



ACN: 127 411 796

High grade gold at De Monchaux Creek

ANNOUNCEMENT

11 November 2010

HIGHLIGHTS

- **Rock chip assays confirm high grade gold at De Monchaux Creek;**
- **Gold values to 21.8g/t Au.**

NT Resources Ltd (ASX: NTR) is pleased to announce the assay results from reconnaissance rock chip sampling and mapping at the new De Monchaux Creek prospect 10km southeast of Frazers in the Acacia Project approximately 60 kilometres south of Darwin (Figure 1).

De Monchaux Creek Gold Prospect

Reconnaissance rock chip sampling and mapping has been completed over the De Monchaux Creek gold occurrence and confirmed **high grade gold to 21.8ppm Au (21.8g/t Au)**.

Regional sampling has also identified encouraging anomalous gold and base metal values, suggesting there is a large mineralised system with good regional potential for further discoveries (Figure 2). The anomalous gold samples are located in the highly prospective Whites Formation of the Pine Creek Geosyncline, host to uranium and base metal mineralisation. Gold mineralisation at De Monchaux Creek is associated with sulphidic gossans along faults and shears within the De Monchaux Creek anticline (Figure 2).

The gold and base metal assays of the fifty two samples collected by NTR are reported in Table 1. Figure 2 displays the results as colour coded gold assays. The gold assays ranged from 1ppb Au to 21.8ppm Au, some with anomalous arsenic. Anomalous zinc values were also reported.

Previous historical exploration further supports high grade gold mineralisation in the De Monchaux Creek prospect area with historical results up to 71ppm Au (71g/t Au). Historical rock chip assays and their locations were reported by Aztec Mining Company in 1992 in Open File Technical Reports to the Northern Territory Department of Resources. Twenty eight samples were collected from surface rock outcrops, with assays ranging from 0.01ppm to 71ppm Au.

Further research is underway to locate historical trenches and drill holes. The original site works were rehabilitated so the exact location of these trench and drill results is not certain. A programme of trenching is proposed to re-sample the historical site prior to the design of a drilling programme.

Director's Commentary

This exceptional start to the exploration programme at De Monchaux Creek confirms a gold focus at this tenement (EL27282). The Board confirms that follow up exploration will target gold mineralisation. The surrounding area (Pine Creek Geosyncline) hosts nearly half the known gold occurrences in the Northern Territory and provides strong evidence as to the potential for gold mineralisation. Further details on a follow up trenching and drill programme will be provided in the near future.

