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4049	7	7015	31	17148	11	17165	17	21000	20
4111	4	12027	1	17153	11	17166	18	21001	21
4112	5	13018	3	17154	11	17167	18	21005	22
4113	7	17015	37	17155	12	17244	37	21024	28
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7014	30	17142	35	17160	13	20000	19		

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17011	31
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2031	55	13003	46	13009	49	13015	52
3006	56	13004	46	13010	49	13016	54
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IR NO.	PG NO.								
4092	71	4096	73	8018	85	10005	109	17032	89
4093	72	4097	73	9109	63	10010	85	17033	125
4094	72	4098	74	10003	103	12021	63	17036	90
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8016	80
17037	91
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## LAND (LAND CONTAMINATION) ISSUE REFERENCES

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4001	64	4004	67	4007	69	4010	70	17012	71
4002	66	4005	68	4008	69	4011	71		
4003	67	4006	68	4009	69	4012	71		

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IR NO.	PG NO.								
2013	86	6086	115	8017	86	10007	111	10009	113
6037	86	7011	111	10006	86	10008	113	10014	115

**LAND (LAND USE & TENURE) ISSUE REFERENCES**

IR NO.	PG NO.						
7012	117	17039	101	17041	101	17043	102
7013	117	17040	101	17042	101	19097	79
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						19099	80

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4099	75	4101	76	4103	77	4105	78	17048	75
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3006	178	17061	196	17080	203	17110	196	17128	196
4106	134	17062	196	17082	206	17111	196	17129	196
5000	127	17063	196	17083	207	17112	196	17130	196
5008	133	17064	196	17084	196	17113	196	17131	196
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2000	146	2021	159	2048	163	6039	149	6047	149
2014	152	2022	160	2049	164	6040	152	6087	163
2015	153	2023	146	2050	165	6041	153	17013	146
2016	154	2024	160	4035	146	6042	154	17073	200
2017	154	2025	160	4107	135	6043	146	19102	156
2018	156	2026	149	4108	146	6044	146		
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4107	135	5002	127	5004	131	5006	132	21009	180
5001	127	5003	129	5005	131	5007	133	21013	183

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2027	161	6048	150	14007	176	21017	185	21029	191
2028	161	6049	151	19104	151	21018	186	21030	192
2030	145	6050	137	21004	179	21019	186	21031	192
3001	143	8019	137	21006	179	21020	187	21032	193
3002	144	10011	137	21007	179	21021	188	21033	193
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IR NO.	PG NO.								
2032	255	17190	286	17214	287	17221	287	17235	287
2033	255	17208	287	17215	287	17222	288	17238	287
2034	255	17209	287	17216	287	17224	287	17247	287
6088	252	17210	287	17217	287	17225	289	17248	287
10009	267	17211	287	17218	287	17232	287	17249	287
17043	264	17212	287	17219	287	17233	287		
17088	264	17213	287	17220	287	17234	287		

**WATER RESOURCES (GROUNDWATER) ISSUE REFERENCES**

IR NO.	PG NO.								
8018	269	17229	290	17236	266	21049	282	21053	284
10010	269	17230	291	21036	272	21050	282		
17228	290	17231	292	21037	275	21051	283		

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IR NO.	PG NO.								
2017	253	2048	262	6073	241	6086	250	21007	271
2036	255	2049	263	6074	241	6087	262	21038	276
2037	256	2050	263	6075	242	6089	253	21039	276
2038	257	6064	235	6076	244	6090	253	21040	277
2039	257	6065	235	6077	245	10014	250	21041	277
2040	258	6066	236	6079	246	17227	289	21042	278
2041	258	6067	236	6080	246	17239	266	21043	278
2042	259	6068	237	6081	248	17240	292	21044	279
2043	259	6069	238	6082	248	17241	289	21045	279
2044	260	6070	239	6083	249	19113	244	21046	280
2046	261	6071	240	6084	249	19114	245	21047	281
2047	246	6072	240	6085	250	21003	270	21048	281

**COASTAL ENVIRONMENT**

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**COASTAL ENVIRONMENT ISSUE REFERENCES**

