



No	Item	Action
1	<p>Welcome</p> <ul style="list-style-type: none"> • P Khwinana welcomed everyone to the fourth and final Forum meeting of 2017 and thanked them for coming to the Forum meeting. • P Khwinana asked everyone to introduce themselves and to sign the attendance register. 	
2	<p>Introduction of Attendees</p> <ul style="list-style-type: none"> • All attendees introduced themselves as the attendance register was circulated. 	
3	<p>Apologies</p> <ul style="list-style-type: none"> • P Khwinana apologised for not having catering for the Forum meeting due to the Department of Water and Sanitation (DWS) supply chain problems. • J van Niekerk said that Karan Beef had provided the meeting attendees with braai packs to braai after the meeting, however as no catering (charcoal etc.) had been provided by DWS, Karan Beef would hand out the braai packs at the end of the meeting for the attendees to take home. • The following apologies were noted: <ul style="list-style-type: none"> - L Kleynhans - L Ode - K Burger - C Van Der Merwe - J Jay - M De Fontaine - S Nyathikazi 	
4	<p>Minutes of the Previous Meeting</p> <ul style="list-style-type: none"> • A Barker requested that the meeting minutes be distributed to Forum members a few weeks, rather than a few days, prior to the meeting in order to give members time to review and comment on the minutes. • P Khwinana added that DWS had requested that stakeholders provide a small summary of their presentations/water quality reports to be incorporated into the meeting minutes. <p>Minutes of the August Forum meeting were accepted with the following corrections:</p> <ul style="list-style-type: none"> • Corrections were made to some of the Forum member's names (L Ode, G Hefer and L Kleynhans), which had been misspelt. • On page 3, the forth bullet, the word veld had been spelt incorrectly. • On page 5, the second last bullet, there was a typo, supposed to be "a lot of" and Havinga had been spelt incorrectly. • For point 12.11 it was noted that comments made on behalf of Karan Beef had been made by J Van Niekerk and not B Olekers. 	<p>DWS to make corrections to August meeting minutes.</p>

5	<p>Matters Arising from the Previous Minutes</p> <ul style="list-style-type: none"> L Mutshekwa said that the previous Water Use Licence Application (WULA) status report had been uploaded onto the reservoir website. 	
6	<p>Additions to the Agenda</p> <ul style="list-style-type: none"> Dates for next Forum meetings The Gauteng Department of Agriculture and Rural Development (GDARD) state of the environment report and water security 	
7	<p>Items for Presentation</p> <ul style="list-style-type: none"> There were no presentations made. 	
8	<p>Water Quality Monitoring and Reporting</p> <p>8.1 Department of Water and Sanitation (DWS)</p> <ul style="list-style-type: none"> L Mutshekwa noted that the DWS water quality monitoring results had also picked up elevated dissolved oxygen levels in the catchment. L Mutshekwa said that there was elevated iron at sampling points 7, 8 and 10 although she noted that E.coli counts had reduced throughout the catchment. <p><u>Questions</u></p> <ul style="list-style-type: none"> A Maurizi asked if L Mutshekwa could email the DWS water quality results to her or alternatively post them on the Reservoir website. J van Wyk noted that it was important to obtain a record of the water quality before and after the Trans Caledon Tunnel Authority (TCTA) discharge point in order to observe if the discharge results in elevated sulphate, electrical conductivity, magnesium etc. L Mutshekwa said that Karen Beef had noted an increase in sulphate concentrations downstream. P Khwinana added that Karen Beef would present their sulphate monitoring results later in the meeting. S Sidu asked if DWS was looking at a positive or negative impact. J van Wyk said that the river system needed to be better understood to support decision making with respect to Acid Mine Drainage (AMD) treatment. S Sidu said that he had proposed the idea of bacteria oxidisation of various elements rather than using chemical treatment. S Sidu said that a team at the University of Johannesburg (UJ) would be studying it further and would be able to present their results in 2018. A Maurizi asked how far along the study was and when it would be completed. S Sidu said that the head researcher, Vuyo, was in New York but would complete the study once he returned to South Africa. A Maurizi asked if the research team had already done their sampling and whether they had done water and sediment sampling. S Sidu said that they had done the sampling and that sampling of both water and sediment had been undertaken. 	<p>TCTA to be invited to attend the next Forum meeting in order to present on up and down stream water quality monitoring.</p> <p>S Sidu to provide an update on the UJ research project at the next Forum meeting</p>
8.2	<p>Ekurhuleni Metropolitan Municipality (EMM)</p> <ul style="list-style-type: none"> A Maurizi said that she would be presenting two reports; one from 2016/10/01 to 2017/09/30 and the other from 2017/06/01 to 2017/09/30. A Maurizi said that elevated sodium had been identified at the Benoni sampling points and she added that they had struggled to reach the 	

