

10.1.2 WATER RESOURCE MANAGEMENT FUNCTIONAL AREA

Table 11: Key Focus Area 6: Ensure reliable and equitable supply of water for sustainable economic & social development, including the eradication of poverty

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
6.1 Ensure equitable allocation and authorisation of water use	6.1.1 500 new resource-poor farmers granted financial support via subsidy system	Measurable impact on establishment and development of resource-poor farmers	New resource-poor farmers, granted financial support via subsidy system	New resource-poor farmers, granted financial support via subsidy system	New resource-poor farmers, granted financial support via subsidy system	New resource-poor farmers, granted financial support via subsidy system
	6.1.2 Implementation of water allocation reform (WAR) programme piloted in five catchments	Measurable impact on poverty eradication and rural development	Pilot implementation of water allocation reform programme completed	Systematic implementation of water allocation reform programme	Systematic implementation of water allocation reform programme	Systematic implementation of water allocation reform programme
	6.1.3 Water use licence applications evaluated, and use authorised where approved	Licence applications processed within a reasonable time, in cooperation with other departments where necessary	Water use licence applications evaluated, and use authorised where approved	Water use licence applications evaluated, and use authorised where approved	Water use licence applications evaluated, and use authorised where approved	Water use licence applications evaluated, and use authorised where approved
	6.1.4 Existing lawful use verified in eight catchments	Use certified	Verification of existing lawful use continued	Verification of existing lawful use continued	Verification of existing lawful use continued	Verification of existing lawful use continued
	6.1.5 Authorisations to use water (general authorisations and licences) reviewed every five years	Conditions of use revised where necessary	Authorisations to use water (general authorisations and licences) reviewed every five years	Authorisations to use water (general authorisations and licences) reviewed every five years	Authorisations to use water (general authorisations and licences) reviewed every five years	Authorisations to use water (general authorisations and licences) reviewed every five years

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
	6.1.6 Trading of water use authorisations taking place	Trades complying with policy Trades reported in annual reports of water management responsible authorities	Trading of water use authorisations taking place	Trading of water use authorisations taking place	Trading of water use authorisations taking place	Trading of water use authorisations taking place
6.2 Ensure effective and efficient use of water	6.2.1 Actions taken for non-compliance with conditions of water use authorisations	Visible interventions to promote compliance with conditions of water use authorisations including support, directives, and prosecutions where necessary	Actions taken for non-compliance with conditions of water use authorisations	Actions taken for non-compliance with conditions of water use authorisations	Actions taken for non-compliance with conditions of water use authorisations	Actions taken for non-compliance with conditions of water use authorisations
	6.2.2 Water conservation/ water demand management (WC/WDM) awareness and promotion programmes implemented	WC/WDM institutionalised in regional offices and water management and service institutions	Implementation of water conservation/ water demand management (WC/WDM) awareness and promotion programmes continued	Implementation of water conservation/ water demand management (WC/WDM) awareness and promotion programmes continued	Implementation of water conservation/ water demand management (WC/WDM) awareness and promotion programmes continued	Implementation of water conservation/ water demand management (WC/WDM) awareness and promotion programmes continued
	6.2.3 Existing infrastructure operated and maintained effectively	Water supplied in accordance with agreements with users interruptions in supply minimised	Existing infrastructure operated and maintained effectively	Existing infrastructure operated and maintained effectively	Existing infrastructure operated and maintained effectively	Existing infrastructure operated and maintained effectively

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
	6.2.4 Use of water from existing government water schemes optimised	Water allocations taken up by users, in consultation with other relevant departments GWS upgraded to improve performance where required	Use of water from existing government water schemes optimised	-	-	-
6.3 Investigate water balance and find national (water management area level-, catchment level-or system-level) and international reconciliation solutions	6.3.1 Joint feasibility study on Lesotho Highlands Water Project (LHWP) Phase II completed	Agreement between RSA and Lesotho	Joint bridging study for implementation of LHWP Phase II started	Joint bridging study for implementation of LHWP Phase II completed	Joint riverine baseline monitoring study for implementation of LHWP Phase II started	Joint riverine baseline monitoring study for implementation of LHWP Phase II completed
	6.3.2 Joint feasibility study of a storage dam in Lower Orange River completed	Agreement between RSA and Namibia	Joint bridging study for implementation of a storage dam in Lower Orange River started	Joint bridging study for implementation of a storage dam in Lower Orange River completed	Joint riverine and estuarine baseline monitoring study for implementation of a storage dam in Lower Orange River started	Joint riverine and estuarine baseline monitoring study for implementation of a storage dam in Lower Orange River continued
	6.3.3 Joint management plan for Orange River: investigations for further phases started	Agreement among RSA, Namibia, Lesotho and Botswana	Joint management plan for Orange River: investigations for further phases continued	Joint management plan for Orange River: investigations for further phases continued	Joint management plan for Orange River: investigations for further phases continued	Joint management plan for Orange River: investigations for further phases continued
	6.3.4 Joint studies on international river basins undertaken	Reports at all project stages approved by relevant joint technical committee or commission	Joint studies on international river basins undertaken	Joint studies on international river basins undertaken	Joint studies on international river basins undertaken	Joint studies on international river basins undertaken

