Table A-1: Construction scenario CS1 noise sources

Plant / equipment	Number of sources	Source Type	Source elevation ASL, m	Emission spectrum / Use per hour	Sound power level, overall and 1/1 octave band spectrum in dBA								
					Overall	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
4WD	5	Moving point	33.0	Light Vehicle / 100%	89	82	86	76	79	81	77	74	64
30 tonne excavator	6	Point	41.3	Excavator - 44 tonne / 100%	110	81	93	102	104	105	104	99	89
80 tonne excavator	2	Point	40.9	Excavator - 90 tonne / 100%	115	93	104	102	109	108	107	106	97
Backhoe	1	Point	39.5	Backhoe / 100%	96	76	78	83	89	91	89	88	77
Chainsaw	3	Point	39.6	Chainsaw / 100%	105	85	96	95	94	94	97	99	98
Dozer	4	Point	40.0	Dozer - CAT D8 / 100%	113	79	98	94	100	110	109	102	94
Dump truck	8	Moving point	34.5	Articulated dump truck / 100%	109	87	99	96	100	104	102	98	89
Front end loader	2	Point	40.5	Front End Loader - CAT 980 / 100%	112	77	93	100	100	108	106	103	93
Grader	2	Moving point	39.9	Grader / 100%	114	90	99	102	104	112	107	103	92
Roller	3	Moving point	40.2	Drum roller / 100%	108	74	87	100	103	102	99	92	81
Screen	2	Point	41.4	Concrete batch plant / 100%	115	101	105	105	109	108	107	106	95
Water truck	1	Moving point	34.5	Commercial truck @ 30 Km/hr / 100%	104	77	86	91	97	99	98	92	81
Woodchipper	1	Point	39.4	Mulcher / 100%	118	106	105	108	110	112	111	107	99
				Total noise emission	**127**	**109**	**114**	**116**	**119**	**122**	**121**	**117**	**109**

Table A-2: Construction scenario CS2 noise sources

Plant / equipment	Number of sources	Source Type	Source elevation ASL, m	Emission spectrum / use per hour	Sound power level, overall and 1/1 octave band spectrum in dBA								
					Overall	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
4WD	5	Moving point	33.0	Light Vehicle / 100%	89	82	86	76	79	81	77	74	64
Air compressor	2	Point	39.1	Compressor - 300 CFM / 100%	101	92	95	93	95	91	88	85	81
Concrete batch plant	1	Point	41.0	Concrete batch plant / 100%	115	101	105	105	109	108	107	106	95
Concrete mixer truck - discharging	1	Point	40.0	Concrete delivery mixing truck (discharging) / 100%	103	82	81	85	95	99	98	93	85
Concrete mixer truck - Idling	1	Point	39.6	Concrete delivery mixing truck (Idling) / 100%	99	79	83	84	90	94	95	89	78
Concrete mixer truck - moving	1	Moving point	40.3	Concrete delivery mixing truck (travelling) / 100%	102	77	85	90	95	98	97	91	79
Concrete pump and vibrator	1	Point	39.8	Concrete boom truck pumping / 50%	110	85	93	97	104	105	103	100	93
Crane	2	Point	41.3	Tracked mobile crane - 300 tonne / 50%	106	82	91	92	99	101	102	93	82
Dump truck	2	Moving point	34.5	Articulated dump truck / 100%	109	87	99	96	100	104	102	98	89
Grinder - 9 inch	8	Point	39.6	Grinder 9inch / 50%	106	60	66	72	81	98	98	103	101
Hammering	3	Point	39.0	Hammering / 250%	110	71	84	93	96	103	106	105	95
Hand-held hydraulic breaker	3	Point	38.9	Hand-held hydraulic breaker / 25%	121	84	93	106	112	116	115	112	114
Pile driver (percussive)	2	Point	43.5	SLR – Precast piling – Hydraulic hammer / 50%	117	84	94	101	114	111	107	104	97
Roller	3	Moving point	39.7	Drum roller / 100%	108	74	87	100	103	102	99	92	81
Saw cutter	1	Point	38.6	Saw cutter / 50%	115	63	91	97	105	103	106	112	109
Wacker packer	1	Point	38.2	Plate compactor / Wacker packer / 50%	105	78	89	94	98	100	98	95	87
Welding generator	2	Point	39.5	Welding Generator / 50%	105	77	84	86	93	98	95	91	87
				Total noise emission	**128**	**103**	**109**	**114**	**121**	**123**	**122**	**120**	**120**

Table A-3: Operational scenario OS1 noise sources

Plant / equipment	Description	Easting	Northing	ASL elevation, m	Source Type	Source dimension, length (m), or area (m^2)	Sound power level, overall and 1/1 octave band spectrum in dBA, 100% use								
							Overall	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
31-DT-60-0001A	POWER GAS TURBINE	302218.1	9186284.2	44.2	Industrial building	847	117	111	110	106	105	107	111	107	94
31-DT-60-0001B	POWER GAS TURBINE	302236.7	9186261.0	44.3	Industrial building	847	117	111	110	106	105	107	111	107	94
31-DW-30-0001	HYDRAULIC TURBINE	302405.6	9186383.7	40.3	Line	12	106	99	99	94	94	96	99	96	83
31-EA-21-0001	OVERHEAD STABILIZATION COLUMN CONDENSER	302549.2	9186502.5	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-21-0001	OVERHEAD STABILIZATION COLUMN CONDENSER	302551.7	9186504.5	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-25-0001	EXPORT CONDENSATE AIR COOLER	302553.0	9186497.3	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-25-0001	EXPORT CONDENSATE AIR COOLER	302555.5	9186499.3	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0001	AMINE REGENERATOR OVERHEAD CONDENSER	302387.1	9186435.9	64.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0001	AMINE REGENERATOR OVERHEAD CONDENSER	302383.8	9186433.5	64.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0001	AMINE REGENERATOR OVERHEAD CONDENSER	302399.1	9186414.7	64.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0001	AMINE REGENERATOR OVERHEAD CONDENSER	302406.4	9186412.0	64.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0001	AMINE REGENERATOR OVERHEAD CONDENSER	302403.1	9186409.6	64.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0001	AMINE REGENERATOR OVERHEAD CONDENSER	302399.0	9186421.7	64.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0001	AMINE REGENERATOR OVERHEAD CONDENSER	302395.6	9186419.3	64.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0001	AMINE REGENERATOR OVERHEAD CONDENSER	302402.5	9186417.1	64.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0001	AMINE REGENERATOR OVERHEAD CONDENSER	302394.6	9186426.2	64.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0001	AMINE REGENERATOR OVERHEAD CONDENSER	302387.7	9186428.4	64.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0001	AMINE REGENERATOR OVERHEAD CONDENSER	302391.1	9186430.8	64.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0001	AMINE REGENERATOR OVERHEAD CONDENSER	302380.3	9186438.1	64.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0001	AMINE REGENERATOR OVERHEAD CONDENSER	302383.6	9186440.5	64.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0001	AMINE REGENERATOR OVERHEAD CONDENSER	302391.2	9186423.8	64.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302486.3	9186402.5	59.3	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302512.3	9186422.9	59.5	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302514.6	9186419.8	59.5	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302488.6	9186399.5	59.3	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302471.2	9186391.1	59.2	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302478.8	9186391.5	59.3	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302476.4	9186395.1	59.3	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302507.5	9186419.4	59.5	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302519.2	9186423.2	59.5	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302502.4	9186415.4	59.4	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302504.7	9186412.4	59.4	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302516.9	9186426.2	59.5	Area	4	99	81	88	92	94	94	87	83	77

Plant / equipment	Description	Easting	Northing	ASL elevation, m	Source Type	Source dimension, length (m), or area (m^2)	Sound power level, overall and 1/1 octave band spectrum in dBA, 100% use								
							Overall	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
31-EA-30-0002	LEAN AMINE COOLER	302509.8	9186416.4	59.5	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302497.4	9186411.7	59.4	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302499.7	9186408.7	59.4	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302530.5	9186437.0	59.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302532.8	9186434.0	59.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302550.0	9186452.6	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302542.9	9186441.8	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302545.5	9186448.6	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302547.8	9186445.6	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302540.7	9186445.1	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302552.3	9186449.5	59.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302468.9	9186383.7	59.2	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302466.1	9186387.2	59.2	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302473.9	9186387.6	59.2	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302481.1	9186399.0	59.3	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302538.4	9186437.8	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302535.6	9186441.2	59.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0002	LEAN AMINE COOLER	302483.7	9186395.3	59.3	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0003	TREATED GAS COOLER	302429.5	9186383.6	64.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0003	TREATED GAS COOLER	302415.9	9186393.7	64.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0003	TREATED GAS COOLER	302425.8	9186380.8	64.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0003	TREATED GAS COOLER	302432.7	9186379.2	65.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0003	TREATED GAS COOLER	302429.5	9186376.6	64.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0003	TREATED GAS COOLER	302426.0	9186388.0	64.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0003	TREATED GAS COOLER	302419.3	9186389.7	64.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0003	TREATED GAS COOLER	302422.5	9186392.3	64.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0003	TREATED GAS COOLER	302422.5	9186385.1	64.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0003	TREATED GAS COOLER	302419.4	9186396.7	64.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0003	TREATED GAS COOLER	302412.6	9186397.6	64.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0003	TREATED GAS COOLER	302415.9	9186400.2	64.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0004	INLET AIR COOLER	302566.6	9186460.1	59.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0004	INLET AIR COOLER	302574.0	9186471.4	59.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0004	INLET AIR COOLER	302579.1	9186475.3	59.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0004	INLET AIR COOLER	302571.7	9186464.1	59.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0004	INLET AIR COOLER	302576.8	9186467.9	59.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0004	INLET AIR COOLER	302563.9	9186463.5	59.8	Area	4	99	81	88	92	94	94	87	83	77

Plant / equipment	Description	Easting	Northing	ASL elevation, m	Source Type	Source dimension, length (m), or area (m^2)	Sound power level, overall and 1/1 octave band spectrum in dBA, 100% use								
							Overall	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
31-EA-30-0004	INLET AIR COOLER	302581.8	9186471.8	59.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0004	INLET AIR COOLER	302569.0	9186467.5	59.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0004	INLET AIR COOLER	302604.8	9186495.4	60.1	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0004	INLET AIR COOLER	302602.5	9186487.9	60.1	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0004	INLET AIR COOLER	302599.7	9186491.4	60.1	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0004	INLET AIR COOLER	302607.5	9186491.8	60.1	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0004	INLET AIR COOLER	302589.7	9186483.9	60.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0004	INLET AIR COOLER	302592.6	9186480.0	60.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0004	INLET AIR COOLER	302594.8	9186487.4	60.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0004	INLET AIR COOLER	302597.6	9186483.9	60.1	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302408.9	9186336.9	58.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302429.6	9186358.7	59.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302432.6	9186355.4	59.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302401.8	9186336.9	58.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302404.6	9186333.3	58.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302406.2	9186340.3	58.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302434.0	9186362.1	59.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302420.8	9186351.5	58.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302410.7	9186343.8	58.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302413.5	9186340.3	58.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302423.7	9186348.2	58.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302425.3	9186355.0	58.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302428.2	9186351.8	58.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302395.7	9186326.4	58.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302392.8	9186330.1	58.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302438.2	9186365.3	59.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302436.6	9186358.4	59.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302441.1	9186362.0	59.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302400.2	9186330.1	58.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-30-0005	INTERCOOLER	302397.3	9186333.4	58.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0001	INTERCOOLER	302458.6	9186475.0	57.1	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0001	INTERCOOLER	302452.8	9186469.9	57.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0001	INTERCOOLER	302480.5	9186492.1	57.2	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0001	INTERCOOLER	302486.3	9186497.3	57.3	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0002	AG COMPRESSOR 1ST STAGE COOLER	302447.4	9186477.4	57.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0002	AG COMPRESSOR 1ST STAGE COOLER	302480.8	9186504.9	57.2	Area	4	99	81	88	92	94	94	87	83	77