	<p>sampling point due to overgrown reeds.</p> <ul style="list-style-type: none"> • A Maurizi said that blockages in town had flowed down towards Brakpan Dam, however they endeavoured to resolve the blockages as fast as possible. • A Maurizi added that blank areas occurred where they had been unable to monitor due to staff restrictions. • A Mauziri urged everyone to report any sewage spillages or pollution incidents observed within Ekurhuleni so that EMM would be able to investigate and resolve them as soon as possible. • A Maurizi said that EMM had 168 monitoring points but that they had decided to look at outflows going into the river so EMM were currently only monitoring the outflows that had potential to impact the river. 	
8.3	<p>Erwat</p> <ul style="list-style-type: none"> • G Hefer said that there had been a huge improvement in the catchment as indicated by the water quality monitoring results, many of which had changed from red to green. Although G Hefer said that they were still struggling with E.Coli. • G Hefer said that DWS had issued ERWAT with a new licence, which they were monitoring against. This highlighted that Anchor WWTW was overloaded organically, as well as hydraulically and ERWAT therefore wanted to upgrade the plant. • G Hefer noted that Tsakane had shut down their plant for a short period during which the downstream water quality had been reduced. 	
8.4	<p>Lesedi Local Municipality</p> <ul style="list-style-type: none"> • No representative was present at the Forum meeting. 	
8.5	<p>Rand Water (RW)</p> <ul style="list-style-type: none"> • The water quality monitoring results indicated that the overall water quality status of the Blesbokspruit Catchment was quite good; however there were still E.coli problems downstream of various Waste Water Treatment Works' (WWTW), except at sampling point B9, which was in the ideal range for the 1st & 3rd quarter and tolerable in the last quarter. Whilst there were still unacceptable levels of E.coli throughout the entire system, the E.coli counts were of an order of magnitude less than what had been seen in previous years. • B13 was still a point of concern with elevated levels of E.coli, phosphate and low dissolved oxygen levels. • The impacts of semi/non-functional wastewater infrastructure were evident in the elevated levels of phosphate within the system. These high levels were typically associated with burst manholes or broken / leaking sewage pipes which often resulted in poor water quality being discharged into the Blesbokspruit. • The Eastern Basin AMD discharge did not appear to have any significant impact on the system, as of yet. Although the plant was in operation, high levels of salts were not identified at any of the sample points below the discharge point. The levels of sulphate below the discharge point ranged between acceptable and tolerable levels. <p><u>Questions</u></p> <ul style="list-style-type: none"> • A Barker said that it was good to see a favourable report however he added that it prompted the question, what were we doing right, and further to this, was the infrastructure being better managed? • G Hefer responded to say that if residents and stakeholders reported 	

	<p>blocked man holes to ERWAT immediately then ERWAT/EMM would be able to address the problems faster.</p> <ul style="list-style-type: none"> • A Barker said that people reporting burst pipes and blocked man holes had obviously resulted in an improvement in catchment water quality. • J van Wyk asked when the Eastern Basin AMD Treatment Plant had started pumping. • P Khwinana said that pumping had commenced in August 2015. PK added that it was likely that the discharge in to the Blesbokspruit provided a dilution factor in the river. • A Maurizi said that EMM would need to analyse if there was only improvement in the river after the discharge point, in order to determine if the discharge is diluting other contaminant concentrations in the river downstream of the discharge point. • P Khwinana noted that dissolved oxygen appeared to be a problem throughout the catchment. • G Hefer said that this was due to stagnant water in the catchment. • A Maurizi further explained that large areas of the catchment were backed up by reeds which often made it difficult to access free flowing areas for sampling, which was why dissolved oxygen readings were elevated. A Maurizi said that reed overgrowth was a big problem in the catchment. • P Khwinana asked if GDARD were still doing reed spraying in the catchment. • T Nkadimeng said that there was an annual spraying programme in place, and the reeds were sprayed once a year around river culverts to try and thin out the reeds in those areas. However, T Nkadimeng noted that it was almost impossible to completely remove the reeds. • A Maurizi added that sediments also often get trapped between the reeds, which also create blockages in the river system. 	
