



Australian Government

Geoscience Australia

Ms Amy Dysart
Acting Executive Director
Water Resources
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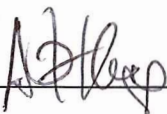
Dear Ms Dysart,

Letter of Agreement – Transfer of ownership of NT boreholes

Endorsement of this letter formalises the transfer of ownership of the boreholes listed in Attachment A from Geoscience Australia (GA) to the Northern Territory Department of Environment, Parks and Water Security (DEPWS). This transfer covers all aspects of ownership, including but not limited to, maintenance, installed equipment, land access and any future decommissioning of the boreholes, according to appropriate NT regulations. In addition, GA and DEPWS agree, in principle, to negotiate a Collaborative Agreement to support any ongoing collaborative work between GA and DEPWS in relation to the bores. Such an agreement will outline the conditions of access to GA.


As part of two collaborative projects between the Commonwealth of Australia and the Northern Territory government from August 2016 to June 2020, 34 new monitoring boreholes were drilled in the Northern Territory; 19 in the Keep River area, and 15 in the Southern Stuart Corridor Project area. The project agreements (PA001860 and PA003281) did not specify ownership of the boreholes upon completion of the projects. This Letter of Agreement confirms the transfer of ongoing ownership of the boreholes listed in Attachment A to DEPWS.

Drilling was undertaken as part of the Ord Stage 3 – Keep River (NT): Groundwater Investigation, Groundwater Salinity Hazard and Soil Suitability Assessment (PA001860: 2016-2019) and Southern Stuart Corridor–Exploring for the Future (PA003281: 2018-2020) projects. The projects were designed to improve the understanding of regional groundwater systems and processes to inform decisions relating to future development for agricultural expansion and community water supply across the two regions. The boreholes were established as new groundwater monitoring sites that have utility beyond the conclusion of these projects and are suitable for handover to the NT Government.



Dr Andrew Heap
Chief of Division
Mineral, Energy and Groundwater Division
Geoscience Australia

21/12/2020



Ms Amy Dysart
Acting Executive Director
Water Resources
Department of Environment, Parks and
Water Security (Northern Territory)

21/12/2020

ATTACHMENT A – LIST OF BOREHOLES

ENO	BOREHOLE	NT BORE HOLE	STATE	EASTING	NORTHING	PROJECT
635728	KR08	RN040873	NT	520144.8	8306294	PA001860
635729	KR21a	RN040879	NT	523301.5	8314854	PA001860
635921	KR21b	RN040781	NT	523321.5	8314869	PA001860
635730	KR22	RN040880	NT	523640	8316422	PA001860
635732	KR23	RN040782	NT	522411.7	8301369	PA001860
635733	KR30	RN040874	NT	501830.6	8295403	PA001860
635734	KR31	RN040877	NT	504915.9	8292361	PA001860
635735	KR33	RN040878	NT	505309.4	8293857	PA001860
635736	KR36	RN040783	NT	509392.8	8307934	PA001860
635737	KR38	RN040884	NT	507769.2	8299898	PA001860
635738	KR40	RN040883	NT	514310	8298828	PA001860
635739	KR45	RN040881	NT	500052	8295681	PA001860
635740	KR46	RN040882	NT	500053.1	8296644	PA001860
635741	KR48	RN040876	NT	500049.8	8295302	PA001860
635742	KR49	RN040875	NT	500054.3	8293768	PA001860
635743	KR50a	RN040872	NT	530360.1	8322489	PA001860
635744	KR50b	RN040780	NT	530338.1	8322497	PA001860
635745	KR51a	RN040871	NT	542732.9	8331311	PA001860
635746	KR51b	RN040870	NT	542730.5	8331304	PA001860
636116	SSC18-16	RN019454	NT	413153.2	7708039.8	PA003281
636117	SSC18-39	RN019453	NT	404996	7696734	PA003281
636119	SSC18-17A	RN019452	NT	394509.5	7690512.3	PA003281
636220	SSC18-62	RN019457	NT	401240.1	7690211.1	PA003281
636303	SSC18-23	RN019455	NT	388426	7681837.3	PA003281
636122	SSC18-35	RN019451	NT	405793	7680890	PA003281

