CARPENTARIA GOLD PTY. LTD.

TECHNICAL REPORT

No. 159

TITLE	FIRST AND FINAL REPORT ON THE "AIRSTRIP CLAIMS" MCN 2632 AND MCN 2633, NORTHERN TERRITORY AUGUST 1990
ISSUING DEPARTMENT	EXPLORATION
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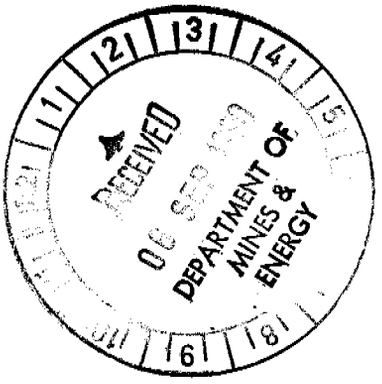
INVESTIGATIONS CONDUCTED BY	DARWIN STAFF OF CARPENTARIA GOLD PTY LTD
SUBMITTED BY	P. G. SIMPSON
DATE	AUGUST 1990



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DRAWING No. 32833

CARPENTARIA GOLD PTY LTD

FIRST AND FINAL REPORT ON THE "AIRSTRIP" CLAIMS,

MCN 2632 AND MCN 2633, NORTHERN TERRITORY : AUGUST 1990

1. INTRODUCTION AND SUMMARY

The "Airstrip" claims, MCN's 2632 and 2633, are located 1km south of the Arnhem Highway, about 80km ESE from Darwin, Northern Territory.

The claims were taken up to investigate minor gold mineralization in a quartz vein shown on the Mary River-Point stuart 1:100 000 scale BMR geology map. Five costeans were dug across the quartz vein in January 1989, but the best gold intersection was only 2m of 1.03 g/t Au, and the mineralization appeared very sparse. The trenches were filled in soon after the assay results were received, and the claims were surrendered on 24th May 1990.

2. LOCATION AND ACCESS

The claims are located 1km south of the Arnhem Highway, about 80km ESE from Darwin. They span a dirt road leading to the "Marrakai Springs" pastoral property, close beside an abandoned and overgrown airstrip which was built to service a roadworks camp during the construction of the Arnhem Highway.

The location is on the western margin of the 1:100 000 scale Mary River map sheet (5272), which in turn is part of the Darwin 1:250 000 scale map sheet (SD52-4).

3. TENURE

MCN's 2632 and 2633, each covering 20 hectares, were applied for on 30th June 1988 and granted on 2nd November 1988, for a term of five years. They were surrendered on 24th May 1990.

4. GEOLOGY

The target quartz vein is marked on the 1:100 000 scale Mary River-Point Stuart BMR geology map. It trends NNE and is hosted by the Wildman Siltstone, a formation within the Early Proterozoic Mount Partridge Group of the Pine Creek Geosyncline.

The reader is referred to the above map and its explanatory notes for a full account of the geology of the district.