IR NO.	PG NO.
21023	295
21056	295
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21058	295
21059	295
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4000	326
6001	306
6002	312
12000	297
12001	297
12002	299
12003	299
12004	300
12005	301
12006	302
12007	305
12008	306
12009a	312
12009b	312
12010	315
12011	317
12012	320
12013	320
12014	321
12015	323
12017	323
12018	326
12019	348
12020	349
12021	350
12025	351
12029	352
16032	352
17004	306
17005	312
17006	320
17007	300
17008	317
17009	323
17010	349
19000	320
19001	300
19002	349

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4110	371
12029	372
16001	355
16002	355
16003	356
16004	356
16005	357
16006	358
16007	359
16008	358
16009	359
16010	360
16011	360
16012	360
16013	361
16014	361
16015	362
16016	362
16017	362
16018	363
16019	363
16020	364
16021	364
16022	365
16023	365
16024	365
16025	366
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16027	367
16028	367
16029	369
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IR NO.	PG NO.
4087	380
4117	375
4119	376
4120	377
4121	377
4122	378
4123	379
6000	381
6053	382
9109	375
19082	380
19118	380

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4117	386
9115	383
9116	384
9117	384
11001	392
11002	392
11003	393
11004	393
11005	394
11006	394
11007	394
11008	395
11009	395
11010	396
11011	396

IR NO.	PG NO.
11012	397
11013	397
11014	397
11015	398
11016	398
11017	399
11018	401
11019	401
11020	401
11021	402
11022	402
11023	403
11024	404
11025	404
11026	405

IR NO.	PG NO.
11027	405
11028	406
11029	406
11030	407
11031	408
11032	408
11033	409
11034	388
11035	389
11036	390
11037	409
11038	410
11039	410
11040	410
11041	411

IR NO.	PG NO.
11042	411
11043	412
11044	412
11045	413
11046	413
11047	390
11048	391
11049	414
11050	414
11051	415
11052	415
11053	416
11054	417
11055	417
11056	418

IR NO.	PG NO.
12028	385
17041	387
17042	387
17190	418
17191	387
17192	385
17202	388
17203	389
17204	390
17205	390
17206	391

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### INDIGENOUS CULTURAL HERITAGE ISSUE REFERENCES

IR NO.	PG NO.
17027	421
17028	421
17029	422
17030	422
17031	423

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### NON-INDIGENOUS CULTURAL HERITAGE ISSUE REFERENCES

IR NO.	PG NO.
17099	426
18000	425

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RP Data Galilee Basin Housing Market Analysis .....	3003–3016
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### SOCIAL ISSUE REFERENCES

IR NO.	PG NO.								
4037	497	9029	435	9048	442	9067	459	17175	435
4038	427	9030	435	9049	443	9068	460	17176	435
4039	428	9031	435	9050	444	9069	461	17177	435
4117	497	9032	435	9051	444	9070	461	17178	435
4118	491	9033	435	9052	445	9071	463	17179	435
9001	427	9034	435	9053	445	9072	464	17180	435
9003	428	9035	435	9054	446	9108	491	17181	435
9005	428	9036	435	9055	447	9109	492	17182	435
9018	429	9037	435	9056	448	11055	500	17183	435
9019	429	9038	435	9057	449	11056	500	17184	435
9020	430	9039	435	9058	450	15000	437	17185	499
9021	430	9040	435	9059	452	15001	450	17186	503
9022	431	9041	436	9060	453	15002	456	17187	499
9023	431	9042	436	9061	454	17014	501	17188	449
9024	432	9043	437	9062	455	17170	502	17190	504
9025	432	9044	437	9063	456	17171	502	18002	442
9026	433	9045	440	9064	456	17172	433	18003	452
9027	433	9046	440	9065	457	17173	435	18004	454
9028	434	9047	441	9066	459	17174	435	19099	498

**SOCIAL (BASELINE STUDY) ISSUE REFERENCES**

IR NO.	PG NO.
9073	465
9084	474
9085	475

**SOCIAL (COMMUNITY ENGAGEMENT) ISSUE REFERENCES**

IR NO.	PG NO.	IR NO.	PG NO.
9086	475	17042	499
17041	499	17189	504

**SOCIAL (INDIGENOUS) ISSUE REFERENCES**

IR NO.	PG NO.						
9087	476	9089	477	9091	479	18005	477
9088	477	9090	478	9092	480	18006	478
						18007	479
						18008	480

