



FORESTRYSA / PIRSA FORESTRY
SERVICE LEVEL AGREEMENT ANNUAL REPORT
2008 / 2009

30 June 2009



Government of South Australia
Primary Industries and Resources SA



ForestrySA



**Government
of South Australia**

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1. Overview

The Service Level Agreement between ForestrySA and PIRSA Forestry outlines the agreement between ForestrySA and PIRSA Forestry for the provision of specific business functions to PIRSA Forestry in the following programs: Community Forestry, Forest Industry Development and Community Fire Protection.

It recognises the business relationship that exists between ForestrySA and PIRSA Forestry. Its purpose is to enhance this relationship by defining the services agreed between ForestrySA and PIRSA Forestry.



2. Programs



2.1 Community Forestry program

The Community Forestry Program involves the planning development and delivery of policies and activities that effectively and efficiently:

- > Manage public access and recreation activities in the State's forest reserves.
- > Protect and enhance the biodiversity, cultural and heritage values associated with the State's forest reserves.
- > Encourage community engagement and participation in activities that support the above.

2.2 Forest Industry Development Program

The Forest Industry Development Program includes the planning, development and delivery of activities that effectively and efficiently:

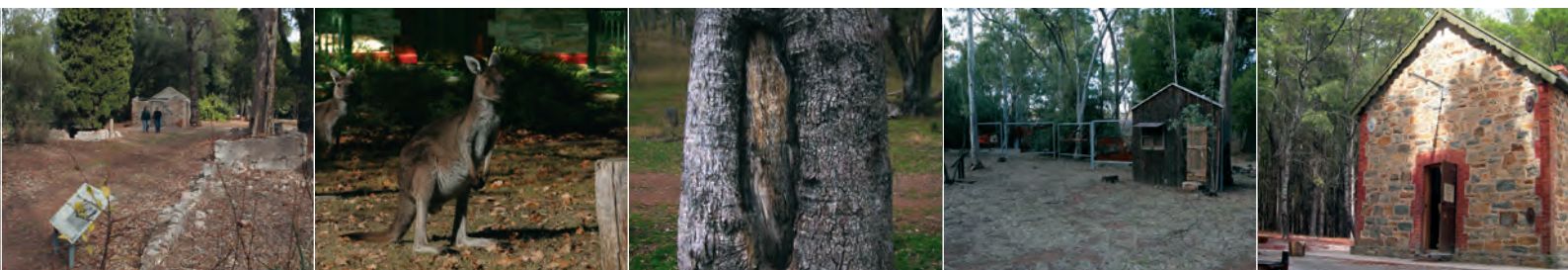
- > Undertake forestry related research for the benefit of the State and forest industry where appropriate using the State's forest reserves and other land.
- > Develop and manage forestry demonstration and gene conservation areas in the State's forest reserves and other land.
- > Areas of research conducted under the Service Level Agreement include:
 - > Establishment and mid rotation silviculture.
 - > Environmental impacts.
 - > Tree improvement and genetics.
 - > Alternative species, products and services.
 - > Product improvement and innovation.
 - > Low rainfall forestry
 - > Communicating research.

2.3 Community Fire Protection Program

The Community Fire Protection Program involves the planning, development and delivery of activities that effectively and efficiently:

- > Contribute to regional community bushfire protection over and above that needed for ForestrySA's own commercial asset management requirements.
- > A component of ForestrySA fire preparedness and suppression expenditure has an element of CSO as it is significantly above the level provided by any equivalent forestry company in the private sector.

3. Highlights from 2008/09



3.1 Community Forestry Program

- > Under the Caring for our Country program a \$105,000 grant was received for the Mount Burr Habitat Rehabilitation Project. An additional \$115,000 in supplementary funding was also received from South East Natural Resource Management Board (Building Our Natural Estate Investment Program) – both leveraged from efforts undertaken through the SLA.
- > Caring for Country also provided \$30,000 funding for the Mount Lofty Ranges Regional Boneseed Control Program. Another \$24,500 of grants were secured from South Para and Sixth Creek Natural Resource Management Groups, for further weed control works in the MLR District.
- > ForestrySA continued to make significant contributions to collaborative planning through several NRM boards, and is participating in the initiation of a South Australian Weed Hygiene Code of Practice.
- > Close collaboration with BicycleSA has seen continued development of the Cudlee Creek Mountain Bike Trails project, including an development of 2 international standard downhill trails and development of designs for car parks, supported by grant funding from the Office for Recreation & Sport and PlanningSA
- > Further expansion and consolidation of the schools biodiversity corridors project, including assistance with propagation nurseries at Millicent High School, Newbery Park Primary School and the Glenburnie Primary School. Assistance was also provided to Millicent High School for a native fish (conservation) farm.
- > Re-development of an internal C&R policy and framework to provide direction and guidance to all ForestrySA staff and to future works, and to reflect the shared responsibility for C&R activities across the organisation.
- > The Community Forestry Program, contributed over 43,000 hours (or 24 FTE), engaging schools, Department of Correctional Services, and members of the community through volunteer and community service programs. This program accounts for about 70% of the wild pine control, weed strategy, rubbish management, and heritage infrastructure projects.

3.2 Forest Industry Development

- > Warreanga *P. radiata* (Guadalupe) Conservation Area Management Plan developed and stocking count completed. This represents the largest conservation pool of Guadalupe genetics in the Southern Hemisphere.
- > APVMA* Off Label Minor Use Permit for the use of sulfometuron-methyl in *Eucalyptus*, *Corymbia* and *Pinus* plantations issued to ForestrySA on behalf of the forest industry. Notification of the granting of the permit passed to other major plantation growers in SA and elsewhere.
- > ForestrySA continues to provide input into State and National forestry policy development through peer review of technical papers, and attendance of meetings in relation to plantations.
- > *Eucalyptus globulus* nutrient monitoring program (EM136). Ten year project completed and report forward to PIRSA Forestry. Trial data will be used by external agencies for development of *Eucalyptus globulus* nutrient management in the Green Triangle.