5. PREVIOUS WORK

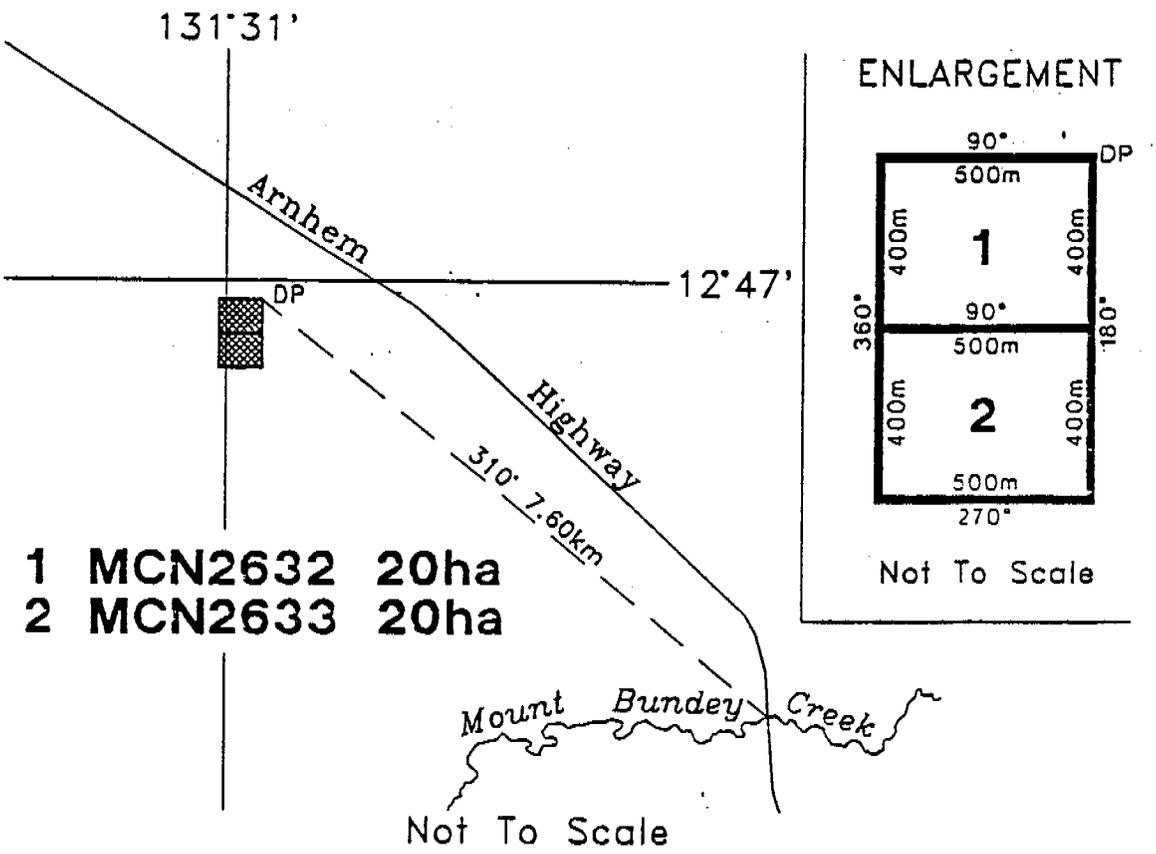
The area was held by Geopeko in the late sixties and early seventies under EL 142, which covered a very wide area.

Western Mining Corporation also held the area from 1985 to 1988 under EL4720, which initially covered 196km^2.

During the building of the Arnhem Highway, an airstrip was made where the claims were later pegged. The quartz vein shown on the 1:100 000 map was exposed in a gravel pit at the south end of the airstrip. It probably did not have a large natural outcrop, but would have been visible from the quartz scattered about on the surface.

LOCATION MAP

"AIRSTRIP CLAIMS" NT



6. WORK BY CARPENTARIA GOLD PTY LTD

It was known to Carpentaria that some roadside reconnaissance grab samples of the quartz from the gravel pit had assayed a few tenths of a gram of gold per tonne.

When WMC relinquished this part of EL 4720 in June 1988, Carpentaria pegged two 20 hectare claims, centred on the gravel pit. In January 1989, five costeans were dug across the quartz vein and its expected strike continuations. The costeans, totalling 220m, covered a strike length of 110m. They showed that the vein system was made up of a bunch of irregular white quartz veins with gossanous patches, with a width of 10 or more metres. The digging and wall sampling of these trenches was done with some difficulty, as it was then the middle of the wet season and the trenches would fill with water almost as soon as they were dug. A small pump was used to de-water some trenches while the sampling and geological sketching of the walls was carried out.

The excavator was left on site while the samples were being assayed. The best results was 2m at 1.03 g/t Au in costean No. 2. When the assays were received, it was judged that the quartz vein system only contained very sporadic and low gold values, and that it was not worth pursuing the veins any further along strike. The trenches were then filled in.

7. CONCLUSION

The accompanying drawing no. 32823 shows the layout of the costeans, geological mapping of the wall rocks, and the assay results for gold, silver, arsenic, copper, lead and zinc. All the samples were 2m channel samples. Arsenic, copper and lead results were often weakly anomalous, with values in the low to middle hundreds of ppm. Lead values of 1380 and 2300 ppm were obtained in costean No. 4.

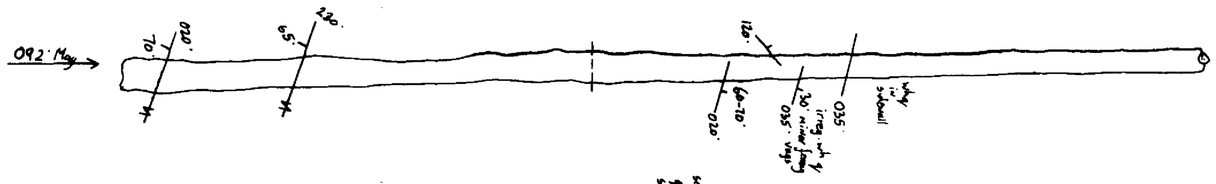
The gold mineralization encountered in the "Airstrip" claims costeans was found to be of low grade and very sporadic, and of a style similar to a number of other quartz reefs which Carpentaria has sampled in the district. Being of no economic significance, the claims were surrendered.