**SOCIAL (MITIGATION) ISSUE REFERENCES**

IR NO.	PG NO.								
4116	465	9075	467	9111	493	9113	494	15003	492
9074	465	9110	492	9112	494	9114	495		

**SOCIAL (SOCIAL & CULTURAL AREA) ISSUE REFERENCES**

IR NO.	PG NO.								
9086	475	9094	482	9096	483	9098	484	9104	488
9093	481	9095	483	9097	484	9099	485		

**SOCIAL (WORKFORCE PROFILE) ISSUE REFERENCES**

IR NO.	PG NO.								
1000	427	9078	469	9094	482	9100	495	9106	489
1009	495	9079	470	9095	483	9101	485	9107	490
1010	470	9080	471	9096	483	9102	486	9119	495
9000	427	9081	472	9097	484	9103	487		
9076	467	9082	472	9098	484	9104	488		
9077	467	9083	474	9099	485	9105	489		

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### HEALTH & SAFETY ISSUE REFERENCES

IR NO.	PG NO.								
4088	512	4127	514	9013	508	12019	510	19119	514
4089	513	6060	514	9014	509	12020	511		
4090	513	9010	507	9015	509	16031	516		
4091	514	9011	507	9016	510	17010	511		
4110	516	9012	508	11054	517	19002	511		

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Galilee Coal Project Economic Modelling Results (Not included due to ‘Commercial in Confidence’) ..... 3017-3018

### ECONOMY ISSUE REFERENCES

IR NO.	PG NO.								
1000	519	1004	524	1008	528	1012	532	9079	531
1001	519	1005	525	1009	529	4037	535	9100	529
1002	520	1006	525	1010	531	4117	535	9119	529
1003	524	1007	527	1011	532	9000	519	17014	536

## SUSTAINABLE DEVELOPMENT

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### SUSTAINABLE DEVELOPMENT ISSUE REFERENCES

IR NO.	PG NO.
6073	538
13015	537

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Initial Emergency Response Plan Framework ..... 3079-3102

### HAZARD & RISK ISSUE REFERENCES

IR NO.	PG NO.								
4065	562	4087	551	9006	539	19056	546	19077	551
4066	562	4088	551	9007	540	19057	547	19078	551
4068	545	4118	543	9008	540	19058	547	19079	551
4069	545	6030	562	9009	541	19059	548	19080	551
4070	546	6031	562	9016	542	19060	549	19081	551
4071	540	6032	562	9017	542	19061	549	19082	551
4072	546	6033	562	9108	543	19062	550	19083	551
4073	547	6034	562	11001	565	19063	550	19084	551
4074	547	6035	562	11003	565	19064	562	19085	557
4075	548	6036	562	11029	565	19065	562	19086	557
4076	548	7000	557	11051	565	19066	562	19087	557
4077	549	7001	557	11053	565	19067	562	19088	557
4078	549	7002	557	13000	544	19068	562	19089	557
4079	550	7003	557	13017	542	19069	551	19090	557
4080	550	7004	557	14000	551	19070	551	19091	557
4081	540	7005	557	19044	562	19071	551	19092	557
4082	562	7006	557	19051	562	19072	551	19093	557
4083	551	7007	557	19052	562	19073	551	19094	557
4084	551	7008	557	19053	562	19074	551	19095	557
4085	551	7009	557	19054	562	19075	551	19096	562
4086	551	7010	557	19055	548	19076	551		

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### CUMULATIVE IMPACTS ISSUE REFERENCES

IR NO.	PG NO.								
2000	595	4022	590	4035	595	6010	590	8005	590
2023	595	4023	590	4036	597	6011	590	8006	590
3000	594	4024	590	4037	594	6012	590	8007	590
4000	568	4025	590	4038	567	6013	590	8008	590
4013	589	4026	590	4039	567	6014	590	8009	590
4014	589	4027	592	4108	595	6015	595	8010	590
4015	590	4028	592	6003	590	6016	597	8011	590
4016	590	4029	592	6004	590	6043	595	9001	567
4017	590	4030	592	6005	590	8000	590	9003	567
4018	590	4031	593	6006	590	8001	590	11000	598
4019	590	4032	593	6007	590	8002	590	12018	568
4020	590	4033	594	6008	590	8003	590	17013	595
4021	590	4034	592	6009	590	8004	590	17014	598