9	<p>Solid Waste Management</p> <ul style="list-style-type: none"> • T Pather was unable to attend the Forum meeting but had provided an update for DWS officials to present to the Forum. Z Gebhardt read out T Pather's update. • Z Gebhardt said that there was 95% compliance across the catchment. There was a new class B landfill planned which would be next to Rietfontein Landfill Site. There were also plans to expand the Weltevreden Landfill Site, which would be submitted in 2018. <p><u>Questions</u></p> <ul style="list-style-type: none"> • A Maurizi asked if there had been a public participation process (Environmental Impact Assessment (EIA) process) for the new landfill site. • P Khwinana said that it appeared as though the new landfill had been approved. • A Maurizi said that through the EIA process the proposed landfill project should have been presented to the Forum. • P Khwinana said that because the proposed landfill was a general landfill site and not a hazardous landfill site GDARD had already approved it. • A Maurizi said that her only concern was that the project should have been presented to the Forum when the application was submitted to 	P Khwinana to ask T Pather to

	<p>GDARD, not at the end of the process once the application was already approved.</p> <ul style="list-style-type: none"> • P Khwinana said that he would follow up with T Pather and ask him to present more information on the proposed project at the next Forum meeting. 	<p>present on the proposed new landfill site at the next meeting.</p>
<p>10</p> <p>10.1.</p>	<p>Government Departments Report Back (5-minutes)</p> <p>GDARD</p> <ul style="list-style-type: none"> • B Mashau reported about the sites that they visited and monitored during May and August 2017 and the results were as follows: <p><u>Suikerbosrand</u></p> <ul style="list-style-type: none"> • B Mashau said that the Average Score Per Recorded Taxon (ASPT) value for Dehoe in May was 3.5, which was very poor but it was 5.4 in August, which indicated an improvement. • The ASTP score for Goedv in May indicated that there was a high flow of 5.8, though it was unknown if the high flow was due to additional discharge from TCTA. In August the flow was very low, at 3.9, which was very poor. • B Mashau also said that the Badfo River had not been monitored during May and August 2017, because they could not get access to the river. <p><u>Blesbokspruit</u></p> <ul style="list-style-type: none"> • B Mashau said that the ASPT in the Blesbokspruit was very similar to that of the Suikerbosrand. • B Mashau said they had observed various impacts along the rivers that were causing a decline in river habitat and water quality. This decline could also be affecting the status of the fauna in the river, as GDARD's results indicated a fluctuation in faunal health. • B Mashau said that they were concerned about the Suikerbosrand River system because of the irregularities noted in the monitoring results of the river. During November and December monitoring GDARD would be able to see if there had been any improvement in the system. If there was no improvement, further investigation would be undertaken. • B Mashau said they also observed high water levels at both Rietspruit and Blesbokspruit, however there had been no rain during that time • B Mashau added that in terms of the wetland conservation and management, GDARD had been very active in reviewing new application in terms of Section 24G. B Mahsau said that GDARD had been issuing compliance notices to licensee's who were not complying with their licence. • With respect to removing Ramsar site status from the Blesbokspruit wetland, B Mashau said that they had hoped to submit the application towards the end of 2017 however, they had underestimated how long it would take to gather the necessary data and compile the application and so the submission date would now only be in 2018. • B Mashau said they sent an email to M de Fontaine at Rand Water to request a trend analysis over a certain period of time. The analysis would then be used to justify the application for removal of Ramsar site 	

	<p>status from the Blesbokspruit wetland.</p> <ul style="list-style-type: none"> • B Mashau said that an effort to remove the Blesbokspruit Ramsar site from the Montreux record was underway and that the relevant documents be complied by the end of April 2018. <p><u>Questions</u></p> <ul style="list-style-type: none"> • P Khwinana asked why there was high flow in May. • T Nkadimeng said that it was possibly due to the increased discharge from TCTA. • B Mashau said there was also a possibility that the Marievale wetland was absorbing water from the system and the releasing it. • P Khwinana asked if those were the only possible sources of high flow in the river. • B Mashau confirmed that and said that the high flow was only noted in the Blesbokspruit. • A Barker asked if GDARD were applying to remove the Blesbokspruit from the Ramsar site list due to poor quality of the system. A Barker added that since the water quality was improving perhaps the Blesbokspruit shouldn't be removed from the Ramsar site list. • B Mashau explained that it was the other way around. The Blesbokspruit had been declared a Ramsar site in order to try and protect it, due to the poor quality status of the system. Now that the river system and water quality were improving they were applying to remove