Peter Simpson

DRAWING

COSTEAN 1

PLAN :



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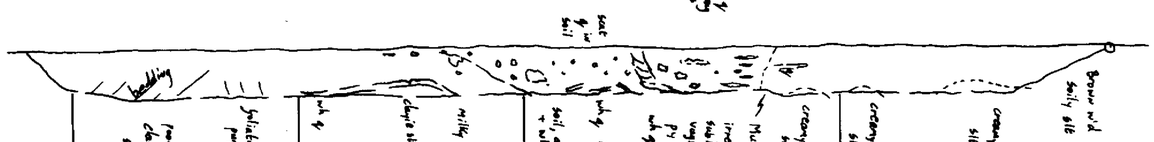
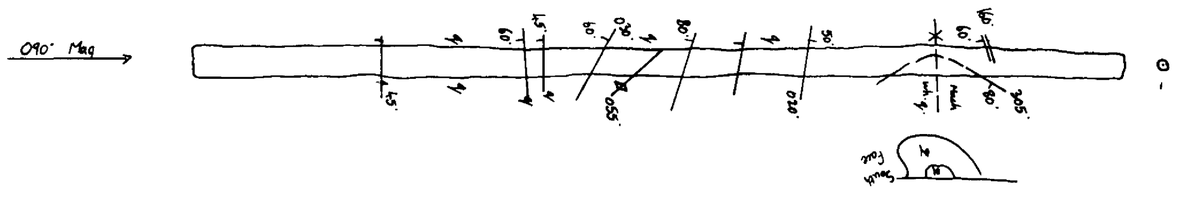


Q? Sample No.																				
		66241	240	239	238	237	236	235	234	233	232	231	230	229	228	227	226	225	224	223	222	221
Au	(g/t)	<0.01	<0.01	0.01	<0.01	0.01	0.02	0.02	0.04	0.03	0.04	0.03	0.25	0.09	0.13	0.05	0.11	0.04	0.04	0.03	0.04	0.08
Ag	(ppm)	<1	<1	<1	<1	<1	<1	<1	1	1	2	<1	<1	<1	2	1	<1	1	<1	<1	<1	<1
As	(ppm)	38	46	45	48	74	72	145	228	346	927	482	137	260	705	436	112	272	194	178	162	222
Cu	(ppm)	31	38	46	37	71	54	83	104	159	209	181	88	192	463	231	99	216	166	98	105	140
Pb	(ppm)	39	49	46	24	54	39	95	100	105	164	118	98	139	268	287	390	853	312	352	242	180
Zn	(ppm)	15	20	25	32	47	25	33	34	47	68	51	33	41	97	60	25	135	25	22	30	32

All samples on 2m apparent width except QP 66239 which has 4m apparent width.

COSTEAN 2

PLAN :



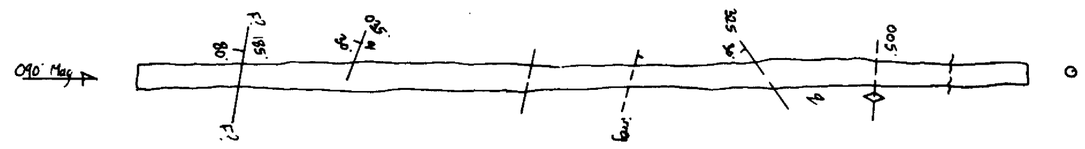
SECTION :

Q? Sample No																				
		66260	259	258	257	256	255	254	253	252	251	250	249	248	247	246	245	244	243	242
Au	g/t	0.01	0.02	0.01	0.01	0.02	0.05	0.07	0.14	0.57	1.03	0.42	0.11	0.40	0.04	0.04	0.03	0.03	<0.01	0.02
Ag	ppm	<1	<1	1	<1	<1	<1	<1	<1	1	2	2	1	3	3	1	<1	<1	<1	<1
As	ppm	91	136	197	147	142	65	130	209	326	559	367	236	400	328	172				
Cu	ppm	79	78	103	90	114	159	107	175	234	315	255	204	577	181	113	107	96	82	100
Pb	ppm	63	79	100	90	147	250	187	211	422	540	682	471	378	485	357	361	299	345	429
Zn	ppm	39	40	60	58	47	130	121	76	48	32	10	16	15	20	25	16	10	32	48

All samples on 2m apparent width

COSTEAN 3

PLAN :