*Australian Pesticides and Veterinarian Medicines Authority

3.3 Community Fire Protection program

- > The 2008/09 fire season commenced on 10 November with abnormally dry levels of soil dryness in all forest areas. The seasonal predictions were for above average temperatures and below average rainfall. Some relief was experienced in December with heavy rains in both the Green Triangle and Mid North. Milder weather associated with continuing spring weather patterns delivered a cooler than normal start to summer. The ForestrySA fire season concluded April 24, 2009 when considerable rainfall across the State lowered fire danger in forest and surrounding areas.
- > The ForestrySA fire season extended for 167 days, in comparison 07/08 was 173 days and 06/07, 185 days. Although the fire season was a little shorter than the last several years and with fewer extreme days, the fire danger overall was higher than most years.
- > A total of 43 fires were attended for the season, with more than half of those were again off ForestrySA lands. A total of three external fires burnt onto ForestrySA land. All fires starting on ForestrySA land were contained within boundaries.



4. Program Reports



4.1 Community Forestry

2008/09 CSO Projects –Final Quarter Reporting 30 June 2009

Primary	Project Milestones	Start – Finish Dates	Achievements
Conservation & Recreation			
Analysis of Project Vesta – Green Triangle			
BH & DS (AM & IR)	Compile fuel load data (per Project Vesta methodology) in selected native forests.	Aug 08/Sept 08	<ul style="list-style-type: none"> > Meeting with Fire Management Officer to look at project sites. > Collation and collection of all data including missing fuel height data for model complete. > Training at Brukunga CFS in use of the model. Excel format of model to be used by FSA.
	Compile FFDI (MOD through to EXT) and weather scenarios for selected sites.	Sept 08/Oct 08	<ul style="list-style-type: none"> > Weather scenarios and FFDI information collated for High, Very High and Extreme.
	Input data into model and produce fire rate of spread scenarios for selected sites.	Nov 08/Dec 08	<ul style="list-style-type: none"> > Entered all data into model and produced spreadsheet with rates of spread for various weather and fuel load scenarios in GT region. Algorithm not available, but used field guide for this exercise.
	Generate a GT fire hazard map for use in the development of the state wide Fire Management Plan.	Dec 08/Dec 08	<ul style="list-style-type: none"> > Further discussion required with D Stevens on mapping requirements. Suggest adjusting milestone to be completed by end of Fire season in Apr 09. Meeting with Islay R to discuss final reporting (mid May09). A draft final report has been produced. Sent to Dave S for comment before forwarding to Islay R in June.
	Project completion estimate	April 09	<ul style="list-style-type: none"> > Project completed
Biodiversity Corridors – Green Triangle			
BH & RM (SL)	Complete establishment of three corridors through direct seeding and tube stock plantings.	July 08/Aug 08	<ul style="list-style-type: none"> > Planting completed in all corridor sites, included BL to WO (4), HH to WD (1&2), DC transplanting, SG to DC (3) and HE to YE. Ordered new seedlings for 2009.
	Undertake quarterly site visits (and reports) to all nine sites to inform future management needs.	July 08/June 09	<ul style="list-style-type: none"> > Updated maps for bird monitoring contractor.

Primary	Project Milestones	Start – Finish Dates	Achievements
	Undertake tending works in Spring 08 and Autumn 09 with volunteers and contractors at all nine sites where planned and/or required. Undertake tending works in Spring 08 and Autumn 09 with volunteers and contractors at all nine sites where planned and/or required.	Aug 08/June 09	<ul style="list-style-type: none"> > Tending works (thinning trees/hand pulling weeds) with new school Newbery Park PS at GO to WH (1); Produced project brief for weed control works in SG to DC, HO to WO and BL to WO, handed onto Rob M for implementation; Purchased seed collecting sieves for MHS. Arrange for sheep grazing with neighbour for BL to WO for control of grass weeds. Repaired minor damage (with Sharn S) by sheep to tree guards in BL to WO 3. > HH to WD Summer control works completed by Jones contractor through State NRM funding. > WO to HO and BL to WO summer weed control works completed by Jones contractor through PIRSA Forestry/SENRM funding. > Began field trips with Glenburnie PS at SG to DC, manual seeding, weed removal and herbarium collection in Cpt 2.
	Undertake Spring 08 vegetation transects (incl. photo points) at all nine sites to update our knowledge on native plant cover, weed impacts and overall site changes.	Aug 08/Nov 08	<ul style="list-style-type: none"> > Baseline Vegetation lists have been produced for 5 of 9 corridors to date (since August 07 to Jan 08). Due to work commitments on Bray (zoning project) during this period no further sites have been surveyed. Request for milestone to be adjusted to finish at June 30 to allow time for winter transects to be completed on the remaining 4 sites. This milestone was also relates to the Vegetation Survey Methodology (below) which was to collect vegetation information also, but to date only on 3 corridors not all 9.
	Liaison with PIRSA Forestry's Biodiversity Officer to meet reporting obligations for NRM serviced funding and particularly for quarterly reporting at the end of September 2008 and December 2008.	Sept 08/June 09	<ul style="list-style-type: none"> > NRM funding component invoiced for works YTD to end March 09; provided feedback/information to Sharn S on monitoring article on birds/flora for SENRMB Monitoring Newsletter. > Attended stakeholder meetings to discuss results for Year 3 bird monitoring in FSA corridors.
	Assist with PIRSA Forestry's Biodiversity Officer with development of a vegetation survey methodology.	July08/June09	<ul style="list-style-type: none"> > Project meeting with PIRSA Forestry to develop vegetation monitoring protocols. > Provided induction to contractors and assisted with equipment and ID of contents in pitfall traps for project partners. > Attended meeting with Sharn S to discuss findings from pilot vegetation project using bird data/ knowledge.
	Project completion estimate	April 09	<ul style="list-style-type: none"> > Project completed
Bushfire Mitigation Program Ranges & Green Triangle Districts			
AM & GJ (DH, TH & TW)	Finalisation of firetrack classification and GIS mapping in GT Native Forest Reserves.	July 08/June 09	<ul style="list-style-type: none"> > Firetrack classification and GIS mapping of all Ranges District Forest Reserves and inclusion of this information onto DEH database and included in updates of CFS Mapbooks > Work undertaken on track classification and mapping including track naming and gate identification. > GT – Draft of track naming completed. > GT - Draft of track classification in process of being prepared. > GIS layers in production.