Richard Wolanski
Director



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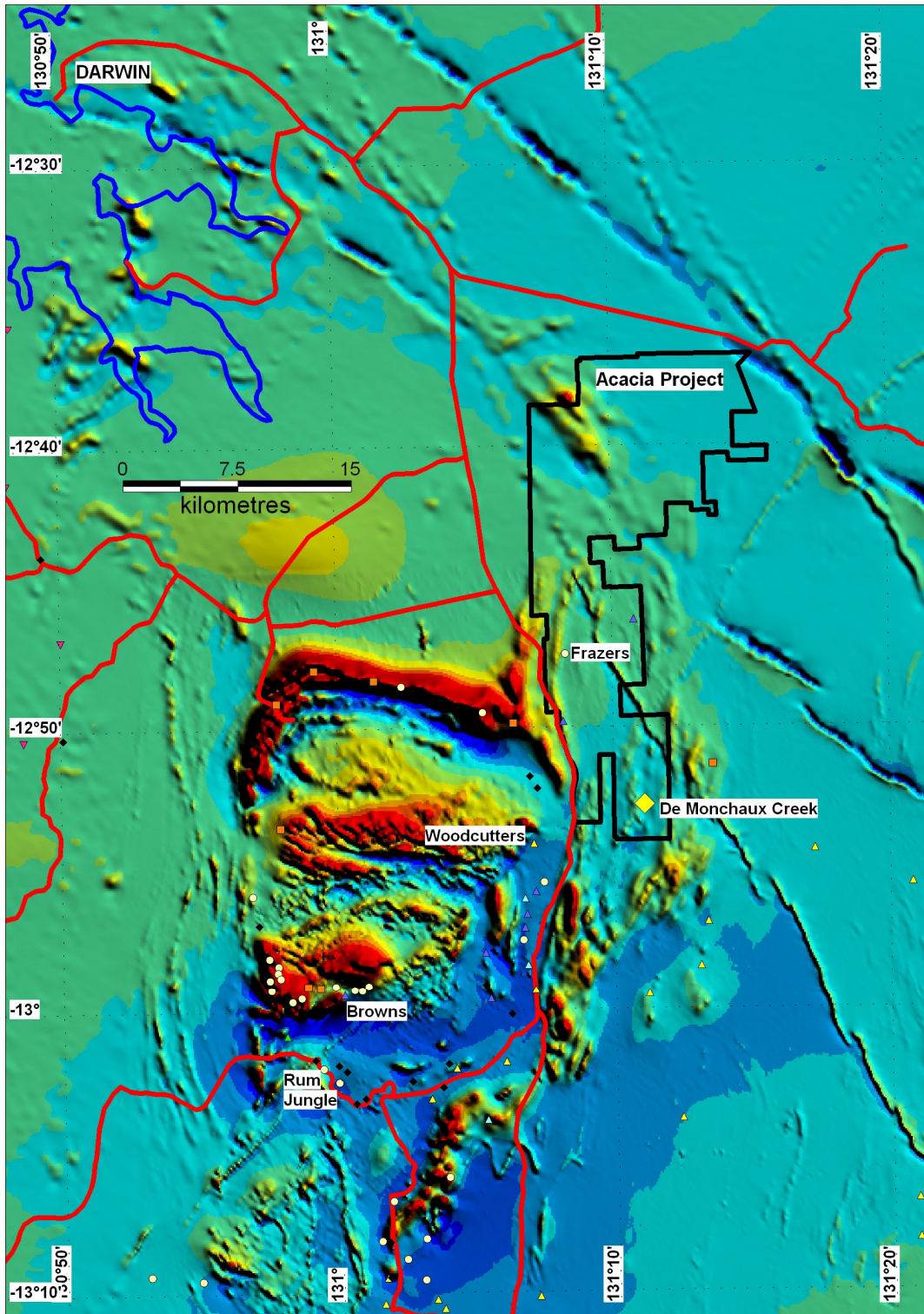


Figure 1: Location of the De Monchaux Creek prospect within the Acacia project area, showing mineral occurrences (yellow uranium, black phosphate, blue base metals) on a TMI magnetic image.