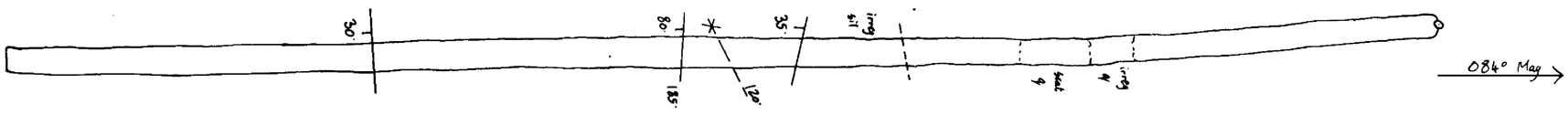
SECTION :

Sample No.	QP66---	278	277	276	275	274	273	272	271	270	269	268	267	266	265	264	263	262	261
Au	g/t	0.02	0.01	0.01	0.01	<0.01	0.02	0.04	0.02	0.03	0.03	0.04	0.16	0.03	0.11	0.02	0.01	0.02	0.03
Ag	ppm	<1	1	<1	<1	<1	<1	<1	<1	<1	2	2	<1	2	1	1	<1	<1	<1
As	ppm	167	195	318	61	51	67	74	89	181	200	295	279	340	376	328	222	71	102
Cu	ppm	128	135	254	46	20	35	25	32	60	96	119	127	179	91	84	56	17	53
Pb	ppm	82	146	366	61	34	35	38	70	73	108	161	149	169	157	145	225	168	356
Zn	ppm	101	163	643	36	30	25	25	31	56	79	111	104	70	45	71	63	20	24

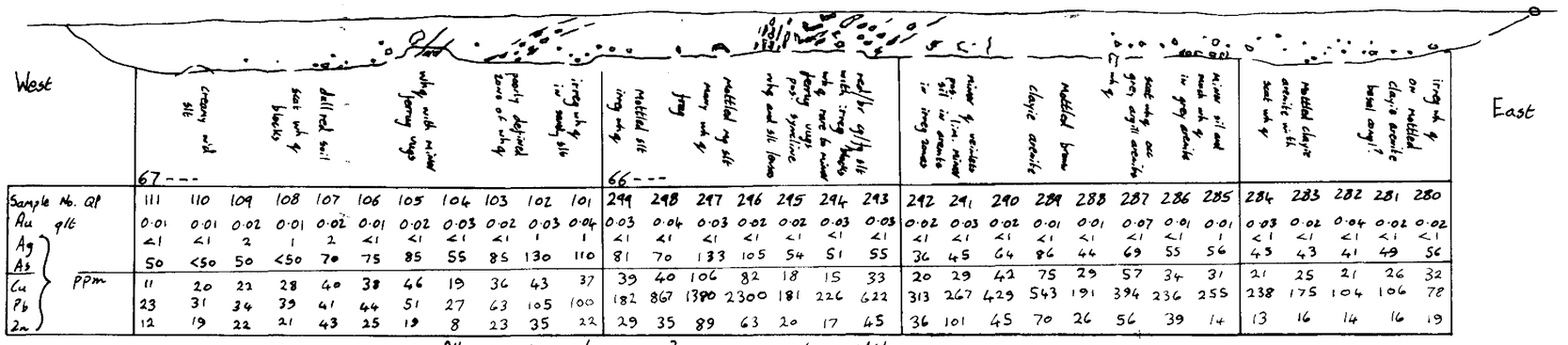
All samples have 2m apparent width

COSTEAN 4

PLAN :



SECTION

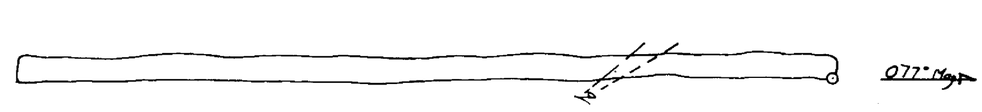


Sample No. QP	67---										66---																
		111	110	109	108	107	106	105	104	103	102	101	299	298	297	296	295	294	293	292	291	290	289	288	287	286	285	284	283	282	281	280
Au	g/t	0.01	0.01	0.02	0.01	0.02	0.01	0.02	0.03	0.02	0.03	0.04	0.03	0.04	0.03	0.02	0.02	0.03	0.03	0.02	0.03	0.02	0.01	0.01	0.07	0.01	0.01	0.03	0.02	0.04	0.02	0.02
Ag	ppm	<1	<1	2	1	2	<1	<1	<1	<1	1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1
As	ppm	50	<50	50	<50	70	75	85	55	85	130	110	81	70	133	105	54	51	55	36	45	64	86	44	69	55	56	43	43	41	49	56
Cu	ppm	11	20	22	28	40	38	46	19	36	43	37	39	40	106	82	18	15	33	20	29	42	75	29	57	34	31	21	25	21	26	32
Pb	ppm	23	31	34	39	41	44	51	27	63	105	100	182	867	1390	2300	181	226	622	313	267	429	543	191	394	236	255	238	175	104	106	78
Zn	ppm	12	19	22	21	43	25	19	8	23	35	22	29	35	89	63	20	17	45	36	101	45	70	26	56	39	14	13	16	14	16	19

