

Community Support component - previous investments in Western Australia

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Avon

Benchmarking agricultural practices (\$130,327, 2003-04)

This project will develop a process to enable farmers to compare the environmental benefits of different farming practices/systems. It will provide farmers with an environmental scorecard to bring about improved decision making based on assessed economic and environmental benefits.

Tree crops for sustainable agriculture (\$156,000, 2003-04; \$100,000, 2004-05)

This project will facilitate continuation and implementation of the Basin Tree Crops strategy to improve soil/water conditions through the use of commercial tree crops. It will contribute to the development of a communication plan, produce maps of priority areas, initiate a marketing strategy and provide for an extension service.

Adaptation to sustainable farming systems through increased adoption of lucerne (\$180,000, 2004-05; \$185,000, 2005-06; \$185,000, 2007-08)

This cross-regional project will build on a 2003-04 NLP-funded 'Greening WA with lucerne' project. It will promote increased use of lucerne, build landholder management skills, develop partnerships with management and research groups, and make technical innovation more available to encourage landholders to use it.

Saltland Pasture Association Grower Support Network (\$157,200, 2005-06; \$159,600, 2006-07; \$162,000, 2007-08)

This project will establish a grower support network to provide landholders with essential on-ground planning and other support for using saltland pastures as a profitable way of managing salinity.

Coordination of Soil Health Extension in WA (\$207,600, 2005-06; \$209,868, 2006-07; \$193,196, 2007-08)

This project aims to improve the information and communication channels between researchers and landholders. The idea is to make sure landholders are aware of the latest research outcomes — and how to implement them — to improve the health of their soils.

Precision Agriculture Systems — Impact on Zone Management, Soil Health and Surface Water Management (\$119,293, 2004-05; \$133,644, 2005-06; \$131,993, 2006-07)

This project will use on-ground works and extension activities to demonstrate improved zone management outcomes, soil health and surface water management when using tramline farming, stubble retention and row-cropping technologies.

Benchmarking soil characteristics in the Kulin and Hyden Districts (\$101,800, 2007-08)

This project will determine current levels of soil health and soil constraints to sustainable crop production for landholders in two catchments. This will be achieved through soil sampling and analysis of 15 soil health parameters. The information will be delivered back to growers and incorporated into the Soil Quality website.

Addressing barriers to adoption of disc seeders in Western Australia (\$86,000, 2007-08)

This project will address identified knowledge gaps and develop an integrated information package on optimising disc seeder performance in WA zero-till cropping systems. It will complement and value-add to an existing research programme operating in South Australia. Activities will include integration of research knowledge, a nation-wide survey and farmer case-studies, and coordinated extension activities at regional workshops and conferences, including demonstrations highlighting best practice and pitfalls with zero-till disc seeders.

Establishing low rainfall Saline Farm Forestry in the north eastern wheat belt of Western Australia (\$38,443.60, 2007-08)

This project will establish four saline farm forestry demonstrations on valley floor sites in the north eastern wheat belt of WA, to trial salt tolerant tree and shrub species on moderately salt affected sites in a low rainfall region. The project will form the basis for subsequent analyses of: forestry management techniques; the viability of different species for commercial production; and potential for seed orchards. The project will also quantify the landcare benefits that can be achieved by farm forestry.

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Northern Agricultural

Strategic placements of perennials to control salinity and to optimise production in the West Midlands area (\$95,000, 2003-04)

This project will develop guidelines and provide recommendations for placement of perennials on farms to maximise benefits in water use and farm productivity. It will encourage the uptake of best options for respective sites.

Farm forestry capacity building (\$66,500, 2003-04; \$121,000, 2004-05)

The project will help farmers integrate commercially valued trees into existing land uses in the region, implement the Farm Forestry Regional Plan and attract further investment in farm forestry.

Grow broombush on saline land (\$133,200, 2003-04)

This project will establish plantation-style plantings of broombush grown on marginal land and within areas of secondary salination, potentially as a commercial crop for the area. It will monitor growth rates and survival under different establishment and maintenance techniques.

Integration of perennials into farming systems in the Moore Catchment area (\$160,500, 2003-04)

This project will reduce groundwater recharge through increased plantings of perennials in this high-salinity risk area. It will improve perennial performance and profitability through the management of perennials in grazing and cropping systems.

Demonstrate an integrated drainage and land management system (\$137,450, 2003-04)

This project will be carried out by the Yarra Yarra Catchment Management Group, and involves developing a stable and sustainable catchment drainage system. It will make use of best practice methods, to manage rising water tables, waterlogging and flooding. This will help stabilise and reverse trends in salinity, improve the sustainability of production and help preserve biodiversity.