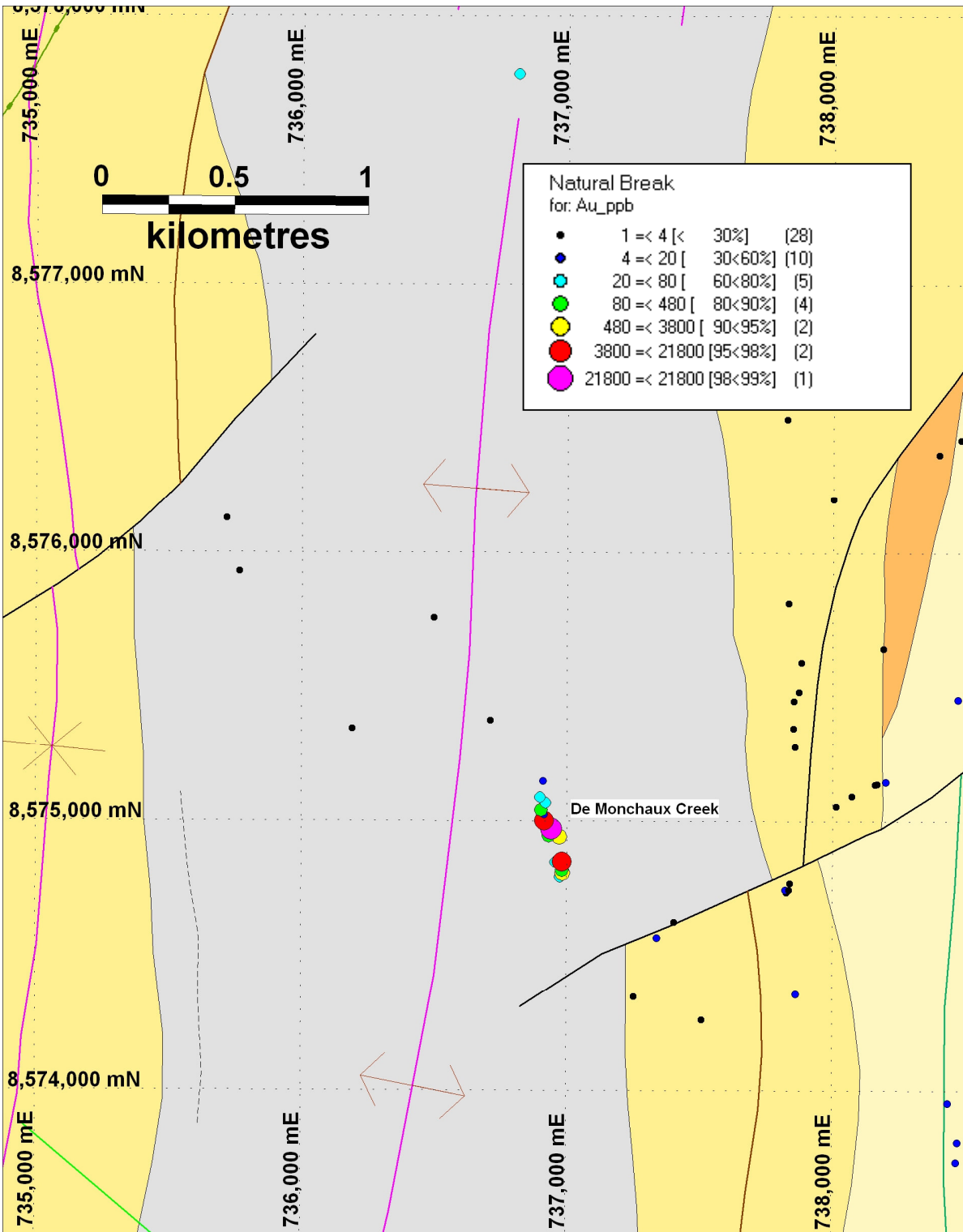


Figure 2: Location of rock chip samples at the De Monchaux Creek prospect colour coded for gold on a geology map showing the central Whites Formation in the core of the anticline.



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Table 1: Rock Chip Sample Assays from De Monchaux Creek Prospect

