



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD



UKUSETYENZISWA KWAKHONA KWAMANZI EKAPA

UKUNCEDA UKUKHUSELEKA KWEKAMVA LAMANZI ASEKAPA

Senza inkqubela yenzeke. Sisonke.

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Kutheni ukusetyenziswa kwakhona kwamanzi kusenziwa eKapa?

IKapa sisixeko esikhulayo esijongene nokungaqiniseki malunga nexesha kunye nobungakanani befunthe lotshintsho lwemozulu kwimvula yethu nakubonelelo lwamanzi olukhoyo.

Ngo2018, ngexesha lembalela embi kakhulu kwimbali, abahlali baseKapa basinda ngokulambisa ku 'Day Zero', umhla aphi unikezelo lwamanzi ngemibhobho bekuya kufuneka luvaliwe kwindawo ezinizi kwaye wonke umntu kuya kufuneke eme emgenci wamanzi. Oku kwakuyimimyaka emithathu kuhphela emva kokuba amadama ezele.

Asisodwa – uxinzelelo lwamanzi ngoku luchaphazela abantu abali 1,5 yeebhiliyonu abahlala kwizixeko zehlabathi liphela.^a

lingcali zemozulu ziylumkisa ukuba imbalela iza kwenzeka rhoqo kwaye iza kuhlala ixesha elide kwaye iza kubaqatha. Ukuna kwemvula akunasiqiniseko, umphunga uza kunyuka (ngamaqondo aphezulu), kwaye kukho ukhetho olungekho luninzi lwenkqubo zamanzi ezinokwenziwa zaphezu komhlaba. Asinakuphinde sixhomekeke kumanzi angaphezulu komhlaba agcinwe kumadama ahlangabezana neemfuno zethu ezikhulayo nezilindelekileyo. Imbalela yakutshanje isibonakalisile ukuba sidinga ubudlelwana obutsha namanzi, ngoko ke kufuneka sifumane eminye imithombo yamanzi.

Ukusetyenziswa kwakhona kwamanzi yenyenemithombo emitsha engabizi mali eninzi. Kuqikelelwa ukuba kubiza malunga nama 60% okucocwa kwamanzi anetyuwa kunye namanzi aphantsi komhlaba kwiindleko zomthombo wamanzi aseCape Flats, kwaye kubiza ngaphezulwana kuneendleko zamanzi aphantsi komhlaba avela kwiNtaba yeTafile. Kukwanempembelelo encinci kwindalo esingqongileyo kunokususa ityuwa emanzini kunye nezinye iindlela zamanzi angaphezulu komhlaba.

Ngenxa yezi zibonelelo zibalulekileyo, iSixeko saseKapa (iSixeko) sifuna ukulandelwa kokusetyenziswa kwakhona kwamanzi njengenxalenyne ebalulekileyo yemixube eyahlukeneyo yemithombo emitsha yamanzi eyakusisa kwikamva lamanzi ekwabelwana ngalo ngokukhuselekileyo. Iziko lokubonisa livavanye le nkqubo kwaye yabonisa ukuvelisa amanzi akumgangatho ophezulu kakhulu. Inkqubo yokusetyenziswa kwakhona esisigxina ebizwa ngokuba yiNkqubo eNtsha yaManzi yaseFaure iyacwangciswa kwaye iyayilwa.