it from the Ramsar site list, as it no longer required the same level of protection. • T Nkadimeng said that was why GDARD had requested the trend analysis from Rand Water, in order to prove that over the last 5 years the system had indeed improved. • B Mashau said that GDARD would submit the application and recommendation to the Department of Environmental Affairs (DEA) who would then submit to the Ramsar Commission for decision. <p>10.2 Dept. Mineral Resources</p> <ul style="list-style-type: none"> • No representative was present at the Forum meeting. • A Barker asked why there was no DMR representative present at the Forum meeting. • J van Why said that he suspected that DMR officials were not allowed to travel to Forum meetings, as they no longer seem to attend any Forum meetings. • A Barker said that they should be in attendance. • P Khwinana agreed that they should be in attendance and said that he would follow up on it. <p>10.3 Dept. Water & Sanitation</p> <p>10.3.1 AMD Update</p> <ul style="list-style-type: none"> • P Khwinana said that there was no representative present from the TCTA but that perhaps J van Wyk could provide an update. • J Van Wyk said that he couldn't provide additional information; however he said that he was aware that TCTA had entered into the procurement phase for the long term treatment project and that TCTA 	<p>GDARD to visit Ekurhuleni for sampling in order to find the same results, then file a report.</p> <p>P Khwinana to invite DMR officials to attend the next meeting.</p>
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<p>10.3.2</p>	<p>had accepted tenders for the project.</p> <ul style="list-style-type: none"> • B Mashau said that there had been a request from the Forum that TCTA present water quality and discharge volume data at the Forum meetings. • A Maurizi agreed and said that the Forum needed to know what volumes were being discharged in order to understand possible downstream impacts and the overall impact on the system. • A Barker concurred and said that the Klip River Forum also needed TCTA to be presenting their water quality and discharge volume data on a regular basis, not just once off. • P Khwinana asked if J van Why knew who the responsible person was who could come and present TCTA data at the Forum meetings. • J van Why said that as far as he knew the responsible person was S Tlale or M Keet. • P Khwinana said that DWS would try to get in touch with them to arrange for them to attend the next Forum meeting and present the relevant data to the Forum. <p>Catchment Management Agency (CMA) Process</p> <ul style="list-style-type: none"> • P Khwinana said that the decision concerning CMAs was still under internal DWS discussion. • P Khwinana added that once a decision had been reached by the Department, a formal report would be drafted and public participation would be undertaken in order for stakeholders to have the opportunity to comment. • M Tshabalala raised a concern regarding the DWS decision making process. M Tshabalala said that Vaal Environmental Justice Alliance (VEJA) were concerned that local communities would not be engaged with and would not have opportunity to comment on the decision before it was finalised, • P Khwinana said that currently no decision had been taken regarding the CMAs and that once a decision was made public consultation would be undertaken with local communities, stakeholders, Forums etc. prior to finalisation. • A Barker asked what the law states regarding CMAs. A Barker added that his understanding was that DWS were legally obligated to create and facilitate 9 CMAs in the country. A Barker asked what the point of 1 CMA would be. A Barker further emphasised that local catchment management was very important and that from his perspective it wouldn't make sense to have 1 CMA if catchments needed to be managed at a local level. • J Van Wyk responded to Andrew's concerns and said that he understood the sentiment but added that the Act did not specify the number of CMAs required. He said that the National Water Research Strategy was where the number of CMAs were addressed. • J Van Wyk said that the Department had been instructed to develop a master plan in 2015 and that the master plan was instituted to address water security issues. • J Van Wyk said that the draft master plan would be completed in March 2018, with public participation and consultation to be undertaken beforehand. • J Van Wyk said that DWS hoped to align the National Water Resource strategy with the master plan, in order for the two to work hand in hand. 	<p>P Khwinana to contact S Tlale and request her to attend the next Forum meeting and present TCTA data.</p>
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<p>10.3.3</p>	<ul style="list-style-type: none"> • J Van Wyk said that Mr Trevor Balzer would be heading up the team who would be responsible for the master plan. <p>Compliance Monitoring & Enforcement (CME)</p> <ul style="list-style-type: none"> • X Bhele said that a compliance audit had been conducted at EMCO on the 14th of September and the compliance report had been sent to EMCO for review and response. X Bhele said that CME were awaiting an action plan from EMCO. • X Bhele said that a follow up compliance audit had been conducted at New Kleinfontein Gold Mine (NKGM) on the 16th of August and that CME were awaiting an action plan from NKGM. 	