Sample No	Easting GDA94	Northing GDA94	Au ppb	Ag ppm	As ppm	Co ppm	Cu ppm	Ni ppm	P ppm	Pb ppm	U ppm	Zn ppm
15001	737960	8574897	1	0.1	77	2.05	24	16.8	420	4.8	2.8	32.5
15002	737536	8574785	1	0.1	119	5.15	30	29	920	7.4	3.1	52.5
15003	737473	8574726	5	0.25	251	19.6	255	151	1760	5.4	11	338
15004	737385	8574508	1	0.35	122	6.65	64.6	20.6	140	10.8	3.22	70
15005	737641	8574423	1	1	42.5	24.4	111	54.4	2120	8.4	2.38	222
15006	737995	8574519	4	0.2	155	11	79.4	85.8	2480	14	8.26	294
15007	737956	8574907	3	0.05	219	44	156	294	6320	10.8	10.2	885
15008	737972	8574930	<1	0.1	30.5	1.85	21.2	8.4	140	9.2	2.13	10
15009	737968	8574906	<1	0.2	29	3.2	27.2	21.6	460	8	1.77	50
15010	738600	8573898	3	0.15	285	79	63.6	77.1	3400	49.6	13	1710
15011	738605	8573970	5	0.1	541	92.3	87.2	833	4420	146	12.8	2420
15012	738568	8574116	3	<0.05	447	147	37.4	1190	6000	92.4	11.1	3050
15013	736843	8575537	<1	<0.05	111	9.5	38.8	30.4	300	22.8	3.82	25
15014	736631	8575918	<1	0.1	444	111	67.6	41.4	440	77.8	10.6	16
15015	735850	8576288	<1	0.1	58.5	8.45	29.4	30.4	320	3.8	2.14	60
15016	735898	8576089	<1	0.1	14	9.65	31.8	23.6	180	4.4	2.03	30.5
15017	736323	8575505	<1	<0.05	16.5	16.8	62.8	10.8	80	5.4	0.34	29
15018	738147	8575216	<1	<0.05	13	1.35	20.8	6.8	120	5.6	0.71	12
15019	738206	8575254	<1	0.15	166	28.9	840	205	920	36.4	8.95	411
15020	738293	8575297	<1	0.1	10	2.7	21	24.6	160	33	0.71	82
15021	738300	8575299	<1	0.1	37.5	20.5	77.8	200	1680	50.4	4.04	987
15022	738332	8575308	8	0.4	414	86.1	143	160	240	40	2.62	83
15023	738604	8575615	3	0.05	639	133	70.8	948	3780	54.4	9.48	3150
15024	738612	8576583	<1	0.3	14	0.9	10.8	10	200	5.4	1.05	10.5
15025	738530	8576527	<1	<0.05	17.5	12.5	8	68.6	340	4.4	1.2	142
15026	738322	8575804	<1	0.1	314	76.4	112	484	4000	22.4	6.21	555
15027	737991	8575437	<1	0.1	59	2.45	27	18.4	220	9.4	1.97	32
15028	737985	8575508	<1	0.05	8.5	0.6	12	2.6	40	7.4	0.58	6
15029	737987	8575609	<1	<0.05	10	0.55	3.4	4.4	20	1.4	0.49	2.5
15030	738006	8575644	<1	<0.05	31	4.75	43.4	23.6	180	15.6	1.3	92.5
15031	738015	8575753	<1	<0.05	3	0.75	3.2	5.2	40	2.4	0.93	9.5
15032	737965	8575972	<1	<0.05	4.5	0.25	5.4	1.2	40	3.6	0.4	10
15033	738011	8576999	<1	<0.05	2	0.35	1	3.4	20	0.8	0.47	2.5
15034	737958	8576659	<1	<0.05	2	2.55	12	25.2	40	3	1.51	31.5
15035	738134	8576360	<1	0.2	25	2.3	24.8	8.8	40	6.2	1.23	16.5
15036	736944	8577945	27	<0.05	3010	42.8	418	39.4	480	45.8	2.03	14.5
15037	738089	8578530	<1	0.15	29	0.75	15.2	4.2	60	3	0.95	6.5
15451	737108	8574953	20	0.15	300	2.3	10.2	3.4	40	70	2.77	12.5
15452	737116	8574969	900	2.5	88800	14	331	29.2	600	1730	9.55	85
15453	737115	8574977	280	0.85	32800	51.7	128	38.2	440	1070	4.95	142
15454	737090	8575008	20	0.85	864	0.8	12.6	10	40	46.8	0.42	12
15455	737115	8575010	3940	3.35	3500	19.6	781	77.8	280	1840	6.15	750
15456	737105	8575102	480	2.55	4190	14.9	428	35.8	260	308	5.57	137
15457	737065	8575105	160	3.75	811	10.2	125	19	120	615	1.26	113
15458	737074	8575132	21800	7.9	1200	23.7	101	37.2	300	242	3.99	119
15459	737062	8575157	80	1.6	541	4.9	188	23.8	160	180	2.77	68.5
15460	737048	8575162	3800	1.65	405	3.65	40.2	9.2	220	161	1.23	48.5
15461	737048	8575185	10	0.35	88.5	1.35	6	4.6	40	55.8	0.45	11
15462	737035	8575202	110	0.9	1110	7.2	140	21.6	320	410	3.74	64
15463	737053	8575228	30	0.15	15	0.8	6.6	3	<20	27.8	0.16	9.5
15464	737032	8575248	20	0.4	112	1.85	37	6	60	61.2	0.9	17.5
15465	737042	8575309	10	0.55	60.5	1.2	16.2	6.6	60	41.6	0.68	8.5

