



18 September 2008

The Company Announcements Office  
 Australian Stock Exchange Limited  
 Exchange Centre, Level 6, 20 Bridge Street  
 SYDNEY NSW 2000

**High gold values recorded in preliminary assays from first drilling at the Faddy's Deposit, Fiji**

Geopacific Resources NL (ASX: GPR) is pleased to announce that high gold values have been returned in preliminary results of part of diamond drill hole FAD001 at the Faddy's Deposit, south of Nadi, Viti Levu, Fiji (Figure 1, Table 1).

**Table 1. Drill hole Summary**

Drill hole summary						Drill core assay summary #3			
drill hole	coordinates (local grid, magnetic)		hole azimuth (grid)	hole dip (degrees)	hole depth (m)	down-hole		interval (meters)	gold (g/t)
	northing	easting				from (m)	to (m)		
FAD001 #1	5150	3500	330	85	200	77.5	95	17.5	4.6
					incl	77.5	82.5	5	12.25
					incl	80	80.5	0.5	24.33
					incl	80.5	81	0.5	73.2
					incl	92	92	1	9.32
FAD002	5150	3500	150	65	120				#2
FAD003	5165	3580	150	65	35				#2
FAD004	5165	3580		90					#2

#1 Preliminary assay results of part-hole only - additional assays required to evaluate nuggetty gold

#2 Assay results not yet received

#3 Fire assays completed on whole drill core at Vatukoula Gold analytical laboratory (Fiji). All results >0.5g/t Au have been re-assayed in triplicate. Internal and external controls including standard reference material have been routinely analysed.

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Exploration Drilling Services Pty Ltd commenced diamond drill testing in the eastern portion of Geopacific's Faddy's gold deposit in early September. Diamond core drilling of holes FAD001, FAD002 and FAD003 has been completed and FAD004 is in progress. Six trenches (FT1 – FT6) located across outcropping gossan have also been prepared (Figure 2).

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Gold mineralisation occurs within a zone of quartz-pyrite-sericite altered dolerite which dips towards the west (Figure 3). High gold values occur in vuggy quartz veins and silicified, pyritic dolerite which has trace galena and sphalerite mineralisation. Preliminary gold assays for parts of this mineralised section include the following length weighted averages:

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**77.5 – 95.0m (17.5 metres) of 4.60g/t Au**

including; **77.5 - 82.5m (5 metres) of 12.25g/t Au**  
which also includes;

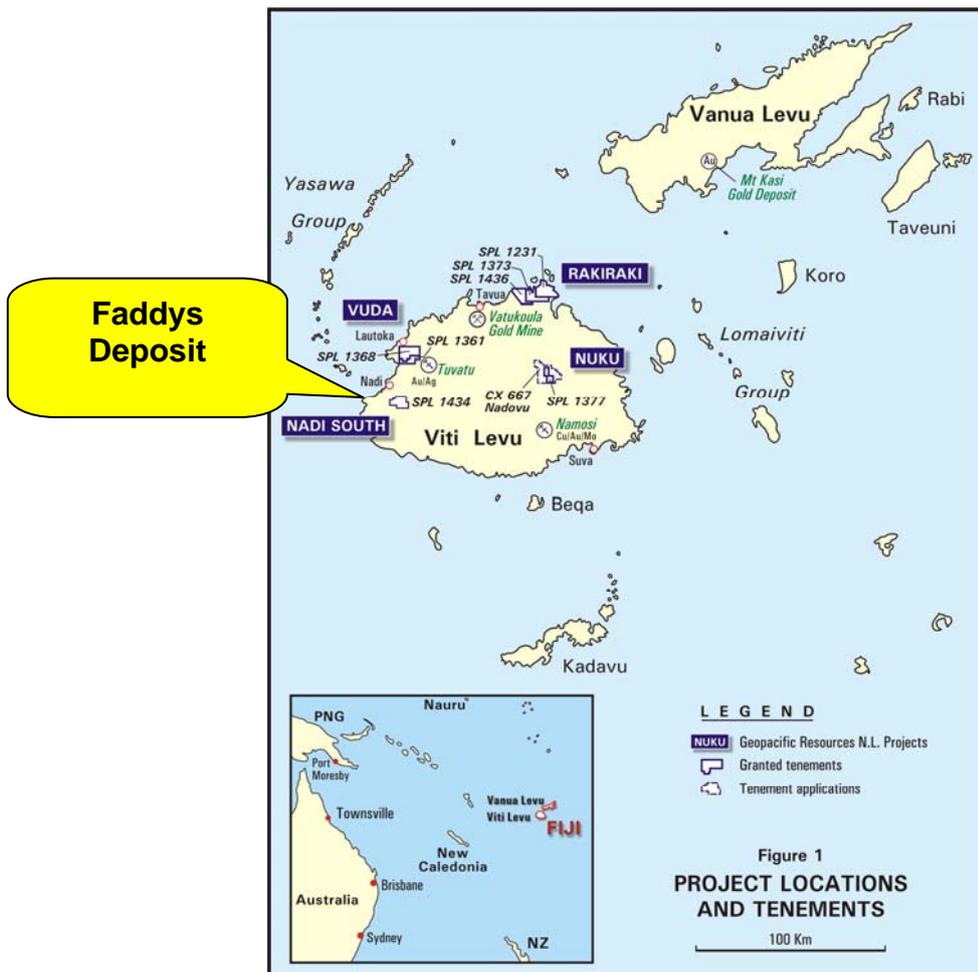
**80.0 – 80.5m (0.5 metres) of 24.33g/t Au**