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
6.4 Implement solutions for reconciling water supply and demand	6.3.5 National strategies developed to reconcile water availability and use	Appropriate information available to facilitate compulsory licensing Alignment with provincial growth and development and other relevant strategies	Development of national strategies to reconcile water availability and use continued	Development of national strategies to reconcile water availability and use continued	Development of national strategies to reconcile water availability and use continued	Development of national strategies to reconcile water availability and use continued
	6.3.6 Pre-feasibility and feasibility studies on water resources reconciliation solutions undertaken	Recommendations for implementation of schemes alignment with provincial growth and development and other relevant strategies	Pre-feasibility and feasibility studies on water resources reconciliation solutions undertaken	Pre-feasibility and feasibility studies on water resources reconciliation solutions undertaken	Pre-feasibility and feasibility studies on water resources reconciliation solutions undertaken	Pre-feasibility and feasibility studies on water resources reconciliation solutions undertaken
	6.4.1 Prioritised invasive alien plant species (terrestrial and aquatic) treated and cleared	150 000 hectares initial clearance 500-750 000 hectares follow-up 10-12 000 person-years employment created for ±30 000 people Measures to deal with aquatic weeds included in environmental management plans	Prioritised invasive alien plant species (terrestrial and aquatic) treated and cleared	Prioritised invasive alien plant species (terrestrial and aquatic) treated and cleared	Prioritised invasive alien plant species (terrestrial and aquatic) treated and cleared	Prioritised invasive alien plant species (terrestrial and aquatic) treated and cleared

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
	6.4.2 Development and implementation of water conservation and water demand management measures by water management and water services institutions supported by DWAF	Support provided to 20 institutions	Development and implementation of WC & WDM measures by water management and water services institutions supported by DWAF	Development and implementation of WC & WDM measures by water management and water services institutions supported by DWAF	Development and implementation of WC & WDM measures by water management and water services institutions supported by DWAF	Development and implementation of WC & WDM measures by water management and water services institutions supported by DWAF
	6.4.3 Design, construction and commissioning of new infrastructure progressed, including	Approved by Cabinet Social and environmental issues accounted for	Design, construction and commissioning of new infrastructure progressed, including	Design, construction and commissioning of new infrastructure progressed including	Design, construction and commissioning of new infrastructure progressed, including	Design, construction and commissioning of new infrastructure progressed, including
	Berg River Water Project Olifants River Water Resources Development Project (De Hoop Dam) Nandoni water treatment works Inyaka water treatment works Hluhluwe dam (KwaZulu-Natal) Mooi-Mgeni transfer scheme Phase 2 (Spring-Grove dam) Eastern-Vaal Subsystem Pipeline	Implementation as per plan	Berg River Water Project Olifants River Water Resources Development Project (De Hoop Dam) Nandoni water treatment works Inyaka water treatment works Hluhluwe dam (KwaZulu-Natal) Mooi-Mgeni transfer scheme, Phase 2 (Spring-Grove dam)	Berg River Water Project Olifants River Water Resources Development Project (De Hoop Dam) Nandoni water treatment works Inyaka water treatment works Hluhluwe dam (KwaZulu-Natal) Eastern Vaal Sub-System Pipeline Zalu Dam (Eastern Cape)	Berg River Water Project Olifants River Water Resources Development Project (De Hoop Dam) Nandoni water treatment works Inyaka water treatment works Hluhluwe dam (KwaZulu-Natal) Zalu Dam (Eastern Cape)	Berg River Water Project Olifants River Water Resources Development Project (De Hoop Dam) Nwamitwa Dam (Limpopo) Clanwilliam Dam Raining Dam on the Lower Orange River Middle Letaba Augmentation (Limpopo)

