



MINISTER FOR THE ENVIRONMENT AND HERITAGE

Statement No.

000604

**STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED
(PURSUANT TO THE PROVISIONS OF THE
ENVIRONMENTAL PROTECTION ACT 1986)**

**SAMSON BROOK REDEVELOPMENT SCHEME
EAST OF THE TOWN OF WAROONA**

Proposal: The construction and operation of a pipe-head dam, water treatment plant and 12 kilometre water pipeline from the pipe-head dam to the Stirling Trunk Main, in order to utilise water from Samson Brook for the Integrated Water Supply System, as documented in schedule 1 of this statement.

Proponent: Water Corporation

Proponent Address: 629 Newcastle Street, LEEDERVILLE WA 6007

Assessment Number: 1441

Report of the Environmental Protection Authority: Bulletin 1055

The proposal referred to above may be implemented subject to the following conditions and procedures:

Procedural conditions

1 Implementation and Changes

- 1-1 The proponent shall implement the proposal as documented in schedule 1 of this statement subject to the conditions of this statement.
- 1-2 Where the proponent seeks to change any aspect of the proposal as documented in schedule 1 of this statement in any way that the Minister for the Environment and Heritage determines, on advice of the Environmental Protection Authority, is substantial, the proponent shall refer the matter to the Environmental Protection Authority.

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- 1-3 Where the proponent seeks to change any aspect of the proposal as documented in schedule 1 of this statement in any way that the Minister for the Environment and Heritage determines, on advice of the Environmental Protection Authority, is not substantial, the proponent may implement those changes upon receipt of written advice.

2 Proponent Commitments

- 2-1 The proponent shall implement the environmental management commitments documented in schedule 2 of this statement.
- 2-2 The proponent shall implement subsequent environmental management commitments which the proponent makes as part of the fulfilment of the conditions in this statement.

3 Proponent Nomination and Contact Details

- 3-1 The proponent for the time being nominated by the Minister for the Environment and Heritage under section 38(6) or (7) of the *Environmental Protection Act 1986* is responsible for the implementation of the proposal until such time as the Minister for the Environment and Heritage has exercised the Minister's power under section 38(7) of the Act to revoke the nomination of that proponent and nominate another person as the proponent for the proposal.
- 3-2 If the proponent wishes to relinquish the nomination, the proponent shall apply for the transfer of proponent and provide a letter with a copy of this statement endorsed by the proposed replacement proponent that the proposal will be carried out in accordance with this statement. Contact details and appropriate documentation on the capability of the proposed replacement proponent to carry out the proposal shall also be provided.
- 3-3 The nominated proponent shall notify the Department of Environmental Protection of any change of contact name and address within 60 days of such change.

4 Commencement and Time Limit of Approval

- 4-1 The proponent shall provide evidence to the Minister for the Environment and Heritage within five years of the date of this statement that the proposal has been substantially commenced or the approval granted in this statement shall lapse and be void.

Note: The Minister for the Environment and Heritage will determine any dispute as to whether the proposal has been substantially commenced.

- 4-2 The proponent shall make application for any extension of approval for the substantial commencement of the proposal beyond five years from the date of this statement to the Minister for the Environment and Heritage, prior to the expiration of the five-year period referred to in condition 4-1.

The application shall demonstrate that:

- the environmental factors of the proposal have not changed significantly;
- new, significant, environmental issues have not arisen; and
- all relevant government authorities have been consulted.

Note: The Minister for the Environment and Heritage may consider the grant of an extension of the time limit of approval not exceeding five years for the substantial commencement of the proposal.

Environmental conditions

5 Compliance Audit and Performance Review

5-1 The proponent shall prepare an audit program in consultation with and submit compliance reports to the Department of Environmental Protection which address:

- the implementation of the proposal as defined in schedule 1 of this statement;
- evidence of compliance with the conditions and commitments; and
- the performance of the environmental management plans and programs.

Note: Under sections 48(1) and 47(2) of the *Environmental Protection Act 1986*, the Chief Executive Officer of the Department of Environmental Protection is empowered to audit the compliance of the proponent with the statement and should directly receive the compliance documentation, including environmental management plans, related to the conditions, procedures and commitments contained in this statement.

Usually, the Department of Environmental Protection prepares an audit table which can be utilised by the proponent, if required, to prepare an audit program to ensure that the proposal is implemented as required. The Chief Executive Officer is responsible for the preparation of written advice to the proponent, which is signed off by either the Minister or, under an endorsed condition clearance process, a delegate within the Environmental Protection Authority or the Department of Environmental Protection that the requirements have been met.