and

**80.5 – 81.0m (0.5 metres) of 73.2g/t Au (2.36oz/t Au)**

and: **92.0 - 93.0m (1.0 metre) of 9.32g/t Au**

Visible gold has been observed above the assayed interval in FAD001 and this overlying mineralised zone together with footwall mineralisation (Figure 3) have yet to be assayed. These intervals may substantially increase both the grade and thickness of the preliminary results reported above. Also, the current data may have underestimated the amount of coarse ‘nuggetty’ gold mineralisation. Follow-up gold assaying by screen fire procedures is planned to more accurately determine coarse gold content. Silver, lead and zinc analyses will also be undertaken.



**Figure 1. Faddys Gold Deposit, Location**

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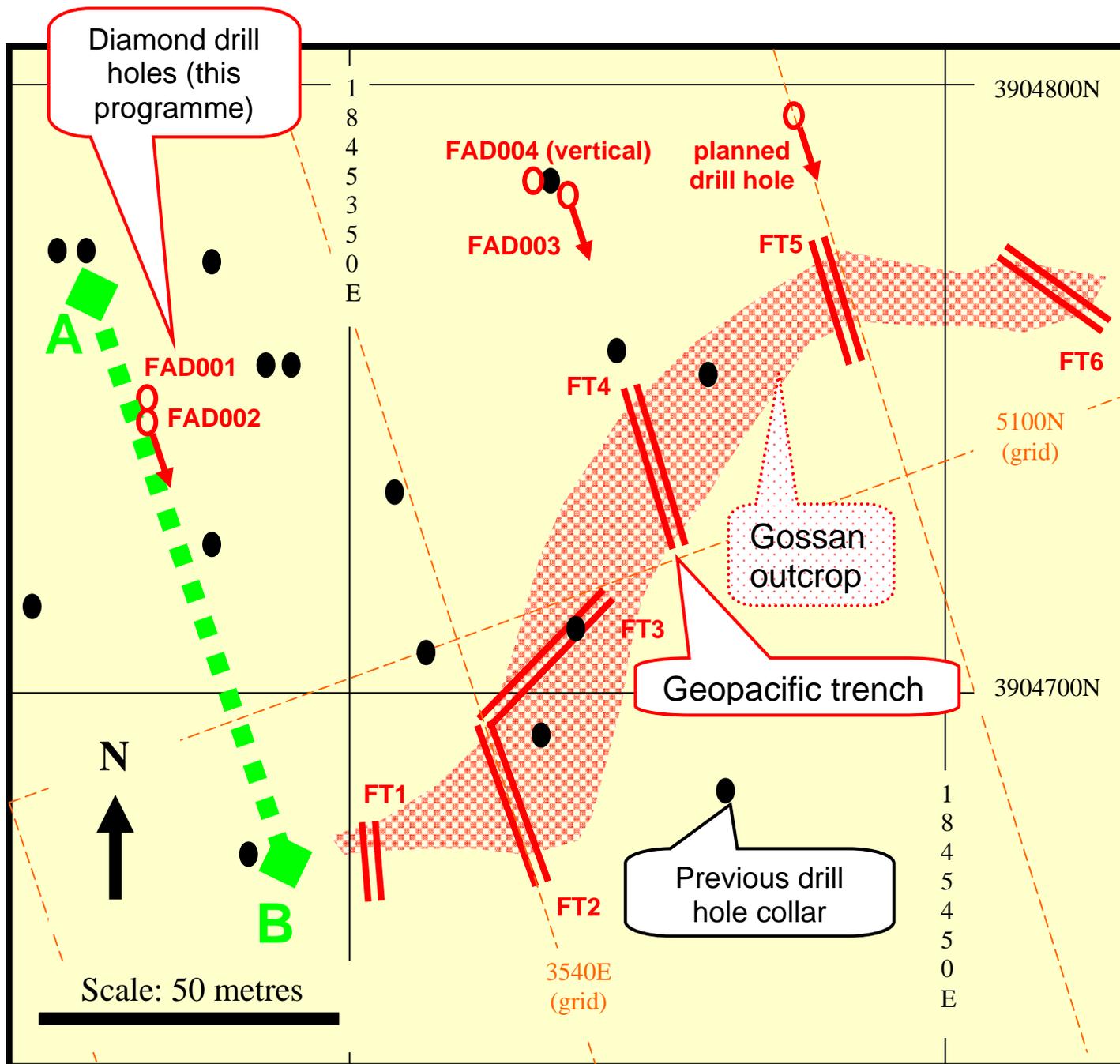


