Permit

Environmental Protection Act 1994

Environmental authority EPPR00510013

This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

Environmental authority number: EPPR00510013

Environmental authority takes effect on 18 May 2017.

The anniversary date of this environmental authority remains 30 July. An annual return and the payment of the annual fee will be due each year on this day

Environmental authority holder(s)

Name(s)	Registered address
Blackwater Quarries Pty Ltd	2403 Blackwater-Cooroorah Road, QLD 4717

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 16(2)b - extracting, other than by dredging, in a year more than 100,000t but no more than 1,000,000t ERA 16(3)b screening, in a year more than 100,000t but no more than 1,000,000t	Lot 10 Plan SP260151 (former Lot 1 Plan RP616769)

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority (EA) is issued is a restatement of the ERA as defined by legislation at the time the EA is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an EA as to the scale, intensity or manner of carrying out an ERA, the conditions prevail to the extent of the inconsistency.

An EA authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the EA specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

ABN 46 640 294 485

Queensland Government

Contaminated land

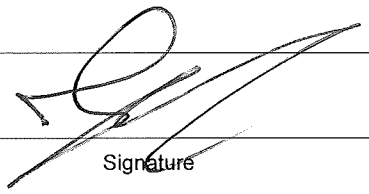
It is a requirement of the EP Act that an owner or occupier of contaminated land give written notice to the administering authority if they become aware of the following:

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days)

that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website www.qld.gov.au, using the search term 'duty to notify'.

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.



Signature

18/5/2017

Date

Tariq Khan
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Department of Environment and Heritage Protection
GPO Box 2454, Brisbane QLD 4001
Phone:1300 130 372
Fax: 07 3330 6037
e-mail: palm@ehp.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

Other permits required

This permit only provides an approval under the *Environmental Protection Act 1994*. In order to lawfully operate you may also require permits / approvals from your local government authority, other business units within the department and other State Government agencies prior to commencing any activity at the site. For example, this may include permits / approvals with your local Council (for planning approval), the Department of Transport and Main Roads (to access state controlled roads), the Department of Natural Resources and Mines (to clear vegetation), and the Department of Agriculture and Fisheries (to clear marine plants or to obtain a quarry material allocation).

Obligations under the *Mining and Quarrying Safety and Health Act 1999*

If you are operating a quarry, other than a sand and gravel quarry where there is no crushing capability, you will be required to comply with the *Mining and Quarrying Safety and Health Act 1999*. For more information on your obligations under this legislation contact Mine Safety and Health at www.dnrm.qld.gov.au, or phone 13 QGOV (13 74 68) or your local Mines Inspectorate Office.

Conditions of environmental authority

ACTIVITY	
A1	A person carrying out an environmentally relevant activity, to which this environmental authority relates, must take all reasonable and practicable measures to prevent and / or to minimise the likelihood of environmental harm being caused.
A2	The holder of this environmental authority must keep a copy of this environmental authority in a location readily accessible to personnel carrying out the environmentally relevant activity.
A3	All records required to be kept as a condition of this environmental authority must be kept at the site to which this environmental authority relates.
A4	All records required to be kept as a condition of this environmental authority must be kept for a minimum of 5 years.
A5	Copies of any record required to be kept as a condition of this environmental authority must be provided to an authorised person or the administering authority upon request.
A6	A record of all regulated waste must be kept detailing the following information: a) date of pickup of waste; b) description of waste; c) quantity of waste; d) origin of the waste; and e) destination of the waste. Note: Trackable wastes as listed in Schedule 2E of the *Environmental Protection Regulation 2008* are not covered by this condition. Trackable wastes have similar recording requirements to this condition in accordance with a waste tracking system established under the above Regulation.
A7	As soon as practicable after, but at the latest within 24 hours of, any release of contaminants not in accordance with, or reasonably expected to not be in accordance with the conditions of this environmental authority, the holder must notify the administering authority of the release by telephone, facsimile or email.
A8	A written notice detailing the following information must be provided to the administering authority within 14 days of any notification provided in accordance with condition A7: a) the name of the holder and their environmental authority and registration numbers; b) the name and telephone number of a designated contact person; c) the nature of the emergency, incident and/or non-compliance and the time and date of the release; d) the quantity and nature of the substance released; e) the location of the release; f) the names of the person(s) involved in the release and/or clean up; g) the suspected cause of the release; h) a description of the effects of the release; i) the results of any sampling performed in relation to the release; j) the actions taken to mitigate any environmental harm caused by the release; and k) the proposed actions to prevent a recurrence of the release.
A9	A competent person(s) must conduct and report on any monitoring required by this environmental authority.
A10	An annual monitoring report must be prepared each year and presented to the administering authority prior to the anniversary day of this environmental authority. The report shall include but not be limited to: a) details of the monitoring undertaken, including details of the sampling framework, method, location, frequency and quality assurance and quality control measures applied. (Maps must be provided to assist in identifying the monitoring locations); b) a summary of the monitoring results obtained under any monitoring program required under this environmental authority. Results must be presented in numerical and graphical form,

