

### Terrestrial Reports

Report	Date	Author	What does it cover?	Released
Report for SSDP – Trunk Main (Preliminary Route Assessment)	Jul 07	GHD	Issues considered when assessing potential water transfer pipeline routes from the plant site to the storage tanks.	*
Report for SSDP – Summit Tank (Preliminary Site Assessment)	Jul 07	GHD	Issues considered when assessing potential water storage tank sites.	*
Level 2 Flora and Fauna Investigation	Jan 08	360 Environmental	Detailed flora and fauna surveys for plant site (Lots 32, 33 and part Lot 8), water transfer pipeline and storage tank site.	*
Due Diligence Flora and Fauna Investigation	Oct 06	360 Environmental	Preliminary flora and fauna survey for plant site (Lots 32 and 33) and a potential water transfer pipeline route (not final route).	*
Contamination Assessment	Feb 08	360 Environmental	Soil and groundwater investigations for Lots 32, 33 and Part Lot 8.	*
Environmental Noise Baseline Monitoring	Jul 07	Herring Storer Acoustics	Noise levels at the plant site, Myalup and Binningup.	*
Environmental Noise Baseline Monitoring	Oct 07	Herring Storer Acoustics	Noise levels at the plant site, Myalup and Binningup.	*

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Environmental Noise Assessment	Feb 08 Mar08	Herring Storer Acoustics	Modelling of potential noise levels from a desalination plant at Lots 32,33 and Part Lot 8 (2 reports with 8m and 10m constructed berms).	*
Material Safety Data Sheet – Filter Backwash Cake	Feb 08	ProAlliance	Chemical composition information for filter backwash cake (sludge).	*
Acid Sulfate Soil and Dewatering Management Strategy	Jul 07	Parsons Brinckerhoff Australia	Water Corporation guideline for the management of dewatering and acid sulphate soils.	*
Site Alternatives and Considerations	Jul 07	Water Corporation	Site selection criteria for the plant site.	*
Preliminary Geotechnical Report	Feb 08	GHD Geotechnics	Geotechnical investigations for the plant site.	*
Overview of Geological and Geotechnical Conditions	Feb 08	Golder Associates	Summary report of geological and geotechnical investigations for the plant site.	*

Visual Impact Assessment	Mar 08	Water Corporation	Computer generated model of maximum likely building heights for plant components and water storage tanks.	*
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### Marine Reports

Report	Date	Author	Summary	Released
Oceanography – Seaglider Transects	Jul – Aug 07	GHD	Oceanographic data (temperature, salinity, currents, dissolved oxygen, chlorophyll <sub>a</sub> , turbidity).	*
Oceanography – Seaglider Transects	Dec 07 – Jan 08	GHD	Oceanographic data (temperature, salinity, currents, dissolved oxygen, chlorophyll <sub>a</sub> , turbidity).	*
Binningup Water Quality Monitoring	Jul 06	360 Environmental	Physical water quality sampling (seawater).	*
Water Quality Monitoring	Mar & Jul 07	KBR	Physical water quality sampling (seawater).	*
Water Quality Monitoring	Sep & Oct 07	KBR	Physical water quality sampling (seawater).	*

Water Quality Monitoring - Summary	Feb 08	KBR	Summary of March, July, September and October 2007 physical water quality sampling reports (seawater).	*
Estimated Offshore Binningup Wind Data Set	Nov 07	Bureau of Meteorology	Estimated wind dataset report.	*
Horizontal mixing and dispersion at the proposed outfall site for the Southern Seawater Desalination Plant, Binningup.	Dec 07	Centre for Water Research	Dye dispersion study offshore from plant site.	*
Marine Investigations	Nov 07	Fugro Survey	Bathymetry, seabed features and shallow geology offshore from plant site.	*
Seismic Refraction Survey	Jan 08	Fugro Survey	Geotechnical study results for offshore of plant site.	*
Material change of use application	2006	Extract from Gold Coast Desalination Alliance	Potential impacts from brine discharge from Gold Coast desalination plant.	*

The Provision of Water Quality Monitoring Services For the Perth Seawater Desalination Plant: WET Testing	Feb 08	Geotechnical Services	Toxicity effects of brine discharge test results.	*
Literature Review – Fish Larval Studies	Feb 08	Maunsell	Impacts on fish larvae of desalination plant intake and discharge.	*
Impact of Dredging on Seagrass Health	Feb 08	Oceanica	Impacts of construction on seagrass and sessile invertebrates (eg sponges and corals).	*

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Historical Water Quality Review	Jan 08	Oceanica	Review of available local and regional water quality data.	*
Current Measurements	Feb 08	UWA	Acoustic Doppler Current Profiler (ADCP) data analysis.	*
Sediment Oxygen Demand	Feb 08	UWA	Results from sediment oxygen demand experiments using core samples from Binningup.	*
Marine Benthic Habitats	Feb 08	UWA	Marine benthic (sea bottom) habitat from underwater towed video and map interpolation.	*
CTD Measurements	Jan 08	UWA	Measurements of conductivity, temperature, oxygen and depth of the marine environment to determine stratification likelihood.	*
Beach Profile Monitoring at Binningup Beach	Feb 08	UWA	Baseline condition assessment of beach profile.	*
Ambient Real Time Monitoring	2008	Water Corporation	Monitoring buoy data.	*
Preliminary advice and recommendations for the minimisation of potential impacts of the SSDP upon marine mammals near Binningup, WA	Feb 08	Western Whale Research	Potential impacts on marine mammals from construction and operation of the plant.	*

Literature Review and Position Paper for Reverse Osmosis Desalination Plant Discharges	Apr 06	Water Consultants International	Literature review of over 70 international papers and environmental impact assessment reports on the impacts of brine discharge on the marine environment.	*
Oceanographic modelling study	Mar 08	KBR	Modelling the impacts on salinity of the brine discharge	*

### Other Reports

Report	Date	Consultant	Summary	
Social Impact Assessment	Mar 08	GHD	Assessment of potential social impacts of the proposal.	

\*Reports marked with an asterisk will be published the week commencing 25/3/08 on the Water Corporation's project website:  
[http://www.watercorporation.com.au/D/desalination\\_plant2.cfm](http://www.watercorporation.com.au/D/desalination_plant2.cfm)

Other reports are either still being peer reviewed or reviewed by the Department of Environment and Conservation and will be available at a later date.