Mentorship Report (Ms Mohlapa Sekoele)

Crocodile West Marico WMA and Mokolo and Matlabas Catchments

Mentee participation as per mentorship programme	Type of mentoring received	Learning Area	Learning Outcome	Gaps/Challenges	Recommendations to address gaps/challenges
Review literature and prepare scoping report (*inception phase*)	06 December 2011 Lee and I discussed the draft information analysis that was submitted to the PSP.	Literature review, report writing	Baseline information required to inform the classification process was systematically updated. (Scoping report including information analysis). The mentorship did not add value as there was no input by the mentor to the information analysis report that the mentee drafted.	-	-
Identification of significant water resources (Google earth, site visits) Data sourcing, analysis and interpretation: population, economic, hydrological, current allocation schedules, supply-demand balance, infrastructure etc. (*step 1*)	29 November 2011 Went through Google earth with Lee to have a general understanding of the study area.	GIS	Ability to learn the catchment through Google earth. The mentorship enabled the mentee to perform a desktop survey of the Matlabas catchment.	Lack of internet connection outside the office	3G required
	13-17 February 2012 Site visit: general catchment understanding.	Ecology, Hydrology, Socio-economics	Ability to take a visit in order to check the feasibility of potential EWR sites selected from desktop. The mentee was able to select potential EWR sites for Matlabas.	-	-
	14 May 2012 Kyle showed me how to undertake socio-economic data sourcing, analysis and interpretation.	Socio-economic data sourcing	Ability to source data and describe the present-day socio-economic status of the catchment. The mentee was able to describe the socio-economic status of the Matlabas catchment.	The application of GIS for data analysis	Attend short course in GIS

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Identification of the nodes to which RDM data can be extrapolated (*step 1*)	06 December 2011 Lee and I delineated the preliminary IUAs for Crocodile West Marico and Mokolo.	Hydrology, GIS	Ability to delineate IUAs based on socio-economic zones and hydrological boundaries and summarise the present-day ecological status of the catchment. The mentee was able to delineate IUAs for the Matlabas.	-	-
	16 April 2012 Nodes establishment_ PSP & RQS;		Ability to establish potential nodes The mentee was able to establish potential nodes and EWR sites for the Matlabas.	-	-
	03 May 2012 Discussion with Lee on how proposed nodes were established.				
Site visit including invertebrate, fish and hydraulic assessments; Determination of IHI, EIS, REC; Participate in specialist workshops (*step 3*)	28 May-01 June 2012 Field assessments (invertebrate, fish and hydraulic): Rapid EWR determination- Crocodile West.	Ecology, hydrology, hydraulics, Ecoclassification	Understanding hydraulic concepts in relation to EWRs determination; Understanding of how to develop EWR rule curves, summary tables and modified time series for each node; Understanding the ecoclassification process. The mentee drafted a summary of the present day ecological status of the Matlabas catchment.	Specialized fields of which some need accredited practitioners.	Practice SASS5 (macro-invertebrates assessments) and get accreditation
	15 August 2012 Eugeshin explained how they did hydraulics data collection, and demonstrated how data analysis and modeling was done for Crocodile West.				
	22 August 2012 Retha explained the various possibilities of dealing with Matlabas challenges with regard to hydrology and hydraulics.				

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	14 September 2012 Held a workshop to discuss and agree on how the EWRs will be quantified considering the challenges of low water levels and lack of data in the Matlabas. 25 September 2012 The workshop was held in order to finalise the EWRs for the sites in the Crocodile West were additional rapid assessments were done in May 2012. 30-31 January 2013 Hydraulics, Fish, and Macroinvertebrates assessments - Matlabas 19 February 2013 A workshop was held to do a Rapid Reserve on one of the Matlabas EWR sites and also decide on the way forward and any implications for the other sites				
Determine the ESBC configuration and ensure that it satisfies a basic set of ecological and hydrological constraints	23/10/2012 Discussion on the overall procedure for establishing scenarios, type of info that goes into the scenarios report, sources of info	Information sourcing, report writing	Ability to source out information, determine the ESBC configurations and compile alternate scenarios discussion report. The mentee assisted with the compilation of the alternate	Unable to set up and run yield model to test the feasibility of scenarios	Attend modeling workshops run by the DWA

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	19/11/2012 Went through reports searching for information to prepare for the establishment of scenarios		scenarios discussion report.		
	23/11/2012 Discussion with Lee on information analysis of GW resources	Information analysis	Identification of groundwater information gaps. The mentorship did not add any value.	Very limited background in groundwater	Attend a short course on groundwater basics
Running of relevant models and determination of implications of scenarios	17/05/2013 Eugeshin explained and demonstrated how the Habflo model works Retha explained and demonstrated how to set up and run the yield model 25-28 June 2013 Specialist workshop on determining implications of scenarios	Hydrology, hydraulics, Modeling, ecology	Understanding modeling of key components of water resources undertaken to support decision making. The mentee got an understanding of how to set up the yield model and draw a schematic diagram using major points/nodes.	Limited experience in modeling	Upload the yield model and practice running it Attend modeling workshops run by the DWA