Primary	Project Milestones	Start – Finish Dates	Achievements
	Development of a firetrack works program for ForestrySA land in the MLR, Mid North and GT Native Forest Reserves.	July 08/June 09	<ul style="list-style-type: none"> > Manufacture and installation of signage on approx. 90% of MLR Forest Reserve - remaining 10% to be completed by 30 June 2009 > Manufacture of signs firetrack signs for Bundaleer Forest completed. > Manufacture and installation of young compartment signs in MLR – Forest Reserves > Track classification and GIS mapping of GT NFR's completed. > Planning for fire track naming and signing GT NFR's undertaken. > Work undertaken for GT including development of draft works program.
	Development of 2009/10 BMP project applications linked to the firetrack works program.	Sept 08/Oct 09	<ul style="list-style-type: none"> > Development of a state based firetrack signage standard via interagency working group completed and approved (Note there was no national or other state standard). Project also included review and update of the GAFLC Firetrack Standards > Work undertaken in project identification for next 2009/10 grant applications. > Grant applications for 2009/10 not yet available (Please note that grant applications for the 2008/2009 round were not available until May 2008)
	Implementation of the 2008/09 BMP project if it is approved.	July 08/Dec 08	<ul style="list-style-type: none"> > Project has been approved some work undertaken in the quoting and contract development for implementation of the project. > GT – Signage installation commenced
Green Triangle Forest Management Plan			
AM & JC	Establish Forest Plan Working Group	July 08/June 09	> Complete (Burr District only)
	Develop draft plan	Aug 08/June 09	<ul style="list-style-type: none"> > Commenced formatting of plan template from Northern Forests plan. > Forest plan working group and other relevant FSA staff have commenced the preparation of their section of the draft plan. > Sections of plan provided for inclusion into plan. Information from working group collated into draft plan. Map production begun, Feb 09. > Draft 2 of plan prepared and tabled at Operation Group meeting. > First draft of GIS maps prepared and ready for inclusion into the plan. > Draft 3 of plan prepared and sent to Mount Burr Forest Manager for comment > Draft 5 of plan prepared & sent to Operations Group and contributors for comment.
	Final plan developed with FSA Executive approval	June 09 /June 09	> Editing & Formatting etc undertaken for completion of plan for EGM and FSA Executive approval by 30 June 2009
	Undertake Interagency and stakeholder consultation – Plan endorsed	July 09/Sept 09	> Draft Plan to be released (approved for carry over by PIRSA Forestry).
Implementation of the Cudlee Creek Downhill Mountain Bike Sustainability Plan			
AM & Nick Bowman BicycleSA	Implement "sustainability" works recommendations for the "Bowl Track" and "Fox Creek DH" (Steep Track).	July 08/Dec 08	> Further work undertaken in the development of two new trails including regrading and improvement of trail standards.

Primary	Project Milestones	Start – Finish Dates	Achievements
	Identify and implement methods to control vehicle traffic on Fox Creek Road and Croft Road to ensure safety and security for local residents and the broader public.	Planning - July 08/Oct 08 OGW – Nov 08/June09	<ul style="list-style-type: none"> > Meeting with landscape architects to gain quotes for planning and design of car parks. > Meeting with Bicycle SA – Project officer to select landscape architect to undertake car park planning project. > Flight path Landscape Architect have been selected and commenced concept planning for the car parks. > First draft of car park concept plans prepared.. > Second draft of Fox Creek car park plan prepared. > Site meeting for Fox Creek Car park Development > Final of Car park plans completed.
	Implement on ground works that improve the trail network and promote optimal use of the existing facilities.	July 08/June 09	<ul style="list-style-type: none"> > Planning/coordination for landscaping revegetation/ weed control in winter 2009 in area of proposed new trail > Inspection of new downhill trail – “Paterson’s Curse” with Bicycle SA CEO and Project Officer.
	Provide a priority order for a sustainable trail network that will act as a foundation for any future trail developments.	July 08/June 09	<ul style="list-style-type: none"> > Some discussions with Bicycle SA and other stakeholders has been undertaken regarding this part of the project. Guidance for this part of the project will be developed based on information contained in the SATCC resource document – Sustainable Recreation Trails – Guidelines for the Planning, Design, Construction & Maintenance of Recreation Trails in SA. > Site meeting for Mawson Network Trails Development > Priority of works identified based on detail in Stage 2 of original CCF Mt Bike Plan. Further development will be for the extension of cross country trails into the northern section of the forest and will be reliant on availability of external grant funding.
	Utilise secured grant funding to facilitate the necessary on ground works.	July 08/June09	<ul style="list-style-type: none"> > 3 new downhill trails completed – Super Bowl, Duck & Weave and Paterson’s Curse. > An additional \$10,000 of funding has been provided by PlanningSA for the Cudlee Creek Forest trails project following a request for support by ForestrySA. > Meeting with Friends of the Forest Mt Bike Trail volunteers to discuss trail realignments for the xc trails in Cpts 139 & 120 . Planning undertaken for trail realignments. OGW in Cpt139 undertaken. Green corps teams organised to assist with this work
	Provide suggestions for potential future developments that may be included as components of Stage 2.	July 08/June09	<ul style="list-style-type: none"> > Some discussions with Bicycle SA and other stakeholders have been undertaken regarding this part of the project. > Priority of works identified based on detail in Stage 2 of original CCF Mt Bike Plan. Further development will be for the extension of cross country trails into the northern section of the forest and will be reliant on availability of external grant funding.
Mount Lyon Native Forest Reserves – Resource Document Production & Gazettal			
TH (BH & AM)	Native Forest Reserve boundaries approved by ForestrySA Executive.	July 08/July 08	<ul style="list-style-type: none"> > C & R has agreed with GT operations staff > EGM (Ops) to sign off > Updated maps produced and sent to EGM (Nov) for approval.
	Editorial committee contributes to and finalises Resource Document.	July 08/Aug08	<ul style="list-style-type: none"> > Draft plan has been edited by editorial committee and further work is being undertaken to prepare final plan.
	Resource Document approved through line-management, approved by CE.	Sept 08/Oct 08	<ul style="list-style-type: none"> > Further work required to meet this milestone.