5-2 The proponent shall submit a performance review report five years after the start of the operations phase, to the requirements of the Minister for the Environment and Heritage on advice of the Environmental Protection Authority, which addresses:

- the major environmental issues associated with the project; the targets for those issues; the methodologies used to achieve these; and the key indicators of environmental performance measured against those targets;

- the level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable;
- significant improvements gained in environmental management, including the use of external peer reviews;
- stakeholder and community consultation about environmental performance and the outcomes of that consultation, including a report of any on-going concerns being expressed; and
- the proposed environmental targets over the next five years, including improvements in technology and management processes.

Depending on the outcome of the abovementioned performance review report, the need for any further reviews will be to the requirements of the Minister for the Environment and Heritage on advice of the Environmental Protection Authority.

Procedures

- 1 Where a condition states "to the requirements of the Minister for the Environment and Heritage on advice of the Environmental Protection Authority", the Chief Executive Officer of the Department of Environmental Protection will obtain that advice for the preparation of written advice to the proponent.
- 2 The Environmental Protection Authority may seek advice from other agencies, as required, in order to provide its advice to the Chief Executive Officer of the Department of Environmental Protection.
- 3 The Water and Rivers Commission will ensure that the proponent releases sufficient water to meet the Environmental Water Provisions of Samson Brook through the licence required to divert water from Samson Brook.
- 4 Additional water beyond the 8 Gigalitres of water per year (on average) referred to in schedule 1, may be transferred to the Integrated Water Supply Scheme subject to the following:
 - undertaking further Environmental Water Provision studies of Samson Brook beyond the pipe-head dam;
 - demonstrating the environmental acceptability of transferring additional water;
 - meeting the requirements of the Water and Rivers Commission; and
 - advice from the Environmental Protection Authority to the Minister for the Environment and Heritage.

Notes

- 1 The Minister for the Environment and Heritage will determine any dispute between the proponent and the Environmental Protection Authority or the Department of Environmental Protection over the fulfilment of the requirements of the conditions.

Dr Judy Edwards MLA

MINISTER FOR THE ENVIRONMENT AND HERITAGE

13 SEP 2002

Schedule 1

The Proposal (Assessment No. 1441)

The proposal is to construct and operate a new pipe-head dam, water treatment plant and a 12.9 kilometre water pipeline from the pipe-head dam to the Stirling Trunk Main, in order to utilise water from Samson Brook for the Integrated Water Supply System.

The location of the Samson Brook Redevelopment Scheme is shown in Figure 1 (attached). The key characteristics of the proposal are summarised in Table 1 below.

Table 1: Key proposal characteristics

Characteristic	Pipe-head 150 m site
Diversion of water from Samson Brook	8 Giga litres a year on average (diverted in accordance with the Operating Strategy as approved by the Water and Rivers Commission). Variable, subject to meeting the requirements of Procedure 4.
Pipe-head dam	
Wall height	20 metres
Location	Approximately 4.3 kilometres from South Western Highway
Description	Concrete gravity dam.
Width of Spillway	60 metres.
Top water level	147.5 metres AHD
Storage volume	300 million litres
Offtake	Piped
Vegetation disturbance	Approximately 7 hectares by inundation and construction of the pipe-head. (Approximately 600 metres of riparian vegetation will be inundated.) Approximately 7.3 hectares of dieback-free vegetation potentially impacted by construction.
Access roads	
Length	Temporary access road to pipe-head: approx 2.6 kilometres. Permanent access road to pipe-head: approx 4.5 kilometres. Permanent access road to water treatment facility: approx 1.6 kilometres.
Width of disturbance	Temporary access track 7 metres.
Vegetation disturbance	Temporary access road 0.9 hectares, minimal disturbance by permanent access road.
Pipeline	
Length	12.9 kilometres
Diameter	0.9 – 1.0 metres
Capacity	125 million litres per day
Route	Along permanent access track on Lot 6, through cleared agricultural land, crossing Samson Brook and South West Highway. Along James Road, Fawcett Road and then Buller Road, crossing South West Railway on James Road. (See Figure 1). Following the north side of the Buller Road Reserve for a distance of 800 metres from the corner of Fawcett Road, and keeping the trench excavation within approximately 3.5 metres of the seal of the road wherever practicable. Crossing to the southern side of the Buller Road Reserve near the entry to Lot 27. The alignment will then follow the southern side of the road reserve or within private property for the remaining distance along Buller Road to the connection with the Stirling Trunk Main on the south-western corner of Buller and Somers Roads.
Width of disturbance	10 –25 metres approx. 10 metres in areas of native vegetation.
Vegetation disturbance	Approximately 0.6 hectares in forested areas on Lot 6. Approximately 0.65 hectares to the west of South West Highway.