	showing relevant limits and a comparison with the previous twelve (12) months monitoring data; c) an evaluation and explanation of the data from any monitoring program including an analysis of data integrity; and d) an outline of actions taken or proposed to minimise the environmental risk from any deficiency identified by the monitoring programs. The annual monitoring report must also be accompanied by a statutory declaration which complies with condition A15.
A11	All instruments, equipment and measuring devices used for measuring or monitoring any parameter in accordance with any condition of this environmental authority must be calibrated, and appropriately operated and maintained according to the manufacturer's instructions.
A12	The holder of an environmentally relevant activity to which this environmental authority relates must: a) install all measures, plant and equipment necessary to ensure compliance with the conditions of this environmental authority; and b) maintain such measures, plant and equipment in a proper and efficient condition; and c) operate such measures, plant and equipment in a proper and efficient manner.
A13	Within one month of commencement of an ERA to which this environmental authority relates, a Site Based Management Plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of all contaminants, the potential impact of these sources and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must also provide for the review and 'continual improvement' in the overall environmental performance of all ERAs that are carried out. The SBMP must address the following matters: a) Environmental commitments - a commitment by senior management to achieve specified and relevant environmental goals; b) Identification of environmental issues and potential impacts; c) Control measures for routine operations to minimise likelihood of environmental harm; d) Contingency plans and emergency procedures for non-routine situations; e) Organisational structure and responsibility; f) Effective communication; g) Monitoring of contaminant releases; h) Conducting environmental impact assessments; i) Staff training and awareness; j) Waste prevention, treatment and disposal; k) Record keeping; l) Periodic review of environmental performance and continual improvement; m) A stormwater management plan to address at least the following issues; - Reuse, treatment and disposal of contaminated stormwater; - Prevention of incident stormwater and stormwater runoff from contacting wastes or contaminants; - Diversion of upstream runoff away from areas containing wastes or contaminants; - Minimisation of the size of contaminated areas; - Cleaning of contaminated areas without water; - Installation of oil separators, silt and rubbish traps, and stormwater diversion systems; - Paving and roofing of contaminated areas; - Construction of sediment ponds in close proximity to sources of sediment; and - Ensuring final treatment ponds are of high enough quality to meet stormwater release limits.
A14	The site based management plan must not be implemented or amended in a way that contravenes any condition of this environmental authority.
A15	A statutory declaration provided to the administering authority for the purpose of fulfilling a condition of this environmental authority must state: a) the author's qualifications and experience; b) that the author has not knowingly included any false, misleading or incomplete information in the report;

