

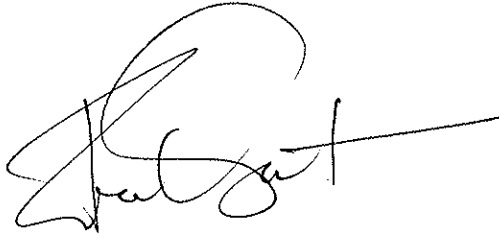
Project Approval

Section 75J of the *Environmental Planning and Assessment Act 1979*

I approve the project application referred to in Schedule 1, subject to the conditions in Schedules 2 to 5.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the project.



Frank Sartor MP
Minister for Planning

Sydney

12th March

2008

SCHEDULE 1

Application No:	06_0311
Proponent:	Centennial Coal Company Limited
Approval Authority:	Minister for Planning
Land:	See Appendix 1
Project:	Mannering Colliery – Continuation of Mining Project

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DEFINITIONS

AEMR	Annual Environmental Management Report
Affected councils	Wyong Shire Council and Lake Macquarie City Council
BCA	Building Code of Australia
CCC	Community Consultative Committee
Day	The period from 7am to 6pm on Monday to Saturday, and 8am to 6pm on Sundays and Public Holidays
DECC	Department of Environment and Climate Change
Department	Department of Planning
Director-General	Director-General of Department of Planning, or delegate
DPI	Department of Primary Industries
DWE	Department of Water and Energy
EA	Environmental Assessment titled <i>Mannering Colliery Environmental Assessment</i> , dated March 2007, including the response to submissions, dated 27 July 2007
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EP&A Regulation	<i>Environmental Planning and Assessment Regulation 2000</i>
EPL	Environment Protection Licence issued under the <i>Protection of the Environment Operations Act 1997</i>
Evening	The period from 6pm to 10pm
LMCC	Lake Macquarie City Council
Mining operations	Includes all coal extraction, processing and transportation activities carried out on site
Minister	Minister for Planning, or delegate
Night	The period from 10pm to 7am on Monday to Saturday, and 10pm to 8am on Sundays and Public Holidays
Privately-owned land	Land that is not owned by a public agency, or a mining company (or its subsidiary)
Proponent	Centennial Coal Company Limited or any other person or persons who rely on this approval to carry out the project that is subject to this approval
Project	Mannering Colliery Continuation of Mining Project as described in the EA
Reasonable and Feasible	Reasonable relates to the application of judgement in arriving at a decision, taking into account: mitigation benefits, cost of mitigation versus benefits provided, community views and the nature and extent of potential improvements. Feasible relates to engineering considerations and what is practical to build
ROM	Run-of-mine
RTA	Roads and Traffic Authority
Site	Land referred to in Appendix 1
SMP	Subsidence Management Plan
Statement of Commitments	The Proponent's commitments in Appendix 3
Subsidence	Subsidence of the land surface caused by underground coal mining
WSC	Wyong Shire Council

SCHEDULE 2 ADMINISTRATIVE CONDITIONS

Obligation to Minimise Harm to the Environment

1. The Proponent shall implement all practicable measures to prevent and/or minimise any harm to the environment that may result from the construction, operation or rehabilitation of the project.

Terms of Approval

2. The Proponent shall carry out the project generally in accordance with the:
 - (a) EA;
 - (b) Statement of Commitments (see Appendix 3); and
 - (c) conditions of this approval.

Notes:

- *The general layout of the project is shown in Figure 1 of Appendix 2.*
- *The statement of commitments is reproduced in Appendix 3.*

3. If there is any inconsistency between the above documents, the latter document shall prevail to the extent of the inconsistency. However, the conditions of this approval shall prevail to the extent of the inconsistency.
4. The Proponent shall comply with any reasonable requirement/s of the Director-General arising from the Department's assessment of:
 - (a) any reports, plans, programs or correspondence that are submitted in accordance with the conditions of this approval; and
 - (b) the implementation of any actions or measures contained in these reports, plans, programs or correspondence.

Limits on Approval

5. Mining operations may take place until 31 March 2018.

Note: Under this approval, the Proponent is required to rehabilitate the site to the satisfaction of the Director-General and DPI. Consequently this approval will continue to apply in all other respects other than the right to conduct mining operations until the site has been rehabilitated to a satisfactory standard.

6. The Proponent shall not extract more than 1.1 million tonnes of ROM coal a year from the site.
7. The Proponent shall ensure all coal produced on the site is transported by overland conveyor to Vales Point Power Station.

Management Plans / Monitoring Programs

8. With the approval of the Director-General, the Proponent may submit any management plan or monitoring program required by this approval on a progressive basis.

Structural Adequacy

9. The Proponent shall ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA.

Notes:

- *Under Part 4A of the EP&A Act, the Proponent is required to obtain construction and occupation certificates for the proposed building works.*
- *Part 8 of the EP&A Regulation sets out the requirements for the certification of the project.*

Demolition

10. The Proponent shall ensure that all demolition work is carried out in accordance with *Australian Standard AS 2601-2001: The Demolition of Structures*, or its latest version.

Operation of Plant and Equipment

11. The Proponent shall ensure that all plant and equipment used on site is:
- (a) maintained in a proper and efficient condition; and
 - (b) operated in a proper and efficient manner.

Community Enhancement Program

12. The Proponent shall pay the affected councils \$0.02 for each tonne of ROM coal produced by the project for the purpose of improving water quality in the Lake Macquarie catchment. This payment shall be:
- (a) shared equally by the affected councils;
 - (b) made by the end of March 2009, and at yearly intervals thereafter;
 - (c) calculated on the ROM coal produced in the previous calendar year; and
 - (d) subject to indexation by the Implicit Price Deflator, as published by the Australian Bureau of Statistics.

SCHEDULE 3 SPECIFIC ENVIRONMENTAL CONDITIONS

NOISE

Noise Impact Criteria

1. The Proponent shall ensure that the noise generated by the project does not exceed the noise impact assessment criteria in Table 1 at any residence on privately owned land.

Table 1: Noise limits dB(A)

Day <i>L_{Aeq}(15 min)</i>	Evening <i>L_{Aeq}(15 min)</i>	Night		Location (as listed in Appendix 4)
		<i>L_{Aeq}(15 min)</i>	<i>L_{A1}(1 min)</i>	
49	49	35	49	4 – di Rocco
47	47	35	49	5 – Keighran
44	44	35	49	6 – Swan
43	43	43	50	7 – Druitt
46	46	46	50	8 – May
45	45	45	52	9 – Jeans
40	40	40	52	11 – Jeans
43	43	43	52	18 – Jeans
44	44	44	52	20 – Knight and all other Chain Valley Bay residences

However, if the Proponent has a written negotiated noise agreement with any landowner of the land listed in Table 1, and a copy of this agreement has been forwarded to the Department and DECC, then the Proponent may exceed the noise criteria in Table 1 in accordance with the negotiated noise agreement.

Notes:

- The receiver references in Table 1 are shown in the figure in Appendix 4.
- To determine compliance with the *L_{Aeq}(15 minute)* noise limits, noise from the project is to be measured at the most affected point within the residential boundary, or at the most affected point within 30 metres of a dwelling (rural situations) where the dwelling is more than 30 metres from the boundary. Where it can be demonstrated that direct measurement of noise from the development is impractical, the Department and DECC may accept alternative means of determining compliance (see Chapter 11 of the NSW Industrial Noise Policy). The modification factors in Section 4 of the NSW Industrial Noise Policy shall also be applied to the measured noise levels where applicable.
- To determine compliance with the *L_{A1}(1 minute)* noise limits, noise from the project is to be measured at 1 metre from the dwelling façade. Where it can be demonstrated that direct measurement of noise from the project is impractical, the Department and DECC may accept alternative means of determining compliance (see Chapter 11 of the NSW Industrial Noise Policy).
- These limits apply under the relevant meteorological conditions outlined in the assessment procedures in Chapter 5 of the NSW Industrial Noise Policy.

Noise Mitigation

2. The Proponent shall prepare a report on potential noise mitigation measures for noisy equipment and activities undertaken on the site to the satisfaction of the Director-General. This report must be:
 - (a) prepared by a suitably qualified acoustic expert;
 - (b) submitted to the Director-General by the end of September 2008; and
 - (c) accompanied by an action plan for the implementation of any reasonable and feasible recommendations of the report.

Noise Monitoring

3. The Proponent shall prepare and implement a Noise Monitoring Program for the project to the satisfaction of the Director-General. This program must:
 - (a) be submitted to the Director-General by the end of September 2008; and
 - (b) include the use of attended noise monitoring measures to monitor the performance of the project.