Primary	Project Milestones	Start – Finish Dates	Achievements
	Gazettal Plans produced.	July 08/Aug 08	> Some work on the development of GIS plans has commenced further work required to complete process.
	Cabinet submission and Gazettal Plans sent to PlanningSA for lodgement.	Oct 08/Nov 08	> Gazettal process on hold until completion of the gazettal plans. This gazettal process will also be undertaken with gazettal process for Wirrabara Forests NFR's. Request for milestone to be adjusted to May/June 2009.
	Reserves approved by Parliament and published in SA Government Gazette.	Dec 08/June 09	> Request for milestone to be deferred to 2009/10 due to anticipated adjustments to Wirrabara Forest NFR's project.
Prescribed Burning Manual and Document System Integration			
TH (BH & AM)	Prescribed Burning Manual and associated guidelines incorporated as part of the FSA document system.	July08 / Aug 08	> Final revisions and edits completed for manual: commenced process for incorporation into FSA controlled document system. > New document registered for approval by EGM > Final Manual and associated forms completed May 2009.
	Review of previous policy and forms to ensure all relevant aspects captured.	July 08/Sept 08	> Preliminary review of policy and forms completed. > Ecological Burn Guideline up as draft form.
	Training Package Produced.	Sept 08/ Oct 08	> Training package will be developed following the finalisation of the review of previous policy and forms to ensure all relevant aspects captured. Request for milestone to be adjusted to April 2009.
	Roll-Out of Training Package	Oct 08 /Nov 08	> Roll-out will be undertaken following the development of the training package. Request for milestone to be adjusted to May 2009.
Proposal for a Plan for the Management of Rubbish in Forests			
TW, RM, PS (C & R team)	Identify project section / leader	July 08	> Working group established
	Form working group of key members both internal / external	July 08/ Aug 08	> Internal working group developing strategy to identify and engage external stakeholders. Project behind schedule due to other work priorities including planning and management for the implementation of external grants - Caring for Our Country and SENRMB.
	Review of all relevant literature / procedures / reports.	July 08/Sept 08	> Review complete > Progress meeting planned for Feb 09
	Draft plan produced	Sept 08/Nov 08	> New milestone March 09
	Final plan produced	May 09	> Draft plan prepared - to be finalised early in new financial year
	Develop works program to identify projects for implementation as Community Programs when volunteer groups become available.	Nov 08/June 09	> Department for Correctional Services group undertaking work on a continuing basis.
Ranges District Forest Infrastructure Development Plan			
AM & DH	Project subject to capital works budget approval.		Draft Infrastructure plan and outline of proposal has been submitted to Executive General Manager Operations (Oct 07). > Roding works and campground design layout to commence for Chalks Campground Feb 09 > Avenue of pine trees along Centennial Crive have been felled and the slash has been removed. > Site planning & grading works have commenced for the Chalks Campsite re- development. Fencing of camp site has commenced.

Primary	Project Milestones	Start – Finish Dates	Achievements
Wirrabara & Bundaleer Forests Heritage Building Project			
AM & DH	Options for external funding and future use investigated.	July 08/June 09	<ul style="list-style-type: none"> > Process identified to develop site plans and documentation for FSA Historic and recreational facilities. > Draft plan prepared to address heritage significance, architectural drawings, future use, educational and interpretive options and external grant options.
	Interpretive and educational training opportunities investigated	July 08/June 09	<ul style="list-style-type: none"> > Interpretive signage developed and installed at the Bundaleer Cottage. > Educational training in place linked to Community Programs training & works program. Further work required to document other opportunities required. > Draft plan prepared to address heritage significance, architectural drawings, future use, educational and interpretive options and external grant options.
	Volunteer/Community groups in place implementing conservation works (Note - this part of the project relates to the Community Programs – Built Heritage Program project brief).	July 08/June 09	> Volunteer/Community groups in place implementing conservation works refer to Community Program Projects – Status for Built Heritage Program.
Wirrabara Range, Spaniards Gully & King Tree – Gazettal & Resource Document*			
JC & AM (TH & BH)	Continue program of biological data collection.	July 08/Mar 09	<ul style="list-style-type: none"> > Investigating biological survey contractors; proposal to Nature Conservation Society for biological survey in Spring 2009; local interest groups/contractors contacted; proposal to Native Orchid Society of South Australia for Spring orchid surveys; maps and materials prepared for proposed vegetation association mapping to occur in week of 19 January. > Vegetation association mapping and flora surveys in Wirrabara Forest Reserve over 4 days (Wirrabara Range, Spaniards Gully and King Tree) – collection of GPS point data for upload into GIS and extensive notes and photos. 'Discovery' of significant flora species not previously listed for reserve, <i>Olearia pannosa</i> ssp. <i>pannosa</i>, rated as Vulnerable under Commonwealth EPBC Act. Data and mapping for inclusion in the Resource Document.
	Collate existing and new data for production of Resource Document.	July 08/Mar 09	> Commenced formatting of template for Resource Document; ongoing data entry and editing.
	Prepare and submit gazettal documentation for Wirrabara Range and Spaniards Gully	Mar 09/June 09	<ul style="list-style-type: none"> > Internal memo to Manager, C&R Planning to commence gazettal process for Wirrabara Range and Spaniards Gully; gazettal plans were approved by Surveyor-General in 2002 final approval process needs to be followed through; will form part of submission for gazettal of Kaiserstuhl, Lake Edward and Mt. Lyon. > Native Orchid Society of South Australia booked in for first week in September for flora surveys in Wirrabara; other Friends of the Forest will also be involved for spotlighting, feral surveys, etc.; planned involvement of NCS for small biological survey is not possible due to new restrictions on mammal/reptile trapping (paperwork too difficult); request put to Herpetology Group instead and individual ornithologists for bird surveys. > First draft of Resource Document to be completed by end of June (without the updated biological information)