Perennial pasture trials in the Mullewa dryland agricultural farming system (\$14,000, 2004-05)

The project will determine which perennial pasture species are most productive and persistent, and which soils/land forms are most suitable for perennial pastures before testing them in paddock-scale sowings as a potential salinity control measure.

Buntine-Marchagee integrated surface water demonstration catchment (\$94,770, 2004-05; \$20,000, 2005-06)

The project will apply an integrated surface water management plan to establish an 873-hectare best-practice demonstration site catchment.

Planning and implementing on-ground works to control surface water and erosion in the Red Gully Catchment (and adopt best practice grazing management techniques) (\$189,500, 2004-05; \$23,600, 2005-06)

The project will establish a Grain & Graze demonstration site, and provide support for landholders to use perennial pastures, build fencing to improve riparian vegetation and protect revegetated saline scalds.

Do perennials really use more water than annuals? (\$99,600, 2004-05; \$42,600, 2005-06; \$43,600, 2006-07)

The project will quantify perennial pasture water use and compare it with annual pastures and crops to predict (using models) the impact on salinity and groundwater, and encourage landholders to adopt perennial pasture farming systems.

Large-scale testing of downhill tramline farming and very wide cereal rows (\$119,367, 2004-05; \$90,617, 2005-06; \$90,617, 2006-07)

The project will use on-ground and extension works to demonstrate improved surface water management and sub-surface soil compaction using tramline farming, the reduced risks of yield and grain quality losses in dry seasons on shallow soils by wide-row cereal methods and the reduced risks of financial loss from herbicide use in dry seasons, by using inter-row shielded spraying.

Long term sustainability of profitable 'medium rainfall' farming systems (\$97,634, 2005-06; \$101,909, 2006-07; \$106,393, 2007-08)

This project will develop and deliver workshops and information packages to boost the long-term sustainability of farm businesses facing with the increasing threat of herbicide resistant ryegrass and wild radish.

Geophysical investigation of paleochannels in WA's Yarra Yarra Catchment (\$30,000, 2004-05)

The project will use ground and borehole geophysical methods to obtain data on paleochannels believed to lie beneath the Yarra Yarra Lake System. It will complement a current study to assess the status of the waterways and surrounding landscape in each of the 11 management zones in the Yarra Yarra Catchment Management area to develop action plans to address issues of concern.

Evaluation of an enclosed sub-surface (perforated pipe) drainage as an alternative engineering option for managing saline land (\$151,750, 2004-05; \$28,750, 2005-06; \$38,750, 2006-07)

This project will investigate the viability of enclosed sub-surface drains as an alternative or complementary option to open-surface drainage. It will examine the workability and rehabilitation of saline land to determine if they are an environmentally and economically sustainable engineering option to address salinity.

Agronomic package and benchmarking for mildly and periodically saline land allowing for viable pasture and cropping options (\$95,772, 2005-06; \$103,156, 2006-07; \$117,014, 2007-08)

This project will investigate the management of mildly saline land colonised by 'iceplant', and provide landholders with ways of better using the land and stopping degradation.

Reducing erosion under high stocking rate grazing systems (\$142,000, 2005-06; \$126,000, 2006-07; \$98,000, 2007-08)

This project will identify profitable, high-stocking grazing systems and crop rotations that minimise erosion and reduce seed from herbicide resistant weeds.

Creating productive saltbush pastures on saline land (\$100,592.50, 2007-08)

This project aims to improve the profitability and agricultural sustainability of the Moora-Miling Pasture Improvement Group region, by farmers proactively tackling saline land on their properties by changing their farm and land management systems.

Large scale planting of perennials to reduce erosion and recharge in the Lake Indoon Catchment (\$70,000, 2007-08)

This project will reduce the rate of rising groundwater tables and the risk of wind erosion by planting 1210ha to a mix of perennial grasses and saltbush, thereby returning once abandoned land into full production in the Lake Indoon Catchment. This work will be supported by scientific data collected during the project, which will be extended to the wider community through regular newspaper articles, a field day and a report outlining the benefits of growing perennials.

Increase profitability and sustainability by managing soil type variability within farm (\$103,424, 2007-08)

This project will develop and then use a process for managing soil type variation on-farm, through the use of precision agriculture tools, farmer knowledge, and soil sampling. The result will be a better matching of cropping inputs and land use to the productive potential of soil types.