Plant / equipment	Description	Easting	Northing	ASL elevation, m	Source Type	Source dimension, length (m), or area (m^2)	Sound power level, overall and 1/1 octave band spectrum in dBA, 100% use								
							Overall	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
31-EA-31-0002	AG COMPRESSOR 1ST STAGE COOLER	302475.0	9186499.7	57.2	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0002	AG COMPRESSOR 1ST STAGE COOLER	302453.2	9186482.6	57.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0003	AG COMPRESSOR 2ND STAGE COOLER	302441.7	9186484.7	57.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0003	AG COMPRESSOR 2ND STAGE COOLER	302475.2	9186512.1	57.2	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0003	AG COMPRESSOR 2ND STAGE COOLER	302469.3	9186507.0	57.1	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0003	AG COMPRESSOR 2ND STAGE COOLER	302447.5	9186489.8	57.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0004	AG COMPRESSOR 3RD STAGE COOLER	302433.5	9186497.6	58.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0004	AG COMPRESSOR 3RD STAGE COOLER	302466.3	9186521.4	59.1	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0004	AG COMPRESSOR 3RD STAGE COOLER	302465.7	9186515.0	59.1	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0004	AG COMPRESSOR 3RD STAGE COOLER	302469.3	9186517.4	59.1	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0004	AG COMPRESSOR 3RD STAGE COOLER	302462.7	9186518.9	59.1	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0004	AG COMPRESSOR 3RD STAGE COOLER	302440.1	9186496.1	58.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0004	AG COMPRESSOR 3RD STAGE COOLER	302436.5	9186493.7	58.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0004	AG COMPRESSOR 3RD STAGE COOLER	302437.1	9186500.0	58.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0005	OFF GAS AIR COOLER 1ST STAGE	302546.5	9186505.8	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0005	OFF GAS AIR COOLER 1ST STAGE	302549.4	9186508.1	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0006	OFF GAS AIR COOLER 2ND STAGE	302547.3	9186510.5	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0006	OFF GAS AIR COOLER 2ND STAGE	302544.3	9186508.3	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0007	ELK COMPRESSION AIR COOLER	302667.1	9186443.1	61.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0007	ELK COMPRESSION AIR COOLER	302663.4	9186440.7	61.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0007	ELK COMPRESSION AIR COOLER	302657.8	9186455.0	62.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0007	ELK COMPRESSION AIR COOLER	302660.4	9186444.5	61.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0007	ELK COMPRESSION AIR COOLER	302660.9	9186451.0	62.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0007	ELK COMPRESSION AIR COOLER	302657.2	9186448.6	61.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0007	ELK COMPRESSION AIR COOLER	302664.1	9186446.9	61.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0007	ELK COMPRESSION AIR COOLER	302669.5	9186432.7	61.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0007	ELK COMPRESSION AIR COOLER	302675.8	9186431.7	61.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0007	ELK COMPRESSION AIR COOLER	302673.2	9186429.1	61.8	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0007	ELK COMPRESSION AIR COOLER	302673.2	9186435.1	61.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0007	ELK COMPRESSION AIR COOLER	302654.1	9186452.6	62.0	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0007	ELK COMPRESSION AIR COOLER	302670.2	9186439.2	61.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-31-0007	ELK COMPRESSION AIR COOLER	302666.5	9186436.8	61.9	Area	4	99	81	88	92	94	94	87	83	77
31-EA-41-0001	PROPANE LOOP AFTERCOOLER	302558.5	9186408.6	59.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-41-0001	PROPANE LOOP AFTERCOOLER	302556.3	9186406.8	59.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-41-0002	PROPANE LOOP CONDENSER	302544.2	9186425.2	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-41-0002	PROPANE LOOP CONDENSER	302549.7	9186409.8	59.6	Area	4	99	81	88	92	94	94	87	83	77

Plant / equipment	Description	Easting	Northing	ASL elevation, m	Source Type	Source dimension, length (m), or area (m^2)	Sound power level, overall and 1/1 octave band spectrum in dBA, 100% use								
							Overall	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
31-EA-41-0002	PROPANE LOOP CONDENSER	302540.2	9186422.0	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-41-0002	PROPANE LOOP CONDENSER	302543.5	9186417.8	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-41-0002	PROPANE LOOP CONDENSER	302547.5	9186420.9	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-41-0002	PROPANE LOOP CONDENSER	302553.7	9186413.0	59.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-41-0002	PROPANE LOOP CONDENSER	302554.5	9186409.1	59.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-41-0002	PROPANE LOOP CONDENSER	302556.8	9186411.1	59.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-41-0002	PROPANE LOOP CONDENSER	302546.4	9186414.1	59.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-41-0002	PROPANE LOOP CONDENSER	302550.4	9186417.2	59.7	Area	4	99	81	88	92	94	94	87	83	77
31-EA-72-0001	HOT WATER DUMP COOLER	302371.5	9186309.0	58.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-72-0001	HOT WATER DUMP COOLER	302376.2	9186317.1	58.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-72-0001	HOT WATER DUMP COOLER	302378.5	9186314.5	58.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-72-0001	HOT WATER DUMP COOLER	302369.2	9186311.6	58.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-72-0001	HOT WATER DUMP COOLER	302372.8	9186314.5	58.6	Area	4	99	81	88	92	94	94	87	83	77
31-EA-72-0001	HOT WATER DUMP COOLER	302375.1	9186311.9	58.6	Area	4	99	81	88	92	94	94	87	83	77
31-KA-31-0001	HOT WATER DUMP COOLER	302481.3	9186443.3	42.3	Area	273	118	92	98	105	112	114	111	107	101
31-KA-31-0002	OFF GAS COMPRESSOR	302511.8	9186526.6	43.4	Line	15	116	90	96	103	110	112	109	105	99
31-KA-31-0004	ELK COMPRESSOR	302651.2	9186411.8	43.7	Line	13	115	89	95	102	109	111	107	103	98
31-KA-41-0001	ELK COMPRESSOR	302559.4	9186402.7	44.6	Line	9	116	90	96	103	110	112	108	104	99
31-PA-01-0002	ELK COMPRESSOR	302248.2	9186165.7	40.2	Point	-	96	54	66	83	91	91	88	84	76
31-PA-21-0002	JOCKEY PUMP	302521.6	9186525.1	42.0	Point	-	101	59	71	88	96	96	92	88	81
31-PA-24-0002	CONDENSATE REFLUX PUMP	302612.2	9186597.2	41.1	Point	-	98	57	69	86	94	94	90	86	79
31-PA-24-0003	CONDENSATE OFF SPEC TRANSFER PUMP	302603.5	9186590.4	41.0	Point	-	98	57	69	86	94	94	90	86	79
31-PA-24-0004	WATER TRANSFER PUMP	302607.8	9186593.8	41.1	Point	-	98	57	69	86	94	94	90	86	79
31-PA-25-0001A	CONDENSATE EXPORT PUMP	302536.0	9186537.6	42.6	Point	-	101	59	71	88	97	97	93	89	81
31-PA-25-0001B	CONDENSATE EXPORT PUMP	302539.3	9186533.2	42.6	Point	-	101	59	71	88	97	97	93	89	81
31-PA-28-0003	CONDENSATE EXPORT PUMP	302220.0	9186356.7	39.0	Line	6	104	62	74	91	99	99	95	91	84
31-PA-30-0001A	AMINE ABSORBER FEED PUMP	302394.2	9186372.3	47.7	Line	8	108	66	78	95	103	103	99	95	88
31-PA-30-0001B	AMINE ABSORBER FEED PUMP	302400.4	9186377.3	47.7	Line	8	108	66	78	95	103	103	99	95	88
31-PA-30-0002	AMINE ABSORBER FEED PUMP	302376.0	9186425.8	41.0	Point	-	98	57	69	86	94	94	90	86	79
31-PA-30-0003A	AMINE CIRCULATION PUMP	302373.6	9186470.1	41.5	Line	4	101	59	71	88	96	96	92	88	81
31-PA-30-0003B	AMINE CIRCULATION PUMP	302377.7	9186473.3	41.5	Line	4	101	59	71	88	96	96	92	88	81
31-PA-30-0004A	AMINE BOOSTER PUMP	302480.9	9186373.9	42.3	Line	4	100	58	70	87	95	95	91	87	80
31-PA-30-0004B	AMINE BOOSTER PUMP	302486.1	9186367.5	42.3	Line	4	100	58	70	87	95	95	91	87	80
31-PA-30-0005A	SEMI LEAN AMINE PUMP	302395.1	9186442.9	41.7	Line	4	101	59	71	88	96	96	92	88	81
31-PA-30-0005B	SEMI LEAN AMINE PUMP	302399.2	9186446.2	41.7	Line	4	101	59	71	88	96	96	92	88	81
31-PA-30-0006	SEMI LEAN AMINE PUMP	302489.0	9186348.6	41.6	Point	-	98	56	68	85	93	93	89	85	78