Primary	Project Milestones	Start – Finish Dates	Achievements
	Internal and external consultation on Draft Resource Document.	Sept 09/Oct 09	> A major component of the Resource Document is to update biological information for the reserves, e.g. vegetation associations, flora, fauna. Efforts were made in 2008 to source local biologists to undertake survey work in Spring 2008 however no one with the appropriate knowledge and/or qualifications was available at that time. Spring is the best time for surveying for flora so alternative arrangements have been made with biologists from Adelaide to travel to Wirrabara in Spring 2009. The results of these surveys will therefore not be available until at the earliest October 2009. As this survey information is a key part of the document the completion date of the Resource Document be postponed until the end of November 2009.
	Resource Document completed.	Nov 09	> Approved for carry over by PIRSA Forestry
Community Program Projects			
Built Heritage Program			
	Bundaleer Cottage - Windows, roof iron, doors and floors completed, building water proof and 'locked up'.	July 08/June 09	> Internal walls completed and whitewashed: roofing underway on stables; drainage works completed; replacement floors underway. > Internal flooring completed, windows/doors fitted and building a 'lock up' stage. Preparations for facility to be used for the 'Bundaleer Weekend'
	Wirrabara Cottage - Internal floor 'made safe', roof sealed, back porch remove/made safe.	July 08/Mar 09	> Project work completed.
	Wirrabara nursery & other associated works		> Wirrabara nursery – heritage fence completed; Curnow's fruit Cave- Boardwalk, railing and stone repairs completed. Work completed at this stage
	Dry Creek stage coach building - roof secured	July 08/Dec 08	> Roof secured – work completed at this stage
	Project completion	April 09	> Bundaleer Cottage – project completed > Wirrabara Cottage – project completed > Wirrabara Nursery and other associated works – project completed > Dry Creek stage coach building – roof secured-project completed.
New Arrivals Program			
	Contact 'partner agencies'.	Feb 09/ Mar 09	> Submission being negotiated in partnership with Greening Australia to access commonwealth funding through 'innovations funding panel' > Designed to involve 'new arrivals' in volunteer and training programs. > Funding being sought for Project officer (Mark Whan)
	Contact with potential participants.	Jan 09/June 09	> Application submitted to relevant authority
	Program of participation developed.	Jan 09/June 09	> Approval for deferral by PIRSA Forestry
	Initial volunteering activities.	May 09/June 09	> Deferred
Teacher Education – Native and Plantation Forest			
	Teacher education institutions identified and contacted with project proposal.	Aug 08/Nov 08	> Negotiations under way with UNISA Adelaide campus.
	Planning/timetabling of initial student teacher class to participate.	Feb 09/June 09	> Lack of uptake from teacher education faculties/lecturers suggest this project be put on hold.

Primary	Project Milestones	Start – Finish Dates		Achievements
	Two student teacher groups (classes) 'on site' in the Mount Lofty Ranges.	Mar 09/June 09	>	Deferred with approval from PIRSA Forestry
	Assessment of program viability (Graduate uptake rate).	Dec 09/June 09	>	Deferred with approval from PIRSA Forestry
Visitor Infrastructure Program				
PS (AM & DH)	Identify project section / leader	July 08	>	Internal working party identified
	Chalks Waterhole, Wirrabara nursery, Ippinitchie Campground and Thomas Hill Education Centre			
	Form working group of key members both internal / external	July 08/Aug 08		Internal working group identified: priority projects to date include Chalks Waterholes (bridge design and construction & completion of walking trail); Ippinitchie Creek
	Mount Crawford Schoolhouse, Bennett's shower block and MLR camp site upgrade			
	Review of all relevant literature / procedures / reports.	July 08/Sept 08	>	Review complete with appropriate reports being forwarded to builders
	Draft plan produced	Sept 08/Nov 08	>	Request milestone be changed to April/May 09, as draft plan will follow the completion of the C & R strategic framework
	Final plan produced		>	Deferred to 2009/10
	Develop works program to identify projects for implementation as Community Programs when volunteer groups become available	Nov 08/June 09	>	Work program for 'Kersbrook Green Corps' completed incorporating works on projects above. Chalks waterholes continuing. Timber for Ippinitchie creek bridges drying at present. > Plan for works at Thomas Hill and old school house established. Some works for GreenCorp and others to be undertaken by contractors.
Wild Pine Control Program				
	Wild pine control areas identified and prioritised.	Jan 09/Dec 09	>	Meeting with DEH re wild pine priorities; preliminary identification of sites complete – needs to be further refined based on priority and suitability for volunteers. > Received commendation from South East Natural Resource Management Board for work completed to date. > Wild pine priorities identified, Department for Correctional Services undertaking pine clearance currently. > This project will continue in 2009/10