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
6.5 Ensure water-related disaster preparedness and safety of dams			Eastern-Vaal Subsystem Pipeline Zalu Dam (Eastern Cape) Hazelmere dam raising	Hazelmere dam raising Nwamitwa Dam (Limpopo) Clan William Dam Raising Dam on the Lower Orange River Middle Letaba Augmentation (Limpopo) Mokolo River Augmentation	Hazelmere dam raising Nwamitwa Dam (Limpopo) Clanwilliam Dam Raising Dam on the Lower Orange River Middle Letaba Augmentation (Limpopo) Mokolo River Augmentation	Van der Kloof pump station (use of low level storage) Western Cape System Augmentation
	6.5.1	Organisational structure, practices and procedures defined; Proactive approach to emergency and disaster management adopted by water managers; Preparation of disaster management plans promoted and managed; International issues and requirements incorporated	Policies, legislation, strategies and guidelines for water-related emergency and disaster management in place and updated as necessary	Policies, legislation, strategies and guidelines for water-related emergency and disaster management in place and updated as necessary	Policies, legislation, strategies and guidelines for water-related emergency and disaster management in place and updated as necessary	Policies, legislation, strategies and guidelines for water-related emergency and disaster management in place and updated as necessary
	6.5.2	Organisational structure functional Coherence in approaches among water and disaster management sectors;	Policies, legislation, strategies and guidelines for water-related emergency and disaster management implemented	Policies, legislation, strategies and guidelines for water-related emergency and disaster management implemented	Policies, legislation, strategies and guidelines for water-related emergency and disaster management implemented	Policies, legislation, strategies and guidelines for water-related emergency and disaster management implemented

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
		Emergencies and disasters effectively managed; Preparation of disaster management plans progressed; Effective participation in international forums	Information system to support water-related emergency and disaster management developed and maintained	Information system to support water-related emergency and disaster management developed and maintained	Information system to support water-related emergency and disaster management developed and maintained	Information system to support water-related emergency and disaster management developed and maintained
	6.5.3 Multi/inter-departmental information system to support water-related emergency and disaster management developed and maintained	Progressive improvement in availability and use of data and information from domestic and international sources to facilitate emergency and disaster management	Information system to support water-related emergency and disaster management developed and maintained	Information system to support water-related emergency and disaster management developed and maintained	Information system to support water-related emergency and disaster management developed and maintained	Information system to support water-related emergency and disaster management developed and maintained
	6.5.4 Dam safety legislation administered and national dam safety programme managed	Dams with a safety risk registered and classified Safety of dams evaluated by approved professional persons in terms of the NWA Construction, enlargement and alterations undertaken in accordance with regulations	Dam safety legislation administered and dam safety programme managed	Dam safety legislation administered and dam safety programme managed	Dam safety legislation administered and dam safety programme managed	Dam safety legislation administered and dam safety programme managed
	6.5.5 Safety of departmental dams assessed, and dams rehabilitated where necessary	Risk of operational and structural failure minimised	Safety of departmental dams assessed, and dams rehabilitated where necessary	Safety of departmental dams assessed, and dams rehabilitated where necessary	Safety of departmental dams assessed, and dams rehabilitated where necessary	Safety of departmental dams assessed, and dams rehabilitated where necessary