<p>10.3.4</p>	<p>Water Services Regulation</p> <ul style="list-style-type: none"> • A Mnyaka said that the Department had conducted a Green Drop risk assessment on the 2nd of October. • A Mnyaka said that the Department had requested all local municipalities to populate a Green Drop spreadsheet with WWTW data. • A Mnyaka said that the Department was no longer using the Blue Drop system and had migrated to the Blue Drop Iris. Further to this, all the information that was on the Blue Drop system had been migrated to the Bluedrop Iris. • A Mnyaka also said that the training for the Blue Drop Iris was conducted on the 13th of August. Additional training would be conducted on the 6th of December and this training session would be prioritised for officials who were not able to attend the first training session. • P Khwinana asked for who the Blue Drop Iris training was for. • A Mnyaka said that the training was for municipal officials. 	
<p>10.3.5</p>	<p>Water Use Licence Status</p> <ul style="list-style-type: none"> • L Mutshekwa said that the Water Use Licence (WUL) Status report had been sent to M de Fontaine for upload to the reservoir website. • L Mutshekwa said that the Karan Beef and ERWAT WULs had been issued. • A Barker asked about the licence status of the Ngwenya Mining Water Use Licence Application (WULA). • L Mutshekwa said that the Ngwenya Mining WULA had been closed due to outstanding information which had not yet been submitted to the Department. • L Mutshekwa further stated that Ngwenya Mining operations had not yet commenced and that the applicant was aware that mining could not commence without the issuance of a WUL. 	<p>L Mutshekwa to follow up with the ERWAT officials after the meeting.</p>
<p>11</p> <p>11.1</p>	<p>Local Authorities Report (5-minutes)</p> <p>Ekurhuleni Metropolitan Municipality (EMM)</p> <ul style="list-style-type: none"> • A Maurizi said that it had been reported to them that the river water was very black in some places. • A Maurizi added that there appeared to be a change in the colour of the river water over the last two years. • A Maurizi added that perhaps the UJ research team would be able to 	

11.2	<p>identify why the change in water colour was occurring.</p> <ul style="list-style-type: none"> • S Sidu confirmed that the study may be able to identify the change in water colour. S Sidu said he also recalled a report of white foam identified in the river. • A Maurizi said they had taken samples and completed a chemical analysis however all the results had come back as normal so they were unsure what was causing the change. • A Maurizi added that the reeds were restricting flow in some places which was creating stagnant water in parts of the river. • A Maurizi added that mine water was being discharged into the river and these combined aspects may be affecting and changing the chemistry of the river. <p>Lesedi Local Municipality</p> <ul style="list-style-type: none"> • No representative was present at the Forum meeting. 	