4.1 Community Forestry Program - Agreed Performance Measures

Agreed Performance Measures		July 2008 to June 2009
1. Public Access and Recreation		
Number of visitors to forests.		114,319
Number of permits issued by category.		2,974
Number of forest events.		276
Number of compliance enforcements.		179
Visitor facility planning, development and upgrade updates.		7
Ranger FTE delivered.		7
2. Biodiversity and Heritage		
Number of Forest Management Plans completed/reviewed/scheduled.		3
Number of biodiversity and heritage surveys completed.		19
Number of field days, tours and presentations to the public providing information and interpretation of natural history and forest management.		6
Hectares of revegetation works planned, established and maintained.		9
3. Community Engagement and Participation		
Number of volunteer groups actively engaged.		345
Volunteer hours recorded.		43,000
Number of forest education programs supported.		50
Examples of user group, community and agency liaison leading to shared outcomes.	<div>> South Para NRM Group</div> <div>> Sixth Creek Catchment NRM Group</div> <div>> Northern Yorke NRM Board</div> <div>> AMLR NRM Board</div> <div>> Adelaide University <i>Cassitha pubescens</i> research project</div> <div>> Asparagus Weeds Working Group</div> <div>> MLR Bandicoot Recovery Program</div> <div>> Southern Lofty Threatened Orchid Recovery Program</div> <div>> Fleurieu Swamps & MLR Southern Emu-wren Recovery Program</div> <div>> Mount Bold/Scott Creek Hot Spots Project</div> <div>> Cromer Biodiversity Precinct Project</div> <div>> Greening Australia</div> <div>> Mission Australia</div> <div>> Department of Correctional Services</div> <div>> Families SA</div> <div>> K&H services</div> <div>> 3 x High schools</div> <div>> 4 x Primary schools</div> <div>> Southern Cross University</div> <div>> 2 x TAFE Institutions</div> <div>> Bicycle SA</div> <div>> Horse SA</div> <div>Total Number of Groups = 28</div>	
4. Capital Projects		
A capital funding mechanism for major works is still unresolved at this time.		

4.2 Forest Industry Development

Establishment and Mid Rotation Silviculture

- > E. globulus nutrient monitoring program (EM136)
Trial completed and data forwarded to PIRSA.
- > LT270 Multi species second year herbicide screening trial established. Trial to be completed in 2011.
- > EP203 *Eucalyptus globulus* fertiliser trial. Final trial report released.
There was no evidence of any consistent response to the application of fertiliser at establishment (Year 0). This indicates that nutrition was not the most limiting factor to survival and growth at this time. There was evidence of a growth response following fertiliser application in Year 1 at sites B and C and evidence of a growth response following fertiliser application in Year 2 at site A. There was no distinct pattern to the impact of the timing, rate, type or frequency of fertiliser application across sites.
- > Cooperative Herbicide Products Screening Trial 2008/09
This is a Forest Industry Cooperative which investigates the efficacy and safety of new herbicide products applied pre and post planting, in combination with other products, to *Pinus radiata* plantations. Trial sites are located nationally including on ForestrySA land, and 2 trials are located on ForestrySA land for the 2009 program (LT274 and LT275). Completed reports have been forwarded to PIRSA. This is an ongoing project.
- > Biological control of Broom
Provided support for the release of the Cape Broom psyllid
- > LT256 Initiator Tree Tablet screening trial with *Pinus radiata* in the Green Triangle Region trial completed. Results found that due to the cost of purchase and the lack of any economic growth response the use of the Initiator Tree Tablet for plantation establishment with radiata pine is not recommended.
- > Maintained access for PIRSA Forestry to Weedchem database and Plantation Forestry Manual throughout 2008/09.
- > Established LT276 new herbicide screening trial MAT-28 (*E. globulus*)
- > Clopyralid added to Schedule 1 of the MLRWPA Environmental Performance Agreement. Approval given by the EPA to conduct trialling of Haloxypop for potential inclusion in Schedule 1 of the agreement.

Environmental Impacts

- > Long term water monitoring program for Green Triangle and Mount Lofty Ranges (EM182/EM189)
2008 monitoring program completed and annual report forwarded to PIRSA Forestry.
- > Gumeracha Climate Change Trial (EM112).
- > Completed measurement of diameters and heights as well as scheduled maintenance.
- > LT246A Screening herbicides after fire for control of Sollya (*Billardiera heterophylla*) in Native Vegetation of the Green Triangle Region, South Australia. Trial report released to FSA and PIRSA Forestry

- > Biological Gorse and Broom Control. CSO funding contribution made to *Cassiope pubescens* project.
- > EM199 Haloxypop environmental monitoring trial established, trial to be completed January 2010
- > CSO soil surveys of Mount Burr Native Forest Reserves. 2300 ha allocated to the project completed.

Tree Improvement and Genetics

- > Demonstrate and monitor performance of 4 species - *E. saligna*, *E. occidentalis*, *E. cladocalyx* and *C. maculata* (EM183).
Maintenance of demonstration area and measurements complete for 2009, project ongoing.
- > Seed Production Areas
Ongoing maintenance of seed production areas completed for 2007/08 and seed collected as required.
- > Determine which provenances of *E. cladocalyx* produce the best growth and form (Bundaleer RT164B, and Kangaroo Island RT164K).
Annual measurements taken
- > Evaluate the Performance of five species on Kangaroo Island - *E. occidentalis*, *E. cladocalyx*, *E. nitens*, *E. punctata* and *C. maculata* (EM184).
Annual measurements taken.
- > *E. leucoxylon* Seed Orchard – to be established 2010. Seed collected from selected "Parent Trees". Kangaroo Island (9), Mt Lofty ranges (37), Mid North (21) and South East (9)

Alternate Species, Products and Services

- > Gumeracha Farm Forestry Demonstration Area
Ongoing maintenance and measurements completed
- > Bundaleer Farm Forestry Demonstration Area
Ongoing maintenance as per management plan completed.
- > Cudlee Creek Afforestation Program
Ongoing maintenance completed
- > EM 184 *Eucalyptus*. Species Performance Trials. Kangaroo Is.
2009 BA / Height measurements and data validation completed.
- > RT148 *P. Pinaster* / *P. Radiata* – Tintinara/ Bordertown. 2009 measurements completed.
- > Kersbrook Walking Trail "Species Trial". Trial report summary completed.
- > South Australian Farm Tree Improvement Project edits progressed.
- > EM183 *Eucalyptus* species comparison trial (Bundaleer). 2009 BA/Height measurements and data validation completed.