SUBSIDENCE

Subsidence Management Plan

4. The Proponent shall prepare a Subsidence Management Plan (SMP) to the satisfaction of the Director-General of DPI. This plan must be prepared in accordance with the:
 - (a) *New Approval Process for Management of Coal Mining Subsidence – Policy* (DPI, 2003); and
 - (b) *Guideline for Applications for Subsidence Management Approvals* (DPI, 2003), or the latest versions or replacements of these documents.
5. In preparing the Subsidence Management Plan, the Proponent shall pay particular attention to assessing and limiting the potential surface impacts where:
 - (a) potentially sensitive surface features are identified in the EA (see Appendix 2, Figure 2), or
 - (b) proposed mining areas are overlain by existing mine workings.

SOIL AND WATER

Discharge

6. The Proponent shall only discharge water from the site as expressly provided for by its EPL.
7. The Proponent shall investigate, assess and report on the ecological interactions of minewater discharged from the site with the aquatic ecology of the unnamed creek and wetlands (and associated vegetation) between the minewater discharge point/s and Lake Macquarie. This report must:
 - (a) be prepared in consultation with DECC by suitably qualified expert/s whose appointment/s have been approved by the Director-General;
 - (b) be submitted to the Director-General by the end of March 2009; and
 - (c) assess the probable alterations in the local ecology attributable to previous and proposed minewater discharges and any future cessation of minewater discharge flows.

Water Management Plan

8. The Proponent shall prepare and implement a Water Management Plan for the project to the satisfaction of the Director-General. This plan must:
 - (a) be prepared in consultation with DWE by suitably qualified expert/s whose appointment/s have been approved by the Director-General;
 - (b) be submitted to the Director-General by the end of March 2009; and
 - (c) include a:
 - Site Water Balance;
 - Erosion and Sediment Control Plan;
 - Surface Water Monitoring Plan; and
 - Groundwater Monitoring Program.

Site Water Balance

9. The Site Water Balance must:
 - (a) include details of:
 - sources and security of water supply;
 - water use on site;
 - water management on site; and
 - (b) investigate, assess and report on measures to minimise water use by the project, particularly potable water from the Wyong Shire town water supply.

Erosion and Sediment Control

10. The Erosion and Sediment Control Plan must:
 - (a) be consistent with the requirements of *Managing Urban Stormwater: Soils and Construction* (Landcom 2004, or its latest version);
 - (b) identify activities that could cause soil erosion and generate sediment;
 - (c) describe measures to minimise soil erosion and the potential for transport of sediment from the site;
 - (d) describe the location, function, and capacity of erosion and sediment control structures; and
 - (e) describe what measures would be implemented to monitor and maintain the structures over time.

Surface Water Monitoring Program

11. The Surface Water Monitoring Plan must include:
- (a) detailed baseline data on surface water flows and quality in creeks and other waterbodies that could be affected by the project;
 - (b) surface water impact assessment criteria;
 - (c) a program to monitor the impact of the project on surface water flows and quality; and
 - (d) procedures for reporting the results of this monitoring.

Groundwater Monitoring Program

12. The Groundwater Monitoring Program must include:
- (a) detailed baseline data to benchmark the natural variation in groundwater levels, yield and quality;
 - (b) groundwater impact assessment criteria;
 - (c) a program to monitor the impact of the project on groundwater levels, yield and quality; and
 - (d) procedures for reporting the results of this monitoring.

LANDSCAPE

Rehabilitation

13. The Proponent shall rehabilitate the site to the satisfaction of the Director-General and DPI.

Land Management Plan

14. The Proponent shall prepare and implement a detailed Land Management Plan for the site to the satisfaction of the Director-General and DPI. This plan must:
- (a) be submitted to the Director-General by the end of September 2008;
 - (b) be prepared by suitably qualified expert/s whose appointment/s have been endorsed by the Director-General;
 - (c) be prepared in consultation with DPI, DECC and affected councils; and
 - (d) include measures to:
 - minimise visual impacts;
 - control weeds, feral pests and access; and
 - manage bushfires; and
 - (e) provide details of who is responsible for monitoring, reviewing and implementing the plan.

Mine Closure Plan

15. The Proponent shall prepare and implement a Mine Closure Plan for the site to the satisfaction of the Director-General and DPI. This plan must:
- (a) be submitted to the Director-General by the end of March 2013;
 - (b) be prepared by suitably qualified expert/s whose appointment/s have been endorsed by the Director-General;
 - (c) define the objectives and criteria for mine closure including proposed rehabilitation objectives, performance, completion criteria and responsibilities;
 - (d) investigate options for the future use of the site;
 - (e) investigate ways to minimise the adverse socio-economic effects associated with mine closure, including the reduction in local and regional employment levels;
 - (f) describe the measures that would be implemented to minimise or manage the on-going environmental effects of the project; and
 - (g) describe how the performance of these measures would be monitored over time.

AIR QUALITY

Impact Assessment Criteria

16. The Proponent shall ensure that dust generated by the project does not cause exceedances of the criteria listed in Table 2 at any residence on privately-owned land.

Table 2: Long term impact assessment criteria for deposited dust

Pollutant	Averaging period	Maximum increase in deposited dust level	Maximum total deposited dust level
Deposited dust	Annual	2 g/m ² /month	4 g/m ² /month

Note: Deposited dust is assessed as insoluble solids as defined by Standards Australia, 1991, AS/NZS 3580.10.1-2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulates - Deposited Matter - Gravimetric Method.

Monitoring

17. The Proponent shall prepare and implement an Air Quality Monitoring Program for the project to the satisfaction of the Director-General. This program must:
 - (a) be submitted to the Director-General by the end of September 2008; and
 - (b) use dust deposition gauges to monitor the performance of the project.

ABORIGINAL HERITAGE

18. The Proponent shall not destroy any known Aboriginal objects (as defined in the *National Parks and Wildlife Act 1974*) without the written approval of the Director-General.

VISUAL

19. The Proponent shall:
 - (a) ensure no outdoor lights shine above the horizontal;
 - (b) ensure that all external lighting associated with the project complies with *Australian Standard AS4282 (INT) 1995 – Control of Obtrusive Effects of Outdoor Lighting*;
 - (c) take all practicable measures to mitigate off-site lighting impacts from the project; and
 - (d) minimise the visual impacts of the project, to the satisfaction of the Director-General.

TRANSPORT

Monitoring of Coal Transport

20. The Proponent shall keep records of the amount of coal transported from the site each year, and include these records in the AEMR.

Rutleys Road Intersection

21. The Proponent shall:
 - (a) complete a road safety audit of the intersection of Rutleys Road and Mannering Colliery Access Road by the end of March 2009;
 - (b) provide copies of this audit to RTA, WSC and the Director-General within one month of its completion; and
 - (c) implement any recommendations of this audit, or as otherwise approved by the Director-General.

GREENHOUSE AND ENERGY EFFICIENCY

22. The Proponent shall prepare and implement a Greenhouse and Energy Efficiency Plan for the project to the satisfaction of the Director-General. This plan must:
 - (a) be prepared in consultation with DECC and generally in accordance with the *Guidelines for Energy Savings Action Plans* (DEUS 2005, or its latest version);
 - (b) be submitted to the Director-General for approval by the end of September 2008;
 - (c) include a program to monitor greenhouse gas emissions and energy use generated by the project;
 - (d) include a framework for investigating and implementing measures to reduce greenhouse gas emissions and energy use at the site; and
 - (e) describe how the performance of these measures would be monitored over time.

WASTE

23. The Proponent shall:
- (a) monitor the amount of waste generated by the project;
 - (b) investigate ways to minimise waste generated by the project;
 - (c) implement reasonable and feasible measures to minimise waste generated by the project; and
 - (d) report on waste management and minimisation in the AEMR, to the satisfaction of the Director-General.

SCHEDULE 4 ADDITIONAL PROCEDURES

INDEPENDENT REVIEW

1. If a landowner considers the project to be exceeding the impact assessment criteria in schedule 3, then he/she may ask the Director-General in writing for an independent review of the impacts of the project on his/her land.

If the Director-General is satisfied that an independent review is warranted, the Proponent shall within 2 months of the Director-General's decision:

- (a) consult with the landowner to determine his/her concerns;
 - (b) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Director-General, to conduct monitoring on the land, to:
 - determine whether the project is complying with the relevant impact assessment criteria in schedule 3; and
 - identify the source(s) and scale of any impact on the land, and the project's contribution to this impact; and
 - give the Director-General and landowner a copy of the independent review.
2. If the independent review determines that the project is complying with the relevant impact assessment criteria in schedule 3, then the Proponent may discontinue the independent review with the approval of the Director-General.
 3. If the independent review determines that the project is not complying with the relevant impact assessment criteria in schedule 3, and that the project is primarily responsible for this non-compliance, then the Proponent shall:
 - (a) take all reasonable and feasible measures, in consultation with the landowner, to ensure that the project complies with the relevant criteria; and
 - (b) conduct further monitoring to determine whether these measures ensure compliance.