ENO	BOREHOLE	NT BORE HOLE	STATE	EASTING	NORTHING	PROJECT
636219	SSC18-60	RN019456	NT	397022.9	7678551.3	PA003281
636118	SSC18-38	RN019450	NT	407576.1	7670934.7	PA003281
641105	SSC18-52	RN019679	NT	448360	7648436	PA003281
641107	SSC18-53	RN019681	NT	445215	7642267	PA003281
641106	SSC18-54	RN019680	NT	451844	7642240	PA003281
636124	SSC18-03	RN019449	NT	388655.7	7498014.6	PA003281
636300	SSC18-40	RN019674	NT	383684	7363570	PA003281
641104	SSC18-09A	RN019675	NT	391185.7	7362747.7	PA003281
636120	SSC18-41	RN019676	NT	412568.3	7360836.3	PA003281

THE NORTHERN TERRITORY OF AUSTRALIA
APPROVED FORM 21 (25/01/2011)
STATEMENT OF BORE
 As per Water Regulations (2009)

Name of Owner: <u>Geo Science Australia</u>				Registration No.: <u>RN 19456</u>			
Location/Address: <u>NT PORTION 3375</u> <u>21985 STUART HWY DAVENPORT</u>				BC Permit No: <u>BCP WDP 05982</u>			
Intended Use: <u>MONITOR BORE</u>							
GPS Location:		Zone: <u>GDA94</u>	Other: <input checked="" type="checkbox"/>	Specify:	Easting: <u>0397023</u>	Northing: <u>7678552</u>	

From	To	Particulars of Strata	Name of Drilling Company: <u>SILVER CITY DRILLING</u>
<u>0</u>	<u>6</u>	<u>Red Sands</u>	Name of Driller: <u>LEONARD ELBER</u>
<u>6</u>	<u>9</u>	<u>Silcreted Sand</u>	Name of supervising driller: <u>LEONARD ELBER</u>
<u>9</u>	<u>36</u>	<u>Lateritic Debris</u>	Date Commenced: <u>5/11/2018</u>
<u>36</u>	<u>83</u>	<u>Sandstone / Sand / Clay - WHITE</u>	Date Completed: <u>10/11/2018</u>
			Depth Drilled: <u>83</u> (m)
			Completion Depth: <u>83</u> (m)

METHOD OF DRILLING				
Other <input type="checkbox"/>	Auger <input type="checkbox"/>	Rev. Circ. <input type="checkbox"/>	Rotary Air <input type="checkbox"/>	Rotary Mud <input checked="" type="checkbox"/>
Specify:				

HOLE DIAMETER			DRILLING FLUID	
From (m)	To (m)	Dia. (mm)	Type	
<u>0</u>	<u>5.8</u>	<u>254</u>	<u>AIR</u>	
<u>5.8</u>	<u>83</u>	<u>204</u>	<u>MUD</u>	

PARTICULARS OF CASING				PARTICULARS OF PERFORATIONS OR SCREEN STRINGS			
From	To	Dia (ID)	Type	From	To	Dia (ID)	Aperture
<u>+1.0</u>	<u>5.8</u>	<u>206</u>	<u>STEEL</u>				
<u>+0.9</u>	<u>73</u>	<u>96</u>	<u>PV18PVC</u>				
<u>79</u>	<u>81</u>	<u>96</u>	<u>PV18PVC</u>	<u>73</u>	<u>79</u>	<u>96</u>	<u>0.8mm</u>
							<u>MACH-SLOT. DN100 PV18 PVC</u>

Casing Suspended: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Top of Packer Set at: <u>N/A</u> (m)
Method: <u>STEEL</u>	Length of Packer: <u>N/A</u> (m)
Height of Casing above GL: <u>PVC INSIDE</u>	Method of Packer Connection:
<u>1.0</u> (m)	
<u>0.9</u> (m)	

CEMENTING/GRAVEL PACKING			WATER BEARING BEDS							
From	To	Type	Depth (m)	Yield (L/s)	SWL (m)	Duration (hr)	Quality	EC	pH	Bottle No.
<u>0</u>	<u>5.8</u>	<u>CEMENT</u>	<u>MUD DRILLED</u>				<u>GOOD</u>	<u>223 µS</u>	<u>6.97</u>	
<u>67</u>	<u>70</u>	<u>BENT-PEL</u>								
<u>70</u>	<u>83</u>	<u>2mm Grv</u>								

STRATA / WATER SAMPLES	Completion Yield: <u>2</u> (L/s)	Method: <u>PUMPING</u>	Duration: <u>24</u> (hr)
Have been <input type="checkbox"/> Will be <input type="checkbox"/>	Completion SWL from GL: <u>30.4</u> (m)		Depth of Lift: <u>70</u> (m)
Left at: <u>N/A</u>			

NOTE: No company advertising is to be imprinted on this certificate apart from where requested.