	c) that the author has not knowingly failed to reveal any relevant information or document to the administering authority; d) certify that the report is factually correct; e) the opinions expressed in it are honestly and reasonably held; and f) that the report has been prepared independently and reflects the independent view of the author.
A16	Appropriate spill kits and equipment, personal protective equipment and relevant operator instructions/ emergency procedure guides for the management of wastes and chemicals associated with the activities must be kept at the site.
A17	Any person operating under this environmental authority must be trained in the use of the spill equipment.
A18	The holder of this environmental authority is permitted to extract material from within the boundary of 'Figure 1 - Whicon Ply Ltd - Bedford Quarry 1m Contour Plan, Plan No BD_010795' as depicted by the shaded area labelled 'current pit excavation' and 'future extraction area', on the plan attached to this environmental authority titled 'Figure 1 - Whicon Ply Ltd - Bedford Quarry 1m Contour Plan, Plan No BD_010795'.
A19	The holder of this environmental authority must ensure where practicable, that a substantial undisturbed buffer zone is maintained between Mackenzie River and any extracting and screening operations.
AIR	
B1	The release of dust and/or particulate matter resulting from any environmentally relevant activity to which this environmental authority relates must not cause an environmental nuisance at any nuisance sensitive place.
B2	Dust and particulate matter must not exceed the following levels when measured at any nuisance sensitive place: a) Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10.1 of 2003 (or more recent editions); or b) A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 50 micrograms per cubic metre over a 24 hour averaging time, at a nuisance sensitive place downwind of the site, when monitored in accordance with: - Australian Standard AS 3580.9.6 of 2003 (or more recent editions) 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet -Gravimetric method'; or - any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.
B3	When requested by the administering authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and within 14 days of the completion of monitoring the results must be notified to the administering authority. Monitoring must be carried out at a place or places relevant to the potentially affected dust sensitive place and at upwind control sites and must include: a) for a complaint alleging dust nuisance, dust deposition; and b) for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere over a 24hr averaging time.
LAND	
C1	As soon as practicable, but no later than six (6) months after completing extraction in each stage, disturbed areas must be rehabilitated. This includes rehabilitating all disturbed areas such as slopes, borrow pits, stockpile storage, and sediment basins.

C2	The holder of the environmental authority must rehabilitate areas disturbed by the activity to a stable landform that is not subject to slumping.
C3	The holder of the environmental authority must rehabilitate areas disturbed by the activity in a manner that minimises the potential for erosion.
C4	The holder of this environmental authority must undergo monthly monitoring of declared plants and/or other plants that have the potential to become serious environmental weeds including, but not limited to, Fountain Grass (Pennisetum setaceum), Lantanas (Lantana camera & L. montevidensis); Tree Tobacco (Nicotiana glauca); Mother of Millions (Bryophyllum tubiflorum); Rubber Vine (Cryptostegia grandiflora) and Parthenium Weed (Parthenium hysterophorus).
C5	If the holder of this environmental authority has identified plants listed in Condition C4, he/she must submit to the administering authority a Weed Management Plan for their control and prevention within 14 days.
C6	There must be no release of any contaminants to land.
C7	All chemicals and fuels, including any spillage thereof, must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.
C8	All petroleum product storages must be designed, constructed and maintained in accordance with AS 1940 - Storage and Handling of Flammable and Combustible Liquids.
C9	All containment systems must be designed to minimise rainfall collection therein to the greatest extent practicable.
NOISE	
D1	Noise from any environmentally relevant activity (ERA) must not cause an environmental nuisance at any nuisance sensitive place.
D2	Noise monitoring must be undertaken as directed by the administering authority to investigate any complaint about noise nuisance being caused by the ERA, which in the opinion of an authorised person is not frivolous, vexatious nor based on mistaken belief, and the results thereof notified to the administering authority within 14 days following completion of monitoring. For the purposes of this condition, noise monitoring must be done by a competent person in accordance with the latest edition of the Department of Environment and Heritage Protection 'Noise Measurement Manual' and include: a) $L_{A, max\ adj, T}$; b) Relevant background sound level; c) The level and frequency of occurrence of impulsive or tonal noise; d) Atmospheric conditions including wind speed and direction; and e) Location, date and time of measurements.
D3	For the purposes of Condition D1, the ERA will not cause environmental nuisance where noise from the ERA does not exceed the limits specified in Table 1.

Table 1 - Noise limits

Sound pressure level dB(A) measured as	**Monday to Saturday**			**Sundays and public holidays**		
	7am - 6pm	**6pm - 10pm**	**10pm – 7am**	**9am - 6pm**	**6pm - 10pm**	**10pm – 9am**
	Noise measured at a 'nuisance sensitive place'					
$L_{A, max\ adj, T}$	Background + 5 dB(A)	Background + 5 dB(A)	Background + 3 dB(A)	Background + 3 dB(A)	Not audible	Not audible

Where 'T' is 10 minutes and 'Background' means background sound pressure measured in accordance with the latest edition of the Department of Environment and Heritage Protection Noise Measurement Manual.