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- Draft Environmental Management Plan (EM Plan) Mine ..... 3211-3520  
 Draft Environmental Management Plan (EMP) Rail ..... 3521-3658

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IR NO.	PG NO.
4049	622
4067	608
4113	622

IR NO.	PG NO.
6017	622
6051	622
6052	622

IR NO.	PG NO.
17016	622
19005	609
19006	609

IR NO.	PG NO.
19007	611
19008	622
19109	609

IR NO.	PG NO.
21002	646
21012	646
21014	647

### EMP (AIR QUALITY) ISSUE REFERENCES

IR NO.	PG NO.
12026	647
19004	647

### EMP (LAND) ISSUE REFERENCES

IR NO.	PG NO.
4050	599
4051	600
4052	601

IR NO.	PG NO.
4053	602
4054	603
10000	602

IR NO.	PG NO.
10001	603
19009	602
19010	603

IR NO.	PG NO.
19011	601
19012	599
19013	600

### EMP (NATURE CONSERVATION [AQUATIC ECOLOGY]) ISSUE REFERENCES

IR NO.	PG NO.
2001	637
19014	637

IR NO.	PG NO.
19045	618
19046	618

IR NO.	PG NO.
19047	619
19048	619

IR NO.	PG NO.
19103	637

### EMP (NOISE & VIBRATION) ISSUE REFERENCES

IR NO.	PG NO.
16000	638
16000	638

### EMP (PROJECT DESCRIPTION) ISSUE REFERENCES

IR NO.	PG NO.
17017	643
19016	643

**EMP (WASTE) ISSUE REFERENCES**

IR NO.	PG NO.
4055	605
4056	605

IR NO.	PG NO.
4057	606
19017	611

IR NO.	PG NO.
19018	605
19019	605

IR NO.	PG NO.
19020	606
19021	611

**EMP (WATER RESOURCES [GROUNDWATER]) ISSUE REFERENCES**

IR NO.	PG NO.
2002	638
8012	620

IR NO.	PG NO.
8013	613
8038	621

IR NO.	PG NO.
19022	613
19023	613

IR NO.	PG NO.
19024	614
19025	614

IR NO.	PG NO.
19026	638

**EMP (WATER RESOURCES [SURFACE WATER]) ISSUE REFERENCES**

IR NO.	PG NO.
2003	639
2004	639
2005	642
2006	643
2007	616
2008	617
2009	615
2010	625
2011	639
2012	620
2045	624
4058	632
4059	608
4060	629
4061	632

IR NO.	PG NO.
4062	616
4063	617
4064	615
4065	634
4066	634
4082	634
6018	624
6019	625
6020	628
6021	628
6022	629
6023	630
6024	632
6025	642
6026	615

IR NO.	PG NO.
6027	632
6028	617
6029	616
6030	634
6031	634
6032	634
6033	634
6034	634
6035	634
6036	634
6078	624
10002	625, 644
19027	639
19028	615
19029	616

IR NO.	PG NO.
19030	617
19031	618
19032	629
19033	632
19034	642
19035	643
19036	608
19037	630
19038	632
19039	625
19040	639
19041	628
19042	628
19043	624
19044	634

IR NO.	PG NO.
19049	620
19050	639
19051	634
19052	634
19053	634
19054	634
19064	634
19065	634
19066	634
19067	634
19068	634
19096	634
19115	624