Table 12: Key Focus Area 7: Ensure the protection of water resources

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
7.1 Ensure the protection of inland and estuarine water-based ecosystems and groundwater in the context of impact on land-based ecosystems	7.1.1 Classification of water resources: pilot testing of classification system	Major rivers classified in catchments to facilitate water allocation reform	Classification of water resources continued in priority catchments	Classification of water resources continued in priority catchments	Classification of water resources continued in priority catchments	Classification of water resources continued in priority catchments
	7.1.2 Comprehensive Reserve determinations commenced in four priority catchments, and three more identified and initiated	Appropriate information available to facilitate compulsory licensing	Four comprehensive Reserve determinations completed in priority catchments, and further priorities identified	Three comprehensive Reserve determinations completed in priority catchments, and further priorities identified	Comprehensive Reserve determinations in priority catchments	Comprehensive Reserve determinations in priority catchments
	7.1.3 <i>Ad hoc</i> surface water Reserves determined (by Desktop, Rapid and Intermediate methods)	Reserve determinations undertaken to facilitate individual licence applications	<i>Ad hoc</i> surface water Reserves determined (by Desktop, Rapid and Intermediate methods)	<i>Ad hoc</i> surface water Reserves determined completed (by Desktop, Rapid and Intermediate methods)	<i>Ad hoc</i> surface water Reserves determined completed (by Desktop, Rapid and Intermediate methods)	<i>Ad hoc</i> surface water Reserves determined completed (by Desktop, Rapid and Intermediate methods)
	7.1.4 <i>Ad hoc</i> groundwater resource Reserves determined	Reserve determinations undertaken to facilitate individual licence applications	<i>Ad hoc</i> groundwater resource Reserves determined	<i>Ad hoc</i> groundwater resource Reserves determined	<i>Ad hoc</i> groundwater resource Reserves determined	<i>Ad hoc</i> groundwater resource Reserves determined
	7.1.5 Quantification of the dependency of terrestrial ecosystems on groundwater	Dependencies accounted for in licensing decisions	Quantification of the dependency of terrestrial ecosystems on groundwater continued	Quantification of the dependency of terrestrial ecosystems on groundwater continued	Quantification of the dependency of terrestrial ecosystems on groundwater continued	Quantification of the dependency of terrestrial ecosystems on groundwater continued
	7.1.6 Determine the effectiveness of fish ladders as a mitigation measure for obstructions to the migration of aquatic species	Best practices model established	Determine the effectiveness of fish ladders as a mitigation measure for obstructions to the migration of aquatic species	Installation of fish passage facilities at identified sites	Installation of fish passage facilities at identified sites	Installation of fish passage facilities at identified sites

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
7.2 Ensure the minimisation of impacts of waste discharge and disposal and other land-based activities on water resources	7.2.1 Further development and systematic implementation of Resource Protection and Waste (RP & W) Policy	RP & W policy finalised, published and implemented	Impacts of waste discharge and disposal activities addressed through systematic implementation of RP & W Policy	Impacts of waste discharge and disposal activities addressed through systematic implementation of RP & W Policy	Impacts of waste discharge and disposal activities addressed through systematic implementation of RP & W Policy	Impacts of waste discharge and disposal activities addressed through systematic implementation of RP & W Policy
	7.2.2 Impacts of waste discharge and disposal activities assessed and interventions prioritised	Sectoral strategies and operational guidelines – to facilitate assessment of impacts of waste discharge and disposal activities and prioritisation of interventions – updated, finalised, published and implemented	Impacts of waste discharge and disposal activities assessed and interventions prioritised	Impacts of waste discharge and disposal activities assessed and interventions prioritised	Impacts of waste discharge and disposal activities assessed and interventions prioritised	Impacts of waste discharge and disposal activities assessed and interventions prioritised
	7.2.3 Further development of Remediation policy and Strategy	Integrated approach to addressing the impacts of historical or accidental waste discharge and disposal activities on water resources Methodologies and sectoral guidelines finalised and published	National assessment of the status of historically-polluted waters and contaminated land	Priorities for systematic remediation interventions established	Systematic implementation of Remediation Strategy	Systematic implementation of Remediation Strategy
	7.2.4 Physical rehabilitation at abandoned mines and DWAF waterworks undertaken as required	Waterworks designed and constructed at prioritised abandoned mines and DWAF waterworks	Physical rehabilitation at abandoned mines and DWAF waterworks undertaken as required	Physical rehabilitation at abandoned mines and DWAF waterworks undertaken as required	Physical rehabilitation at abandoned mines and DWAF waterworks undertaken through systematic implementation of the Remediation Strategy	Physical rehabilitation at abandoned mines and DWAF waterworks undertaken through systematic implementation of the Remediation Strategy

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
	7.2.5 Emergency pollution incidents remedied	Timely action taken to minimise effects on water resources	Emergency pollution incidents remedied	Emergency pollution incidents remedied	Emergency pollution incidents remedied	Emergency pollution incidents remedied
	7.2.6 Further development of financial instruments for waste discharge and disposal	Waste Discharge Charge System finalised Development of Strategy for Financial Security by Industry (NWA s30) initiated	Waste Discharge Charge System implemented and Strategy for Financial Security by Industry finalised	Implementation of financial instruments for waste discharge and disposal continued	Implementation of financial instruments for waste discharge and disposal continued	Implementation of financial instruments for waste discharge and disposal continued
	7.2.7 Environmental best practise guidelines and specifications to mitigate the effects of land-based activities, including infrastructure development, on water resources implemented	Impacts of land-based activities mitigated	Environmental best practise guidelines and specifications to mitigate the effects of land-based activities, including infrastructure development, on water resources implemented	Environmental best practise guidelines and specifications to mitigate the effects of land-based activities, including infrastructure development, on water resources implemented	Environmental best practise guidelines and specifications to mitigate the effects of land-based activities, including infrastructure development, on water resources implemented	Environmental best practise guidelines and specifications to mitigate the effects of land-based activities, including infrastructure development, on water resources implemented