Product Development

- > Gumeracha climate change trials (EM112)
Ongoing maintenance of trial site completed

Community Low Rainfall Forestry Research

(No projects undertaken in this area of research in 08/09)

Communicating Research

- > FWPA post Dr B Tomkins herbicide consortium detailed project proposal.
Proposal written and submitted to FWPA. Liaison with chemical manufacturers, FWPA, A3P and plantation owners undertaken.
- > ForestrySA has participated and influenced water allocation for the whole forestry industry (E. globulus and P. radiata) in the Green Triangle.
- > APVMA tour of ForestrySA Research trials to study practices and standards. The primary aim of the tour was to set guidelines and scientific standards for herbicide efficacy and crop safety research and reporting to allow for the registration of herbicides and insecticides for forestry use. Key participants included ForestrySA (tour facilitator), Auspine, HVP, GTFP, Timbercorp, PIRSA Forestry, A3P, Green Triangle Plantations Committee, Nufarm and Syngenta.
- > W Richardson, in conjunction with Dr Barry Tomkins to draft the new Australian standard for chemical efficacy testing in forestry by the APVMA.
- > Details of P. radiata gene conservation plantings in both the GT and MLR forwarded to Ken Eldridge (CSIRO) to assist in updating of the national data base.
- > Responded to approximately 40 requests for information from members of the public, forestry organisations and other government agencies. Requests covered the full range of ForestrySA research including pest and disease information, herbicide application and information on alternate species.

4.3 Community Fire Protection

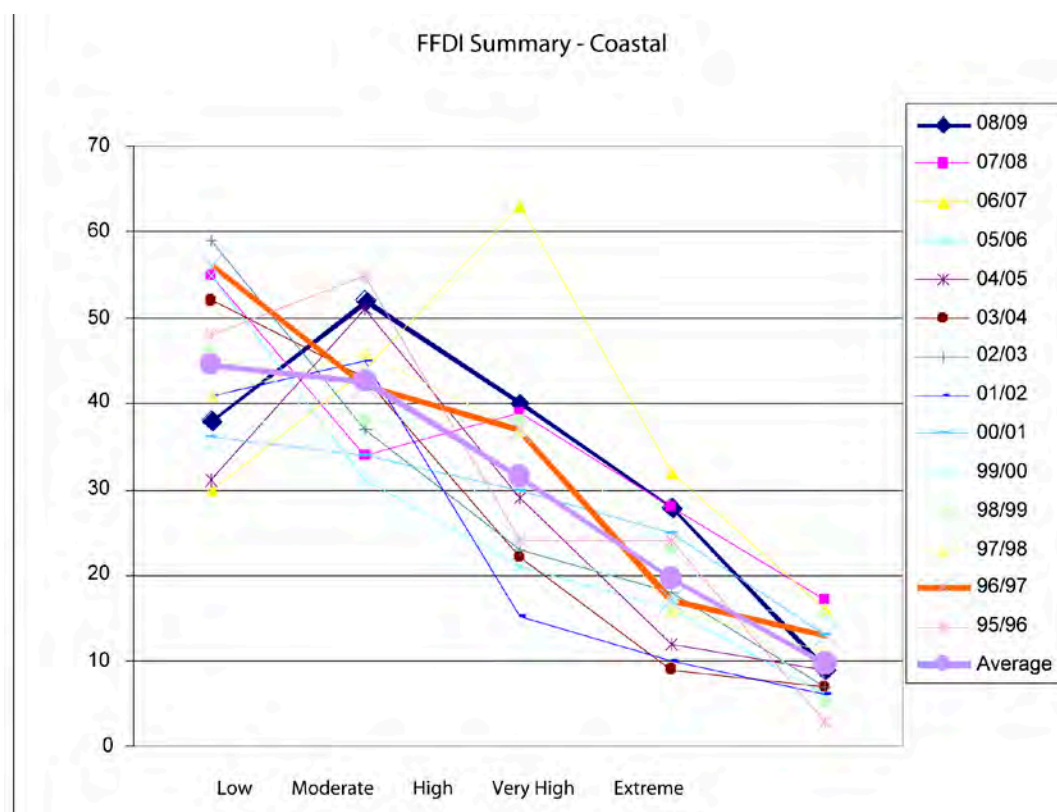
The 2008/09 fire season commenced on 10 November with abnormally dry levels of soil dryness in all forest areas.

The ForestrySA fire season extended for 167 days, in comparison to 173 days 07/08 and 185 days 06/07. Although the fire season was a little shorter than the last several years and with fewer extreme days, the fire danger overall was higher than most years.

The ForestrySA fire season concluded April 24, 2009 when considerable rainfall across the State lowered fire danger in forest and surrounding areas.

The seasonal predictions were for above average temperatures and below average rainfall. Some relief was experienced in December with heavy rains in both the Green Triangle and Mid North. Milder weather associated with continuing spring weather patterns delivered a cooler than normal start to summer.

Using the FFDI as forecasted for Inland forest areas (a good indicator of fire danger for forest areas across the State) the number of days forecast at each fire danger level during the fire season were; LOW 37, MODERATE 51, HIGH 46, VERY HIGH 23 and EXTREME 10. Comparisons with previous years are shown below.



A total of 43 fires were attended for the season, with more than half of those were again off ForestrySA lands. A total of three external fires burnt onto ForestrySA land. All fires starting on ForestrySA land were contained within boundaries.

ForestrySA's efforts continue to be well above that provided by other forest growers, including significant contributions to the regions aerial detection efforts.

Causes and areas burned are summarised below:

Cause	Fire Originating on FSA Land			Fire Originating off FSA Land		
	No.	FSA Area (ha)	External Area (ha)	No.	FSA Area (ha)	External Area (ha)
Arson	6	1.6	0	1	0.9	7.2
Campfire	7	0.6	0	1	0	3.0
Lightning	4	1.8	0	3	0	301.2
Re-kindle Burn	0	0	0	3	0.1	100.1
Spontaneous Combustion	0	0	0	1		0.5
Vehicle Exhaust / Equipment	1	0.01	0	5	0.4	4.2
Unknown	2	0.2	0	9	0	8.6
Total	20	4.21	0	23	1.4	424.8

Annual fire prevention operations for Forest Reserves, including plantations, Native Forest Reserves and roadside slashing of Council and DTEI roads in 2008/09 included:

- > Scheduled fire break and track maintenance including grading and herbicide work completed
- > Pre fire-season slashing program completed for summer 2009
- > Council and DTEI roadsides that are adjacent to ForestrySA land slashing program completed for summer 2009.