D4	If an authorised person's opinion is that monitoring results indicate environmental nuisance is being caused by noise from the ERA, the holder must: a) address the complaint including the use of appropriate dispute resolution if required; or b) immediately implement noise abatement measures so that emissions of noise from the ERA do not result in further environmental nuisance.
D5	Noise monitoring to determine compliance with noise condition D3 must be carried out at an appropriate noise monitoring point on Lot 10 Plan SP260151 (former Lot 1 Plan RP616769).
D6	Subject to Conditions (D7) and (D8) vibration from the ERA must not cause an environmental nuisance, at any sensitive or commercial place.
D7	When requested by the administering authority, vibration monitoring must be undertaken within a reasonable and practicable timeframe nominated by the administering authority to investigate any complaint (which is neither frivolous nor vexatious nor based on mistaken belief in the opinion of the authorised officer) of environmental nuisance at any sensitive or commercial place, and the results must be notified within 14 days to the administering authority following completion of monitoring.
D8	If the environmental authority holder can provide evidence through monitoring that the limits defined in Schedule D - Table 2 are not being exceeded then the holder is not in breach of (D6). Monitoring must include: a) location of the blast(s) within the mining area (including which bench level); and b) atmospheric conditions including temperature, relative humidity and wind speed and direction; and c) location, date and time of recording.
D9	If monitoring indicates exceedence of the relevant limits in Schedule D - Table 2, then the environmental authority holder must: a) address the complaint including the use of appropriate dispute resolution if required; or b) immediately implement vibration abatement measures so that vibration from the activity does not result in further environmental nuisance. Schedule D - Table 2 (Vibration limits)

Location	**Vibration measured**	
	Monday to Friday 9am - 3pm	**Saturday, Sundays and public holidays**
Sensitive or commercial place	**5mm/s peak particle velocity for nine (9) out of ten (10) consecutive blasts and not greater than 10 mm/s peak particle velocity at any time**	**No blasting to occur**

Note: The method of measurement and reporting of vibration levels must comply with the latest edition of the Department of Environment and Heritage Protection's vibration and air blast overpressure monitoring guideline.

SOCIAL	
E1	The holder of this environmental authority must record the following details for all complaints received and provide this information to the administering authority on request: a) time, date, name and contact details of the complainant; b) reasons for the complaint; c) any investigations undertaken; d) conclusions formed; and e) any actions taken.
WASTE	
F1	From the commencement of an environmentally relevant activity to which this environmental authority relates, the holder must prepare and submit to the administering authority a Waste Management Plan. The Waste Management Plan must address at least the following matters: a) the types and amounts of waste generated by the environmentally relevant activity;

	b) how the waste will be dealt with, including a description of the types and amounts of waste that will be dealt with under each of the waste management practices mentioned in the waste management hierarchy set out in section 10 of the Environmental Protection (Waste Management) Policy 2000; c) procedures for identifying and implementing opportunities to improve the waste management practices employed and opportunities for beneficial reuse; d) procedures for dealing with accidents, spills and other incidents that may impact on waste management; e) details of any accredited management system employed, or planned to be employed, to deal with the waste; f) how often the performance of the waste management practices will be assessed (at least annually); and g) the indicators or other criteria on which the performance of the waste management practices will be assessed.
F2	The Waste Management Plan must be implemented by the holder of this environmental authority having due regard to any comments provided by the administering authority.
F3	A copy of the Waste Management Plan must be kept at the place to which this environmental authority relates.
WATER	
G1	Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.
G2	Suitable banks and/or diversion drains must be installed and maintained so that all stormwater falling up gradient from the quarry and storage areas is diverted away from those areas.
G3	All waters flowing over disturbed areas including but not limited to the permitted extraction area and any screening and storage areas must be diverted to the onsite sediment basins as identified in 'Bedford Weir Quarry Existing Drainage Plan', Plan BD_EP080901.
G4	The holder of this environmental authority must not discharge any settled/treated stormwater runoff off-site, other then when is depicted in condition G3.
G5	If the holder of this environmental authority releases any waters other than what is depicted in condition G4, an investigation must be conducted and a report submitted to the administering authority within 14 days. As part of this investigation, monitoring must be undertaken and records kept of contaminant releases to waters at the monitoring points for the parameters and not less frequently than specified in Table 2 - Contaminant Release Limits. All determinations of the quality of contaminants released must be: - made in accordance with methods prescribed in the latest edition of the Department of Environment and Heritage Protection Water Quality Sampling Manual; and - carried out on samples that are representative of the discharge.