Figure 2

Faddy's Deposit  
(eastern end)  
showing locations of  
Geopacific diamond  
drill holes and  
trenches.

Location of cross section  
(Figure 3) is shown by the  
dashed green line A – B.





## **Procedures**

Uncut HQ3 size drill core was sampled and logged over portions of visible pyrite mineralisation in FAD001 (77.5 to 95 metres). Drill core recovery was mostly close to 100% and care was made to reduce sample loss during core handling by sampling the triple tube whole core directly into PVC casing prior logging and collection into plastic bags. The half-metre drill core samples were crushed, split, pulverised and assayed for gold by fire assay techniques at Vatukoula Gold Mines Ltd analytical facility. Three separate assays were undertaken on all samples reporting over 0.5g/t Au and standard reference samples were included. Remaining un-pulverised sample will be forwarded to another laboratory for screen fire assay determinations.

## **Progress**

Logging and sampling of the remaining drill core of FAD001, FAD002 and FAD003 is underway and assay data from these is expected over several weeks.

Drill hole FAD004, located at the same site as FAD003, 80m to the north east of FAD001 is in progress and further follow-up shallow drilling is planned (Figure 2). Six trenches (FT1-FT6) have been prepared across outcropping gossan which represents the weathered surface outcrop of the mineralised horizon and mapping and channel sampling of these is underway. Previous surface sampling of outcropping gossan has been limited although rock chip samples with over 14g/t Au have been reported during exploration by other companies. The Geopacific trench sampling work is the first detailed geochemical assessment of the mineralised outcrops which can be mapped along strike for several hundred metres,

Other information on the Company's projects and previous Geopacific announcements are available on Geopacific's website at [www.geopacific.com.au](http://www.geopacific.com.au).

Yours faithfully

A handwritten signature in black ink, appearing to read "I. J. Pringle".

Ian J Pringle  
**(Managing Director)**

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## **Competent Person**

*The review of exploration activities and results contained in this report is based on information compiled by **Dr Ian Pringle**, a Member of the Australasian Institute of Mining and Metallurgy. Dr Pringle is the Managing Director of Geopacific Resources NL and also a Principle of Ian J Pringle & Associates Pty Ltd, a consultancy company in minerals exploration. He has sufficient experience which is relevant to the style of mineralization and types of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the December 2004 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code). Dr Pringle has consented to the inclusion in this report of the matters based on his information in the form and context in which it appears.*

## **Further Information**

*For further information please contact Ian Pringle, Managing Director, on (02) 9699 7311 or [ianp@geopacific.com.au](mailto:ianp@geopacific.com.au). An overview of Geopacific Resources NL can be viewed at [www.geopacific.com.au](http://www.geopacific.com.au).*

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