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**DECOMMISSIONING & REHABILITATION ISSUE REFERENCES**

IR NO.	PG NO.
4040	651
4041	652
4042	652

IR NO.	PG NO.
4043	653
4044	653
4045	654

IR NO.	PG NO.
4046	654
4047	654
4048	655

IR NO.	PG NO.
4114	656
4115	656
6085	657

IR NO.	PG NO.
19003	653

## EXPLANATION OF ISSUE RESPONSE HEADER TABLES

<b>SUBMITTER NO.</b>	A unique number designation assigned to each submitter by the Queensland Office of the Coordinator-General
<b>SUBMITTER TYPE</b>	Denotes whether the submitter was an Individual, Non-government Organisation (NGO) or a Government Agency
<b>NAME</b>	Name of submitting NGO or Government Agencies, names of individual submitters are withheld. A "/" between submitter names denotes that more than one submitter raised the same issue.
<b>ISSUE REFERENCE</b>	<p>A number assigned to each issue. In instances where more than one issue reference number appears:</p> <ul style="list-style-type: none"> <li>• a forward slash "/" between issue reference numbers denotes that the exact same issue was raised by more than one submitter and / or that the issue was assigned to more than one of Waratah Coal's consultants to provide input in to the response</li> <li>• a comma "," between issue reference numbers identifies that the issues raised were not exactly the same, but were similar enough that one response addressed all issues.</li> </ul>
<b>TOR CATEGORY</b>	Denotes the category that the issue reference belongs to. The categories are the same as the main categories in the Terms of Reference (ToR).
<b>RELEVANT EIS SECTION</b>	Provides a cross reference to the relevant section of the EIS the submission was raised in response to (as provided by the submitter). Note that not all submitters provided cross references.

## COMMONLY USED ACRONYMS AND ABBREVIATIONS

AADT	Annual Average Daily Traffic	BAM	Beta Attenuation Monitor
ABS	Australian Bureau of Statistics	BAPACI	Bowen Abbott Point Accommodation and Community Infrastructure
ACARP	Australian Coal Association Research Program	BMA	Billiton Mitsubishi Alliance
ADWG	Australian Water Drinking Guidelines	BMP	Bushfire Management Plan
ALCAM	Australian Level Crossing Assessment Model	BMP	Biodiversity Management Plan
AMWU	Australian Manufacturing Workers Union	BNR	Bimblebox Nature Reserve
ANFO	Ammonium Nitrate Fuel Oil	BCR	Barcaldine Regional Council
APSDA	Abbot Point State Development Area	CALD	Culturally and Linguistically Diverse
AQO	Acoustic Quality Objectives	CEC	Cation Exchange Capacity
ARI	Average Recurrence Interval	CFR	Code of Federation Regulations (USA)
ASS	Acid Sulphate Soils	CHMP	Cultural Heritage Management Plan
AST	Above Ground Storage Tank	CHPP	Coal Handling and Processing Plant
ATV	All Terrain Vehicles		

**COMMONLY USED ACRONYMS AND ABBREVIATIONS (CON'T)**

CPI	Consumer Price Index	GDE	Groundwater Dependent Ecosystem
CSG	Coal Seam Gas	GFC	Global Financial Crisis
CSIA	Cumulative Social Impact Assessment	GQAL	Good Quality Agricultural Land
DCS	Department of Community Services	HIHO	Home In Home Out
DEEDI	Department of Employment, Economic Development and Innovation	HSMS	Health and Safety Management System
DEHP	Department of Environment and Heritage Protection	HV	Heavy Vehicle
DERM	Department of Environment and Resource Management	HVAS	High Volume Air Samplers
DIDO	Drive In Drive Out	IAIA	International Association for Impact Assessment
DIWA	Directory of Important Wetlands of Australia	ICN	Industry Capability Network
DLGP	Department of Local Government and Planning	IDAS	Integrated Development Assessment System
DMP	Disaster Management Plan	ILUA	Indigenous Land Use Agreement
DTMR	Department of Transport and Main Roads	IRC	Isaac Regional Council
DWMP	Drinking Water Management Plan	IUCN	International Union for Conservation of Nature
DWTP	Drinking Water Treatment Plant	KP	Kilometre Point
EA	Environmental Authority	LGA	Local Government Area
EC	Electrical Conductivity	LIPP	Local Industry Participation Plan
EIS	Environmental Impact Statement	LNG	Liquefied Natural Gas
EM	Environmental Management (Mine)	LNP	Liberal National Party
EMP	Environmental Management Plan (other than Mine)	LOS	Level Of Service
EMR	Environmental Management Register	MEDLI	Model for Effluent Disposal Using Land Irrigation
EP Act	<i>Environmental Protection Act 1994</i>	MHF	Major Hazardous Facility
EPA	Environmental Protection Authority	MLA	Mining Lease Application
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999</i>	MNES	Matters of National Environmental Significance
EPP	Environmental Protection Policy	MRRT	Mineral Resource Rent Tax
ERP	Emergency Response Plan	MSDS	Material Safety Data Sheet
ESA	Emergency Services Agency	NAF	Non Acid Forming
ESA	Environmental Site Assessment	NC Act	<i>Nature Conservation Act 1992</i>
ESD	Ecologically Sustainable Development	NCL	North Coast Line
ESP	Exchangeable Sodium Percentage	NGER Act	<i>National Greenhouse and Energy Reporting Act 2007</i>
EV	Environmental Values	NGO	Non-Government Organisation
FEL	Front End Loading	NMWMP	Non-Mineral Waste Management Plan
FHMOP	Fish Habitat Management Operational Policy	NPI	National Pollutant Inventory
FIFO	Fly In Fly Out	NQBP	North Queensland Bulk Ports
FMP	Fauna Management Plan	NR	Noise Reduction
GCP	Galilee Coal Project	NRS	National Reserve System
		NRW	Natural Resources and Water