12 12.1	<p>Organisations Report Back (5-minutes)</p> <p>ACSA</p> <ul style="list-style-type: none"> • M Dlamini said that a concern was raised regarding the stream around the southern side of the airport where an industry appear to be discharging a type of paint liquid into the stream. • P Khwinana asked if ACSA had made contact with EMM to report the issue. • M Dlamini said they were given a contact person at EMM, and that they had reported the incident to EMM • A Maurizi said that she hadn't heard about the incident, however she added that the incident may have been reported when she was on leave. • A Maurizi said that they would need to investigate immediately. • M Dlamini said that he would send her the information that day. • P Khwinana added that it was important for stakeholders to report these pollution incidents on the same day. P Khwinana asked when ACSA reported the incident. • M Dlamini said that ACSA had reported the incident on the 26th of October. • M Dlamini said that they had investigated the pollution incident on the 26th of October and had drafted a report regarding the incident. • During the discussion, it was suggested that a WhatsApp group or another official form of communication be created in order to report pollution incident promptly and keep Forum members updated. • M Tshabalala concurred and said that these pollution incidents affected local downstream communities who needed to be made aware if they were not able to access/use river water due to pollution. • It was concluded that an email address could be created for the Forum in order for members to report such cases. • A Barker mentioned that a central point for reporting incidents had been set up a few years ago together with central telephone numbers and he requested that DWS follow up on that system in order to reopen those official communication channels. 	<p>M Dlamini to send the information about paint discharge to A Maurizi after the meeting.</p> <p>DWS to investigate a central point for communicating pollution incidents (email/WhatsApp)</p>
12.2	<p>Comet Abattoir</p>	

	<ul style="list-style-type: none"> No representative was present at the Forum meeting. 	
12.3	<p>EBM Projects (Zincor)</p> <ul style="list-style-type: none"> No representative was present at the Forum meeting. 	
12.4	<p>Enstra Paper</p> <ul style="list-style-type: none"> F Kutumela said that their Water Use Licence Application was still being processed and that they were still awaiting feedback from DWS. L Mutshekwa said that the application was still in the initial assessment status. F Kutumela said that their training centre was available as a venue for Forum meetings, however there was a cost associated with booking the training centre. P Khwinana asked what the cost was. F Kutumela said she would forward the details to DWS. 	
12.5	<p>Enviroserv</p> <ul style="list-style-type: none"> No representative was present at the Forum meeting. 	
12.6	<p>Ergo</p> <ul style="list-style-type: none"> J Ovens said that no spills had occurred in the current quarter and that they were in the process of conducting an external audit. 	
12.7	<p>Erwat</p> <ul style="list-style-type: none"> G Hefer said that Tsakane WWTW was still being upgraded. G Hefer said that they had gone out to tender for the upgrade of Anchor WWTW. G Hefer said that they were dewatering the bell presses in order to upgrade the sludge system at Anchor WWTW. 	
12.8	<p>Gold Plat</p> <ul style="list-style-type: none"> No representative was present at the Forum meeting 	
12.9	<p>Great Basin Gold / Wits Gold</p> <ul style="list-style-type: none"> No representative was present at the Forum meeting 	
12.10	<p>Ilangabi Investments (Brikor Mine)</p> <ul style="list-style-type: none"> No representative was present at the Forum meeting. 	
12.11	<p>Impala Platinum</p> <ul style="list-style-type: none"> A Kgarea said that there had been two water tankers off the N3 abstracting water from Blesbokspruit daily and that the trucks did not have registration numbers. A Kgarea said that the drivers had said that they were from Kimberly Clarke and that Kimberly Clark had given them permission to pump water from the stream, however, when Impala followed up with them Kimberly Clarke said that they had not given any such permission and that the trucks were not theirs. A Kgarea said that the matter had been reported to EMM. P Khwinana requested that it also be reported to CME. 	<p>A Kgarea to liaise with CME regarding illegal pumping from the river.</p>

12.12	<p>Karan Beef</p> <ul style="list-style-type: none"> • J van Niekerk presented the sulphate concentrations that Karen Beef had been monitoring in the cattle drinking water from 2015 to 2017. • J van Niekerk said that sulphate concentrations had been elevated in 2016, which was problematic for the cattle. J van Niekerk said that they suspect the elevated sulphate was as a result of TCTA discharge into the Blesbokspruit. • J van Niekerk added that the sulphate concentrations for 2017 had also been elevated, however the levels had not yet become critical, as the sulphate concentrations had not yet reached 600mg/L. • J van Niekerk explained that when the sulphate concentrations reached 600mg/L, the sulphate would affect the cattle's feet and hooves. • J van Niekerk added severely elevated sulphate concentrations could lead to weight loss in the cattle which would obviously be detrimental to their business. • However, J van Niekerk said that based on the current readings sulphate levels did not appear to be exceeding 350 mg/L. • J van Niekerk said that upstream of Karen Beef was a confluence of another stream with the Blesbokspruit, which was helping to dilute the river, as the sulphate concentrations appeared to be higher before the confluence. • J van Niekerk concluded that currently the water quality was not problematic, however Karan Beef wanted to present their findings in order to indicate to the Forum that sulphate concentrations were slowly increasing downstream of TCTA. • P Khwinana thanked Karen Beef for their presentation and added that their monitoring was very helpful and important for managing the catchment and the sulphate concentrations in the river. 	