Extension of integrated catchment management for productivity and conservation in the Buntine Marchagee natural diversity recovery catchment (\$169,940, 2007-08)

This project will assist landholders to increase the sustainability of agriculture in this region by developing and implementing effective integrated catchment management plans to reduce the area impacted by waterlogging, erosion and secondary salinity on their property. It will also serve to protect the unique and representative biodiversity assets located in the valley floor adjacent to these properties.

Combating Erosion in the Warradarge Catchment (\$80,000, 2007-08)

This project will reduce the risk of wind and water erosion by planting 838ha to a combination of perennials including Tagasaste, Rhagodia, and a mix of perennial grasses (fine cut Rhodes, Gatton Panic, Signal Grass and Splenda Seteria), thereby returning once abandoned land into full production in the Warradarge Catchment.

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Rangelands

Develop pastoralist capacity to manage and control *Parkinsonia* in the DeGrey LCDC, Pilbara (\$35,300, 2003-04)

This project will map key areas of *Parkinsonia* for attention and train pastoralists in the chemical management of this thorny woody weed. It will support pastoralists in containing *Parkinsonia*, particularly in riparian areas.

Build fire management capacity in the Kimberley district (\$37,160, 2003-04)

This project will target the responsible use of fires. It will seek to enhance pastoral production through a better understanding of the use of fire as a pasture management tool and educate the community in the cost of inappropriate fire use.

Develop the capacity to manage Noogoora burr infestations in the West Kimberley area (\$49,000, 2003-04)

This project will undertake mapping of Noogoora burr and survey landholders to identify key areas of infestation and target areas for chemical management of this pest weed.

Lyndon River environs restoration (\$103,000, 2003-04)

This project, which will be carried out by the Lyndon Land Conservation District Committee, will control grazing pressure by strategically siting watering points and installing 'total grazing management' (TGM) infrastructure. Stock will also be fenced-off from fragile areas. The idea is allow country with historically high stocking rates to recover.

Roderick River catchment restorations project (\$100,000, 2003-04)

The Murchison Land Conservation District Committee will undertake a pilot study of declining rain-use efficiency and biodiversity loss. Filters will be installed to slow surface drainage; minor earthworks will re-establish drainage system baselines and existing infrastructure will be modified to reduce stock impacts during the restoration. The result will be a more regulated flow of water, nutrients and sediment into the lower reaches of the Murchison River. This will help restore riparian and wetland habitats, and the region's distinctive biodiversity.

Total grazing management yards installation for sustainable pastoralism (\$102,000, 2003-04)

The Nullarbor-Eyre Highway, Kalgoorlie, NE Goldfields and Sandstone Land Conservation District Committees will set up TGM infrastructure on properties throughout the region. This will enable pastoralists to control grazing pressure around water points, adjust stocking rates more frequently and control 'unmanaged' goats more effectively. This will enable strategic resting programs to be introduced allowing the rangelands to regenerate and boost the sustainability of pastoral activities.

West Canning Artesian Basin rehabilitation program (\$297,059, 2004-05)

The project will significantly reduce the volume of uncontrolled flow from bores (by 3,700 megalitres a year) on pastoral properties. It will also reticulate water to increase stock management capacity, reduce the pressure on single watering points where there is high erosion risk and reduce uncontrolled surface water flow to help control weeds and feral animals.

A community-based approach to vertebrate pest management in the rangelands (\$171,950, 2004-05)

The project will increase community, industry and local government engagement to enhance vertebrate pest management through on-ground activities, test new control measures, and provide training in data collection and recording skills.

Upper Gascoyne Rehabilitation Project (\$90,000, 2004-05)

The project will implement procedures to manage grazing pressure on six stations covering 2.5 million hectares. They will include five watering points to increase the distribution of grazing pressure, strategic fencing to reduce grazing pressure on degraded land, a demonstration site and development of a catchment plan.

Surveying populations and implementing chemical control on satellite infestations of mesquite and parkinsonia in the Gascoyne-Murchison Region (\$54,500, 2004-05; \$35,000, 2005-06; \$35,000, 2006-07)

The project will use aerial broad-scale mapping using GPS and mapping technology to identify areas of isolated mesquite infestations on stations, establish GPS photo monitoring points, undertake basal bark spraying of infestations and bi-annual monitoring for tree mortality and seedling recruitment.