Plant / equipment	Description	Easting	Northing	ASL elevation, m	Source Type	Source dimension, length (m), or area (m^2)	Sound power level, overall and 1/1 octave band spectrum in dBA, 100% use								
							Overall	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
31-PA-30-0007A	RICH AMINE PUMPAROUND PUMP	302366.0	9186426.8	41.0	Point	-	99	57	69	86	94	94	91	86	79
31-PA-30-0007B	RICH AMINE PUMPAROUND PUMP	302361.6	9186423.7	40.9	Point	-	99	57	69	86	94	94	91	86	79
31-PA-30-0009	TEG DRAIN PUMP	302457.7	9186536.4	39.5	Point	-	96	55	67	84	92	92	88	84	77
31-PA-30-0012	TEG DRAIN PUMP	302369.5	9186413.6	41.0	Point	-	98	57	69	86	94	94	90	86	79
31-PA-31-0001	WASH WATER PUMP	302445.1	9186476.2	41.5	Point	-	96	54	66	83	92	92	88	84	76
31-PA-31-0002	AG COMPRESSION CONDENSATE TRANSFER PUMP	302511.2	9186516.9	41.9	Point	-	96	54	66	83	91	91	87	83	76
31-PA-31-0005	OFF GAS SCRUBBER 1ST STAGE PUMP	302430.5	9186498.2	41.9	Line	5	105	79	85	92	99	101	98	94	88
31-PA-32-0001	AG HP INJECTION PUMP	302524.7	9186381.2	41.9	Point	-	97	55	67	84	93	93	89	85	77
31-PA-32-0002	MEG DRAIN PUMP	302546.6	9186359.4	39.7	Point	-	96	54	66	83	92	92	88	84	76
31-PA-41-0001	MEG DRAIN PUMP	302581.8	9186379.9	39.9	Point	-	95	54	66	82	91	91	87	83	75
31-PA-53-0001	PROPANE TRANSFER PUMP	302611.5	9186466.0	42.5	Point	-	96	54	66	83	92	92	88	84	76
31-PA-53-0002	PWT OFF SPEC PUMP	302609.1	9186464.1	42.5	Point	-	96	54	66	83	92	92	88	84	76
31-PA-53-0003	OIL RECOVERY VESSEL RECIRCULATION PUMP	302614.5	9186477.2	42.6	Point	-	96	54	66	83	92	92	88	84	76
31-PA-53-0004	OIL RECOVERY VESSEL RECIRCULATION PUMP	302612.0	9186480.2	42.6	Point	-	96	54	66	83	92	92	88	84	76
31-PA-53-0005	CLEAN WATER TRANSFER PUMP	302610.9	9186481.8	42.6	Point	-	96	54	66	83	92	92	88	84	76
31-PA-53-0006	CLEAN WATER TRANSFER PUMP	302322.3	9186247.6	40.8	Point	-	98	56	68	85	93	93	89	85	78
31-PA-54-0001A	PWRI PUMP	302617.6	9186470.8	42.6	Point	-	96	54	66	83	92	92	88	84	76
31-PA-54-0001B	PWRI PUMP	302618.7	9186471.9	42.6	Point	-	96	54	66	83	92	92	88	84	76
31-PA-54-0002	TERTIARY PWT FEED PUMP	302615.2	9186468.9	42.6	Point	-	96	54	66	83	92	92	88	84	76
31-PA-70-0001	TERTIARY PWT FEED PUMP	302526.3	9186378.3	41.9	Point	-	96	54	66	83	92	92	88	84	76
31-PA-71-0001	LP FUEL GAS DRUM PUMP	302245.7	9186168.8	40.2	Point	-	97	55	68	84	93	93	89	85	77
31-PA-71-0002	DIESEL LOADING PUMP	302240.7	9186160.4	40.1	Point	-	96	54	66	83	91	91	88	84	76
31-PA-72-0001A	HOT WATER CIRCULATION PUMPS	302354.1	9186216.7	41.1	Line	5	102	60	72	89	98	98	94	90	82
31-PA-72-0001B	HOT WATER CIRCULATION PUMPS	302348.9	9186222.8	41.2	Line	5	102	60	72	89	98	98	94	90	82
31-PA-72-0002	HOT WATER CIRCULATION PUMPS	302319.3	9186251.7	40.7	Point	-	98	56	68	85	93	93	89	85	78
31-PA-85-0001	HOT WATER MAKE-UP PUMP	302321.6	9186322.3	40.7	Point	-	98	56	68	85	93	93	89	85	78
31-PC-30-0001	UTILITIES POTABLE WATER PUMP	302392.7	9186300.0	39.2	Point	-	96	54	66	83	91	91	88	83	76
31-PC-32-0001	FRESH TEG PUMP	302387.8	9186306.3	39.2	Point	-	96	54	66	83	91	91	88	83	76
31-PR-30-0001	FRESH MEG PUMP	302379.5	9186421.2	41.1	Point	-	97	55	67	84	92	92	88	84	77
31-PS-28-0001	WATER MAKE-UP PUMP	302359.0	9186340.0	39.0	Point	-	97	55	67	84	93	93	89	85	77
31-PS-28-0002	CLOSED DRAIN PUMP	302276.9	9186415.5	39.8	Area	151	109	67	79	96	104	104	100	96	89
31-PS-32-0002	AMINE MAKE-UP DRUM PUMP	302484.6	9186355.3	40.2	Point	-	100	58	70	87	95	95	91	87	80
31-UA-07-0001A	AIR COMPRESSOR PACKAGE	302311.3	9186332.5	51.1	Point	-	108	66	78	95	103	103	100	96	88
31-UA-07-0001B	AIR COMPRESSOR PACKAGE	302316.2	9186326.5	51.2	Point	-	108	66	78	95	103	103	100	96	88
31-UA-07-0001C	AIR COMPRESSOR PACKAGE	302321.4	9186319.8	51.2	Point	-	108	66	78	95	103	103	100	96	88
31-UA-07-0001D	AIR COMPRESSOR PACKAGE	302326.3	9186313.4	51.3	Point	-	108	66	78	95	103	103	100	96	88

Plant / equipment	Description	Easting	Northing	ASL elevation, m	Source Type	Source dimension, length (m), or area (m^2)	Sound power level, overall and 1/1 octave band spectrum in dBA, 100% use								
							Overall	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
31-UB-74-0001	AIR COMPRESSOR PACKAGE	302317.3	9186323.4	41.2	Area	108	113	71	83	100	108	108	105	100	93
31-UG-30-0001	ACID GAS DEHYDRATION AND TEG REGENERATION PACKAGE	302463.1	9186522.2	43.1	Area	98	113	71	83	100	109	109	105	101	93
31-UG-32-0001	MEG REGENERATION PACKAGE	302511.7	9186406.5	41.5	Area	77	113	71	84	100	109	109	105	101	93
31-UI-30-0001	AGRU ANTIFOAM INJECTION PACKAGE	302376.6	9186391.1	39.6	Area	25	108	66	79	95	104	104	100	96	88
31-UI-75-0001	FLOCCULANT INJECTION PACKAGE	302501.8	9186403.5	40.4	Line	4	106	64	77	93	102	102	98	94	86
31-UI-75-0003	OXYGEN SCAVENGER INJECTION PACKAGE	302505.1	9186405.8	40.5	Line	4	106	64	77	93	102	102	98	94	86
31-UI-75-0004	BIOCIDE INJECTION PACKAGE	302626.9	9186460.5	41.0	Line	4	101	59	72	88	97	97	93	89	81
31-UI-75-0004	BIOCIDE INJECTION PACKAGE	302624.3	9186450.9	40.9	Line	4	101	59	72	88	97	97	93	89	81
31-UI-75-0005	CORROSION INHIBITOR INJECTION PACKAGE	302623.8	9186458.1	41.0	Line	4	106	64	77	93	102	102	98	94	86
31-UI-75-0006	SCALE INHIBITOR INJECTION PACKAGE	302621.1	9186448.4	40.9	Line	4	101	59	72	88	97	97	93	89	81
31-UI-75-0007	ANTIFOAM INJECTION PACKAGE	302627.4	9186453.3	41.0	Line	4	101	59	72	88	97	97	93	89	81
31-UI-75-0008	DEMULSIFIER INJECTION PACKAGE	302630.6	9186455.8	41.0	Line	4	101	59	72	88	97	97	93	89	81
31-UI-75-0009	BIOCIDE INJECTION PACKAGE FOR POTABLE WATER	302345.3	9186307.5	39.4	Line	4	106	64	77	93	102	102	98	94	86
31-UI-75-0010	DECHLORINATION INJECTION PACKAGE	302354.5	9186212.5	39.1	Line	4	106	64	77	93	102	102	98	94	86
31-UI-75-0011	OXYGEN SCAVENGER INJECTION PACKAGE	302357.6	9186215.0	39.1	Line	4	106	64	77	93	102	102	98	94	86
31-UI-75-0012	CORROSION INHIBITOR INJECTION PACKAGE FOR HOT WATER	302360.8	9186217.5	39.1	Line	4	106	64	77	93	102	102	98	94	86
31-UI-75-0013	PH CONTROL INJECTION PACKAGE	302363.9	9186219.9	39.1	Line	4	106	64	77	93	102	102	98	94	86
31-UI-75-0014	COAGULANT INJECTION PACKAGE	302620.5	9186455.6	41.0	Line	4	101	59	72	88	97	97	93	89	81
31-UK-53-0001	PW FLOTATION UNIT	302604.7	9186473.5	48.1	Line	6	108	67	79	95	104	104	100	96	88
31-UQ-53-0001	DEMINERALIZED WATER PACKAGE	302354.1	9186222.3	47.2	Area	25	104	62	74	91	100	100	96	92	84
31-UZ-07-0001	DEMINERALIZED WATER PACKAGE	302330.7	9186306.9	41.3	Line	5	101	60	72	89	97	97	93	89	82
31-UZ-36-0002	FGRS PACKAGE	302335.7	9186588.4	28.3	Area	20	107	65	77	94	102	102	99	95	87
31-UZ-53-0001	OXYGEN GENERATOR	302615.2	9186474.0	48.1	Point	-	106	64	76	93	101	101	98	93	86
31-UZ-53-0001	OXYGEN GENERATOR	302607.4	9186467.8	48.0	Point	-	106	64	76	93	101	101	98	93	86
31-UZ-53-0005	DEOXYGENATION TOWER	302349.8	9186228.3	47.2	Area	25	109	67	79	96	105	105	101	97	89
31-UZ-70-0001	HP FG TREATMENT PACKAGE	302538.2	9186378.8	41.4	Area	53	111	70	82	98	107	107	103	99	91
31-UZ-70-0002	LP FG TREATMENT PACKAGE	302532.2	9186373.9	41.3	Area	53	111	70	82	98	107	107	103	99	91
Stack Turbine	ULTRAFILTRATION	302229.4	9186267.0	57.6	Area	8	104	95	93	95	96	99	97	90	76
Stack Turbine	ULTRAFILTRATION	302210.7	9186290.8	57.5	Area	8	104	95	93	95	96	99	97	90	76
Stack Turbine	ULTRAFILTRATION	302361.1	9186274.2	98.5	Area	8	104	95	93	95	96	99	97	90	76
Stack Turbine	ULTRAFILTRATION	302372.2	9186260.0	98.4	Area	8	104	95	93	95	96	99	97	90	76
VALVES	ULTRAFILTRATION	302399.1	9186390.7	44.7	Area	4960	116	72	80	87	91	104	112	113	104
						Total noise emission	**128**	**115**	**115**	**117**	**123**	**123**	**121**	**118**	**110**

Table A-4: OS2 and OS3 flare noise sources

Plant / equipment	Description	Easting	Northing	ASL elevation, m	Source Type	Source dimension, m (line) / m^2 (area)	Sound power level, overall and 1/1 octave band spectrum in dBA, 100% use								
							Overall	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Flare 2a (OS2-1)	357.8 tonne/hr (VDI 3732 calculation)	302207.0	9186630.0	165.5	Point	-	155	150	146	140	155	150	147	143	137
Flare 2a (OS2-2)	449.6 tonne/hr (VDI 3732 calculation)					-	157	152	148	142	157	152	149	145	139
Flare 3a (OS2-1)	357.8 tonne/hr (VDI 3732 calculation)	302428.0	9186997.0	173.2	Point	-	155	150	146	140	155	150	147	143	137
Flare 3a (OS2-2)	449.6 tonne/hr (VDI 3732 calculation)					-	157	152	148	142	157	152	149	145	139

Appendix B Noise Contour Maps

Papua LNG CPF Relocation

Noise Impact Assessment

Papua LNG Development Pty Ltd

SLR Project No.: 620.040581.00002

19 Jun 2024



Customer:
Papua LNG Development Pty Ltd
Project: Papua CPF LNG Relocation
SLR Project: 620.040581.00001

SLR

Figure B-1: CPF LNG, Construction Scenario CS1
Neutral Noise Propagation Conditions
Noise Contour map at 1.8m above the Ground

NSR 2 not shown (located left of the Image)

Project engineer: Rodrigo Olavarria
Created: 12/03/2024
Processed with SoundPLAN 8.2, Update 20/06/2023

