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AUSTRALIAN SECURITIES EXCHANGE ANNOUNCEMENT

EXPLORATION UPDATE – 1st JULY 2008

HIGHER URANIUM GRADES AT WYNBRING, S.A.

- **Uranium assays up to 5m @ 850ppm U₃O₈, including 0.32% U₃O₈ over 1m**
- **Potential higher grade core remains untested**
- **Priority targets for drill testing next quarter**
- **Of the 9km of channel defined less than 2km drilled to date**

Fission Energy Limited (ASX: "FIS") has recently received uranium chemical assays from its second drilling program at Wynbring, 100km WNW of Tarcoola in South Australia (Figures 1 & 2). The project is located in a Tertiary palaeochannel 25km to the northwest of Toro Energy Ltd's Warrior uranium deposit. The Wynbring palaeochannel was initially identified by uranium explorer PNC in the 1980's but no further exploration took place until Fission commenced drilling in late 2007.

The second drilling campaign, comprising a 41 hole 2,220m air core drilling program was completed in early May and was designed to follow up the strongly anomalous uranium results (up to 5m @ 215ppm) intersected in the first drilling program completed in December 2007. The latest drilling has in-filled around previous holes generally on a 200 by 100m grid spacing but down to 100 by 50m in several places (Figure 3).

Equivalent uranium (U₃O₈) results estimated from down hole radiometric gamma logging and reported in May 2008 indicated the presence of coherent uranium mineralisation at the Pundinya prospect. The mineralisation is mostly associated with reduced unconsolidated fluvial sands near the base of the palaeochannel.

New Uranium Assay Results

All potentially mineralised intervals based on the down hole gamma logging were sampled in 1m intervals and sent for uranium chemical analysis. +100ppm U₃O₈ assays are listed in Table 1. Best results were 5m at 854ppm U₃O₈ in hole W79 from 48 to 53m, including 1m at 3200ppm (0.32% U₃O₈) from 52 to 53m. Equivalent uranium (U₃O₈) results previously estimated from down hole radiometric logging of this hole were 5m at 450ppm from 47 to 52m. The latest assay results are plotted over the eU₃O₈ contour plan in Figure 3.

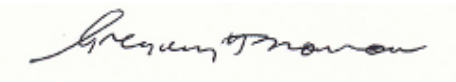
In general, within the higher grade core of the prospect U₃O₈ chemical assays exceed the eU₃O₈ values estimated from down hole logging whereas upstream, in the mostly oxidised channel sands north of the main redox front, U₃O₈ assays are lower than the eU₃O₈ estimates.

The latest assay results imply that uranium within the Pundinya prospect is in disequilibrium with its decay products, a common feature in uranium deposits of such a young age. This has reduced the northern extent of the Pundinya prospect however the potential for a small but high grade core on its eastern margin within the existing drilling grid has been increased.

Future Program

The interpreted Wynbring palaeochannel remains largely untested for approx. 9km downstream from the Pundinya prospect to the southern margin of the tenement boundary (Figure 4). Priority targets outside of the Pundinya prospect are an interpreted drainage confluence 4km to the south west and a possible abandoned channel meander to the east as shown in Figure 4.

Further infill drilling is on track for next quarter and is designed to test for higher grade portions of the Pundinya prospect followed by step out drilling to test the priority targets and the remainder of the palaeochannel downstream.



Greg H. Solomon
Executive Chairman

The interpretations and conclusions reached in this report are based on current geological theory and the best evidence available to the authors at the time of writing. It is the nature of all scientific conclusions that they are founded on an assessment of probabilities and, however high these probabilities might be, they make no claim for complete certainty. Any economic decisions that might be taken on the basis of interpretations or conclusions contained in this report will therefore carry an element of risk.

The information in this announcement, insofar as it relates to Mineral Exploration activities, is based on information compiled by Michael J. Glasson, who is a members of the Australian Institute of Geoscientists, and who has more than five years experience in the field of activity being reported on. Mr Glasson is an employee of the company and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Glasson consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

It should not be assumed that the reported Exploration Results will result, with further exploration, in the definition of a Mineral Resource.