Water treatment plant	
Description	Chemical dosing plant – chlorination, fluoridation and stabilisation.
Area disturbed	1.5 hectares
Vegetation disturbance	Cleared agricultural land.
Environmental Mitigation / Benefits	
Rehabilitation	A total of 16.5 hectares, comprising: <ul style="list-style-type: none"> • 6 hectares outside the riparian zone; • 1 hectare of riparian and other vegetation; • 7.3 hectares of dieback-free vegetation potentially impacted by construction; • 0.65 hectares of vegetation impacted by pipeline construction; and • 1.5 hectares contingency.
Conservation Covenant	Introduction of a conservation covenant on part of the Samson Brook catchment on Lot 6 to protect ecological values.
Fencing	Repairing, or where necessary, replacing fencing around Lot 6.
Feral Animal Control	The implementation of a feral animal control program in co-operation with Department of Conservation and Land Management.
Nesting Boxes	Installation of cockatoo nesting boxes on Lot 6.
Recreation	Development of a Recreation and Tourism Master Plan for the Waroona area.

Abbreviations

AHD: Australian Height Datum

WRC: Water and Rivers Commission

Figure (attached)

Figure 1: Location of Samson Brook Redevelopment Scheme

THE INFORMATION CONTAINED HEREIN IS SUBJECT TO ONGOING REVIEW AND AMENDMENTS AND SHOULD BE READ IN CONJUNCTION WITH THE ASSOCIATED REPORT