$L_{Aeq,T}$, dBA

- 35
- 40
- 45
- 50
- 55 Daytime Limit
- 60
- 65
- 70
- 75
- 80
- 85
- 90
- 95

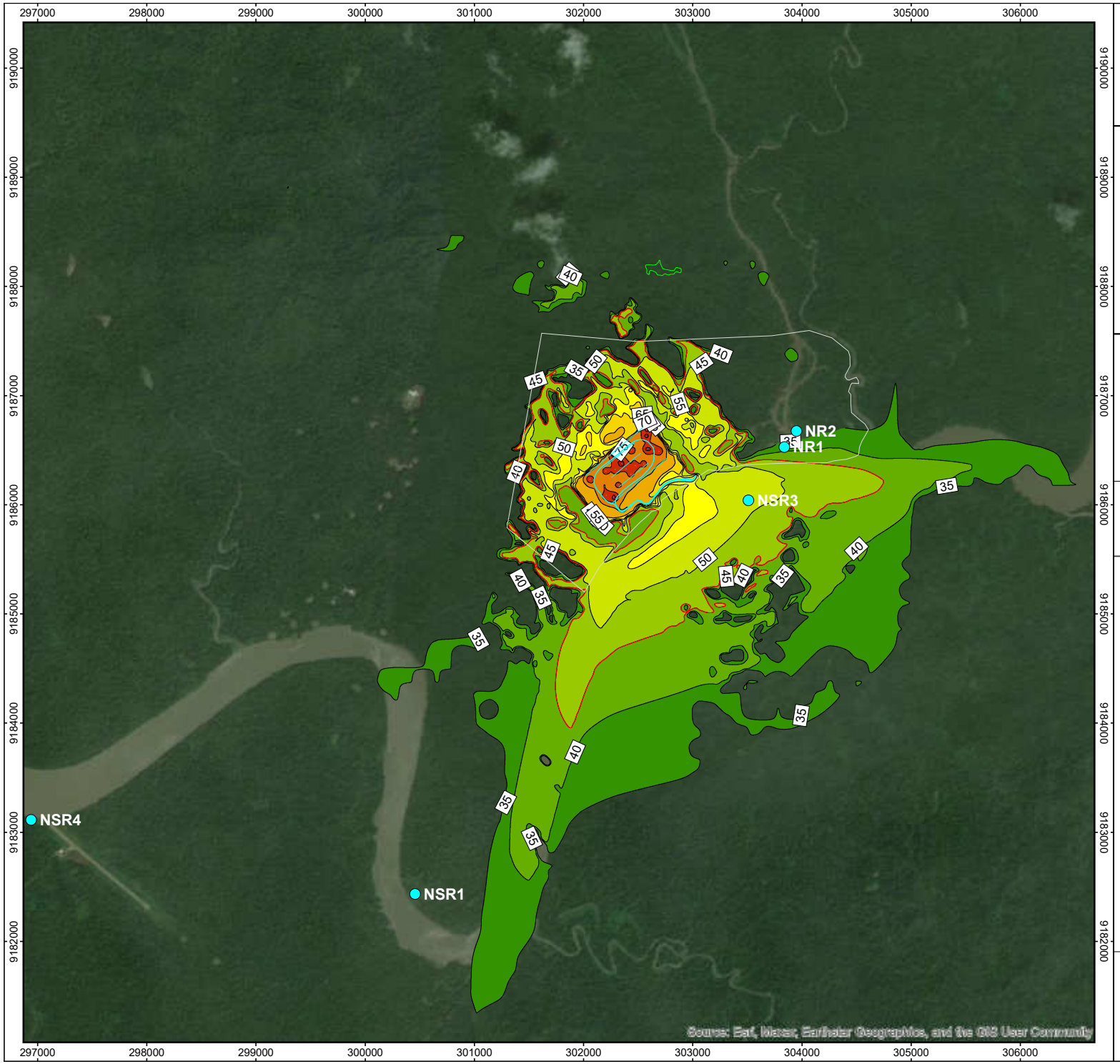
Signs and symbols

- Point receiver
- Point source
- Area Source
- Line source
- Night -time 45 dBA Limit
- CPF-P3 boundary

N

Length scale 1:35000

0 300 600 1200 1800 2400 m



Customer:
Papua LNG Development Pty Ltd
Project: Papua CPF LNG Relocation
SLR Project: 620.040581.00001

SLR

Figure B-2: CPF LNG, Construction Scenario CS1
Enhanced Noise Propagation Conditions
Noise Contour map at 1.8m above the Ground

NSR 2 not shown (located left of the Image)

Project engineer: Rodrigo Olavarria
Created: 18/03/2024
Processed with SoundPLAN 8.2, Update 20/06/2023

$L_{Aeq,T}$, dBA

- 35
- 40
- 45
- 50
- 55 Daytime Limit
- 60
- 65
- 70
- 75
- 80
- 85
- 90
- 95

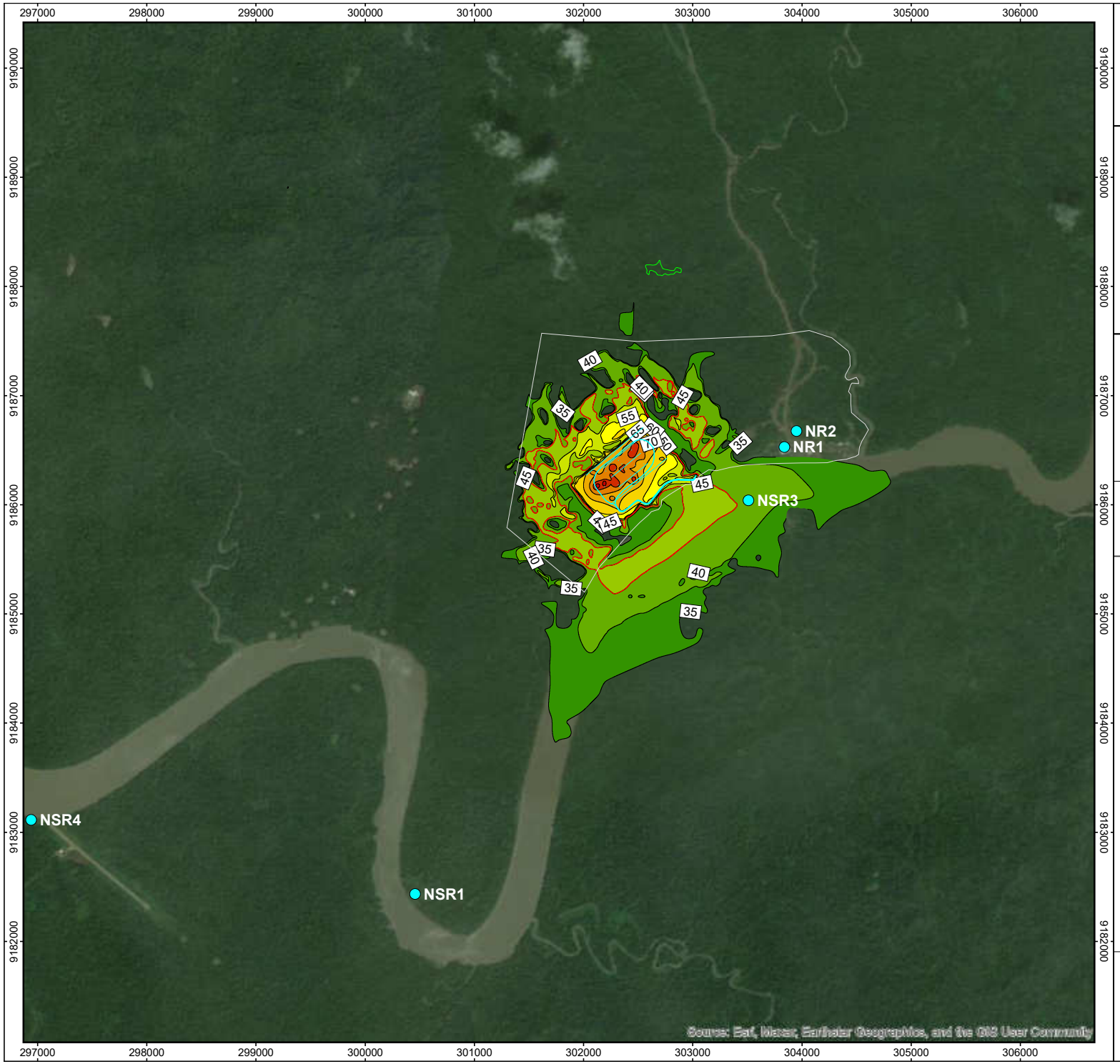
Signs and symbols

- Point receiver
- Point source
- Area Source
- Line source
- Night -time 45 dBA Limit
- CPF-P3 boundary

N

Length scale 1:35000

0 300 600 1200 1800 2400 m



Customer:
Papua LNG Development Pty Ltd
Project: Papua CPF LNG Relocation
SLR Project: 620.040581.00001

SLR

Figure B-3: CPF LNG, Construction Scenario CS2
Neutral Noise Propagation Conditions
Noise Contour map at 1.8m above the Ground

NSR 2 not shown (located left of the Image)

Project engineer: Rodrigo Olavarria
Created: 18/03/2024
Processed with SoundPLAN 8.2, Update 20/06/2023

$L_{Aeq,T}$, dBA

- 35
- 40
- 45
- 50
- 55 Daytime Limit
- 60
- 65
- 70
- 75
- 80
- 85
- 90
- 95

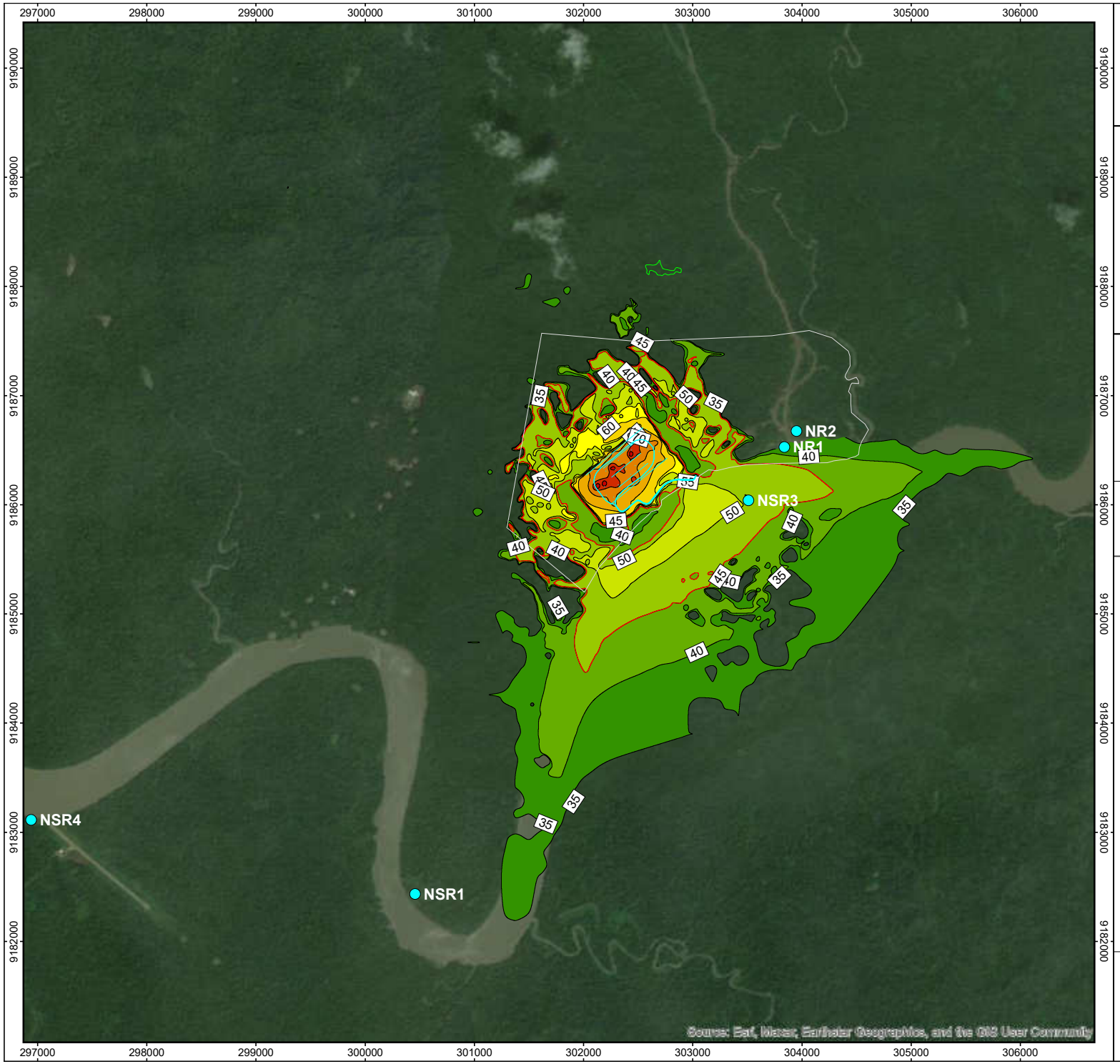
Signs and symbols

- Point receiver
- Point source
- Area Source
- Line source
- Night -time 45 dBA Limit
- CPF-P3 boundary