^a World Resources Institute, 2019. Aqueduct Project, Water Risk Atlas

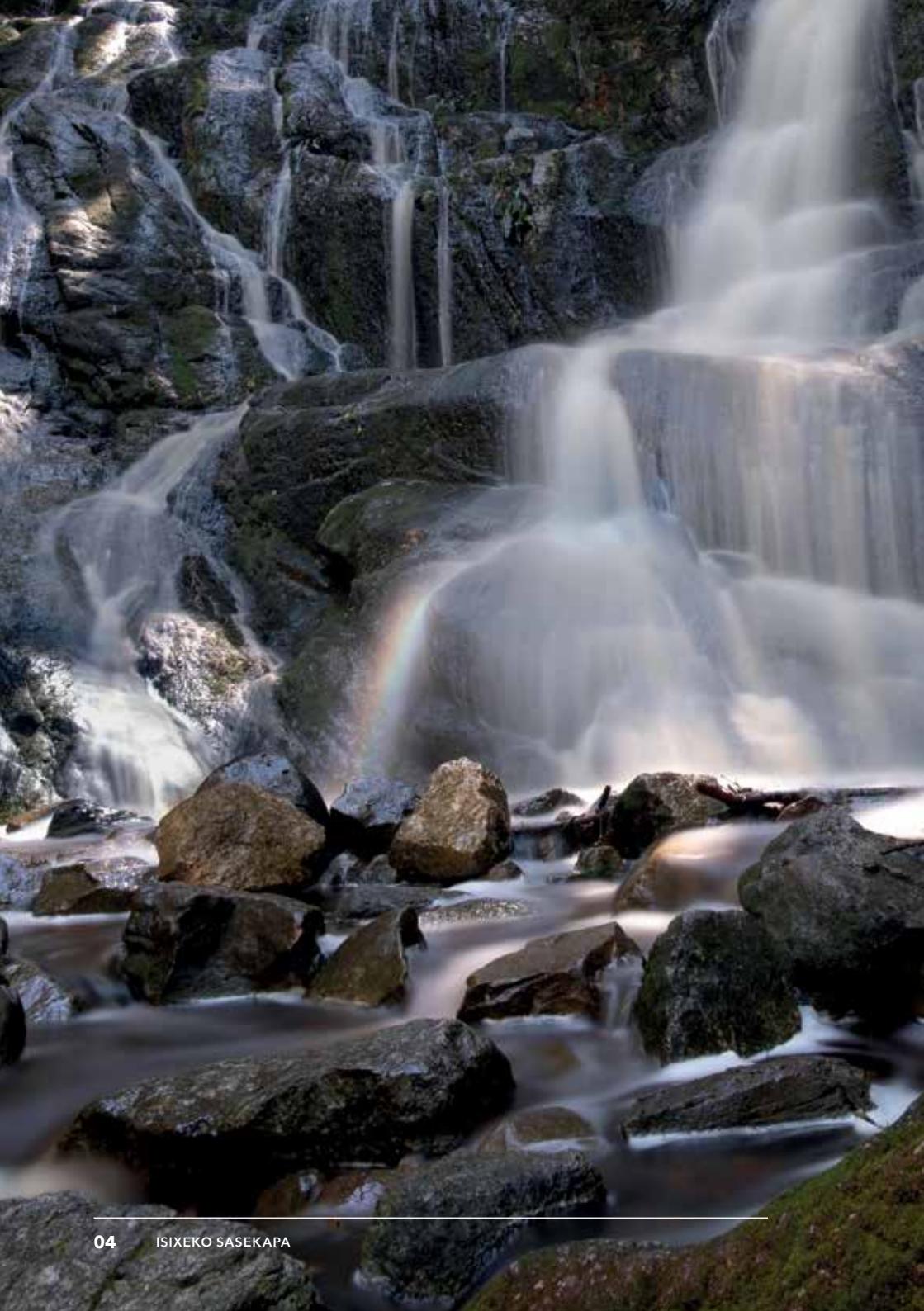
"IKapa lidlule kwimbalela enzima enezifundo ezininzi kubahlali, isixeko kunye nehlabathi liphela. Njengeengcali zembalela ngoku sikhokela indlela yokuthintela impinda yokusondela kakhulu kwimeko ka'Day Zero', senza utyalomali olucwangcisiweyo kwezinye iindlela zokukhetha imithombo yamanzi.

I-WWF yamkela ukuba ezona ndleko zingabizi imali engako nezithathela ingqalelo indalo zezokuqala ukukhethwa siSieko saseKapa. Ngokudibenyenqubo eqhubekayo yolawulo lweemfuno zamanzi kunye nokugawulwa kwemithi enobungozi kumadama, ukusetyenziswa kwakhona kwamanzi amdaka okucwangcisiweyo yindlela efanelekileyo nezinzileyo. Eli lixesha aphi kufuneka samkele imigomo yookuba 'sinciphise, sisebenzise kwakhona, sirisayiklishe' kumanqanaba amanzi obomi bethu bokuchitha kwaye oko kufuneka kwenzeke nasemanzini ethu.