If the additional monitoring referred to above subsequently determines that the project is complying with the relevant criteria in schedule 3, or the Proponent and landowner enter into a negotiated agreement to allow these exceedances, then the Proponent may discontinue the independent review with the approval of the Director-General.

4. If the independent review determines that the relevant criteria in schedule 3 are being exceeded, but that more than one project is responsible for this non-compliance, then the Proponent shall, together with the relevant project/s:
 - (a) take all reasonable and feasible measures, in consultation with the landowner, to ensure that the relevant criteria are complied with; and
 - (b) conduct further monitoring to determine whether these measures ensure compliance; or
 - (c) secure a written agreement with the landowner and other relevant projects to allow exceedances of the criteria in schedule 3,to the satisfaction of the Director-General.

If the additional monitoring referred to above subsequently determines that the projects are complying with the relevant criteria in schedule 3, then the Proponent may discontinue the independent review with the approval of the Director-General.

5. If the landowner disputes the results of the independent review, either the Proponent or the landowner may refer the matter to the Director-General for resolution.

If the matter cannot be resolved within 21 days, the Director-General shall refer the matter to an Independent Dispute Resolution Process.

SCHEDULE 5

ENVIRONMENTAL MANAGEMENT, MONITORING, AUDITING AND REPORTING

ENVIRONMENTAL MANAGEMENT STRATEGY

1. The Proponent shall prepare and implement an Environmental Management Strategy for the project to the satisfaction of the Director-General. This strategy must be submitted to the Director-General by the end of September 2008, and:
 - (a) provide the strategic framework for environmental management of the project;
 - (b) identify the statutory requirements that apply to the project;
 - (c) describe in general how the environmental performance of the project would be monitored and managed;
 - (d) describe the procedures that would be implemented to:
 - keep the local community and relevant agencies informed about the operation and environmental performance of the project;
 - receive, handle, respond to, and record complaints;
 - resolve any disputes that may arise during the course of the project;
 - respond to any non-compliance;
 - manage cumulative impacts; and
 - respond to emergencies; and
 - (e) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project.

ENVIRONMENTAL MONITORING PROGRAM

2. The Proponent shall prepare and implement an Environmental Monitoring Program for the project to the satisfaction of the Director-General. This program must be submitted to the Director-General by the end of September 2008 and consolidate the various monitoring requirements in schedule 3 of this approval into a single document.

INCIDENT REPORTING

3. Within 24 hours of detecting an exceedance of the limits/performance criteria in this approval, or the occurrence of an incident that causes (or may cause) material harm to the environment, the Proponent shall notify the Department and other relevant agencies of the exceedance/incident.
4. Within 6 days of notifying the Department and other relevant agencies of an exceedance/incident, the Proponent shall provide the Department and these agencies with a written report that:
 - (a) describes the date, time, and nature of the exceedance/incident;
 - (b) identifies the cause (or likely cause) of the exceedance/incident;
 - (c) describes what action has been taken to date; and
 - (d) describes the proposed measures to address the exceedance/incident.

ANNUAL REPORTING

4. By the end of February 2009, and annually thereafter, the Proponent shall submit an AEMR to the Director-General and relevant agencies. This report must:
 - (a) identify the standards and performance measures that apply to the project;
 - (b) describe the works carried out in the last 12 months;
 - (c) describe the works that will be carried out in the next 12 months;
 - (d) include a summary of the complaints received during the past year, and compare this to the complaints received in previous years;
 - (e) include a summary of the monitoring results for the project during the past year;
 - (f) include an analysis of these monitoring results against the relevant:
 - impact assessment criteria/limits;
 - monitoring results from previous years; and
 - predictions in the EA;
 - (g) identify any trends in monitoring results over the life of the project;
 - (h) identify any non-compliance during the previous year; and
 - (i) describe what actions were, or are being, taken to ensure compliance.

INDEPENDENT ENVIRONMENTAL AUDIT

5. By the end of March 2010, and every 3 years thereafter, unless the Director-General directs otherwise, the Proponent shall commission and pay the full cost of an Independent Environmental Audit of the project.

This audit must:

- (a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Director-General;
- (b) include consultation with the relevant agencies;
- (c) assess the environmental performance of the project, and its effects on the surrounding environment;
- (d) assess whether the project is complying with the relevant standards, performance measures and statutory requirements in this approval and any associated EPL or Mining Lease (including any strategy, plan or program under these approvals);
- (e) review the adequacy of any strategy/plan/program required under these approvals; and, if necessary,
- (f) recommend measures or actions to improve the environmental performance of the project, and/or any strategy/plan/program required under these approvals.

Note: This audit team must be led by a suitably qualified auditor and include experts in the fields of noise and water management.

6. Within 6 weeks of the completion of this audit, or as otherwise agreed by the Director-General, the Proponent shall submit a copy of the audit report to the Director-General, together with its response to any recommendations contained in the audit report.
7. Within 3 months of submitting the audit report to the Director-General, the Proponent shall review, and if necessary revise, all relevant strategies/plans/programs required under this approval to the satisfaction of the Director-General.

COMMUNITY CONSULTATIVE COMMITTEE

8. By the end of September 2008, or other date agreed by the Director-General, the Proponent shall establish a Community Consultative Committee (CCC) for the project to the satisfaction of the Director-General, in general accordance with the *Guideline for Establishing and Operating Community Consultative Committees for Mining Projects (Department of Planning, 2007)*, or its latest version.

Note: The CCC is an advisory committee. The Department and other relevant agencies are responsible for ensuring that the Proponent complies with this approval.

ACCESS TO INFORMATION

9. Within 3 months of the approval of any strategy/plan/program required under this approval (or any subsequent revision of these strategies/plans/programs), or the completion of the audits or AEMRs required under this approval, the Proponent shall:
- (a) provide a copy of the relevant document/s to the relevant agencies and CCC; and
 - (b) put a copy of the document/s on its website.
10. From the end of September 2008, and thereafter during the project, the Proponent shall:
- (a) provide a copy of this approval as may be modified from time to time on its website;
 - (b) provide a comprehensive, running summary of monitoring results required under this approval on its website; and
 - (c) update this summary on a regular basis (at least every 3 months).

APPENDIX 1: SCHEDULE OF PROJECT LAND

Mannering Colliery EA – Schedule of Land to which the EA Applies

Lot	DP	Section	Lot	DP	Section	Lot	DP	Section	Lot	DP	Section
1	1596	J	3	1596	O	5	1596	E	8	1596	R
1	1596	A	3	1596	Q	5	1596	H	8	1596	K
1	1596	M	3	1596	K	5	1596	G	8	1596	O
1	1596	C	3	1596	P	6	1596	J	8	1596	M
1	1596	N	3	1596	D	6	1596	I	8	1596	N
1	1596	B	3	1596	V	6	1596	N	8	1596	T
1	1596	I	3	1596	T	6	1596	M	8	1596	P
1	1596	L	3	1596	U	6	1596	A	8	1596	U
1	1596	V	3	1596	S	6	1596	C	8	1596	D
1	1596	P	3	1596	E	6	1596	B	8	1596	S
1	1596	Q	3	1596	H	6	1596	Q	8	1596	V
1	1596	O	3	1596	G	6	1596	K	8	1596	L
1	1596	K	4	1596	M	6	1596	V	8	1596	H
1	1596	R	4	1596	A	6	1596	T	8	1596	E
1	1596	D	4	1596	C	6	1596	O	8	1596	G
1	1596	T	4	1596	I	6	1596	R	9	1596	B
1	1596	S	4	1596	B	6	1596	P	9	1596	A
1	1596	U	4	1596	N	6	1596	D	9	1596	I
1	1596	H	4	1596	J	6	1596	L	9	1596	M
1	1596	G	4	1596	R	6	1596	S	9	1596	Q
1	1596	E	4	1596	L	6	1596	U	9	1596	O
2	1596	C	4	1596	O	6	1596	G	9	1596	K
2	1596	N	4	1596	Q	6	1596	H	9	1596	J
2	1596	J	4	1596	D	6	1596	E	9	1596	N
2	1596	B	4	1596	T	7	1596	B	9	1596	R
2	1596	I	4	1596	P	7	1596	C	9	1596	T
2	1596	M	4	1596	V	7	1596	I	9	1596	P
2	1596	A	4	1596	K	7	1596	A	9	1596	S
2	1596	R	4	1596	U	7	1596	M	9	1596	U
2	1596	T	4	1596	S	7	1596	J	9	1596	V
2	1596	Q	4	1596	H	7	1596	Q	9	1596	D
2	1596	K	4	1596	G	7	1596	N	9	1596	L
2	1596	P	4	1596	E	7	1596	V	9	1596	G
2	1596	O	5	1596	M	7	1596	O	9	1596	E
2	1596	D	5	1596	N	7	1596	R	9	1596	C
2	1596	V	5	1596	I	7	1596	K	9	1596	H
2	1596	L	5	1596	A	7	1596	T	10	1596	B
2	1596	S	5	1596	C	7	1596	P	10	1596	I
2	1596	U	5	1596	B	7	1596	D	10	1596	M
2	1596	H	5	1596	J	7	1596	L	10	1596	A
2	1596	G	5	1596	Q	7	1596	S	10	1596	Q
2	1596	E	5	1596	L	7	1596	U	10	1596	R
3	1596	A	5	1596	V	7	1596	G	10	1596	O
3	1596	I	5	1596	K	7	1596	H	10	1596	N
3	1596	M	5	1596	O	7	1596	E	10	1596	K