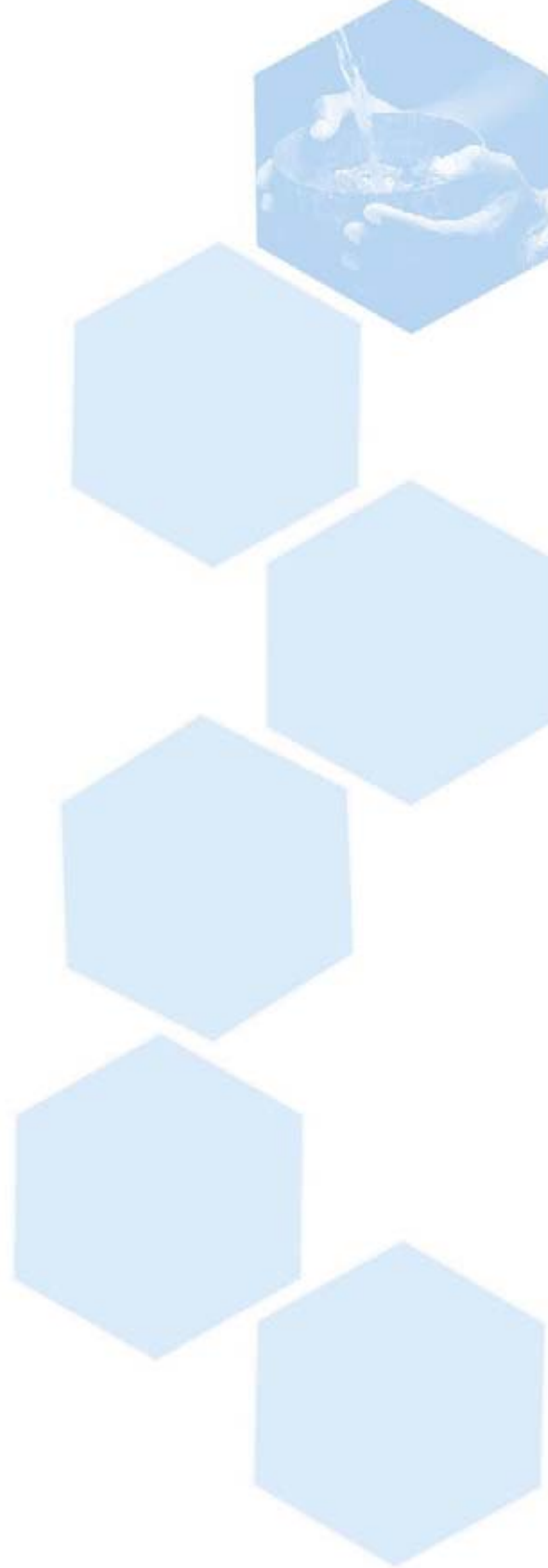


Table 13: Key Focus Area 8: Develop, implement and support effective water management institutions

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
8.1 Develop and support institutional arrangements for national water resources infrastructure	8.1.1	Asset inventory updated; Billing system and revenue management system functional; Business processes to improve infrastructure management efficiency implemented	Infrastructure Branch fully functional	Infrastructure Branch transformed to become NWRIA	-	-
	8.1.2	NWRIA Act promulgated; Comprehensive organisational and implementation plans prepared; Effective institutional oversight unit established in DWAF	Preparations to establish NWRIA finalised	Functionality of NWRIA progressed	NWRIA fully functional	NWRIA fully functional
8.2 Develop and support institutions management at water area level	8.2.1	Establishment proposals developed through public consultation; Establishment approved by Minister Governing Boards appointed	Three CMAs established: Olifants Upper Vaal Berg	Four CMAs established: Middle Vaal Luvuvhu/Letaba Limpopo Fish-Tsitsikamma	Four CMAs established: Upper Orange Lower Orange Lower Vaal Mzimvubu-Keiskamma (CMA establishment complete)	