Table 1: Uranium (U₃O₈) Assay Results
 (based on 100ppm U₃O₈ cut off and minimum down hole thickness of 1m)

Hole_No.	East	North	Hole Depth	From	To	U ₃ O ₈	Interval	Av. Grade
			m	m	m	ppm	m	ppm U ₃ O ₈
W074	379296	6634614	54	49	50	129	3	166
				50	51	251		
				51	52	117		
W075	379202	6634595	54	50	51	119	3	113
				51	52	107		
W076	379107	6634604	51	47	48	153	3	135
				48	49	116		
W078	379402	6634404	54	39	40	123	1	123
W079	379346	6634417	57	48	49	166	5	854
				49	50	190		
				50	51	133		
				51	52	541		
				52	53	3240		
W080	379301	6634404	54	47	48	125	5	443
				48	49	137		
				49	50	77		
				50	51	1527		
				51	52	350		
				50	51	131	2	186
				51	52	242		
W082	379158	6634385	57	48	49	155	1	155
W083	379097	6634389	54	49	50	245	2	235
				50	51	224		
W084	379005	6634405	54	49	50	138	1	138
W086	379404	6634219	54	42	43	189	4	169
				43	44	264		
				44	45	78		
				45	46	144		
W087	379295	6634187	54	44	45	118	8	167
				45	46	140		
				46	47	253		
				47	48	244		
				48	49	118		
				49	50	190		
				50	51	174		
				51	52	101		
W088	379200	6634208	53	48	49	135	1	135
W089	379098	6634199	54	48	49	118	1	118
W091	378897	6634200	54	45	46	127	1	127
				48	49	144	1	144
W093	378795	6634008	51	45	46	102	2	106
				46	47	110		
				49	50	105	1	105
W095	379160	6634000	54	45	46	134	3	141
				46	47	179		
				47	48	110		
W096	379250	6634011	57	40	41	139	3	189

Table 1 contd.

Hole_No.	East	North	Hole Depth m	From m	To m	U ₃ O ₈ ppm	Interval m	Av. Grade ppm U ₃ O ₈
W096				41	42	267		
W096				42	43	160		
W097	379446	6634302	54	42	43	117	1	117
W097				45	46	111	1	111
W098	379395	6634301	54	44	45	107	1	107
W098				47	48	183	5	235
W098				48	49	298		
W098				49	50	296		
W098				50	51	272		
W098				51	52	127		
W099	379346	6634308	54	46	47	205	6	210
W099				47	48	306		
W099				48	49	308		
W099				49	50	108		
W099				50	51	98		
W099				51	52	233		
W100	379305	6634296	54	47	48	134	5	460
W100				48	49	214		
W100				49	50	214		
W100				50	51	1098		
W100				51	52	642		
W101	379240	6634300	54	47	48	122	1	122
W102	379442	6634505	54	46	47	141	3	169
W102				47	48	190		
W102				48	49	175		
W104	379467	6634603	57	42	43	126	10	134
W104				43	44	102		
W104				44	45	121		
W104				45	46	121		
W104				46	47	140		
W104				47	48	102		
W104				48	49	140		
W104				49	50	229		
W104				50	51	148		
W104				51	52	109		
W105	379454	6634699	57	43	44	251	1	251
W105				49	50	100	1	100
W105				51	52	104	1	104