Lot	DP	Section	Lot	DP	Section	Lot	DP	Section	Lot	DP	Section
3	1596	N	5	1596	P	8	1596	C	10	1596	J
3	1596	B	5	1596	T	8	1596	I	10	1596	T
3	1596	C	5	1596	R	8	1596	A	10	1596	P
3	1596	J	5	1596	U	8	1596	J	10	1596	S
3	1596	L	5	1596	S	8	1596	B	10	1596	U
3	1596	R	5	1596	D	8	1596	Q	10	1596	V
10	1596	D	13	1596	K	16	1596	Q	19	1596	J
10	1596	L	13	1596	T	16	1596	J	19	1596	N
10	1596	C	13	1596	O	16	1596	K	19	1596	K
10	1596	E	13	1596	J	16	1596	O	19	1596	T
10	1596	G	13	1596	R	16	1596	N	19	1596	S
10	1596	H	13	1596	S	16	1596	T	19	1596	V
11	1596	A	13	1596	D	16	1596	R	19	1596	P
11	1596	M	13	1596	P	16	1596	P	19	1596	R
11	1596	B	13	1596	V	16	1596	D	19	1596	U
11	1596	I	13	1596	L	16	1596	L	19	1596	C
11	1596	Q	13	1596	U	16	1596	U	19	1596	H
11	1596	K	13	1596	C	16	1596	V	19	1596	G
11	1596	O	13	1596	G	16	1596	S	20	1596	I
11	1596	J	13	1596	H	16	1596	H	20	1596	M
11	1596	T	14	1596	I	16	1596	G	20	1596	Q
11	1596	R	14	1596	M	16	1596	C	20	1596	K
11	1596	N	14	1596	Q	17	1596	I	20	1596	J
11	1596	P	14	1596	T	17	1596	M	20	1596	N
11	1596	S	14	1596	O	17	1596	Q	20	1596	O
11	1596	L	14	1596	K	17	1596	O	20	1596	V
11	1596	D	14	1596	N	17	1596	J	20	1596	R
11	1596	U	14	1596	J	17	1596	K	20	1596	T
11	1596	V	14	1596	L	17	1596	N	20	1596	U
11	1596	H	14	1596	S	17	1596	R	20	1596	P
11	1596	G	14	1596	P	17	1596	T	20	1596	S
11	1596	C	14	1596	V	17	1596	U	20	1596	G
11	1596	E	14	1596	R	17	1596	V	20	1596	C
12	1596	B	14	1596	D	17	1596	P	20	1596	H
12	1596	M	14	1596	U	17	1596	S	21	1596	M
12	1596	I	14	1596	C	17	1596	G	21	1596	I
12	1596	A	14	1596	H	17	1596	H	21	1596	Q
12	1596	Q	14	1596	G	17	1596	C	21	1596	K
12	1596	O	15	1596	M	18	1596	I	21	1596	N
12	1596	K	15	1596	I	18	1596	M	21	1596	J
12	1596	J	15	1596	Q	18	1596	Q	21	1596	O
12	1596	R	15	1596	N	18	1596	O	21	1596	T
12	1596	N	15	1596	O	18	1596	K	21	1596	U
12	1596	T	15	1596	J	18	1596	J	21	1596	R
12	1596	S	15	1596	K	18	1596	N	21	1596	P
12	1596	V	15	1596	U	18	1596	R	21	1596	S
12	1596	P	15	1596	S	18	1596	V	21	1596	G
12	1596	D	15	1596	V	18	1596	T	21	1596	C
12	1596	L	15	1596	T	18	1596	U	21	1596	H

Lot	DP	Section	Lot	DP	Section	Lot	DP	Section	Lot	DP	Section
12	1596	U	15	1596	R	18	1596	P	22	1596	I
12	1596	G	15	1596	P	18	1596	S	22	1596	M
12	1596	E	15	1596	D	18	1596	C	22	1596	Q
12	1596	C	15	1596	L	18	1596	G	22	1596	N
12	1596	H	15	1596	H	18	1596	H	22	1596	O
13	1596	I	15	1596	C	19	1596	M	22	1596	J
13	1596	M	15	1596	G	19	1596	I	22	1596	K
13	1596	Q	16	1596	I	19	1596	Q	22	1596	U
13	1596	N	16	1596	M	19	1596	O	22	1596	S
22	1596	P	26	1596	N	30	1596	I	34	1596	K
22	1596	T	26	1596	K	30	1596	K	34	1596	Q
22	1596	R	26	1596	R	30	1596	R	34	1596	N
22	1596	H	26	1596	T	30	1596	Q	34	1596	T
22	1596	G	26	1596	S	30	1596	J	34	1596	J
22	1596	C	26	1596	U	30	1596	O	34	1596	G
23	1596	I	26	1596	P	30	1596	N	35	1596	K
23	1596	M	26	1596	J	30	1596	S	35	1596	R
23	1596	J	26	1596	C	30	1596	U	35	1596	Q
23	1596	O	26	1596	G	30	1596	T	35	1596	O
23	1596	K	27	1596	M	30	1596	P	35	1596	N
23	1596	Q	27	1596	I	30	1596	G	35	1596	T
23	1596	N	27	1596	K	31	1596	M	35	1596	J
23	1596	S	27	1596	Q	31	1596	I	35	1596	G
23	1596	T	27	1596	R	31	1596	N	36	1596	K
23	1596	R	27	1596	O	31	1596	T	36	1596	R
23	1596	P	27	1596	J	31	1596	K	36	1596	O
23	1596	U	27	1596	N	31	1596	J	36	1596	T
23	1596	C	27	1596	P	31	1596	O	36	1596	Q
23	1596	G	27	1596	T	31	1596	P	36	1596	N
24	1596	I	27	1596	S	31	1596	R	36	1596	J
24	1596	M	27	1596	U	31	1596	Q	36	1596	G
24	1596	O	27	1596	G	31	1596	S	37	1596	Q
24	1596	K	27	1596	C	31	1596	U	1A	1596	H
24	1596	R	28	1596	M	31	1596	G	20A	1596	O
24	1596	N	28	1596	I	32	1596	M	20A	1596	K
24	1596	Q	28	1596	R	32	1596	I	20A	1596	R
24	1596	J	28	1596	Q	32	1596	O	20A	1596	T
24	1596	P	28	1596	J	32	1596	K	21A	1596	K
24	1596	U	28	1596	K	32	1596	N	21A	1596	O
24	1596	S	28	1596	O	32	1596	Q	21A	1596	T
24	1596	T	28	1596	N	32	1596	T	21A	1596	R
24	1596	C	28	1596	U	32	1596	P	26A	1596	K
24	1596	G	28	1596	S	32	1596	R	26A	1596	O
25	1596	M	28	1596	P	32	1596	S	26A	1596	R
25	1596	I	28	1596	T	32	1596	U	26A	1596	T
25	1596	J	28	1596	G	32	1596	G	27A	1596	K
25	1596	R	28	1596	C	32	1596	J	27A	1596	R
25	1596	O	29	1596	I	33	1596	M	27A	1596	O
25	1596	N	29	1596	M	33	1596	I	27A	1596	T