Sustainable and profitable pastoral management in Western Australia's southern rangelands (\$169,100, 2004-05; \$156,276, 2005-06; \$162,276, 2006-07)

The project will help balance stocking rates and carrying capacity by developing tools to help estimate carrying capacity. This will involve accurately measuring stocking rates, determining decision points for setting stock rates, measuring stocking rates, and helping pastoralists to use these tools.

Co-ordinated and collaborative weed control in the Goldfields-Nullabor region (\$167,640, 2005-06; \$166,345, 2006-07)

This project will boost on-ground, strategic weed management by establishing partnerships between land managers.

Demonstrate Erosion Control Best Management Practice in East Kimberley (\$9,500, 2005-06; \$11,750, 2006-07)

This project will provide hands-on training and education for land managers in best management practices to control and prevent soil erosion.

The protection and conservation of the Gascoyne Catchment — Stage One (\$186,752, 2005-06; \$153,200, 2006-07; \$153,200, 2007-08)

This project involves managing grazing pressure to prevent further loss of soil condition and vegetation, and reducing the frequency and severity of erosion.

Total Grazing Management to Improve Pastoral Productivity, Land Condition and Biodiversity (\$85,680, 2005-06; \$66,500, 2006-07; \$66,500, 2007-08)

This project will demonstrate the potential long-term economic and ecological benefits of managing total grazing pressure at the regional level.

The protection and conservation of the Lyndon-Minilya River Basin – Stage 1 (\$129,930, 2005-06; \$113,000, 2006-07; \$86,000, 2007-08)

This project will put in place ways of managing grazing pressure to prevent further degradation of soil condition, vegetation loss, and reducing the frequency and severity of erosion.

Enhancing the capacity for pastoralists engagement in NRM (\$98,400, 2005-06)

This project involves district land conservation committees developing initiatives to increase the involvement of pastoralists in landcare activities.

Delivery of Rangelands Management Courses across the Kimberley, WA (\$24,500, 2005-06; \$24,500, 2006-07)

This project will deliver courses on pastures, grazing land, stock nutrition, erosion, weed and fire management to station staff, Indigenous communities and educational institutions across the Kimberley.

Adopting new technology for sustainable farming in the Ord River Irrigation Area (\$160,300, 2007-08)

Satellite imagery provides farmers with information and insights into farm management practices that lead to better management decisions. In the Ord River Irrigation Area, local producers are using this technology but have identified critical knowledge gaps in image interpretation. This project will fill these gaps by ground-truthing and data collection, correlating and increasing understanding of images, and will provide advisory/extension support to farmers.

Ruminant nutrition in the WA shrub-lands: to improve sustainable productivity (\$43,151, 2007-08)

This project involves incorporating ruminant nutrition principles and practices with existing project workshops that are focused on maintaining stocking rates within carrying capacity and landscape ecology. A ruminant nutrition specialist will participate in practical workshops including stock-yard and paddock activities, to improve the knowledge and skills required to apply ruminant nutrition principles to improving livestock productivity and range condition.

Fire management on Violet Valley Aboriginal Reserve (\$31,590, 2007-08)

This project will develop and implement a fire management plan for the Violet Valley Aboriginal Reserve in the East Kimberley. The primary aim is to improve the productivity and sustainability of the Indigenous pastoral enterprise on the Reserve, by reducing the incidence of destructive large-scale hot wildfires.

Protection and conservation of the Lyndon/Minilya River Basin – Stage 2 (\$127,170, 2007-08)

This project will rehabilitate and regenerate the land, river and creek systems in the drainage basin and sub-catchments that discharge into the Lake MacLeod wetlands from the Lyndon–Minilya Rivers Basin, through effective management of total grazing pressure.

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South Coast

New profitable native plant revegetation options and systems for a sustainable South Coast region (\$186,000, 2003-04)

This project is intended to accelerate the establishment of production systems based on native plant products. It will facilitate the adoption of research results and information sharing between practitioners, landholders and researchers.

Young River catchment resource planning and management initiative (\$27,500, 2003-04)

This project will deliver farm-level natural resource management plans that address farm productivity issues and reduce offsite impacts of agriculture. It is designed to address landcare risks identified in separate studies.

Implementation of Beaumont better farming group's NRM action plan (\$168,400, 2003-04)

This project will help implement an action plan to prevent or reduce soil structure decline, subsurface acidity and shallow water-tables in the Beaumont district.

Demonstration plantings, silviculture and promotion of potential commercial local trees/shrubs for salinity-affected areas (\$20,310, 2003-04)

This project will provide for field days, seminars and other education programs to assist in the delivery of integrated farm forestry options for profit and sustainability.

