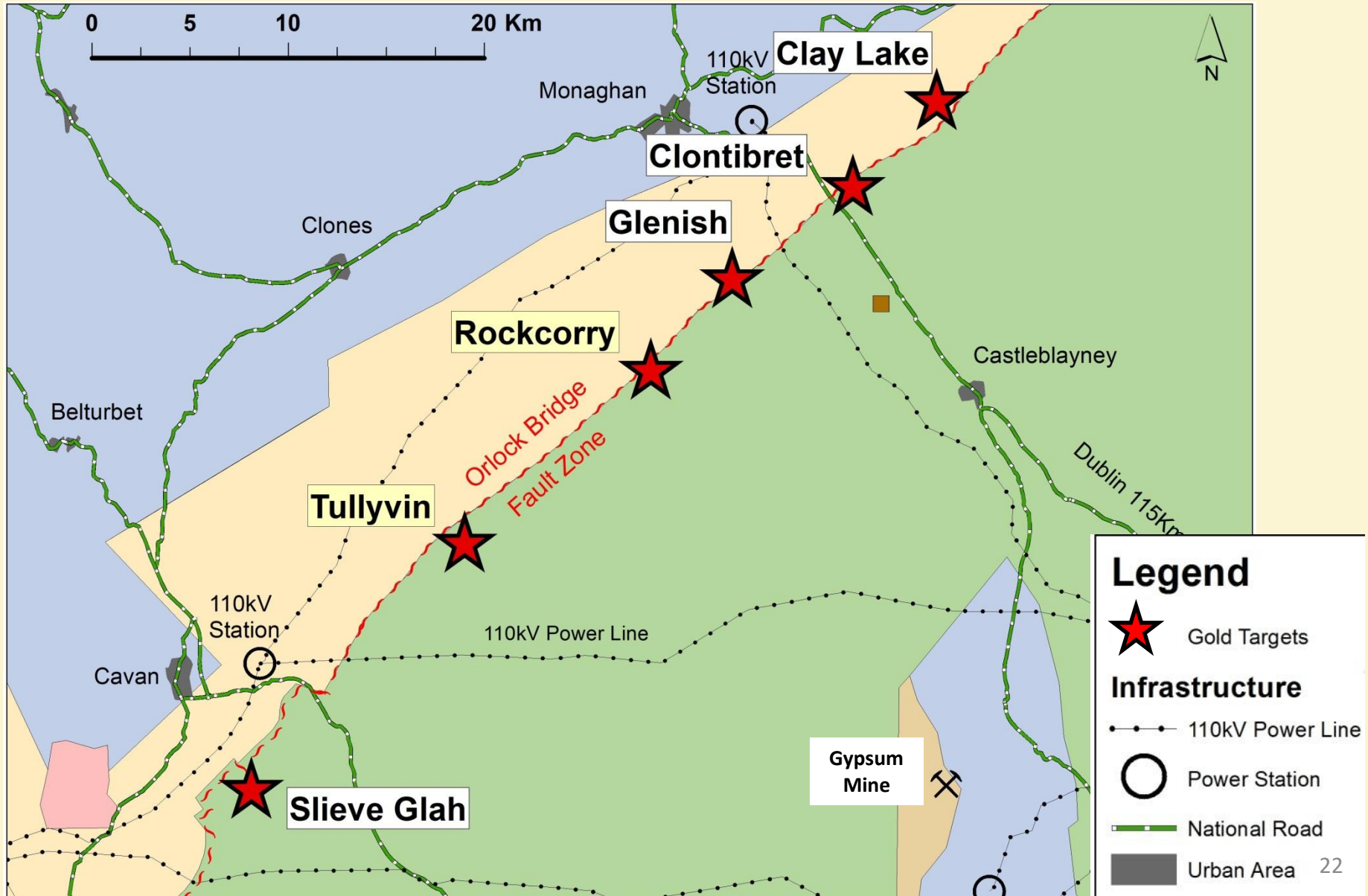
### Derryhennet

	From	To	Metres	g/t Au
<b>CY-09-10</b>				
	26.15	126.00	99.85	0.56
inc.	26.4	38.15	11.75	1.42
inc.	50.75	106.50	55.75	0.61
inc.	114	115.5	1.5	1.11
<b>CY-09-02</b>				
	90.50	153.50	63.00	0.62
inc.	90.50	99.50	9.00	1.48
<b>CY-18-01</b>				
	108.50	161.00	52.50	0.5

# MINING INFRASTRUCTURE HIGHLY FAVOURABLE IN LOCALITY



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# MINING AND QUARRYING IN AREA



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**There are two major mines in the local area**

**The St. Gobain Gypsum mine in County Monaghan**

**The Tara Zinc mine in the adjacent County of Meath**

**There are also active quarries in Counties Armagh, Monaghan and Cavan**

**Also mining tradition in the area – Armagh - Monaghan mining district**



**KINGSCOURT GYPSUM MINE,  
COUNTY MONAGHAN**



**TARA MINE, WORLD CLASS ZINC MINE  
COUNTY MEATH**



# CLONTIBRET GOLD TARGET DRILLING IN OPERATION INITIAL 3,000m PROGRAMME



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The programme has the objective of extending the eastern gold Lodes and the Stockwork gold mineralisation, both of which are open in all directions and to depth. Seven of the drill holes are step-out. One hole is targeting an up-dip gold mineralisation zone.