N

Length scale 1:35000

0 300 600 1200 1800 2400 m



Customer:
Papua LNG Development Pty Ltd
Project: Papua CPF LNG Relocation
SLR Project: 620.040581.00001

SLR

Figure B-4: CPF LNG, Construction Scenario CS2
Enhanced Noise Propagation Conditions
Noise Contour map at 1.8m above the Ground

NSR 2 not shown (located left of the Image)

Project engineer: Rodrigo Olavarria
Created: 18/03/2024
Processed with SoundPLAN 8.2, Update 20/06/2023

$L_{Aeq,T}$, dBA

- 35
- 40
- 45
- 50
- 55 Daytime Limit
- 60
- 65
- 70
- 75
- 80
- 85
- 90
- 95

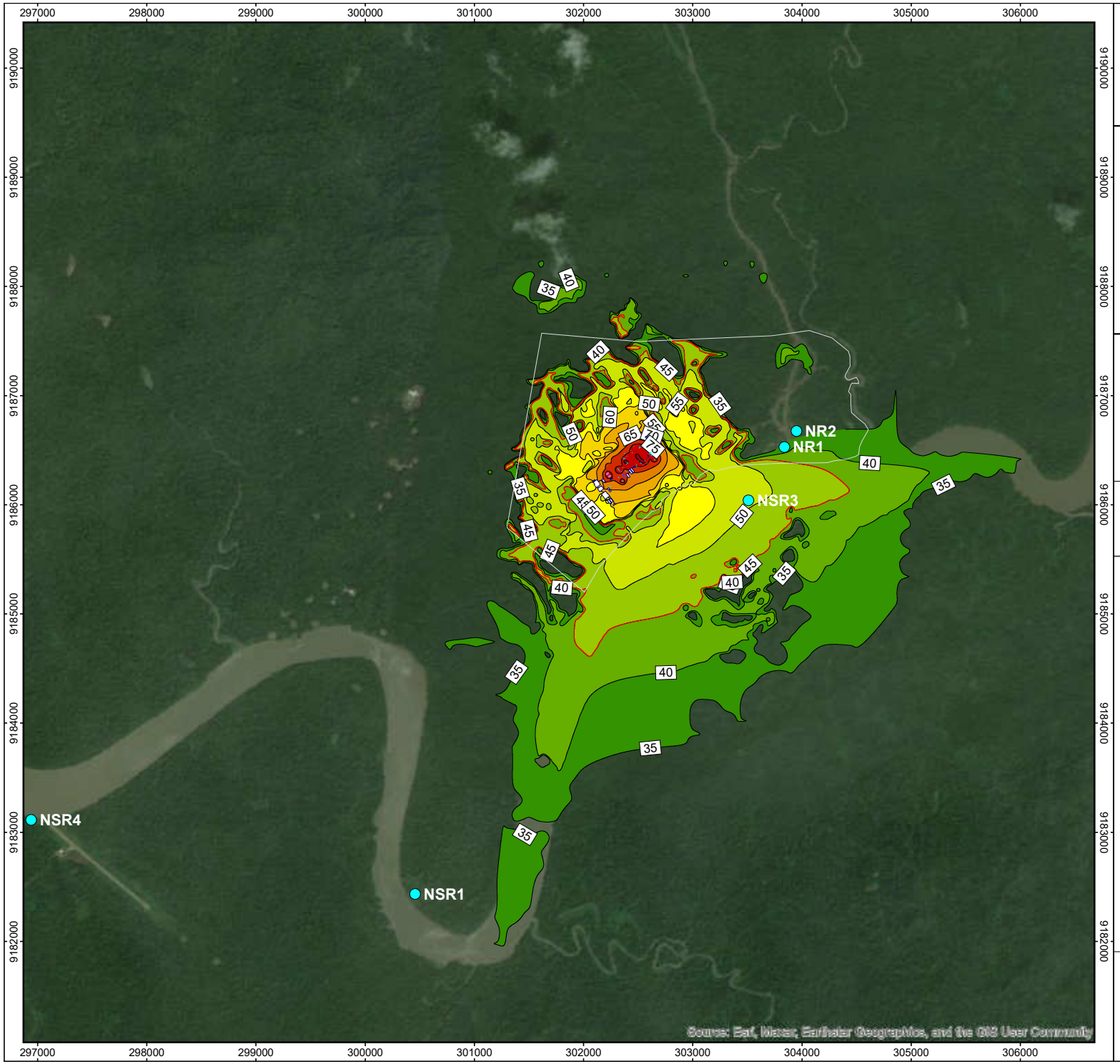
Signs and symbols

- Point receiver
- Point source
- Area Source
- Line source
- Night -time 45 dBA Limit
- CPF-P3 boundary

N

Length scale 1:35000

0 300 600 1200 1800 2400 m



Customer:
Papua LNG Development Pty Ltd
Project: Papua CPF LNG Relocation
SLR Project: 620.040581.00001

SLR

Figure B-5: CPF LNG - Operational Scenario OS1
Neutral Noise Propagation Conditions
Noise Contour map at 1.8m above the Ground

NSR 2 not shown (located left of the Image)

Project engineer: Rodrigo Olavarria
Created: 18/03/2024
Processed with SoundPLAN 8.2, Update 20/06/2023

$L_{Aeq,T}$, dBA

- 35
- 40
- 45
- 50
- 55 Daytime Limit
- 60
- 65
- 70
- 75
- 80
- 85
- 90
- 95

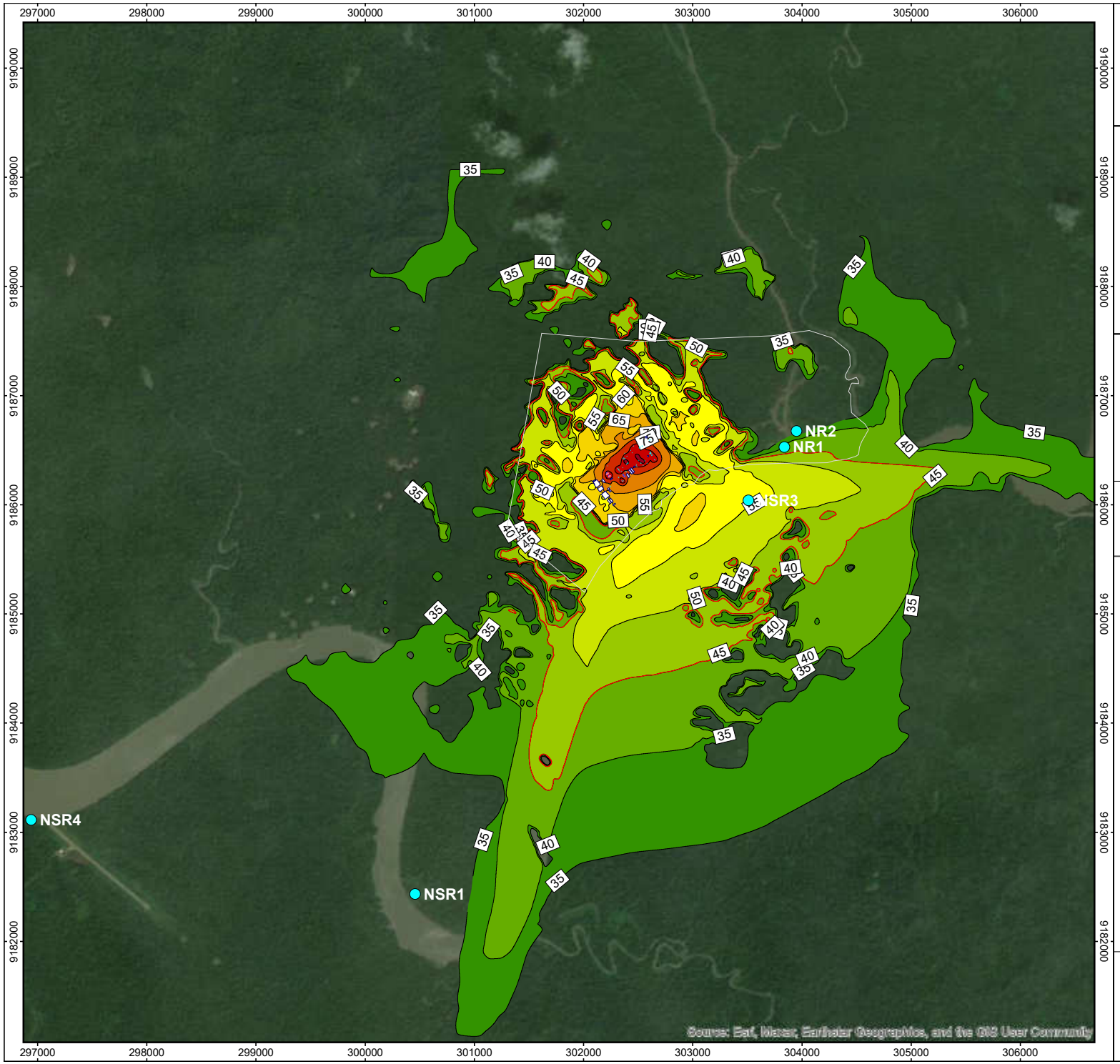
Signs and symbols

- Point receiver
- Point source
- Area Source
- Line source
- Night -time 45 dBA Limit
- CPF-P3 boundary

N

Length scale 1:35000

0 300 600 1200 1800 2400 m



Customer:
Papua LNG Development Pty Ltd
Project: Papua CPF LNG Relocation
SLR Project: 620.040581.00001

SLR

Figure B-6: CPF LNG - Operational Scenario OS1
Enhanced Noise Propagation Conditions
Noise Contour map at 1.8m above the Ground

NSR 2 not shown (located left of the Image)

Project engineer: Rodrigo Olavarria
Created: 18/03/2024
Processed with SoundPLAN 8.2, Update 20/06/2023