Lot	DP	Section	Lot	DP	Section	Lot	DP	Section	Lot	DP	Section
25	1596	K	29	1596	N	33	1596	R	1	2310	H
25	1596	Q	29	1596	K	33	1596	Q	1	2310	A
25	1596	S	29	1596	J	33	1596	N	1	2310	G
25	1596	U	29	1596	O	33	1596	T	1	2310	N
25	1596	P	29	1596	R	33	1596	O	1	2310	O
25	1596	T	29	1596	Q	33	1596	K	1	2310	P
25	1596	G	29	1596	S	33	1596	J	1	2310	J
25	1596	C	29	1596	T	33	1596	G	1	2310	F
26	1596	I	29	1596	U	34	1596	M	1	2310	M
26	1596	M	29	1596	P	34	1596	I	1	2310	B
26	1596	O	29	1596	G	34	1596	R	1	2310	D
26	1596	Q	30	1596	M	34	1596	O	1	2310	E
1	2310	Q	5	2310	J	8	2310	D	12	2310	D
1	2310	K	5	2310	P	9	2310	N	12	2310	E
1	2310	L	5	2310	L	9	2310	O	12	2310	L
2	2310	N	5	2310	B	9	2310	A	12	2310	K
2	2310	A	5	2310	M	9	2310	G	12	2310	Q
2	2310	G	5	2310	Q	9	2310	H	13	2310	H
2	2310	O	5	2310	K	9	2310	F	13	2310	O
2	2310	H	5	2310	E	9	2310	M	13	2310	N
2	2310	F	6	2310	G	9	2310	B	13	2310	G
2	2310	J	6	2310	A	9	2310	J	13	2310	F
2	2310	E	6	2310	H	9	2310	P	13	2310	B
2	2310	B	6	2310	N	9	2310	D	13	2310	P
2	2310	K	6	2310	O	9	2310	Q	13	2310	K
2	2310	Q	6	2310	F	9	2310	E	13	2310	Q
2	2310	P	6	2310	L	9	2310	L	13	2310	D
2	2310	L	6	2310	P	9	2310	K	13	2310	L
2	2310	M	6	2310	J	10	2310	O	14	2310	H
2	2310	D	6	2310	M	10	2310	G	14	2310	N
3	2310	A	6	2310	B	10	2310	A	14	2310	O
3	2310	N	6	2310	Q	10	2310	N	14	2310	G
3	2310	O	6	2310	K	10	2310	H	14	2310	P
3	2310	G	6	2310	E	10	2310	P	14	2310	J
3	2310	H	6	2310	D	10	2310	F	14	2310	K
3	2310	F	7	2310	G	10	2310	M	14	2310	Q
3	2310	J	7	2310	O	10	2310	J	14	2310	L
3	2310	L	7	2310	A	10	2310	B	14	2310	D
3	2310	K	7	2310	H	10	2310	D	15	2310	O
3	2310	P	7	2310	N	10	2310	E	15	2310	N
3	2310	E	7	2310	F	10	2310	Q	15	2310	H
3	2310	B	7	2310	M	10	2310	L	15	2310	G
3	2310	Q	7	2310	L	10	2310	K	15	2310	P
3	2310	M	7	2310	J	11	2310	N	15	2310	J
4	2310	N	7	2310	P	11	2310	G	15	2310	K
4	2310	O	7	2310	Q	11	2310	O	15	2310	Q
4	2310	H	7	2310	B	11	2310	H	15	2310	D
4	2310	A	7	2310	D	11	2310	F	16	2310	H
4	2310	G	7	2310	E	11	2310	B	16	2310	O

Lot	DP	Section	Lot	DP	Section	Lot	DP	Section	Lot	DP	Section
4	2310	F	7	2310	K	11	2310	A	16	2310	N
4	2310	P	8	2310	N	11	2310	P	16	2310	G
4	2310	M	8	2310	H	11	2310	K	16	2310	J
4	2310	Q	8	2310	G	11	2310	D	16	2310	P
4	2310	K	8	2310	A	11	2310	L	16	2310	Q
4	2310	L	8	2310	O	11	2310	Q	16	2310	K
4	2310	J	8	2310	F	11	2310	E	16	2310	D
4	2310	E	8	2310	M	12	2310	N	17	2310	N
4	2310	B	8	2310	P	12	2310	O	17	2310	O
5	2310	N	8	2310	Q	12	2310	H	17	2310	H
5	2310	O	8	2310	B	12	2310	G	17	2310	G
5	2310	H	8	2310	J	12	2310	F	17	2310	M
5	2310	A	8	2310	E	12	2310	P	17	2310	J
5	2310	G	8	2310	K	12	2310	B	17	2310	L
5	2310	F	8	2310	L	12	2310	A	17	2310	P
17	2310	Q	23	2310	G	7	31200	-	18	204997	-
17	2310	K	23	2310	O	1	31200	-	61	211856	-
18	2310	O	23	2310	H	9	31200	-	79	211856	-
18	2310	H	23	2310	N	3	31200	-	70	211856	-
18	2310	N	23	2310	M	6	31200	-	69	211856	-
18	2310	G	23	2310	L	11	31200	-	67	211856	-
18	2310	P	23	2310	P	5	31200	-	71	211856	-
18	2310	M	23	2310	Q	4	31200	-	64	211856	-
18	2310	J	23	2310	J	2	31200	-	63	211856	-
18	2310	Q	23	2310	K	10	31200	-	68	211856	-
18	2310	L	24	2310	O	12	31200	-	65	211856	-
18	2310	K	24	2310	G	72	31204	-	66	211856	-
19	2310	H	24	2310	H	67	31204	-	72	211856	-
19	2310	N	24	2310	N	71	31204	-	62	211856	-
19	2310	G	24	2310	P	88	31204	-	76	211856	-
19	2310	O	24	2310	J	70	31204	-	77	211856	-
19	2310	P	24	2310	M	74	31204	-	74	211856	-
19	2310	L	24	2310	L	87	31204	-	73	211856	-
19	2310	M	24	2310	Q	78	31204	-	75	211856	-
19	2310	K	24	2310	K	76	31204	-	78	211856	-
19	2310	Q	25	2310	P	77	31204	-	2	213057	-
19	2310	J	25	2310	J	68	31204	-	12	213057	-
20	2310	N	25	2310	M	73	31204	-	9	213057	-
20	2310	O	26	2310	P	75	31204	-	10	213057	-
20	2310	H	26	2310	M	61	31204	-	16	213057	-
20	2310	G	26	2310	J	65	31204	-	6	213057	-
20	2310	P	3	23968	-	66	31204	-	7	213057	-
20	2310	J	13	30053	-	60	31204	-	15	213057	-
20	2310	Q	12	30053	-	63	31204	-	13	213057	-
20	2310	K	14	30053	-	64	31204	-	11	213057	-
20	2310	L	15	30053	-	62	31204	-	14	213057	-
20	2310	M	31	30053	-	1	111890	-	17	213057	-
21	2310	G	30	30053	-	1	124592	-	8	213057	-
21	2310	O	29	30053	-	1	134136	-	1	213057	-