Ndakhulela eWindhoek, eNamibia, aphi amanzi amdaka esixeko aphinda asetyenziswe kwakhona kwaye ongezwa emanzini okusela ngaphezulu kweminyaka engama50, ngoko ke kum asiyonto ingaqhelekanga."

UGqr Klaudia Schachtschneider,
uMphathi weNkqubo: Water Stewardship, WWF-SA





UKUSEBENZISA AMANZI AKHOYO EMHLABENI

Umthamo wamanzi eMhlabeni awupheli kwaye awutshintshi ngokuhamba kwexesha. Ikwangala manzi ahlaziya ngokutsha unyaka nonyaka kwiplanethi yethu ngesayikile yamanzi endalo. Sisela amanzi afanayo nalawo ayeselwa ziidayinaso kwizigidi zeminyaka eyadlulayo. Ngelixa malunga nama 70% eplanethi yethu igutyungelwe ngamanzi, uninzi lwayo ngamanzi olwandle anetyuwa, okanye ngumkhenkce osendaweni ekude. Yi 2,5% kuphela amanzi acocekileyo kwaye yi 1% kuphela efikeleleka ngokulula b kwiimfuno zethu ezikhulayo. La manzi axabisekileyo ayangcoliswa kancinci kancinci yimisebenzi yethu bantu. Amanzi yinto eyodwa engenakwenziwa, kodwa sinokuwacoca siphinde siwasebenzise kwakhona njengoko isenza indalo.

^b American WaterReuse Association, 'Profiles in Reuse: Potable Reuse', www.watereuse.org.

IsiCwangciso buchule saManzi saseKapa

Isixeko saseKapa kune neSebe leSizwe laManzi noCoceko, senze uphando oluninzi olwahlukeneyo kwiminyaka emininzi edlulileyo kwaye bathethana neengcali zangaphandle ukulungiselela izicwangciso eziphambili zophuhliso lweminye imithombo yamanzi, kubandakanya ukusetyenziswa kwakhona kwamanzi.

Emva kwezimvo zoluntu, isiCwangciso buchule saManzi saseKapa samkelwa ngo2019. Oku kukuqinisekisa ukuba amanzi angaqhubeka nokuxhasa ubomi besixe - nokuba utshintsho lwemozulu luyayichaphazela imvula yethu.

Ngoku sisebenzela ukubonelela ngamanzi avela kwimithombo eyahlukeneyo, kubandakanya namanzi aphantsi komhlaba, amanzi angaphezulu komhlaba, ukususwa kwetyuwa kumanzi olwandle, kune nokusetyenziswa kwakhona kwamanzi. Isicwangciso buchule sikwabeka phambili ulondolozo lwamanzi, ulawulo lweemfuno, ulawulo loxinzelelo, kune nokususwa kwezityalo 'ezinxaniwego' ezingaqhelekanga kwiindawo zethu ezinamanzi njengeendlela ezibalulekileyo zokuncheda ukukhusela unikezelo lwethu.

Ngolwazi oluthe vetshe malunga nenqubo entsha yamanzi, jonga uxwebhu olutsha iWater Outlook ku www.capetown.gov.za/thinkwater.



IZIBOPHELELO ZESICWANGCISO BUCHULE SAMANZI

1

Ukufilela ngokukhuselekileyo emanzini kune nococeko kumntu wonke

2

Ubulumko bokusebenzisa amanzi ngamaxabiso, imigaqo, ngokuba ngummi osebenzayo, ulawulo lwenethiwekhi

3

Amanzi awaneleyo nathembakeleyo avela kwimithombo eyahlukeneyo (amanzi aphantsi komhlaba, amanzi aphezulu komhlaba, ukususa ityuwa emanzini olwandle kune nokusetyenziswa kwakhona kwamanzi)

4

Izabelo ekwabelwana ngazo kune nemingcipheko elawulwayo evela kwimithombo yamanzi engingqi

5

Isixeko esinovakalelo ngamanzi ngo2040

Yintoni ukusetyenziswa kwakhona kwamanzi?