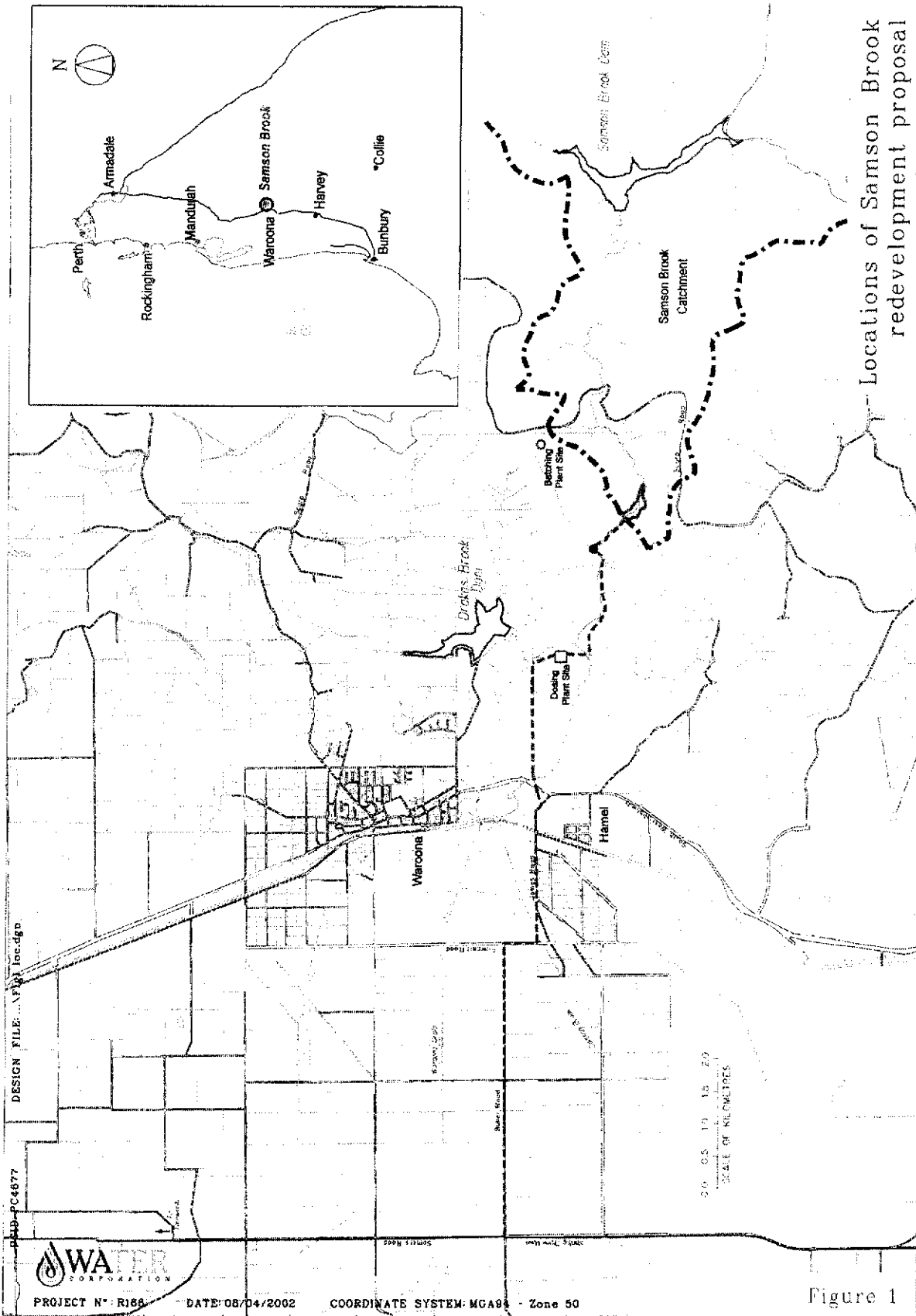


Figure 1

Figure 1: Location of Samson Brook Redevelopment Scheme

Proponent's Environmental Management Commitments

2 September 2002

**SAMSON BROOK REDEVELOPMENT SCHEME
EAST OF THE TOWN OF WAROONA**

(Assessment No. 1441)

Water Corporation

Proponent's Environmental Management Commitments
Samson Brook Redevelopment Scheme (Assessment No. 1441)

No	Topic	Action	Objective	Timing	Advice
1	Construction Environmental Management Programme	<p>Prepare a Construction Environmental Management Programme which addresses the following:</p> <ul style="list-style-type: none"> • Flora, weed and dieback management; • Declared Rare and Priority Flora species Survey; • Declared Rare and Priority Flora Protection (if required); • Faunal Management; • Dust Management; • Noise and Vibration Management, including monitoring of blast noise from pipeline and dam construction; • Construction of coffer dams above and below the construction site; • Water Quality Management, including monitoring of water quality in Samson Brook downstream of the pipehead dam; • Traffic Management; and • Protection of Aboriginal Heritage Sites (see commitment 5) 	To minimise the potential for environmental impacts resulting from construction	Prior to construction	Shire of Waroona WRC CALM
2	Construction Environmental Management Programme	Implement the measures in the Construction Environmental Management Programme	Achieve the objectives of Commitment 1	During the construction of the pipehead dam and the pipeline	Shire of Waroona WRC CALM
3	Environmental Mitigation Programme	<p>Prepare an Environmental Mitigation Programme which addresses the following:</p> <ul style="list-style-type: none"> • Lodgement of a conservation covenant on catchment of Samson Brook within Lot 6; • Rehabilitation of an equivalent area impacted by inundation, potential dieback infection and construction access track; • Rehabilitation of riparian vegetation on Lot 6; • Rehabilitation of an equivalent area as cleared during the construction of the pipeline; • Development of rehabilitation completion criteria to cover all areas proposed to be rehabilitated including mitigating the loss of mature trees due to pipeline construction; • Monitoring against agreed completion criteria; • Assist in the removal of weed tree species and transplant grass trees as necessary; • Compensate for the removal of mature trees during pipeline construction by undertaking revegetation to achieve rehabilitation completion criteria agreed with the Harvey River Land Conservation District Committee and the Harvey River Restoration Trust in the area west of South-West Highway; • Repair, and if required replace, fencing around Lot 6; • Erection of cockatoo nesting boxes on Lot 6; and • Involvement in CALM feral animal control program. 	Mitigate the permanent environmental impacts of the Redevelopment	Prior to construction	CALM Harvey River Restoration Trust. Harvey River Land Conservation District Committee. Landowners
4	Environmental Mitigation Programme	Implement the measures in the Environmental Mitigation Programme	Achieve the objectives of Commitment 3	During and after the construction period as required	CALM. Harvey River Restoration Trust. Harvey River Land Conservation District Committee. Landowners.

No	Topic	Action	Objective	Timing	Advice
5	Aboriginal Heritage Site Management Plan	Prepare an Aboriginal Heritage Site Management Plan which includes the following measures: <ul style="list-style-type: none"> • A detailed Aboriginal heritage survey over the Samson Brook redevelopment area; • Significant Site Management Plan if sites of importance are located in consultation with the local Aboriginal community; and • Consultation with the local Aboriginal community. 	To protect Aboriginal Heritage Sites and address heritage issues	Prior to construction	Department of Indigenous Affairs Local Aboriginal Groups
6	Aboriginal Heritage Site Management Plan	Implement the measures in the Aboriginal Heritage Site Management Plan	Achieve the objectives of Commitment 5	Before and during the construction period	Department of Indigenous Affairs Local Aboriginal Groups