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
	8.2.2 Financial, technical and capacity-building support provided to CMAs	Financially and technically viable institutions; Extent of functional responsibilities delegated to CMAs	Financial, technical and capacity-building support provided to CMAs	Financial, technical and capacity-building support provided to CMAs	Financial, technical and capacity-building support provided to CMAs	Financial, technical and capacity-building support provided to CMAs
	8.2.3 Performance of CMAs monitored	Business Plans and Annual Reports (including Financial Statements) reviewed and approved	Performance of CMAs monitored	Performance of CMAs monitored	Performance of CMAs monitored	Performance of CMAs monitored
8.3 Develop and support institutions at local level	8.3.1 New water user associations (WUAs) established, especially for resource-poor farmers, according to needs	Establishment proposal developed through public consultation; Establishment approved by Minister	New water user associations (WUAs) established, especially for resource-poor farmers, according to needs	New water user associations (WUAs) established, especially for resource-poor farmers, according to needs	New water user associations (WUAs) established, especially for resource-poor farmers, according to needs	New water user associations (WUAs) established, especially for resource-poor farmers, according to needs
	8.3.2 Existing irrigation boards transformed to WUAs	Transformation proposal developed through stakeholder consultation; Establishment approved by Minister	Existing irrigation boards transformed to WUAs	Existing irrigation boards transformed to WUAs	Existing irrigation boards transformed to WUAs	Existing irrigation boards transformed to WUAs
	8.3.3 Responsibility for operation and maintenance of schemes delegated to WUAs	Contracts in place; Staff transferred	Responsibility for operation and maintenance of schemes delegated to WUAs	Responsibility for operation and maintenance of schemes delegated to WUAs		

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
8.4 Ensure sufficient revenue is generated to support water management institutions	8.3.4 Financial, technical and capacity-building support provided to WUAs	Financially and technically viable institutions	Financial, technical and capacity-building support provided to WUAs	Financial, technical and capacity-building support provided to WUAs	Financial, technical and capacity-building support provided to WUAs	Financial, technical and capacity-building support provided to WUAs
	8.3.5 Performance of WUAs monitored	Business Plans and Annual Reports (including Financial Statements) reviewed and approved	Performance of WUAs monitored	Performance of WUAs monitored	Performance of WUAs monitored	Performance of WUAs monitored
8.4 Ensure sufficient revenue is generated to support water management institutions	8.4.1 85% of potential revenue from water use charges collected	Percentage of potential revenue collected	90% of potential revenue from water use charges collected; Charges for waste discharge introduced	98% of potential revenue from water use charges collected	98% of potential revenue from water use charges collected	98% of potential revenue from water use charges collected
	8.4.2 Determine tariffs for water use	Stakeholders consulted and tariffs published	Determine tariffs for water use	Determine tariffs for water use	Determine tariffs for water use	Determine tariffs for water use

Table 14: Key Focus Area 9: Align staff, stakeholders and general public to a common vision for integrated water resource management and develop, capacitate and empower then to best practices thereof.

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
9.1 Provide strategic direction	9.1.1 Compilation of information for National Water Resource Strategy, Second Edition	Details of latest developments in managing water resources accounted for	Compilation of information for National Water Resource Strategy, Second Edition continued	Proposed National Water Resource Strategy, Second Edition, published for comment	National Water Resource Strategy, Second Edition, established	-
	9.1.2 State of Water Resources Report	Published in Annual Report	State of Water Resources Report	State of Water Resources Report	State of Water Resources Report	State of Water Resources Report
	9.1.3 First Progress Report on Consolidated Environmental Implementation and Management Plan (CEIMP) Second Edition compiled	Report approved by Committee for Environmental Coordination	Second Progress Report on (CEIMP) Second Edition compiled	Third Progress Report on (CEIMP) Second Edition compiled	Fourth Progress Report on (CEIMP) Second Edition compiled	First Progress Report on (CEIMP) Third Edition compiled
	9.1.4 Awareness of strategic issues affecting water resources maintained, and generation of new knowledge and approaches	New developments accounted for in management approaches; DWAF's research needs identified and met	Awareness of strategic issues affecting water resources maintained, and generation of new knowledge and approaches	Awareness of strategic issues affecting water resources maintained, and generation of new knowledge and approaches	Awareness of strategic issues affecting water resources maintained, and generation of new knowledge and approaches	Awareness of strategic issues affecting water resources maintained, and generation of new knowledge and approaches
	9.1.5 Policies and strategies for managing water resources internally consistent, and consistent	Consistent approaches among all departmental units	Policies and strategies for managing water resources internally consistent, and consistent with the	Policies and strategies for managing water resources internally consistent, and consistent with the	Policies and strategies for managing water resources internally consistent, and consistent with	Policies and strategies for managing water resources internally consistent, and consistent with