Lot	DP	Section	Lot	DP	Section	Lot	DP	Section	Lot	DP	Section
21	2310	N	28	30053	-	17	204997	-	26	213057	R
21	2310	H	25	30053	-	7	204997	-	23	213057	-
21	2310	M	34	30053	-	11	204997	-	34	213057	-
21	2310	Q	19	30053	-	14	204997	-	27	213057	R
21	2310	J	16	30053	-	1	204997	-	18	213057	-
21	2310	P	20	30053	-	16	204997	-	21	213057	-
21	2310	K	24	30053	-	4	204997	-	28	213057	-
21	2310	L	21	30053	-	20	204997	-	31	213057	-
22	2310	G	17	30053	-	8	204997	-	35	213057	-
22	2310	O	32	30053	-	6	204997	-	19	213057	-
22	2310	N	33	30053	-	5	204997	-	29	213057	-
22	2310	H	23	30053	-	15	204997	-	30	213057	-
22	2310	K	26	30053	-	2	204997	-	41	213057	-
22	2310	P	27	30053	-	9	204997	-	24	213057	-
22	2310	L	22	30053	-	19	204997	-	38	213057	-
22	2310	Q	14	31200	-	3	204997	-	25	213057	-
22	2310	J	13	31200	-	10	204997	-	33	213057	-
22	2310	M	8	31200	-	12	204997	-	20	213057	-
40	213057	-	88	216670	-	21	226214	-	11	236601	-
37	213057	-	85	216670	-	14	226214	-	12	236601	-
39	213057	-	84	216670	-	9	226214	-	37	238646	-
22	213057	-	86	216670	-	19	226214	-	38	238646	-
36	213057	-	92	216670	-	13	226214	-	36	238646	-
32	213057	-	82	216670	-	1	226214	-	31	238646	-
22	213541	-	89	216670	-	4	226214	-	33	238646	-
3	213541	-	93	216670	-	2	226214	-	35	238646	-
16	213541	-	81	220400	-	20	226214	-	34	238646	-
15	213541	-	82	220400	-	15	226214	-	32	238646	-
12	213541	-	80	220400	-	2	227442	-	13	242418	-
9	213541	-	78	220400	-	3	227442	-	2	242418	-
7	213541	-	76	220400	-	11	228312	-	1	242418	-
2	213541	-	83	220400	-	16	228312	-	12	242418	-
4	213541	-	79	220400	-	15	228312	-	10	242418	-
17	213541	-	77	220400	-	18	228312	-	9	242418	-
21	213541	-	100	220401	-	13	228312	-	3	242418	-
13	213541	-	98	220401	-	19	228312	-	11	242418	-
14	213541	-	102	220401	-	17	228312	-	7	242418	-
10	213541	-	99	220401	-	13	229014	-	8	242418	-
6	213541	-	101	220401	-	1	229014	-	21	243555	-
5	213541	-	4	223555	-	18	229014	-	23	243555	-
19	213541	-	8	223555	-	19	229014	-	24	243555	-
18	213541	-	10	223555	-	21	229014	-	22	243555	-
20	213541	-	3	223555	-	8	229014	-	20	243555	-
11	213541	-	7	223555	-	20	229014	-	6	245573	-
1	213541	-	9	223555	-	9	229014	-	2	245573	-
8	213541	-	11	223555	-	5	229014	-	18	245573	-
1	214857	-	6	223555	-	7	229014	-	4	245573	-
14	215174	-	5	223555	-	2	229014	-	17	245573	-
17	215174	-	12	223555	-	15	229014	-	12	245573	-

Lot	DP	Section	Lot	DP	Section	Lot	DP	Section	Lot	DP	Section
16	215174	-	13	223555	-	3	229014	-	20	245573	-
13	215174	-	1	223555	-	17	229014	-	8	245573	-
11	215174	-	2	223555	-	14	229014	-	19	245573	-
2	215174	-	14	223555	-	6	229014	-	13	245573	-
9	215174	-	19	223555	-	4	229014	-	1	245573	-
1	215174	-	15	223555	-	16	229014	-	11	245573	-
3	215174	-	17	223555	-	10	229014	-	5	245573	-
12	215174	-	18	223555	-	1	229068	-	7	245573	-
5	215174	-	16	223555	-	8	229068	-	10	245573	-
8	215174	-	22	226214	-	6	229068	-	3	245573	-
6	215174	-	16	226214	-	7	229068	-	9	245573	-
10	215174	-	18	226214	-	4	229068	-	21	245573	-
7	215174	-	17	226214	-	5	229068	-	2	256663	-
4	215174	-	11	226214	-	2	229068	-	A	368634	-
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33	755242	-	1	794393	-	43	1035946	-	432	1043766	-
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Lot	DP	Section	Lot	DP	Section	Lot	DP	Section	Lot	DP	Section
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212	1045774	-	511	1047107	-	1	SP 33591	-	43	SP 64978	-
214	1045774	-	505	1047107	-	2	SP 33592	-	44	SP 65565	-
227	1045774	-	510	1047107	-	3	SP 33593	-	1	SP 71883	-
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APPENDIX 2: PROJECT MAPS

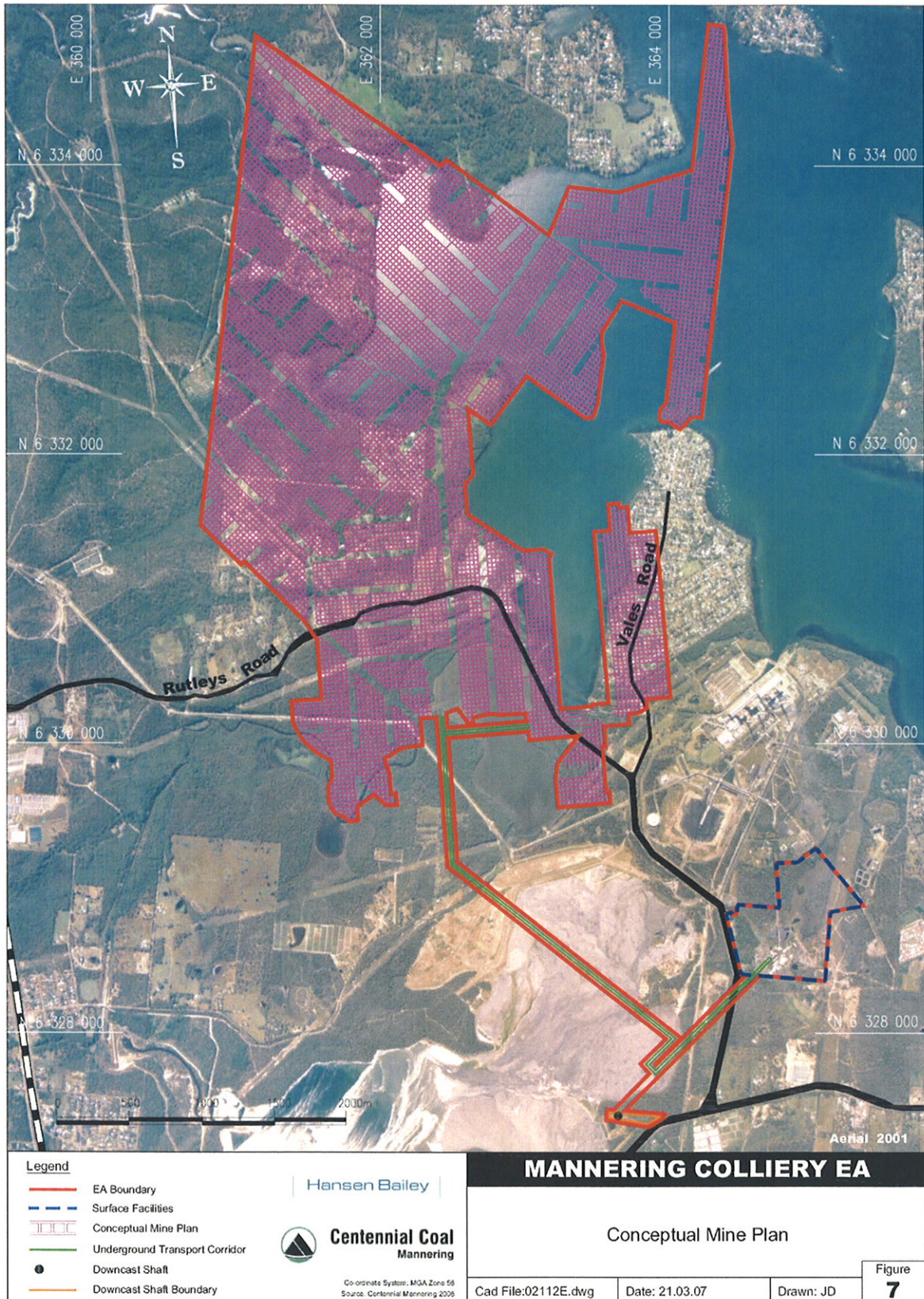


Figure 1: Conceptual Mine Plan



Figure 2: Potentially Sensitive Surface Features

APPENDIX 3: STATEMENT OF COMMITMENTS

Ref	Commitment
Mine Operation	
1	The Project will not result in the extraction of more than 1.1 Mtpa of ROM coal. Annual production will be reported in the AEMR.
2	The Project will only result in the extraction of coal from within the conceptual mine plan over a 10 year period shown on Figure 7 (with minor variations to headings and orientation).
3	Underground mining of coal will continue to be carried out utilising the bord and pillar mining method to ensure that there will be no noticeable surface impacts.
4	The hours of operation will remain unchanged at 24 hours a day, 7 days per week.
5	Manning full-time equivalent employees will remain at approximately 90 directly employed persons.
6	All coal produced will be transported directly to Vales Point Power Station via the dedicated overland conveyor. There will be no coal haulage on public roads.
7	Manning will continue to stockpile up to 25,000 tonnes of ROM coal on-site in periods when Vales Point Power Station are unable to accept deliveries.
8	The equipment fleet utilised at Manning will remain generally consistent with the current fleet.
9	The existing workings at Manning will continue to be relied upon for ventilation purposes and for any required emergency evacuation.
10	Manning will continue to utilise all current infrastructure as shown on Figure 5 and downcast shaft shown on Figure 7 .
Surface Water	
11	The maximum predicted external water extracted from WSC sources will not exceed 70 ML without prior consultation with WSC.
12	Manning will implement ongoing water management to minimise usage of water supplied by WSC.
13	All surface water run-off from surface infrastructure areas will continue to be captured and directed to the existing sediment pond systems prior to discharge off-site.
14	Manning will continue to pump underground mine water and groundwater to the surface and transfer to the Settlement Pond B system for pollution control prior to discharge off-site in accordance with EPL 191.
15	A Bore Licence will be obtained in accordance with Part 5 of the Water Act to extract groundwater from the underground workings.
Groundwater	