$L_{Aeq,T}$, dBA

- 35
- 40
- 45
- 50
- 55 Daytime Limit
- 60
- 65
- 70
- 75
- 80
- 85
- 90
- 95

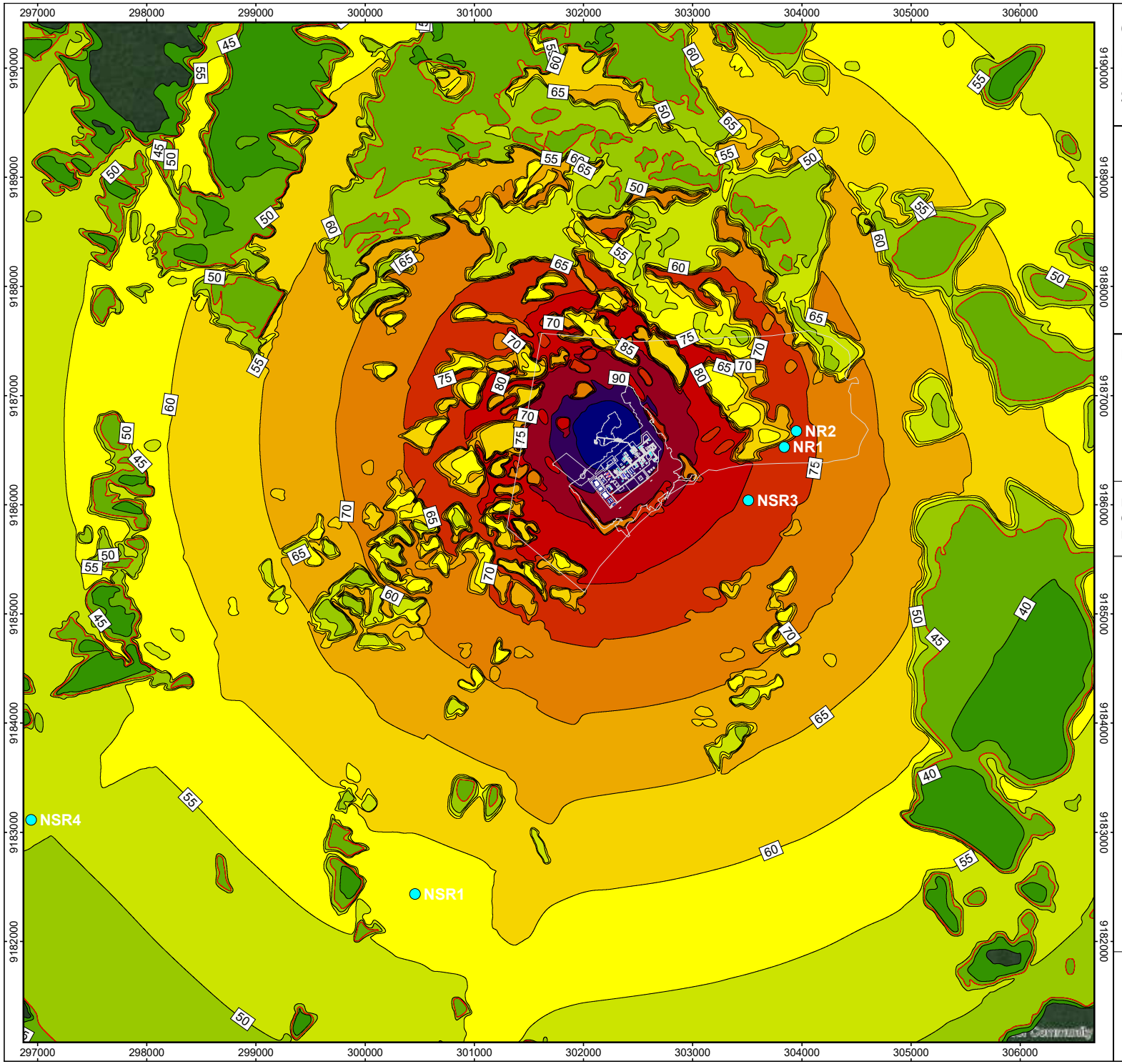
Signs and symbols

- Point receiver
- Point source
- Area Source
- Line source
- Night -time 45 dBA Limit
- CPF-P3 boundary

N

Length scale 1:35000

0 300 600 1200 1800 2400 m



Customer:
Papua LNG Development Pty Ltd
Project: Papua CPF LNG Relocation
SLR Project: 620.040581.00001

SLR

Figure B-7: CPF LNG - Operational Scenario OS2(2a)
Neutral Noise Propagation Conditions
Noise Contour map at 1.8m above the Ground

NSR 2 not shown (located left of the Image)

Project engineer: Rodrigo Olavarria
Created: 19/03/2024
Processed with SoundPLAN 8.2, Update 20/06/2023

$L_{Aeq,T}$, dBA

- 35
- 40
- 45
- 50
- 55 Daytime Limit
- 60
- 65
- 70
- 75
- 80
- 85
- 90
- 95

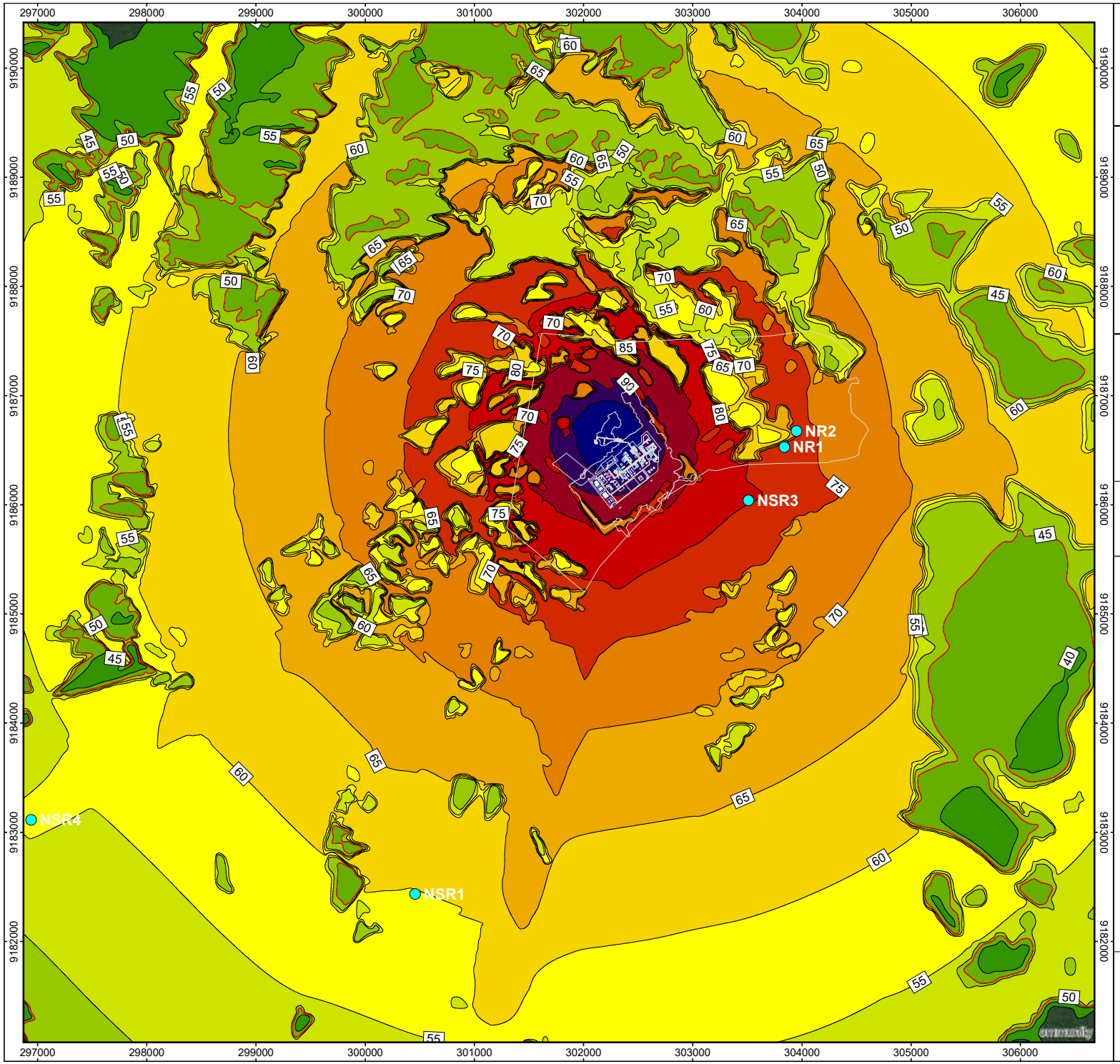
Signs and symbols

- Point receiver
- Point source
- Area Source
- Line source
- Night -time 45 dBA Limit
- CPF-P3 boundary

N

Length scale 1:35000

0 300 600 1200 1800 2400 m



Customer:
Papua LNG Development Pty Ltd
Project: Papua CPF LNG Relocation
SLR Project: 620.040581.00001

SLR

Figure B-8: CPF LNG - Operational Scenario OS2(2a)
Enhanced Noise Propagation Conditions
Noise Contour map at 1.8m above the Ground

NSR 2 not shown (located left of the Image)

Project engineer: Rodrigo Olavarria
Created: 19/03/2024
Processed with SoundPLAN 8.2, Update 20/06/2023

$L_{Aeq,T}$, dBA

- 35
- 40
- 45
- 50
- 55 Daytime Limit
- 60
- 65
- 70
- 75
- 80
- 85
- 90
- 95

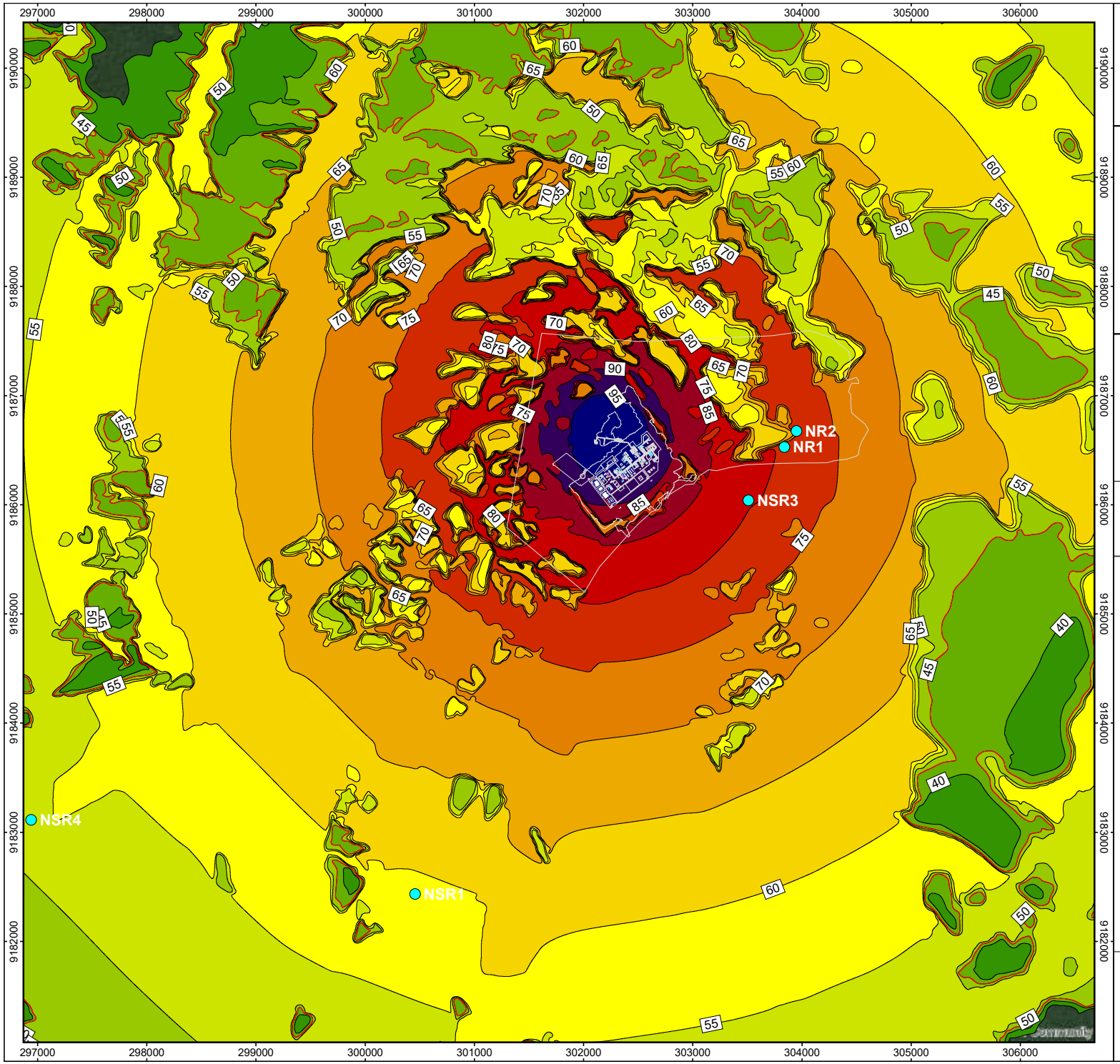
Signs and symbols

- Point receiver
- Point source
- Area Source
- Line source
- Night -time 45 dBA Limit
- CPF-P3 boundary

N

Length scale 1:35000

0 300 600 1200 1800 2400 m



Customer:
Papua LNG Development Pty Ltd
Project: Papua CPF LNG Relocation
SLR Project: 620.040581.00001

SLR

Figure B-9: CPF LNG - Operational Scenario OS3(2a)
Neutral Noise Propagation Conditions
Noise Contour map at 1.8m above the Ground

NSR 2 not shown (located left of the Image)