- Note:
1. Sample locations by hand held GPS, GDA94, MGA52
 2. Assays determined by Northern Territory Laboratories (NTEL) in Darwin
 3. Samples 15001 to 15037 - Au by graphite furnace (GF-AAS) methodology at 1ppb detection
 4. Samples 15451 to 15465 - Au by 30 gram fire assay with AAS finish at 0.01ppm detection then converted to ppb
 5. Other elements by four acid digest with ICP-MS and -OES finish
 6. Rock chip sample grades may not prove representative of deposits if and when they are delineated as mineral resources



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Background

NT Resources Limited (“NTR”) is a mining and exploration company whose prime focus is the definition and development of its uranium, base metal and gold prospects in the Northern Territory (Figure 3).

The Acacia tenements cover a significant portion of the under explored northern part of the Rum Jungle Mineral Field in the Pine Creek Orogen (Figure 4). There are a number of untested uranium, base metal and gold targets and the area is prospective for new discoveries. The Rum Jungle Mineral Field was a significant producer of uranium in unconformity-type and vein-style high grade deposits in the 1950’s and 1960’s (Table 1).

Table 1: Uranium Deposits in the Rum Jungle Mineral Field

Deposit Name	Ore tonnes	Grade U ₃ O ₈ %	U ₃ O ₈ tonnes
Whites	396,000	0.27	1,069.2
Dysons	157,000	0.34	533.8
Rum Jungle Creek South	663,500	0.43	2,853.0

Source: Independent Geological Report, Table 2, NT Resources Limited Prospectus 2009

The Ooratippra tenements cover a very large coincident gravity and magnetic anomaly that has never been drilled for Olympic Dam style copper-gold-uranium mineralisation in the Proterozoic basement below a cover sequence of sediments within the Georgina Basin. These sediments have recorded lead, zinc and silver mineralisation at surface within the tenements, suggestive of MVT (“Mississippi Valley Type”) base metal mineralisation, and are also prospective for phosphates and kimberlitic indicator minerals.

At Acacia, NT Resources Limited has a 100% interest in six granted Exploration Licences (EL24932, 25027, 26434, 27282, 27746 and 26777) and two Exploration Licence applications (ELA27349 and 27747) covering 490 km² located about 60 km south of Darwin. The Ooratippra tenements are located 300km south east of Tennant Creek, and consist of nine granted Exploration Licences (EL27568, 27626, and 27714 to 27720), and a Special Exploration Licence (SEL27526), together totalling 2,500km².

Competent Persons Statement

The information in this report that relates to exploration results is based on information compiled by Mr KA Rogers (Member of the Australian Institute of Geoscientists), Chief Geologist for NT Resources Limited. Mr Rogers has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that is being reported on to qualify as a Competent Person as defined in the 2004 Edition of the Australasian Code for Reporting of Mineral Resources and Ore Reserves. Mr Rogers consents to the inclusion in the report of the matters in the form and context in which it appears.