Evaluating perennials: resourcing land managers evaluating perennials in the South Coast region (\$165,000, 2003-04)

This project, which will be managed by the South Coast Regional Initiative Planning Team, involves evaluating the economic and environmental implications of using perennial pastures in broad acre farming. Three case studies, in each of six sub-regions, will assess the impact of perennials on livestock productivity and the environment. The project also involves developing a comprehensive extension program to promote the idea among local landowners.

Soil health and precision agriculture: the effects of organic residue retention on soil health and the role of precision technology in a continual cropping system (\$129,840, 2004-05; \$160,988, 2005-06; \$170,988, 2006-07)

The project will target gaps in knowledge, in particular the barriers to adopting stubble retention, on-ground works; monitoring and evaluating chemical, biological and physical changes to soil health, and grain quality gains and nutrient use; and extension strategies to increase the use of sustainable NRM practices demonstrating research findings.

Real advances in landscape recovery through productive agriculture, using ecologically enhancing perennials and increased water use (\$200,000, 2004-05; \$106,475, 2005-06; \$106,475, 2006-07)

The project will introduce a sustainable farming system to the North Stirling Pallinup and Frankland Gordon catchments. It will involve adopting perennial pastures, improved water management, the demonstrated impact of activities on ground-water levels and improved connectivity with native vegetation.

Strengthening the developing sandalwood industry across regions to achieve biodiversity, profitability and social targets (\$134,960, 2004-05; \$128,960, 2005-06)

The project will help increase growth in the sandalwood industry through on-ground and extension activities in the Avon, Blackwood and South Coast catchments including designing and establishing plantations and a demonstration site, providing technical assistance and producing a book on sandalwood.

Integrated catchment strategies to reduce NRM risk and improve production: A catchment demonstration project of salinity, waterlogging and eutrophication control (\$107,742, 2004-05)

The project will introduce new perennial pastures into the Sanders Road and Pearce Catchments, carry out surface water management earthworks and use the works to encourage the adoption of sustainable and productive agricultural practices.

Pasture phase farming systems and effects on soil health – More than a passing phase (\$123,075, 2004-05; \$97,825, 2005-06; \$100,325, 2006-07)

The project will establish and monitor a number of large, on-farm demonstration sites across the high rainfall Esperance Sandplain. It will compare pasture productivity and environmental benefits with annual pasture and establish, monitor and evaluate a small controlled ryegrass variety trial.

Assessment and Demonstration of Deepened Seed Beds on Waterlogging and Salinity Management (\$168,112, 2005-06; \$122,197, 2006-07; \$72,988, 2007-08)

This project will assess the effectiveness of deepened seed beds, raised beds and surface water drainage works in managing waterlogging and salinity in previously untested environments.

Profit Driven Water Use with Sub Tropical Perennial Pastures (\$175,196, 2005-06; \$179,332, 2006-07)

This project will involve landholders in paddock-scale trials and demonstrations of sub-tropical perennial pastures and provide the technical support they need to implement, manage and evaluate the pastures.

More than trees and fences: linking NRM to production in the Esperance Area (\$44,610.50, 2007-08)

This project will increase farmers' participation in natural resource management (NRM) in the Esperance area. The South East Premium Wheat-growers Association will work with the local NRM group, the Esperance Regional Forum, to engage farmers in NRM activities.

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South West

Geocapes nutrient smart (\$43,940, 2003-04)

This project will provide training to farmers to implement agreed best-practice nutrient and fertiliser management plans. It is aimed to improve farm profitability and reduce waste nutrient run-off.

Funding for 'Waterwise on the farm' irrigation management training program (\$184,950, 2003-04)

This project will provide workshops and individual farmer support to improve the skills and knowledge of irrigation farmers. It aims to achieve significant improvements in irrigation management and water efficiency use.

Dairy effluent, nutrient and water, best management practices (\$301,850, 2003-04; \$315,140, 2004-05)

This project will target agreed best management practices for dairy farms to reduce/minimise point source pollution. It will help farmers establish individual effluent/nutrient plans.

Training workshops in property planning, landcare and waterwise planting (\$29,210, 2003-04)

This project will provide training and skill development to agricultural landholders and small rural lot holders. It will engage groups not extensively picked-up in other programs.

Farm forest education, training and network development (\$117,000, 2003-04)

This project will increase landholder skills and understanding of farm forestry options and methodology with the intention of leading to increased plantings.