Project engineer: Rodrigo Olavarria
Created: 19/03/2024
Processed with SoundPLAN 8.2, Update 20/06/2023

$L_{Aeq,T}$, dBA

- 35
- 40
- 45
- 50
- 55 Daytime Limit
- 60
- 65
- 70
- 75
- 80
- 85
- 90
- 95

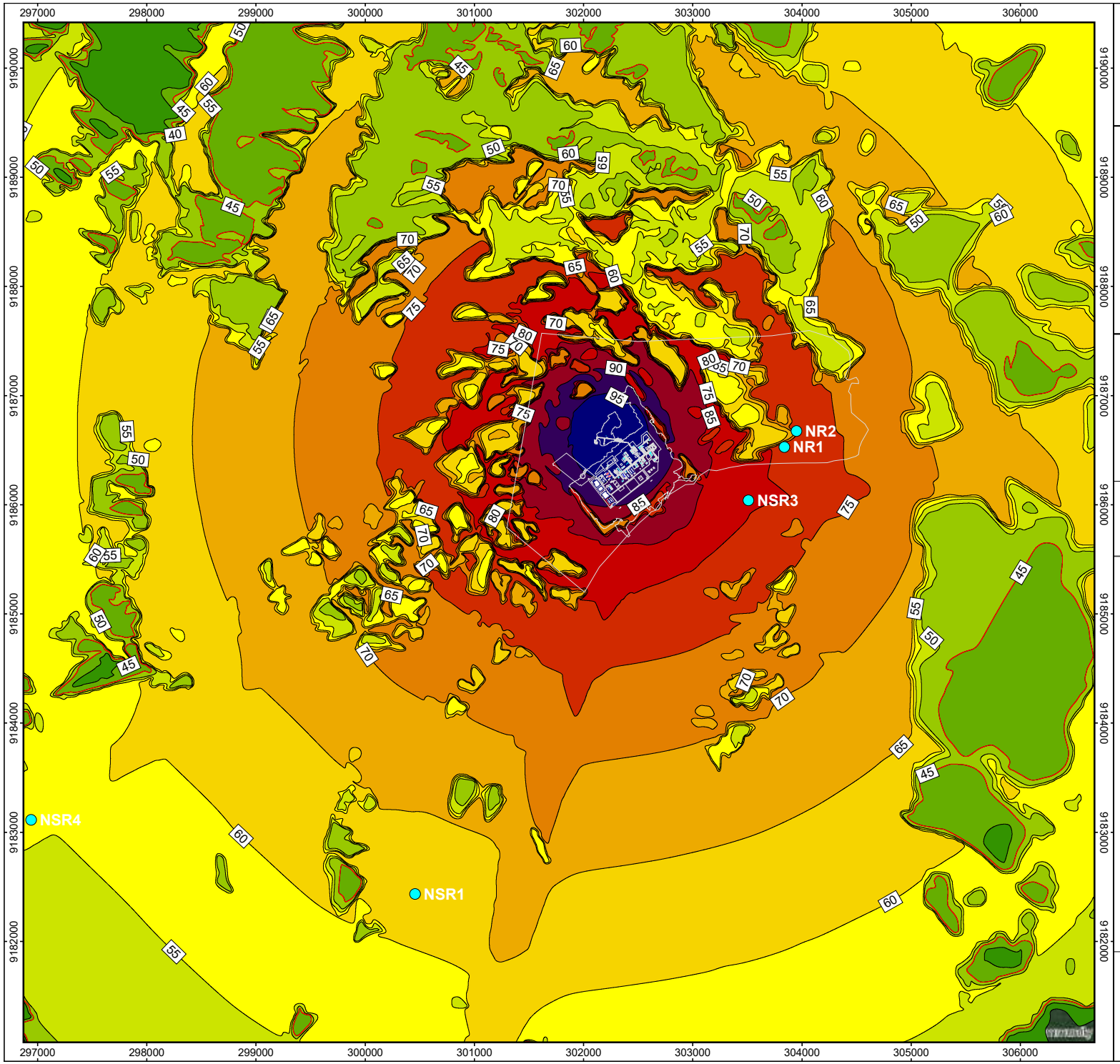
Signs and symbols

- Point receiver
- Point source
- Area Source
- Line source
- Night -time 45 dBA Limit
- CPF-P3 boundary

N

Length scale 1:35000

0 300 600 1200 1800 2400 m



Customer:
Papua LNG Development Pty Ltd
Project: Papua CPF LNG Relocation
SLR Project: 620.040581.00001

SLR

Figure B-10: CPF LNG - Operational Scenario OS3(2a)
Enhanced Noise Propagation Conditions
Noise Contour map at 1.8m above the Ground

NSR 2 not shown (located left of the Image)

Project engineer: Rodrigo Olavarria
Created: 19/03/2024
Processed with SoundPLAN 8.2, Update 20/06/2023

$L_{Aeq,T}$, dBA

- 35
- 40
- 45
- 50
- 55 Daytime Limit
- 60
- 65
- 70
- 75
- 80
- 85
- 90
- 95

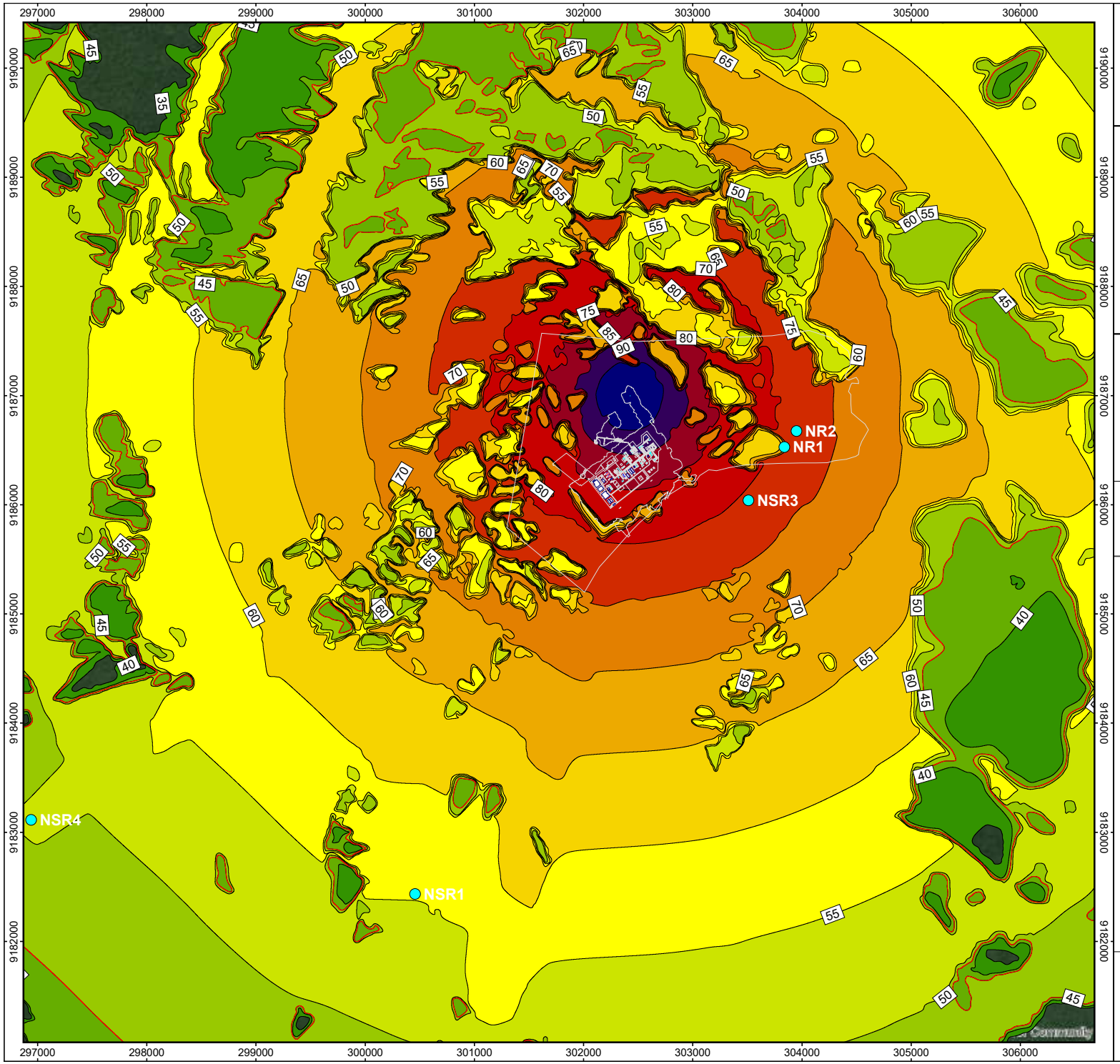
Signs and symbols

- Point receiver
- Point source
- Area Source
- Line source
- Night -time 45 dBA Limit
- CPF-P3 boundary

N

Length scale 1:35000

0 300 600 1200 1800 2400 m



Customer:
Papua LNG Development Pty Ltd
Project: Papua CPF LNG Relocation
SLR Project: 620.040581.00001

SLR

Figure B-11: CPF LNG - Operational Scenario OS2(3a)
Neutral Noise Propagation Conditions
Noise Contour map at 1.8m above the Ground

NSR 2 not shown (located left of the Image)

Project engineer: Rodrigo Olavarria
Created: 19/03/2024
Processed with SoundPLAN 8.2, Update 20/06/2023

$L_{Aeq,T}$, dBA

- 35
- 40
- 45
- 50
- 55 Daytime Limit
- 60
- 65
- 70
- 75
- 80
- 85
- 90
- 95

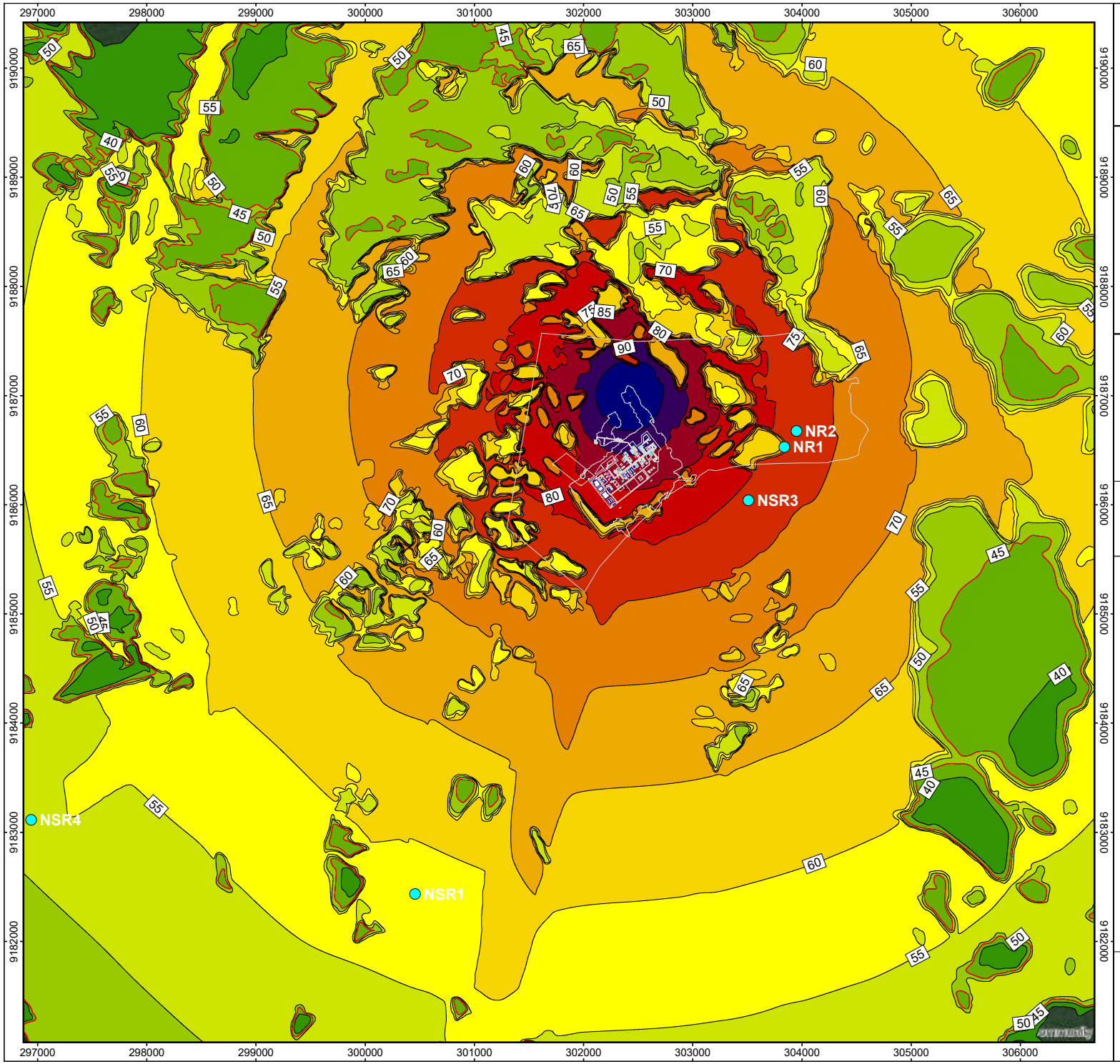
Signs and symbols

- Point receiver
- Point source
- Area Source
- Line source
- Night -time 45 dBA Limit
- CPF-P3 boundary