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
	with the requirements of other relevant laws and policies	Harmonious relationships with partners in government Integrated Environmental Management Framework implemented, and further developed and refined	requirements of other relevant laws and policies	requirements of other relevant laws and policies	the requirements of other relevant laws and policies	consistent with the requirements of other relevant laws and policies
	9.1.6 Framework for addressing historical, social and economic impacts of existing dams systematically, implemented	Social and economic impacts appropriately addressed	Framework for addressing historical, social and economic impacts of existing dams systematically, implemented	Framework for addressing historical, social and economic impacts of existing dams systematically, implemented	Framework for addressing historical, social and economic impacts of existing dams systematically, implemented	Framework for addressing historical, social and economic impacts of existing dams systematically, implemented
	9.1.7 Activities to implement the National Water Act, coordinated	Progress monitored and regularly reported	Activities to implement the National Water Act, coordinated	Activities to implement the National Water Act, coordinated	Activities to implement the National Water Act, coordinated	Activities to implement the National Water Act, coordinated
9.2 Co-ordinate the development and ensure the implementation of strategies for catchment management	9.2.1 Catchment management strategies (CMS) submitted by catchment management agencies reviewed and evaluated	Submitted CMS's:- Prepared in accordance with approved guidelines; in accordance with the NWA; not in conflict with the NWRS; approved by Minister	Catchment management strategies (CMS) submitted by catchment management agencies, reviewed and evaluated	Catchment management strategies (CMS) submitted by catchment management agencies, reviewed and evaluated	Catchment management strategies (CMS) submitted by catchment management agencies, reviewed and evaluated	Catchment management strategies (CMS) submitted by catchment management agencies, reviewed and evaluated

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
9.3 Establish, implement and maintain the national monitoring and information management system	9.2.2 Where no CMA exists, DWAF Internal Strategic Perspectives (ISP) reviewed and updated where necessary	ISP reflects latest information and management approaches	Where no CMA exists, DWAF Internal Strategic Perspectives reviewed and updated where necessary	Where no CMA exists, DWAF Internal Strategic Perspectives reviewed and updated where necessary	Where no CMA exists, DWAF Internal Strategic Perspectives reviewed and updated where necessary	Where no CMA exists, DWAF Internal Strategic Perspectives reviewed and updated where necessary
	9.2.3 Development and application of tools to analyse water resources reviewed and evaluated	Consistent approach to analysing and modelling water resources at catchment scale	Development and application of tools to analyse and model water resources reviewed and evaluated	Development and application of tools to analyse and model water resources reviewed and evaluated	Development and application of tools to analyse and model water resources reviewed and evaluated	Development and application of tools to analyse and model water resources reviewed and evaluated
	9.3.1 Existing monitoring system for water resources operated, maintained and expanded where necessary	Relevant and sufficient data collected at prescribed intervals Rationalisation and integration of component monitoring systems Co-ordination of data collection with other water-sector role players	Existing monitoring system for water resources operated, maintained and expanded where necessary	Existing monitoring system for water resources operated, maintained and expanded where necessary	Existing monitoring system for water resources operated, maintained and expanded where necessary	Existing monitoring system for water resources operated, maintained and expanded where necessary
9.3.2 New and special monitoring programmes for water resources developed and implemented	Integration of new programmes with existing monitoring system	New and special monitoring programmes for water resources developed and implemented	New and special monitoring programmes for water resources developed and implemented	New and special monitoring programmes for water resources developed and implemented	New and special monitoring programmes for water resources developed and implemented	New and special monitoring programmes for water resources developed and implemented

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
9.4 Ensure representative and capacitated staff for IWRM	9.3.3 Existing information systems for water resources operated and maintained, and further developed where necessary	Availability of relevant and sufficient information Adherence to relevant legislative requirements for information sharing Conformity with National Water Resource Information Standards Rationalisation and linking of component information systems	Existing information systems for water resources operated and maintained, and further developed where necessary	Existing information systems for water resources operated and maintained, and further developed where necessary	Existing information systems for water resources operated and maintained, and further developed where necessary	Existing information systems for water resources operated and maintained, and further developed where necessary
	9.3.4 Information systems converted to facilitate decentralised use by water management institutions	Responsibility for aspects of information management progressively decentralised to CMAs and WUAs	Information systems converted to facilitate decentralised use by water management institutions	Information systems converted to facilitate decentralised use by water management institutions	Information systems converted to facilitate decentralised use by water management institutions	Information systems converted to facilitate decentralised use by water management institutions
	9.4.1 Programmes of training, skills development and mentoring developed and implemented	Progressive improvements in staff capacity to undertake water resources management; Skills Development Plans implemented; Requirements of broad-based black economic empowerment met	Programmes of training, skills development and mentoring developed and implemented	Programmes of training, skills development and mentoring developed and implemented	Programmes of training, skills development and mentoring developed and implemented	Programmes of training, skills development and mentoring developed and implemented