**COMMONLY USED ACRONYMS AND ABBREVIATIONS (CON'T)**

NRW	Non Resident Worker	SEWPAC	Department of Sustainability, Environment, Water, Population and Communities
NVMP	Noise and Vibration Management Plan	SGCP	South Galilee Coal Project
OC	Open Cut	SHMS	Safety and Health Management System
OD	Over Dimensional	SIA	Social Impact Assessment
OESR	Office of Economic and Statistical Research	SIDRA	Signalised and Unsignalised Intersection Design and Research Aid
OHS	Occupational Healthy and Safety	SIMP	Social Impact Management Plan
PIFU	Planning Information and Forecasting Unit	SMP	Species Management Plan
PMAV	Property Map of Assessable Vegetation	SMP	Site Management Plan
PNL	Perceived Noise Level	SOP	Standard Operating Procedure
PVMP	Property Vegetation Management Plan	SPA	<i>Sustainable Planning Act 2009</i>
QAS	Queensland Ambulance Service	STP	Sewerage Treatment Plant
QFRS	Queensland Fire and Rescue Services	TAFE	Technical and Further Education
QH	Queensland Health	TEC	Threatened Ecological Community
QPS	Queensland Police Service	TEOM	Tapered Element Oscillating Microbalance
QTA	Queensland Trucking Association	TEP	Transitional Environmental Program
QWQG	Queensland Water Quality Guidelines	TIA	Traffic Impact Assessment
RAAG	Road Accident Action Group	TOR	Terms of Reference
RAP	Remediation Action Plan	TSP	Total Suspended Particles
RASP	Rest Areas and Stopping Places	UDA	Urban Development Area
RBA	Reserve Bank of Australia	UG	Underground
RBL	Rating Background Level	VET	Vocational Education and Training
RE	Regional Ecosystem	VKT	Vehicle Kilometres Travelled
REMP	Receiving Water Monitoring Program	VM Act	<i>Vegetation Management Act 1999</i>
RIA	Road Impact Assessment	VPD	Vehicles Per Day
RMS	Root Mean Square	VPH	Vehicles Per Hour
ROM	Run of Mine	VWP	Vibrating Wire Piezometer
RPDM	Road Planning and Design Manual	WC	Waratah Coal
RUMP	Road User Management Plan	WHO	World Health Organisation
RWMS	Regional Waste Management Strategy	WMP	Waste Management Plan
SBMP	Site Based Management Plan	WMP	Weed Management Plan
SCL	Strategic Cropping Land	WQO	Water Quality Objective
SCR	State Controlled Road	WRC	Whitsunday Regional Council
SDPWO Act	<i>State Development and Public Works Organisation Act 1971</i>	WRP	Water Resource Plan
SEIFA	Socio-Economic Indexes for Areas	WRT	With reference to
SEIS	Supplementary Environmental Impact Statement	WTP	Water Treatment Plant

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