All samples have 2m apparent width

COSTEAN 5

PLAN :



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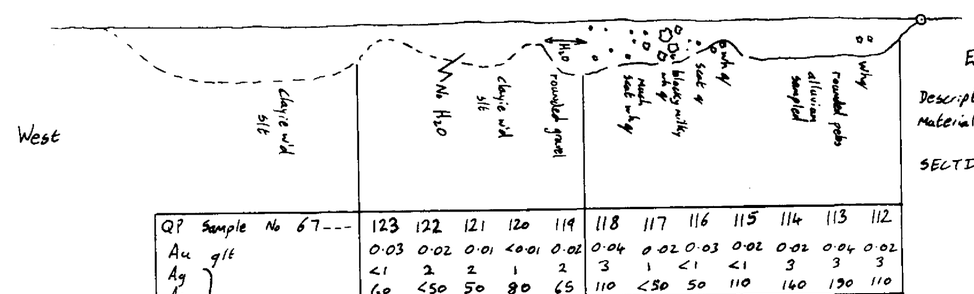
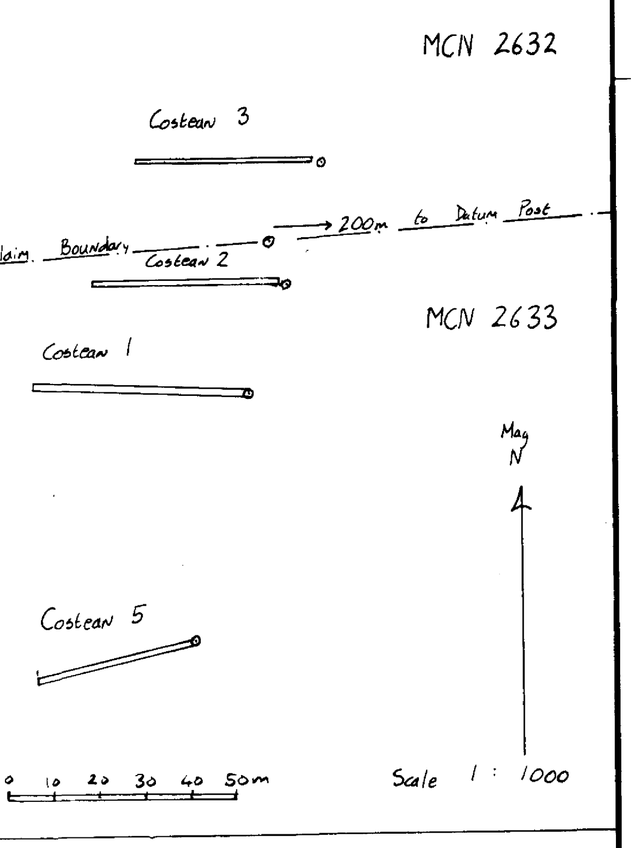


QP Sample No 67---		123	122	121	120	119	118	117	116	115	114	113	112
Au	g/t	0.03	0.02	0.01	<0.01	0.02	0.04	0.02	0.03	0.02	0.02	0.04	0.02
Ag	ppm	<1	2	2	1	2	3	1	<1	<1	3	3	3
As	ppm	60	<50	50	80	65	110	<50	50	110	140	190	110
Cu	ppm	47	24	28	61	34	44	16	11	36	49	80	35
Pb	ppm	64	42	42	77	120	38	9	21	105	135	145	130
Zn	ppm	45	12	16	31	10	37	8	6	32	20	75	14

All samples have 2m apparent width



ALL ANALYSES BY CLASSIC COMLABS, DARWIN
REPORTS 9DN 0021
9DN 0023
and 9DN 0037
Gold by Fire assay (FA1)
Other elements by code AAS 1/2

0 5 10 20 METRES

CR90/562

REVISION		SCALE 1:200	CARPENTARIA GOLD PTY. LTD.
Aug '90	AGS	GEO RDMW	AIRSTRIP CLAIMS
		DRAFT RDMW	MCN 2632 and 2633 N.T.
		DATE Jan 89	COSTEANS 1 to 5
		1 250 000 SD52-4	
		1 100 000 5272	
		MINING FIELD OR DISTRICT Northern Mineral Field N.T.	DRG No 32823