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
9.5 Ensure capacitated and empowered stakeholders	9.4.2	Progressive improvements in staff capacity to undertake water resources management Requirements for employment equity met	Implementation of targeted recruitment campaign, within South Africa and elsewhere, for scarce occupational classes continued	-	-	-
	9.4.3	Improved sensitivity to and understanding of gender issues among staff	Implementation of gender mainstreaming programme continued	Review of gender mainstreaming implementation	Revision of gender mainstreaming approaches	Implementation
9.5	9.4.4	Effective targeted training via existing networks New networks established as required	Support for specialist training networks via FET-Water continued	Support for specialist training networks via FET-Water continued	Support for specialist training networks via FET-Water continued	Support for specialist training networks via FET-Water continued
	9.5.1	Progressive improvements in capacity of water management institutions, water users, stakeholders and the general public to understand and participate in water resources management	Implementation of programmes of stakeholder engagement, awareness creation and communication continued	Implementation of programmes of stakeholder engagement, awareness creation and communication continued	Implementation of programmes of stakeholder engagement, awareness creation and communication continued	Implementation of programmes of stakeholder engagement, awareness creation and communication continued
	9.5.2	Improved sensitivity to and understanding of gender issues among management institutions, water users, stakeholders and the general public	Implementation of the gender mainstreaming strategy continued	Implementation of the gender mainstreaming strategy continued	Review of gender mainstreaming implementation	Revision of gender mainstreaming approaches

Table 15: Key Focus Area 15: Promote integrated water resources management globally, particularly in Africa in support of NEPAD

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
15.1 Promote IWRM in shared water-courses	15.1.1 Participation in and Support to shared watercourse institutions	Joint projects Basin studies New Agreements	Participation in and Support to shared watercourse institutions	Participation in and Support to shared watercourse institutions	Participation in and Support to shared watercourse institutions	Participation in and Support to shared watercourse institutions
15.2 Improve co-operation with other countries and external bodies	15.2.1 Improved multilateral and bilateral regional co-operation in Africa	Support to and participation in SADC, AMCOW, AU, NEPAD activities, and bilateral co-operation in Africa	Improved multilateral and bilateral regional co-operation in Africa	Improved multilateral and bilateral regional co-operation in Africa	Improved multilateral and bilateral regional co-operation in Africa	Improved multilateral and bilateral regional co-operation in Africa
	15.2.2 Improved co-operation with developing countries outside Africa	International visits, meetings, statements, agreements, and exchange of information	Improved co-operation with developing countries outside Africa	Improved co-operation with developing countries outside Africa	Improved co-operation with developing countries outside Africa	Improved co-operation with developing countries outside Africa
	15.2.3 Improved co-operation with developed countries	International visits, meetings, statements, agreements, and exchange of information	Improved co-operation with developed countries	Improved co-operation with developed countries	Improved co-operation with developed countries	Improved co-operation with developed countries
	15.2.4 Active participation in international and multilateral organisations	Active participation and effective inputs	Active participation in international and multilateral organisations	Active participation in international and multilateral organisations	Active participation in international and multilateral organisations	Active participation in international and multilateral organisations

Strategic Objective	Outputs 2006/'07	Measures	Outputs 2007/'08	Outputs 2008/'09	Outputs 2009/'10	Outputs 2010/'11
15.3 Influence the global agenda for IWRM	15.3.1 Input to the international debate on water resource management	Active participation and effective inputs in forums such as the UN Commission for Sustainable Development, the World Water Forum and the World water Council	Input to the international debate on water resource management	Input to the international debate on water resource management	Input to the international debate on water resource management	Input to the international debate on water resource management
	15.3.2 Facilitate access to Official Development Assistance (ODA)	ODA promoted, facilitated and coordinated	Facilitate access to Official Development Assistance (ODA)	Facilitate access to Official Development Assistance (ODA)	Facilitate access to Official Development Assistance (ODA)	Facilitate access to Official Development Assistance (ODA)