Table 2 - Contaminant Release Limits

Monitoring point	Quality Characteristic	Maximum release limit	Monitoring frequency
M1 - Release point of 1st sediment basin	pH	6.0 - 8.5 range	Twice Daily until overflow or release has ceased.
	Suspended Solids(mg/L)	50 maximum	
	Dissolved Oxygen (mg/L)	6.0 minimum	
	Hydrocarbons	-	
M2 - Release point of 2nd sediment basin	pH	6.0 - 8.5 range	
	Suspended Solids(mg/L)	50 maximum	
	Dissolved Oxygen (mg/L)	6.0 minimum	
	Hydrocarbons	-	
M3 – McKenzie River	pH	6.0 — 8.5 range	
	Suspended Solids(mg/L)	50 maximum	
	Dissolved Oxygen (mg/L)	6.0 minimum	
	Hydrocarbons	-	

G6	The holder of this environmental authority must implement a flood mitigation plan.
G7	The holder of this environmental authority must construct flood protection levies to withstand a 1:100 year ARI flood event.
G8	Subject to condition G7, the holder of this environmental authority must construct flood protection levies out of appropriate structural material, to prevent collapse/failure occurring.

Definitions

Key terms and/or phrases used in this document are defined in this section. Where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

'**administering authority**' means the Department of Environment and Heritage Protection or its successor.

'**annual return**' means the return required by the annual notice (under section 308 of the Environment Protection Act 1994).

'**authorised place**' means the place authorised under this environmental authority for the carrying out of the specified environmentally relevant activities.

'**commercial place**' means a place used as an office or for business or commercial purposes.

'**Intrusive noise**' means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration -

- is clearly audible to, or can be felt by, an individual; and
- annoys the individual.

In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 - 1997 Acoustics - Description and Measurement of Environmental Noise Part 2 - Application to Specific Situations.

'$L_{A\ 10,\ adj,\ 10\ mins}$' means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.

'$L_{A\ 1,\ adj,\ 10\ mins}$' means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.

"$L_{A,\ max\ adj,\ T}$' means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over any 10 minute period, using Fast response.

'**land**' means land excluding waters and the atmosphere.

'**mg/L**' means milligrams per litre.

'**noxious**' means harmful or injurious to health or physical well being.

'**NTU**' means nephelometric turbidity units.

'**nuisance sensitive place**' includes -

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area under the Nature Conservation Act 1992, the Marine Parks Act 2004 or a World Heritage Area; or
- a public thoroughfare, park or gardens; or
- a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

'**offensive'** means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

'**protected area**' means -

- a protected area under the Nature Conservation Act 1992; or
- a marine park under the. Marine Parks Act 2004; or
- a World Heritage Area.

'**quarry material**' means material on State coastal land, other than a mineral within the meaning of any Act relating to mining. Material includes for example stone, gravel, sand, rock, clay, mud, silt and soil, unless it is removed from a culvert, stormwater drain or other drainage infrastructure as waste material.

'**site**' means land or tidal waters on or in which it is proposed to carry out the environmental relevant activity approved under this environmental authority.

'**slump**' means -

- to fall or sink suddenly (defined from Merriam-Webster dictionary 2008 http://www.merriam-webster.com/dictionary/slump).
- to drop or slide down suddenly (defined from Merriam-Webster dictionary 2008 http://www.merriam-webster.com/dictionary/slump).

'**watercourse**' means a river, creek or stream in which water flows permanently or intermittently-

- in a natural channel, whether artificially improved or not; or
- in an artificial channel that has changed the course of the watercourse.

'**waters**' includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part-thereof.

'**works**' or '**operation**' means the ERA approved under this environmental authority.

'**you**' means the holder of this environmental authority or owner / occupier of the land which is the subject of this environmental authority.

'**50th percentile**' means not more than three (3) of the measured values of the quality characteristic are to exceed the stated release limit for any six (6) consecutive samples for a release/monitoring point at any time during the environmental activity(ies) works.