Ref	Commitment
16	A flow meter will be installed on the pump from the underground workings to monitor the volume of water being pumped from the mine workings to the surface, the results from which will be reported in the AEMR.
Noise	
17	A relevant noise monitoring program will be developed and implemented for the Project. The results will be reported in the AEMR.
Air Quality	
18	Dust deposition will continue to be monitored at the locations shown on Figure 5 in accordance with the requirements of EPL 191. The results will be reported in the AEMR.
19	Centennial will continue to invest in research for clean coal technologies to identify areas to improve energy efficiency within the business and limit its impacts towards greenhouse gas emissions.
Traffic	
20	A traffic safety audit will be undertaken for the intersection of the Mannering Access Road with Rutleys Road within five years of receipt of Project Approval or as otherwise agreed with the Director General. This will be undertaken in consultation with relevant regulators.
Mannering Surface Disturbance Protocol	
21	Mannering will implement the Surface Disturbance Protocol outlined in Section 7.16 for any minor mining related infrastructure that is required to be developed within the EA Boundary which is not exempt or complying development under section 10 of SEPP (Mining).
Environmental Management Strategy and Monitoring Program (EMS & MP)	
22	Mannering will develop and implement an EMS & MP which shall include Subsidence, Noise, Groundwater, Surface Water, Air Quality and Waste Management. The EMS & MP will be developed in consultation with relevant regulators, to the approval of DoP. Results will be reported annually in the AEMR.
Community Contributions	
23	A VPA is being negotiated with each of the WSC and LMCC to provide for infrastructure requirements associated with the Project.
AEMR	
24	Mannering will prepare and submit to the relevant regulatory agencies an AEMR which shall include a discussion on predictions and commitments made within the EA. The AEMR will also be made publicly available at the mine.
Mine Closure Plan	
25	A Mine Closure Plan will be prepared for Mannering five years in advance of mine closure.

APPENDIX 4: NOISE ASSESSMENT LOCATIONS

Private Property Surrounding Mannering
(Location of ID numbers are shown on following figure)

ID	Owner	ID	Owner	ID	Owner
1	Energy Australia	27	H Gleeson	53	H & J Beukers
2	Alcevski Investments	28	C Stead & M Garner	54	A Taylor-Stewart
3	Eaton & Sons Pty Ltd	29	A O'Keefe	55	G Kettles
4	O & J di Rocco	30	P Groen	56	R & E Brokenshire
5	A & M Keighran	31	M Parkin	57	B & S Fowler
6	Swan HydroPonics Pty Ltd	32	I Maclaren	58	B Sneddon
7	R Druitt	33	P Kranz	59	J & P Hanson
8	D & M May	34	T & V Wilding	60	L Crook & L Kelly
9	L F Jeans	35	G Williams	61	P & G Becker
10	L & J Jeans	36	P & C Byrnes	62	B Clover & R Alaban
11	L & J Jeans	37	G Holmes	63	T & O Becker
12	L & J Jeans	38	R & B Croucher	64	R Harris & D Kingsford
13	L & J Jeans	39	R & C Calvert	65	N Singleton
14	L & J Jeans	40	T & D Stolz	66	M Smith
15	L & J Jeans	41	A & S Whitbread	67	D & B Johnston
16	L & J Jeans	42	B Kelly	68	R & B Amos
17	L & J Jeans	43	L Preston	69	H & C Strand
18	L & J Jeans	44	G Bain	70	PhystonPty Ltd
19	L & J Jeans	45	C Clarke	71	R Howland
20	E & K Knight	46	W Carpenter	72	R & D Shannon
21	Jonita Homes Pty Ltd	47	S Mackay	73	P & B Williams
22	W & D Buchmasser	48	R Allen	74	P Batten
23	P McKee	49	S Jopp	75	G & A Dyer
24	J Farrell	50	P & M Davie	76	S Harrison & N Robertson
25	P Kretchmer & E Castle	51	D Olsen		
26	A Mearns	52	D Poulson & K Toope		

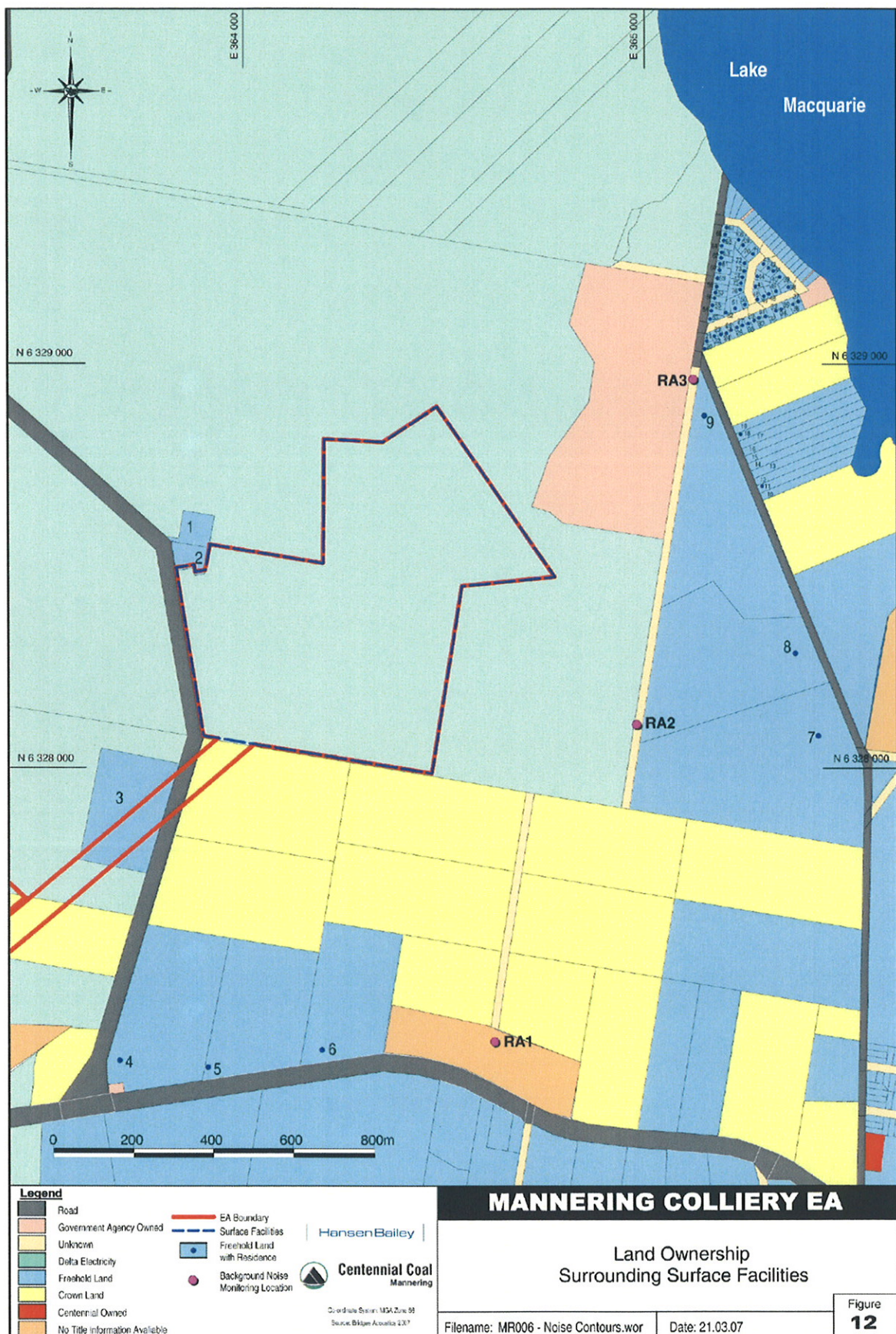
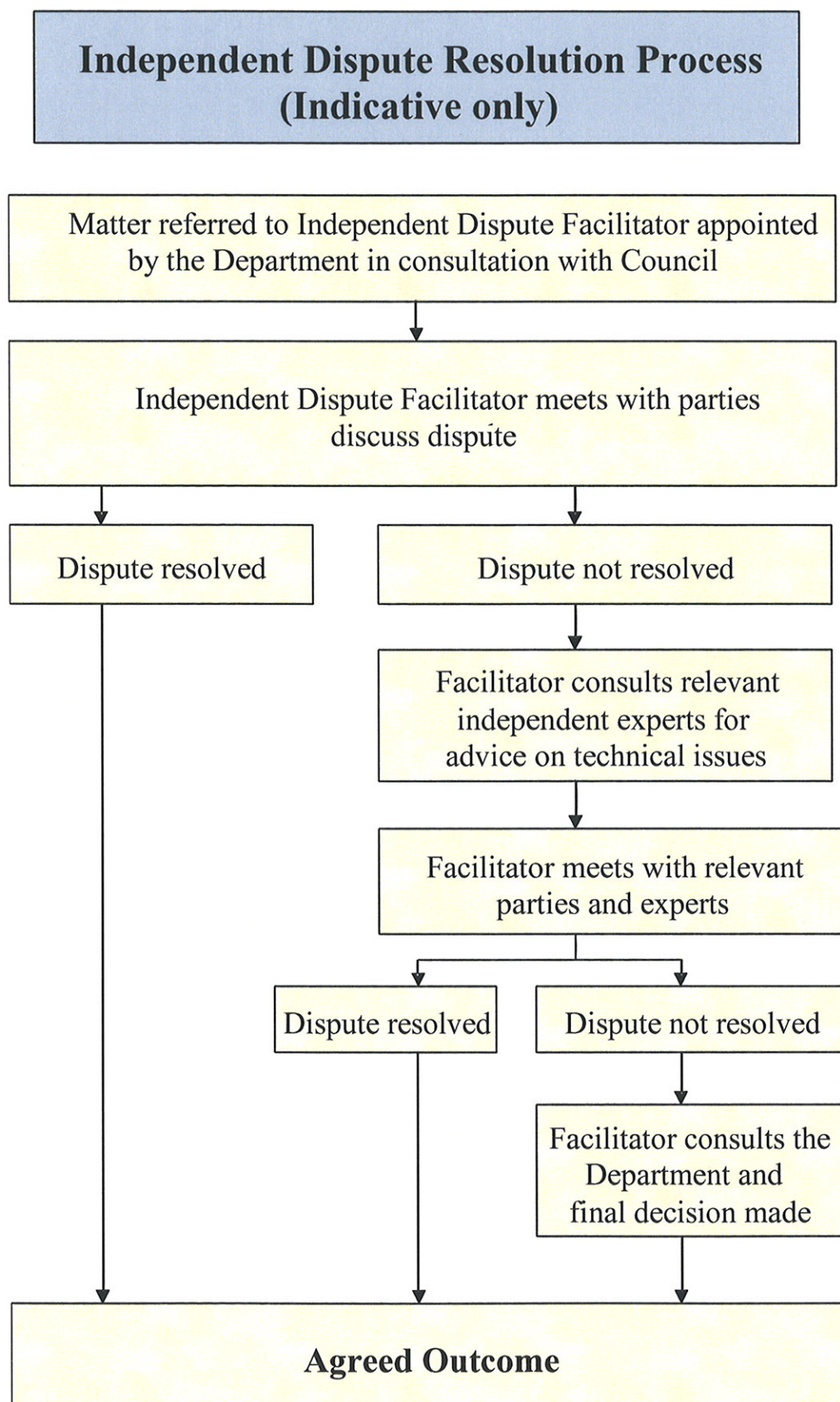