N

Length scale 1:35000

0 300 600 1200 1800 2400 m



Customer:
Papua LNG Development Pty Ltd
Project: Papua CPF LNG Relocation
SLR Project: 620.040581.00001

SLR

Figure B-12: CPF LNG - Operational Scenario OS2(3a)
Enhanced Noise Propagation Conditions
Noise Contour map at 1.8m above the ground

NSR 2 not shown (located left of the Image)

Project engineer: Rodrigo Olavarria
Created: 19/03/2024
Processed with SoundPLAN 8.2, Update 20/06/2023

$L_{Aeq,T}$, dBA

- 35
- 40
- 45
- 50
- 55 Daytime Limit
- 60
- 65
- 70
- 75
- 80
- 85
- 90
- 95

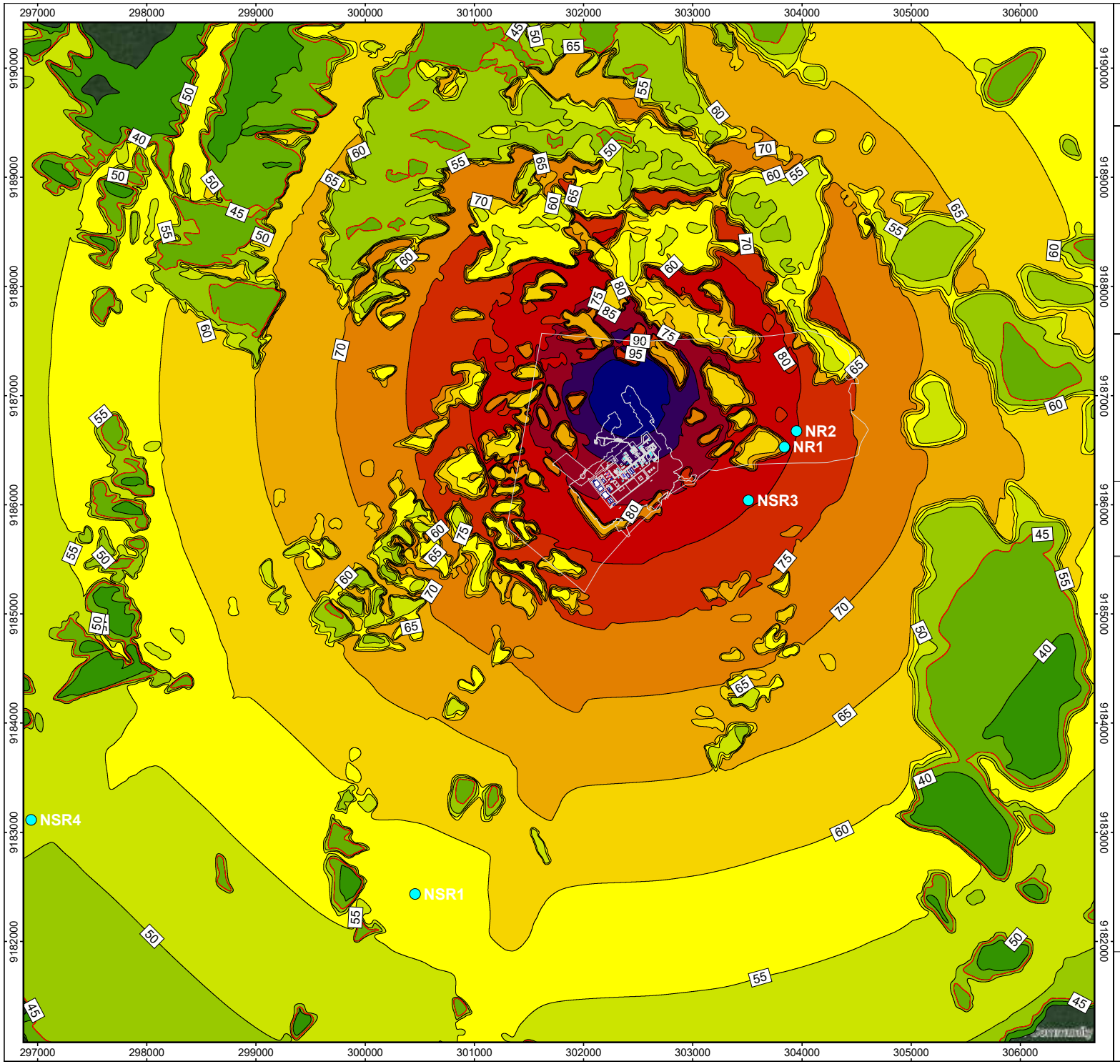
Signs and symbols

- Point receiver
- Point source
- Area Source
- Line source
- Night -time 45 dBA Limit
- CPF-P3 boundary

N

Length scale 1:35000

0 300 600 1200 1800 2400 m



Customer:
Papua LNG Development Pty Ltd
Project: Papua CPF LNG Relocation
SLR Project: 620.040581.00001

SLR

Figure B-13: CPF LNG - Operational Scenario OS3(3a)
Neutral Noise Propagation Conditions
Noise Contour map at 1.8m above the ground

NSR 2 not shown (located left of the Image)

Project engineer: Rodrigo Olavarria
Created: 19/03/2024
Processed with SoundPLAN 8.2, Update 20/06/2023

$L_{Aeq,T}$, dBA

- 35
- 40
- 45
- 50
- 55 Daytime Limit
- 60
- 65
- 70
- 75
- 80
- 85
- 90
- 95

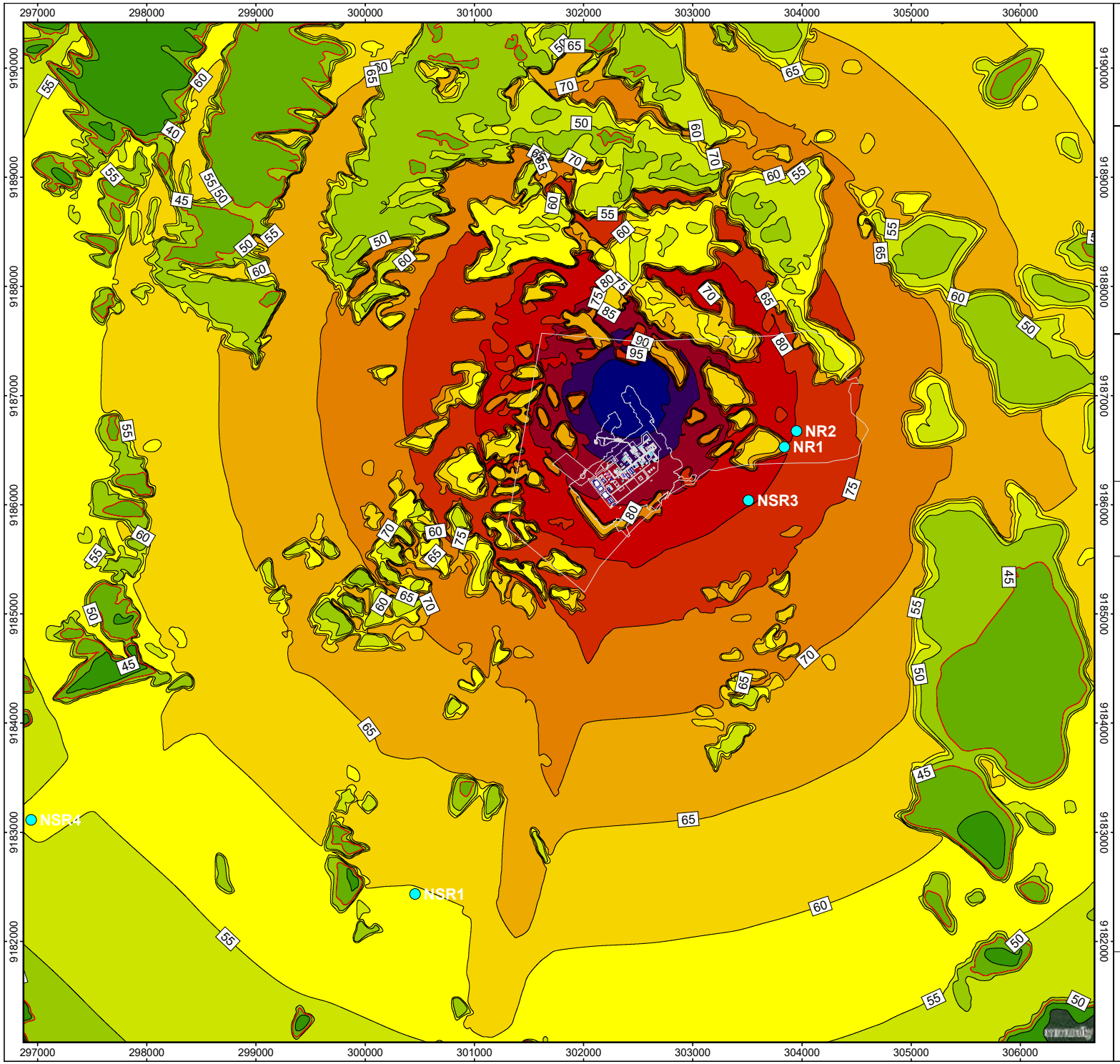
Signs and symbols

- Point receiver
- Point source
- Area Source
- Line source
- Night -time 45 dBA Limit
- CPF-P3 boundary

N

Length scale 1:35000

0 300 600 1200 1800 2400 m



Customer:
Papua LNG Development Pty Ltd
Project: Papua CPF LNG Relocation
SLR Project: 620.040581.00001

SLR

Figure B-14: CPF LNG - Operational Scenario OS3(3a)
Enhanced Noise Propagation Conditions
Noise Contour map at 1.8m above the ground

NSR 2 not shown (located left of the Image)

Project engineer: Rodrigo Olavarria
Created: 19/03/2024
Processed with SoundPLAN 8.2, Update 20/06/2023

$L_{Aeq,T}$, dBA

- 35
- 40
- 45
- 50
- 55 Daytime Limit
- 60
- 65
- 70
- 75
- 80
- 85
- 90
- 95

Signs and symbols

- Point receiver
- Point source
- Area Source
- Line source
- Night -time 45 dBA Limit
- CPF-P3 boundary

N

Length scale 1:35000

0 300 600 1200 1800 2400 m



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