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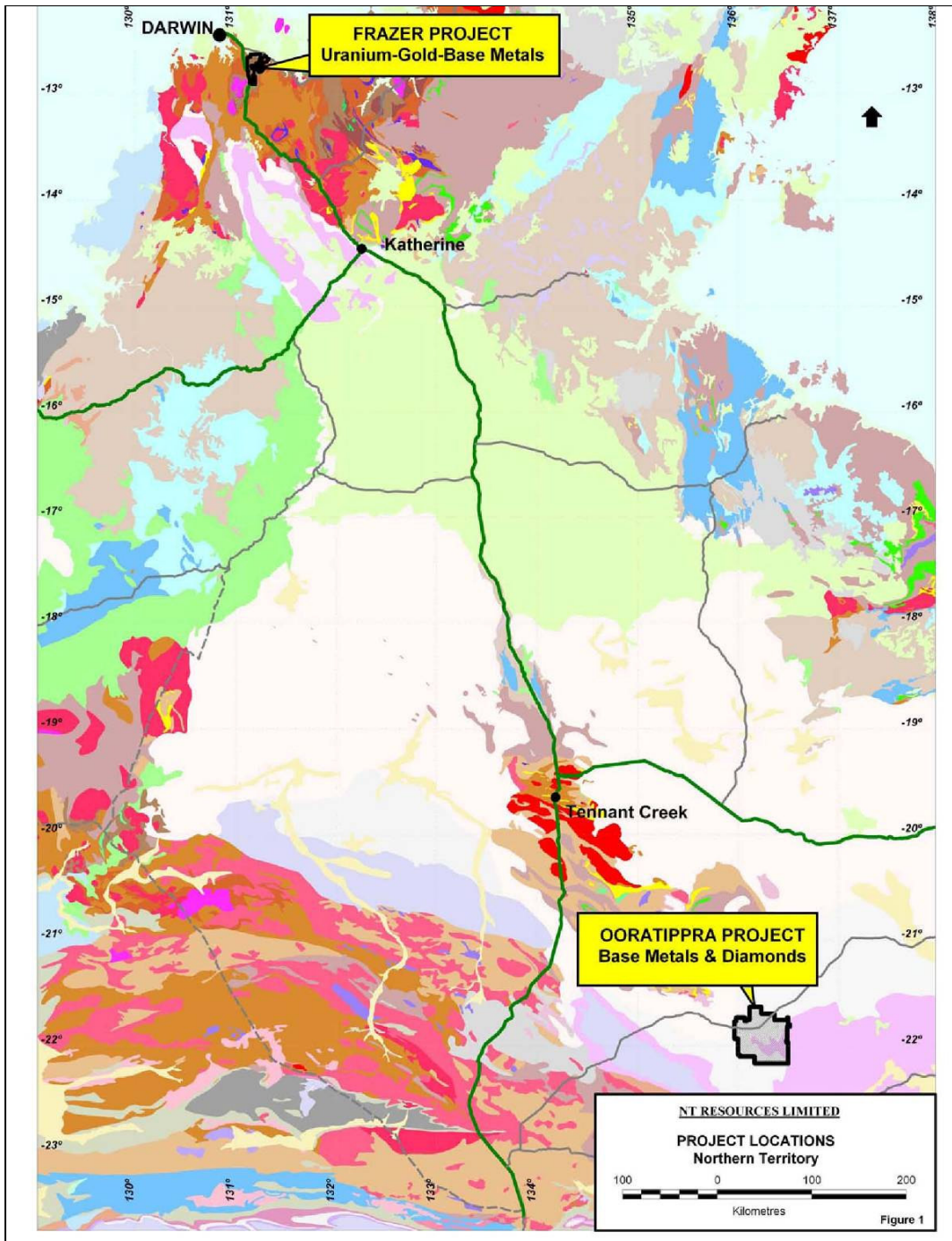


Figure 3: Location of NT Resources Limited project areas in the Northern Territory.