Figure 3: Land Ownership (noise assessment locations)

APPENDIX 5:
INDEPENDENT DISPUTE RESOLUTION



APPENDIX C. CONSIDERATION OF ENVIRONMENTAL PLANNING INSTRUMENTS

State Environmental Planning Policy (SEPP) No. 11 – Traffic Generating Development

The proposal is affected by the provisions of SEPP 11, as an 'extractive industry or mining' (Schedule 1 paragraph 'm'). As such, the application was referred to the RTA, which subsequently confirmed that it had no objection to the proposal (see section 4.6).

SEPP No. 33 – Hazardous and Offensive Development

SEPP 33 requires consideration of whether an industrial proposal is a potentially hazardous or offensive industry. This is defined as a development that *'would pose a significant risk in relation the locality: to human health, life or property; or to the biophysical environment, and includes a hazardous industry and a hazardous storage establishment'*.

The EA details management considerations for various aspects such as waste management, fuel storage and emergency response. All hazardous materials would be managed in accordance with existing management procedures and Environment Protection Licence (EPL) that have successfully operated for the Mannering Colliery. As such, the Department is satisfied that the proposal is generally consistent with the aims, objectives, and requirements of SEPP 33.

Draft Central Coast Regional Strategy (CCRS);

The Department's draft CCRS aims to promote careful planning for future population growth within the Central Coast region while maintaining and improving the quality of life for its residents and visitors. Key objectives of the CCRS include making the best use of existing infrastructure, improving employment and providing a variety of employment opportunities. As the Mannering Continuation of Mining project has been a component of the Central Coast region for over 45 years, the Department is satisfied that its continued operation is consistent with the aims and objectives of the CCRS.

Central Coast Catchment Blueprint (CCCBP)

The CCCBP provides a strategic framework for future catchment management works within the Central Coast region. The objectives of the CCCBP include maintaining the health of aquatic ecosystems and land capability by reducing soil degradation and erosion and increasing native vegetation and terrestrial biodiversity. The Department is satisfied that, with the continued implementation of water management practices on the Mannering site and the implementation of appropriate water management and mine closure plans, the objectives of the CCCBP would be met by the project.

Hunter and Central Coast Regional Environmental Management Strategy (HCCREMS)

The key objectives of the HCCREMS are to:

- provide a framework for coordinated action by member councils, state and Commonwealth authorities in relation to environmental management issues impacting on the region;
- address those environmental and natural resource issues best managed at a regional scale; and
- facilitate regional partnerships and resource sharing to address key environmental management issues in a coordinated, proactive and efficient manner.

The Department is satisfied that the relevant objectives of the HCCREMS would be met by the project.

Lake Macquarie Local Environmental Plan (2004) (Lake Macquarie LEP)

The project is located within 16 different planning zones within the Lake Macquarie LGA. These are:

- Zone 1 (1) Rural (Production) Zone;
- Zone 1 (2) Rural Living;
- Zone 2 (1) Residential Zone;
- Zone 3 (1) Urban Centre (Core);
- Zone 4 (1) Industrial (Core);
- Zone 5 Infrastructure;
- Zone 6 (1) Open Space;
- Zone 6 (2) Tourism and Recreation;
- Zone 7 (1) Conservation (Primary);
- Zone 7 (2) Conservation (Secondary);
- Zone 7 (3) Environment (General);
- Zone 7 (5) Environment (Living);
- Zone 8 National Park;
- Zone 9 Natural Resources; and
- Zone 10 Investigation.

Clause 19 of the Lake Macquarie LEP states "*Nothing in this plan prevents a person, with development consent, from carrying out development for the purpose of a mine...on any land to which this plan applies, if the mine is underground*".

The Department has considered the aims and objectives of the 16 relevant planning zones and the effect of clause 19 of the Lake Macquarie LEP and is satisfied that the project is, by virtue of clause 19, consistent with these aims and objectives.

Wyong Local Environmental Plan (2001) (Wyong LEP)

The project is located within 5 different planning zones within the Wyong LGA. These are:

- Zone 2 (a) Residential;
- Zone 3 (a) Business Centre;
- Zone 5 (a) Special Uses;
- Zone 6 (a) Open Space and Recreation Zone; and
- Zone 7 (g) Wetlands Management Zone.

The Department is satisfied that the project is consistent with the aims and objectives of Zones 5 (a) and 6 (a), which permit development for the purpose of mines with development consent.

Mines (whether underground or not) are prohibited in the other three listed land use zones. This matter has been considered in Section 2.2, which establishes that even though the project is partly prohibited (within the relevant Wyong LEP planning zones), the Minister is able to approve the Mannering Continuation of Mining Project.

APPENDIX D. PROPONENT'S RESPONSE TO THE SUBMISSIONS

See attached CD-ROM containing a file entitled *Manning Continuation of Mining Part 3A Environmental Assessment, Response to Submissions*, dated 27 July 2007.

APPENDIX E. SUBMISSIONS

See the attached CD-ROM containing a folder entitled *Submissions*.

APPENDIX F. ENVIRONMENTAL ASSESSMENT REPORT

See the attached CD-ROM entitled *Mannering Colliery Continuation of Mining Part 3A Environmental Assessment*, dated March 2007.