Figure 1: Wynbring Project Location Plan

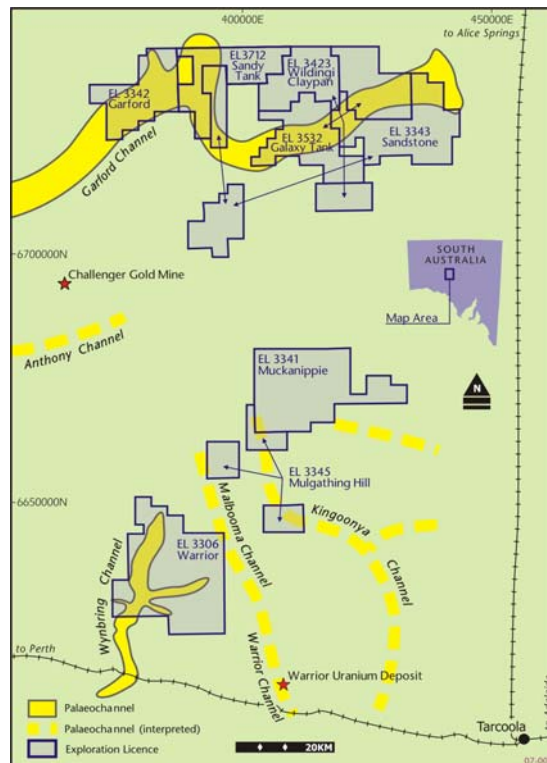


Figure 2: Wynbring and Garford Interpreted Palaeochannel Locations

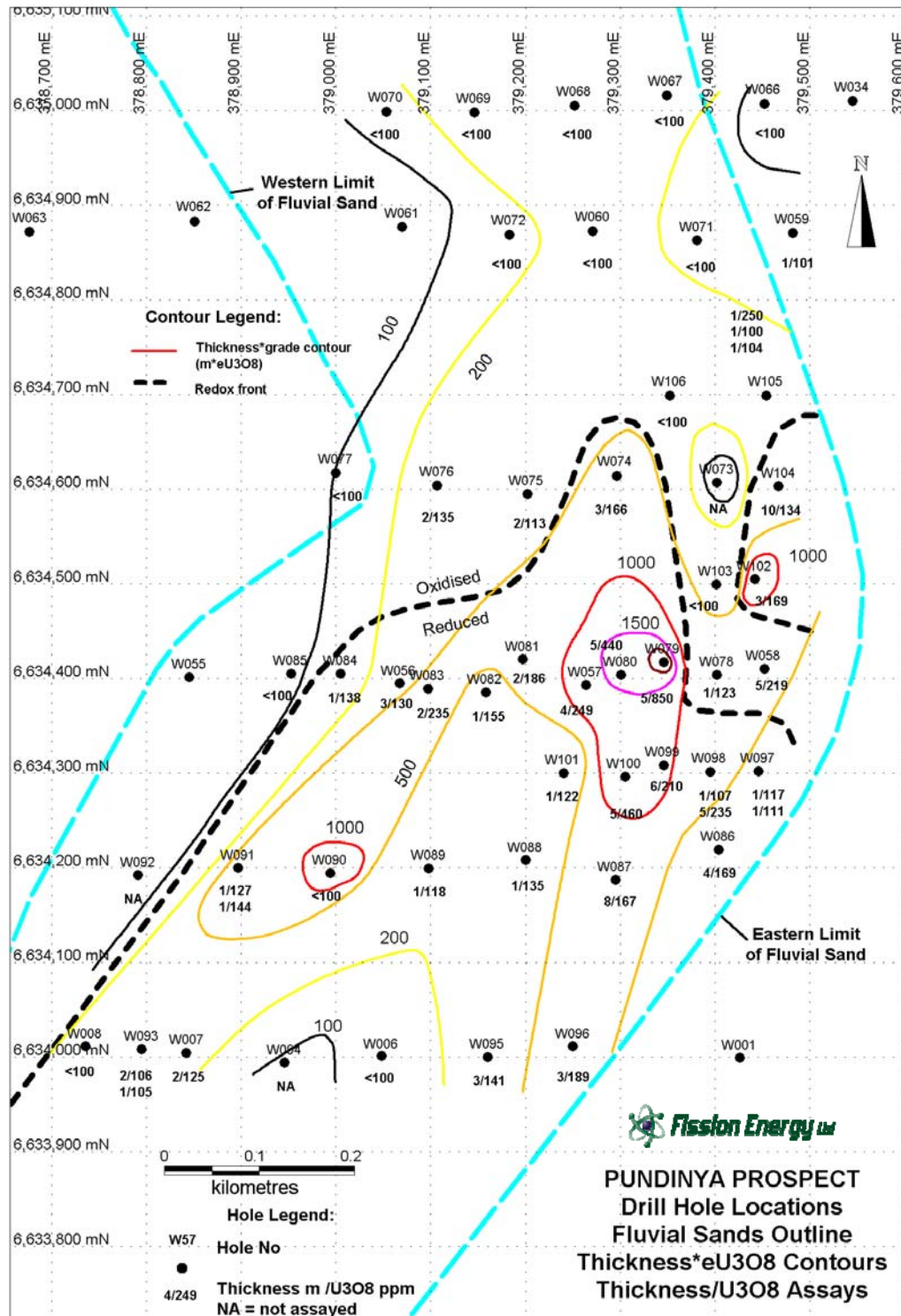


Figure 3: Drill Hole Locations, Interpreted Fluvial Channel, eU₃O₈ Thickness * Grade Contours and Thickness/ U₃O₈ Assay