12.13	<p>Kimberly-Clark</p> <ul style="list-style-type: none"> • No representative was present at the Forum meeting. 	
12.14	<p>Largo/Ukufisa Colliery</p> <ul style="list-style-type: none"> • M Pillay provided DWS with her apologies as she was unable to attend the meeting. • M Pillay provided the following update: <ul style="list-style-type: none"> – Ukufisa: Canyon was still in the planning phase. The official commencement date had not yet been confirmed. – Palmietkuilen: The final EIA had been submitted in May 2017 and they were busy compiling the Integrated Waste Use Licence Application (IWULA). 	
12.15	<p>Lonmin</p> <ul style="list-style-type: none"> • No representative was present at the Forum meeting. 	
12.16	<p>Mpact Paper</p> <ul style="list-style-type: none"> • No representative was present at the Forum meeting. 	
12.17	<p>New Kleinfontein Goldmine</p> <ul style="list-style-type: none"> • S Sidu said that NKGM were currently investigating possible water 	

12.18	<p>treatment options for their Modder East operations.</p> <ul style="list-style-type: none"> • S Sidu explained that that was how they had become involved with the UJ research project. S Sidu said he hoped he could present the findings of the study at the next Forum meeting. • P Khwinana asked if the research project was an NKGM initiative. • S Sidu said they were collaborating on the project. <p>Sappi</p> <ul style="list-style-type: none"> • A Mbatha was unable to attend the meeting. However, she provided the following update: • WULA was still in the initial assessment phase. • Sappi was in the process of compiling additional documents required by DWS for the application. 	
13 13.1 13.2	<p>NGO's / Other Report Back</p> <p>Gauteng Wetland Forum</p> <ul style="list-style-type: none"> • B Mashau said that the meeting for the Gauteng Wetland Forum would be held on the 24th of November 2017. • B Mashau added that they were in the process of organising a site visit and that he would send the details of the site visit to L Mutshekwa once they were available. • B Mashau said that those were interested in becoming members of the Gauteng Wetland Forum could send an email to him. His email address was Mpfareleni.Mashau@gauteng.gov.za. <p>Grootvaly Blesbokspruit Trust</p> <ul style="list-style-type: none"> • P Granda said that Jan was still on leave and that he had not given him anything to report on. 	
14	<p>Pollution Incidents Noted / Reported</p> <ul style="list-style-type: none"> • There were no pollution incidents reported. 	
15 15.1 15.2	<p>Discussions of the Additions to the Agenda</p> <p>Dates for Next Forum Meetings Dates for the next Forum meetings are as follows:</p> <ul style="list-style-type: none"> • 8 February 2018 • 10 May 2018 • 8 August 2018 • 8 November 2018 <ul style="list-style-type: none"> • Z Franken explained that the Forum meeting for August was supposed to be held on Thursday the 9th of August 2018 however, since it would be a public holiday on that Thursday, the meeting would be held on Wednesday the 8th of August. <p>State of the Environment Report and Water Security</p> <ul style="list-style-type: none"> • A Barker said that he had raised the State of the Environment Report, released by GDARD, at the Klip River Forum and through that a similar discussion should also be undertaken at the Blesbokspruit Forum. • A Barker said that GDARD had recently released a state of the environment report, which indicated that Gauteng Province was critically dependent on pumped water. 	