'**80th percentile**' means not more than one (1) of the measured values of the quality characteristic is to exceed the stated release limit for any five (5) consecutive samples for a sampling point at any time during the environmental activity(ies) works

Appendices

'Figure 1 - Whicon Ply Ltd - Bedford Quarry 1m Contour Plan', Plan No BD_010795.

'Whicon Ply Ltd - Bedford Weir Quarry Existing Drainage Plan', Plan No BD_EP080901'

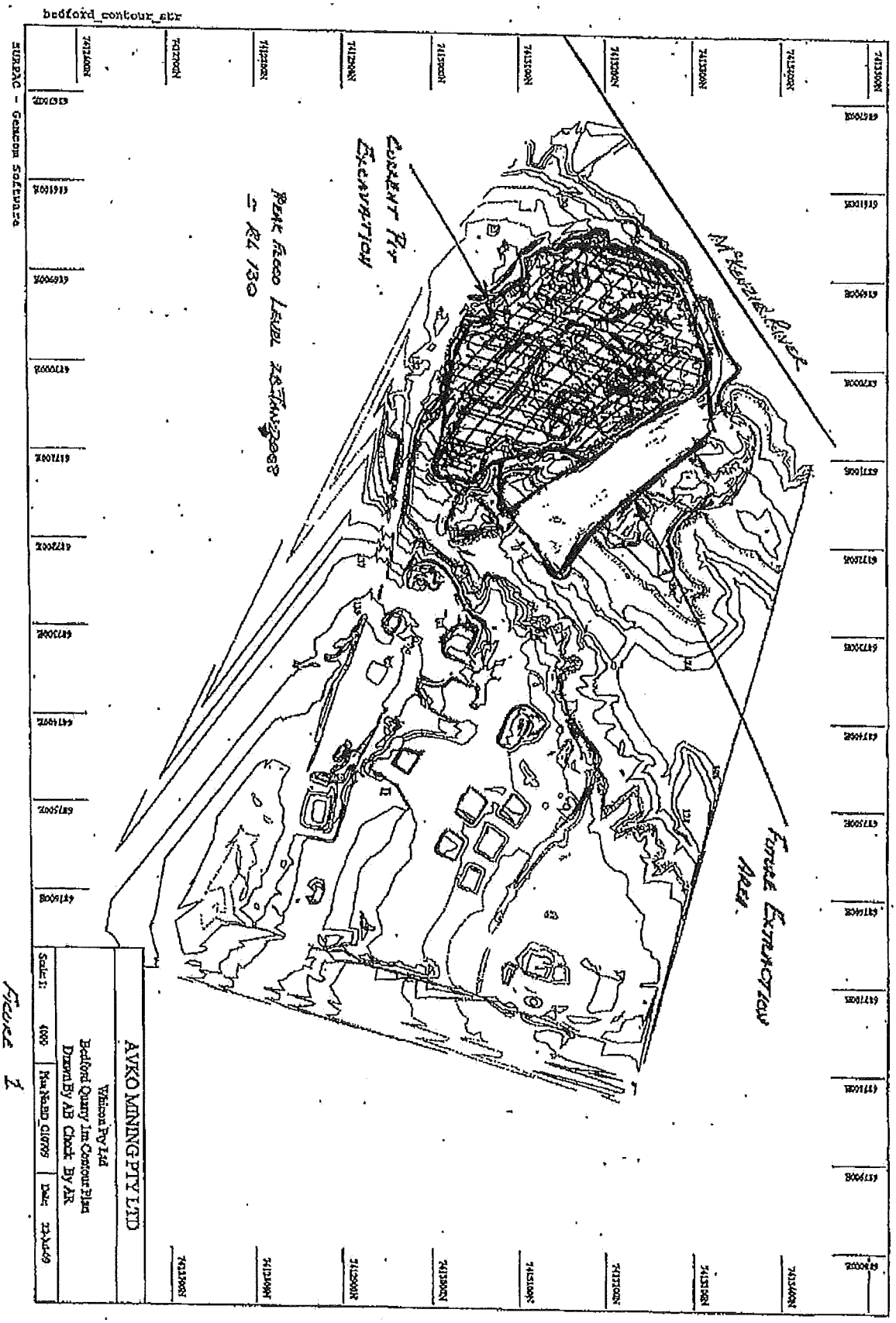
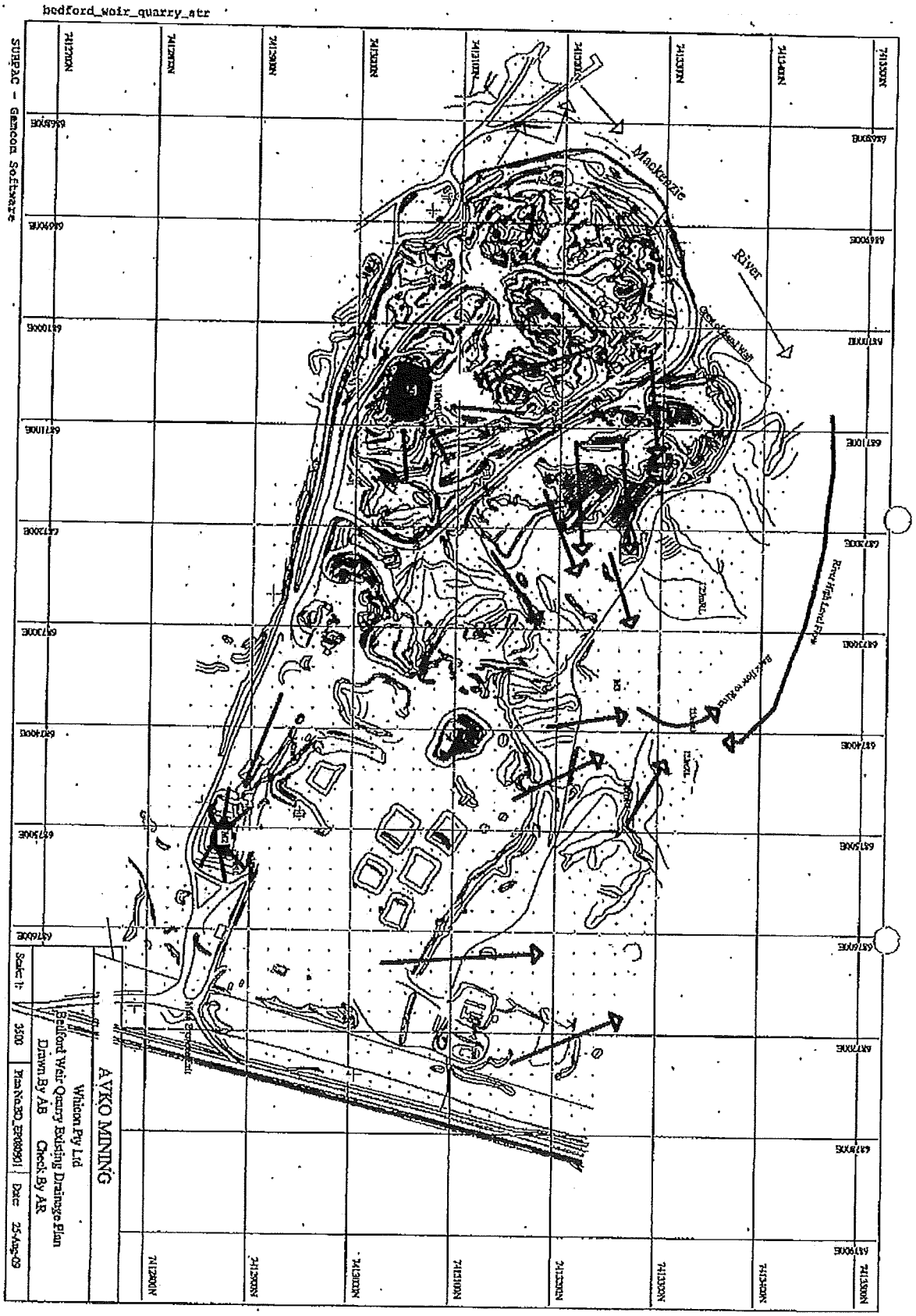

bedford_contour_etr
SURPAC - Geocom Software
Current Pit Excavation
Peak flood Level Retained = RL 130
Future Extraction Area
AVKO MINING PTY LTD
Wilson Pty Ltd
Bedford Quarry 1m Contour Plan
Drawn By AB Check By AR
Scale 1:
4000
File: Bedford_Q1m.dwg
Date:
22-Jul-09

Figure 1



END OF ENVIRONMENTAL AUTHORITY