The prescribed burning program is subject to burn prescriptions being achievable. Prescribed burns conducted in 2008/09 include:

- > In the GT Region, 96ha in spring at Nangwarry, Windy Hill and Dry Creek Native Forest Reserves, and in autumn another 40ha in the Nangwarry and Bagdad NFR's.
- > In the MLR District 19ha was achieved in autumn in the Christmas Hill NFR

While ForestrySA has managed to increase its burning program, many planned burns were not achieved due to unsuitable weather and soil dryness conditions.

ForestrySA is planning a considerable expansion of its prescribed burning program to include both environmental and asset protection burns to be conducted in accordance with its NVC delegated authority. Planning is currently underway for around 1000ha to be burned in the GT in spring 2009 and autumn 2010, alternative methods of ignition are being considered, such as helitorch and ground based incendiary systems to speed up the program and maximise the use of favourable weather.

Prescribed burn plans prepared for 2008/09 in MLR, now targeted for implementation in Spring 2009 include areas at Watts Gully NFR, Kersbrook NFR and Mount Gawler NFR.

The Kersbrook prescribed burn was requested by DEH as a disturbance trial for the nationally endangered orchid species *Caladenia behrii* and *Caladenia rigida*. There was no window of opportunity to undertake the burn in early May before orchid leaves emerged while soil and fuel conditions were too dry.

In the GT, plans prepared for prescribed burns include areas at Honans NFR, Honeysuckle NFR, Kangaroo Flat NFR, Hackett Hill NFR, Nangwarry NFR, Windy Hill NFR, Overland track NFR and Burr Slopes South NFR.

Fire Towers

- > ForestrySA fire towers in the Green Triangle region were crewed by trained contractors throughout the fire season.
- > The Green Triangle towers were crewed on 130 days in a fire season which extended for 167 days (07/08 173 days, 06/07 185 days).
- > The Mount Crawford fire tower was crewed on days of forecast extreme weather, and on days following lightning events.

Aerial Observation

- > ForestrySA again managed the Forest Owners Conference spotter aircraft in the Green Triangle Region and provided the aerial observers. The aircraft

hire is undertaken on a cost sharing basis flying a planned circuit on days FFDI 35+ and provided information to forest owners and fire agencies both in South Australia and Victoria. Outstanding contributions to this cost by Timbercorp and Great Southern Plantations are now likely to be written-off as bad debts.

- > ForestrySA developed an improved radio system for the aircraft that enabled communication with all other agencies as well as other fire aircraft both sides of the border.
- > Considerable work was undertaken to develop computer system for the aircraft to enable real time mapping and event notification. This system underwent testing throughout the fire season and should be fully operational for the 2009/2010 season.

Fire Crew Fitness

- > All ForestrySA fire crews continue to meet the international standard used by other fire agencies throughout Australia and developed by the US Department of Agriculture.
- > Fire crew testing takes place prior to the fire season and no member of staff may attend a fire in a first attack role without having completed the test.
- > The process involves both a medical with the employees' own doctor followed by a physical test administered at forest district level.

Fire Equipment

- > All fire equipment undergoes winter maintenance on an annual program developed by the ForestrySA Fleet Manager. This program ensures that all fire equipment is ready and available as required.

- > ForestrySA completed purchase of 10 new slip-on 10,000 litre water tankers to support its Fireking firetruck fleet.

Crew Training

- > All ForestrySA fire crews are trained to CFS BFF1 and Suppress wildfire standard as a minimum requirement. The crews must also complete on an annual basis ForestrySA developed plantation fire fighting training.
- > ForestrySA utilised its own qualified training staff and staff provided by the CFS to present the external courses.

Weather Stations

- > ForestrySA IT staff developed and installed weather recording equipment at all forest districts across the State and linked them through the ForestrySA owned microwave system and public cabling to the Incident Control Room in Head Office in Mount Gambier.
- > For the first time real time weather data is available for all ForestrySA areas across the State.

Incident Management Team Training

- > ForestrySA provides staff to be available for CFS Regional Level 2 Incident Management Teams in Regions that include Forest areas.
- > ForestrySA provides staff at State level for pre-formed CFS level 3 Incident Management Teams. These teams are rostered and available throughout the summer and ready to travel to any incident as required.
- > Training continued, increasing the number of staff available at this high level of fire management.



5. Financial Statements

Summary Page For CSO Revenue and Expenditure 3rd Qtr (Jan - Mar) 08/09 as of 14/05/09*

	Community Forestry		Forestry Industry Development		Community Fire Protection		YTD Total	YTD Total
	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget
Revenue	2,337,049	2,159,581	420,509	420,737	388,486	390,678	3,146,044	2,970,996
Expenses	2,642,188	2,513,300	321,443	452,446	466,531	389,373	3,430,162	3,355,119
Salaries & Wages	1,222,579	1,042,624	237,266	318,828			1,736,355	1,522,913
Plant & Equipment	99,442	61,759	670	628			129,209	108,767
Materials	128,465	166,869	3,226	2,300			133,124	186,369
Contracts & Services	886,582	782,371	40,521	36,000			1,060,328	945,951
Vehicles	202,912	134,949	22,169	-			242,942	134,949
Staff Related	34,058	44,097	15,372	8,040			49,563	52,497
Information Technology	10,986	11,268	-	-			18,136	11,268
Building & Property	38,263	257,032	-	-			38,263	289,224
Administration & Finance	18,901	12,331	2,218	86,650			22,243	103,181

*Final quarter data available 15/08/09