- A Barker said that the report findings had identified water security in Gauteng as a major concern, which was even more important because Gauteng was the economic hub of Southern Africa. A Barker added that if Gauteng began to experience severe water quality and security issues, similar to that of the Western Cape, the country as a whole would be impacted due to Gauteng being the economic hub.
- A Barker said that Gauteng Province needed to its water security strategy. Government needed to inform stakeholders of the proposed long term water security strategy.
- A Barker said that Gauteng needed to develop other options besides utilising pumped water in order to ensure that South Africa would remain in a stable condition with regard to water quality and security.
- A Barker said that he had initiated discussions with Joburg Municipality, who had issued a report in this regard.
- A Barker said that had also met with E Matseba, who had told him that there was still a fair amount of information missing from the report in terms of building infrastructure and maintaining water security.
- A Barker said that the report would be made available to the public so that stakeholders would be able to review the proposed long term strategies.
- A Barker suggested that in the next Blesbokspruit Forum meeting, the municipality and GDARD present their long term water security strategy.
- A Barker said that GDARD needed to ensure that businesses were comfortable to invest in Gauteng and South Africa without having to worry about water security.
- A Barker asked what the Department was looking at in terms of their Master plan and strategy to ensure that there was water security in Gauteng.
- J van Wyk said that the Department addresses water security on a water resource systems basis. J van Wyk added that there was a water quality management and reconciliation strategy available, which could be downloaded from the DWS website. The strategy indicated what steps the Department would be taking to manage and conserve water in the future.
- J van Wyk said that the strategy would address how local government, especially the Metropolitan municipalities, could cut back on water losses.
- J van Wyk said that the Department had a plan in place; however the problem with the plan was its maintenance and update. The Department was faced with the responsibility of continuously updating the plan; however this responsibility had not been carried out over the last few years, as it should have.
- J van Wyk said that the water quality management and reconciliation strategy was maintained until 2015, after which the Department had experienced difficulty in obtaining PSP support, which was problematic.
- J van Wyk added that maintaining the strategy was a lot of work and that it needed experts with relevant knowledge to maintain it, the strategy could not be managed internally.
- A Barker thanked J van Wyk for his response and said that I was good

15.3	<p>to hear that National Government had a strategy for long term water security management. However, A Barker asked if local government was aware of this strategy. A Barker added that there needed to be a way for businesses (the private sector) and NGOs to collaborate with National, Provincial and Local authorities to effectively address the water security issues in South Africa.</p> <ul style="list-style-type: none"> • J van Wyk said that the strategy was implemented by a strategy steering committee, which included all relevant stakeholders, including local, provisional and national government. However, the steering committee had not met for 6 months. • A Barker added that during a recent meeting he had made a proposal to Jo'burg Municipality to start harvesting rain water and include the rain water harvesting as part of their strategy. • A Barker further proposed that authorities collaborate with business sectors and universities, who would be able to provide research data in order to back up water security decision making in the future. • P Khwinana thanked A Barker for raising the issue of water security in Gauteng. P Khwinana requested that A Barker circulate the report, and any other relevant links, to Forum members in order to continue the discussion and involve all stakeholders in the discussion. <p>Announcements</p> <ul style="list-style-type: none"> • L Mutshekwa announced that she would be moving out of the Suikerbosrand catchment and that she was moving to Water Use Authorisation based in Head Office. • L Mutshekwa said that Ms Betty Nakene would be taking over the Suikerbosrand Catchment. She also added that there had been some changes in their contact numbers, which were as follows: <ul style="list-style-type: none"> - Londolani Mutshekwa: 082 820 2140 - Phillimon Khwinana: 082 923 8145 - Betty Nakene: 082 818 7281 	A Barker to circulate state of the environment report to Forum members.
16	<p>Next Meeting</p> <ul style="list-style-type: none"> • Date of next meeting: 08 February 2018 • Venue: Grootvaly Training Centre, Springs 	
17	<p>Closure</p> <ul style="list-style-type: none"> • The chairperson thanked everyone for coming to the Forum meeting and also thanked the new members who had joined the Forum for attending. 	