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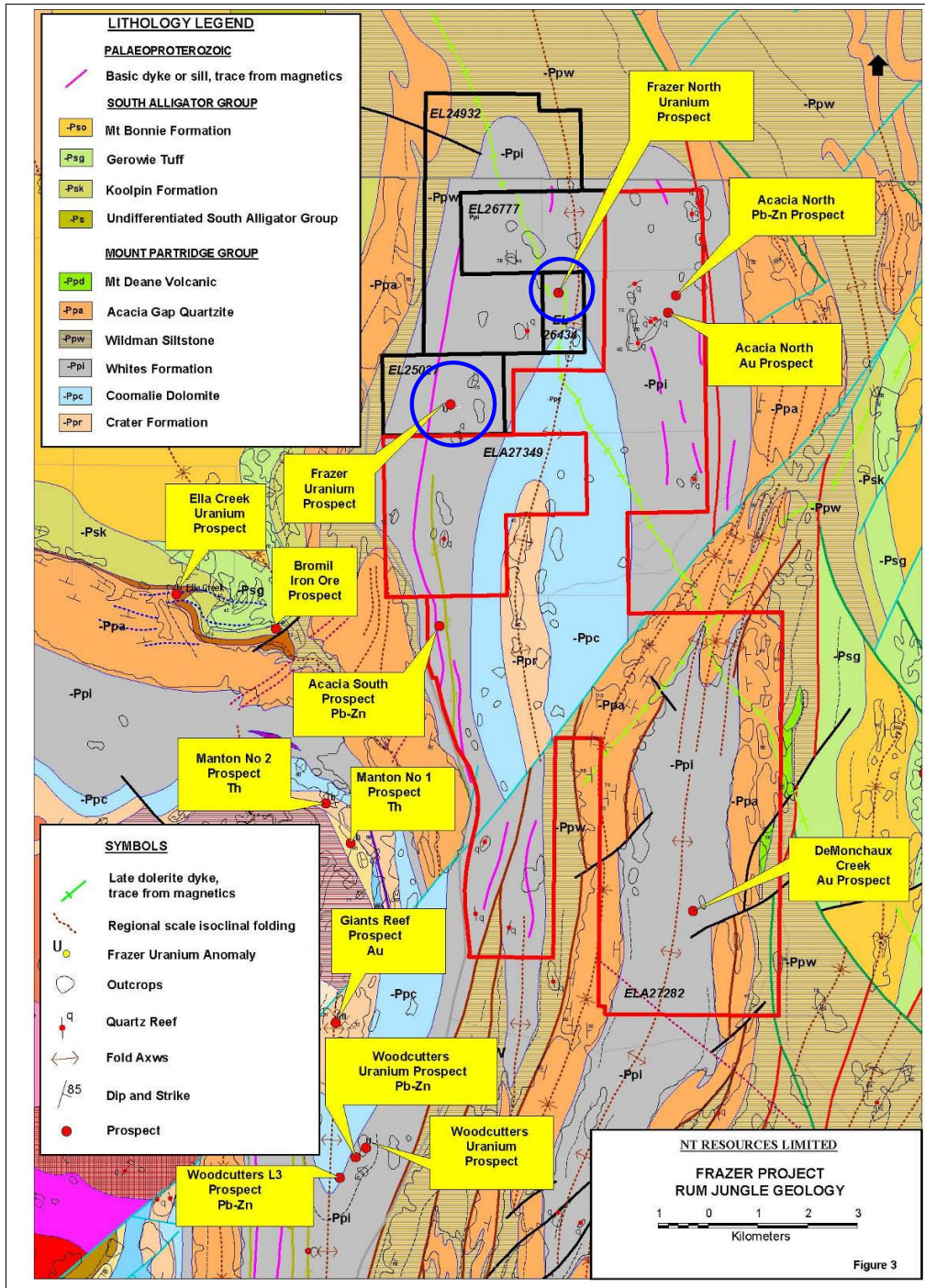


Figure 4: Acacia Project geology with uranium and base metal prospects and those immediately targeted (blue circles) for drilling on the granted EL's (black outlines). ELA's in red outline have been granted since production of this map.