(H)

LOCATION SKETCH OF BORE RN: 09456		LOCATION DESCRIPTION OF BORE														
<p>North ↑</p>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="3" style="text-align: right;">m/km</td> </tr> <tr> <td>NW <input type="checkbox"/></td> <td>North <input type="checkbox"/></td> <td>NE <input type="checkbox"/></td> </tr> <tr> <td>West <input type="checkbox"/></td> <td></td> <td>East <input type="checkbox"/></td> </tr> <tr> <td>SW <input type="checkbox"/></td> <td>South <input type="checkbox"/></td> <td>SE <input type="checkbox"/></td> </tr> </table> <p>HEAD SOUTH FROM NEUTRAL SULTON HAY FARM CENTRE PIVOT. AT THE "TEE" JUNCTION TURN RIGHT (WEST), GO PAST THE WINDMILL. AT THE FORK TURN RIGHT (WNW) THE ROAD WILL CURVE AROUND TO THE NORTH AND END AT RN 19456</p>			m/km			NW <input type="checkbox"/>	North <input type="checkbox"/>	NE <input type="checkbox"/>	West <input type="checkbox"/>		East <input type="checkbox"/>	SW <input type="checkbox"/>	South <input type="checkbox"/>	SE <input type="checkbox"/>
m/km																
NW <input type="checkbox"/>	North <input type="checkbox"/>	NE <input type="checkbox"/>														
West <input type="checkbox"/>		East <input type="checkbox"/>														
SW <input type="checkbox"/>	South <input type="checkbox"/>	SE <input type="checkbox"/>														
FINAL CONSTRUCTION STATUS																
Capped <input checked="" type="checkbox"/> Casing Pulled <input type="checkbox"/> Left for Obs. <input type="checkbox"/> Abandoned <input type="checkbox"/> Equipped <input type="checkbox"/> Backfilled <input type="checkbox"/> Other <input type="checkbox"/>																
ADDITIONAL INFORMATION ABOUT THE BORE: (Include any information which may assist for future reference)																
500 18 60																
<p>Note: The holder of the NT licence shall submit the form to the Department within 28 days of completion of any works.</p> <p>I certify that the information contained above is true and correct, and that I have complied with the bore licensing requirements and conditions of the Bore Construction Permit as issued if a Bore Construction Permit was required.</p>																
ROB SMITH & LLOYD STOCKMAN <i>Sub M Ch</i> 04007																
Name and licence number of driller:		Signature and licence number of licensed driller: Date: 13 / 11 / 2018														
FOR OFFICIAL USE ONLY																
How Located:		GPS <input checked="" type="checkbox"/> TST <input type="checkbox"/> Survey <input type="checkbox"/> Hand Plotted <input type="checkbox"/> Other <input type="checkbox"/>														
DESCRIPTION OF PROPERTY:																
Rural <input type="checkbox"/> Mineral <input type="checkbox"/> Pastoral <input checked="" type="checkbox"/> Reserve <input type="checkbox"/> VGL <input type="checkbox"/> Other <input type="checkbox"/>																
Lease No: 969 Lot No: Hundred of:																
Portion No: 3375 Section No: Town of:																
Class of Bore: Town <input type="checkbox"/> Domestic <input type="checkbox"/> Investigation <input checked="" type="checkbox"/> Agriculture <input type="checkbox"/> Mineral <input type="checkbox"/> Pastoral <input type="checkbox"/> Other <input type="checkbox"/>																
Use of Bore: Production <input type="checkbox"/> Investigation <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Observation <input type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Roads <input type="checkbox"/> None <input type="checkbox"/>																
Grid Reference: AMG <input checked="" type="checkbox"/> Clark <input type="checkbox"/> Zone: 53 Scale: 1:25000																
Easting: 397023 Latitude:		Map Name: BOWEN WELL														
Northing: 7678552 Longitude:		Index Map Number: 33/SF53-02 INDEX 314														
Date Registered: 30/11/18 Bore Plotted on the map? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																
Dept Officer: N. GIBBONS Signature: <i>NG</i>																
Remarks: RN 09456																