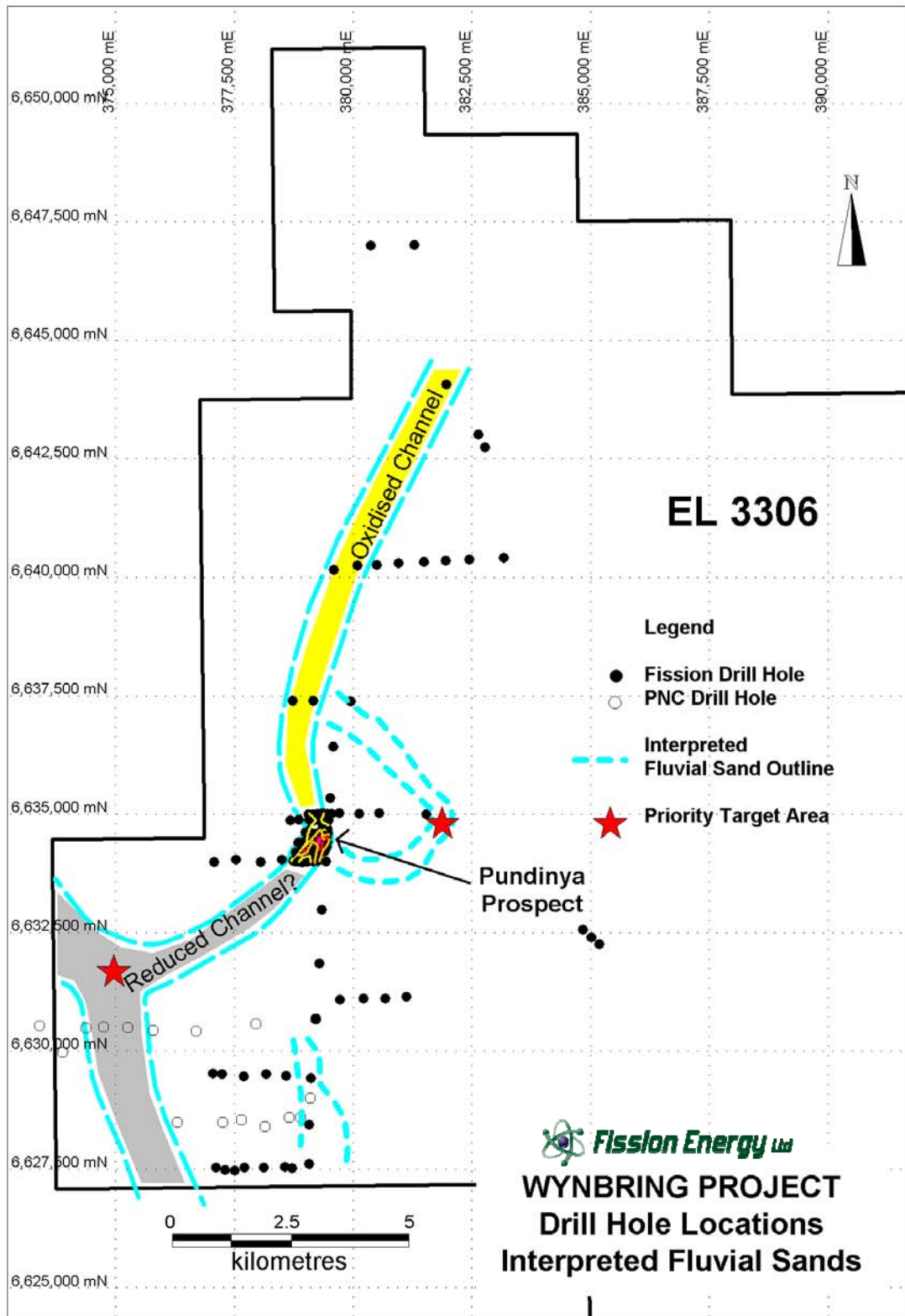


Figure 4: Drill Holes and Interpreted Fluvial Sand Locations