Farm forestry development officer for the SW region (\$98,500, 2003-04)

This project will provide a mechanism for engaging community and industry groups in farm forestry in the region. It will include strengthening partnerships with key interest groups (landholders, forest industries, local government and state agencies) to increase the adoption of integrated farm forestry to achieve sustainability and productivity outcomes.

A community-based environmental management system (EMS) framework to support implementation of the South West regional strategy for NRM (\$229,840, 2003-04)

This project, to be carried out by the Blackwood Basin group, will help implement around 60 on-farm EMS across the region using the BestFarms system — one of the National EMS Pilots. It will encourage local producers to develop and adopt sustainable and regionally specific management practices and improve their resource-use efficiency.

Demonstration and Training in Best Sustainable Management Practices for Irrigation and Nutrient Use in Agriculture (\$200,000, 2004-05; \$200,000, 2007-08)

The project will help farmers develop a Nutrient and Irrigation Management Plan that is specially tailored to their own properties and will be supported by the establishment of a number of demonstration sites, funded under the South West Regional NRM Investment Plan, to further promote Best Sustainable Management Practices.

Sustainable land management workshops in the Peel Harvey Catchment (\$85,204, 2004-05; \$85,204, 2005-06; \$85,204, 2006-07)

The project will raise community awareness of, and engage it in, landcare natural resource management activities through 72 sustainable land management workshops for an expected 1,800 participants. It will follow up the workshops to determine if they result in a change in attitude and land management practices.

Integrated catchment management in the Wagin/Woodanilling area (\$133,100, 2004-05; \$106,400, 2005-06)

The project will establish perennial vegetation on recharge and discharge areas, build banks and dams to increase water harvesting, manage surface drainage, fence and revegetate remnant bush and waterways, and map and reorganise farms to integrate flood and drought contingency management.

Planning and action for NRM in the Coblinine River Catchment (\$105,000, 2004-05)

The project will engage landholders, community groups, government and non-government organisations in NRM by developing a local action plan and a decision-making model to prioritise local asset features and management actions, establish perennial pastures, revegetate creek lines and recharge areas and fencing.

Supporting alternative commercial tree crops to enhance agricultural sustainability (\$117,300, 2005-06; \$117,300, 2006-07)

This project will help landowners adopt sustainable agricultural practices by establishing broombush as a commercial crop in waterlogged and salinity-prone areas around Katanning.

Waterwise on the Farm for South West (\$160,000, 2005-06; \$166,000, 2006-07)

This project will help landholders develop an irrigation management plan tailored to the specific needs of their own properties.

Improving agricultural best practice soil, water and biodiversity management (\$96,080, 2007-08)

This project will give agricultural land managers the skills and resources required to implement on-ground best practices that will improve soil, water and biodiversity management in the coastal sub-catchments of the Peel-Harvey Catchment. This will be achieved through on-ground works at target locations, field and training days, distribution of technical information, and development of a producer support group.

Improved industry capacity for winery wastewater treatment and monitoring (\$87,209, 2007-08)

This project will improve industry understanding of best practice in winery wastewater treatment and disposal. It will achieve this through evaluating the acceptability of current systems and sharing this information with the industry. The project will also develop industry's capacity to self-assess its current practices and adopt best practice.

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Swan

Demonstration of improved water management in the Wanneroo groundwater area (\$300,000, 2003-04; \$110,000, 2005-06; \$150,000, 2006-07)

The project, to be managed by the Gnangara Task Force, will allow up to 100 additional growers to participate in the *Water Wise on the Farm* program. This will involve installing in-field measuring equipment that will enable individual growers to monitor the parts of their irrigation system that affect overall water use and nutrient leaching. The growers will also be trained in water use efficiency, leading the better management of environmentally sensitive areas.

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Statewide

Greening WA with lucerne (\$150,000, 2003-04)

This project will target the delivery of latest developments in lucerne technology to primary producers and groups for salinity management across WA NRM regions. It will seek to increase the area of agricultural land under long-term sustainable and profitable management practices.

Profit Driven Water Use with Sub Tropical Perennial Pastures (\$165,570, 2004-05)

This cross-regional project will engage farmers in paddock based trials and demonstrations of the use of sub tropical perennial pastures and provide technical support to farmers in implementing, managing and evaluating pastures.

Perennials north and south (\$221,000, 2007-08)

This project aims to increase lasting adoption of perennial farming systems by providing technical advice to catchment group farmers to ensure they successfully grow perennials. The advice will be supported by demonstrations, written advice and technical forums. A secure WA seed supply will also be investigated.

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