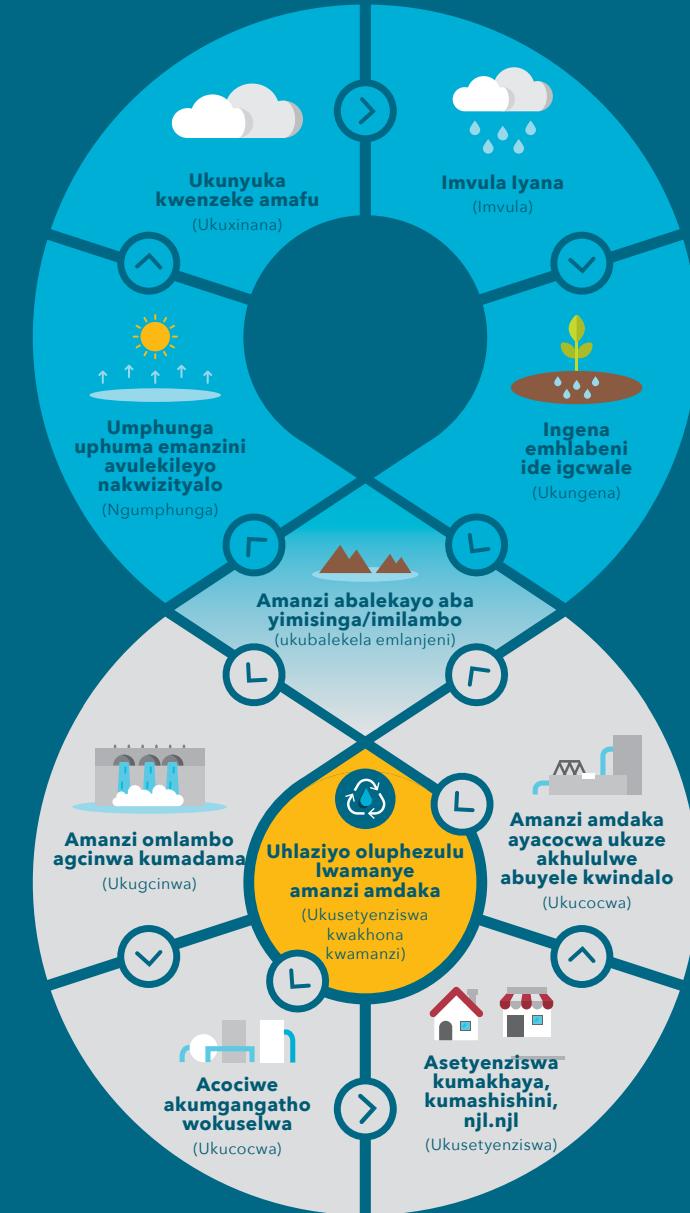
Kwimeko yethu yaseKapa, ukusetyenziswa kwakhona kwamanzi kubhekisa ekucocweni kwamanzi amdaka ngenqubo yokuhlanjululwa ekwinqanaba eliphezelu lokovelisa amanzi okusela akumgangatho ophezelu. Oku kungongeza ukuhambisa kwethu kwamanzi amaninzi.

Ukusetyenziswa kwakhona kwamanzi kuthembakele, kuyafikeleka kwaye kuzinzile.

Ukuphinda kusetyenziswe amanzi kwenzeka ngokuhubekayo kwindalo. Imvula ivela emafini ize ingene emhabeni, iqokelelane emilanjeni, ibanjwe emadameni, icocwe, kwaye ifakwe kwimibhobho eya kumakhaya ethu, ezikolweni nakumashishini ukuze siwasebenzise.

Emva kokuba sigqibile ngawo, amanzi ethu acocwa kwindawo yokucoca amanzi amdaka ze akhutshelwe kwimilambo yethu nakwiilwandle apho aphuma abe ngumphunga enze amafu emvula - kwaye isayikileiqale ekuqaleni kwakhona. Ngamanzi amanye ajikelezayo, njengoko kusoloko kusenzeka. Oku kubizwa ngokuba yisayikile yamanzi asezidolphini.

Ukusebenzisa amanzi kwakhona kwandisa le sayikile ngokuhambisa kwakhona amanzi amdaka acociwego kunye nokuwahlambulula ukuze asetyenziswe kwakhona, endaweni yokuwakhulula wonke abuyele emilanjeni naselwandle ukuze alindwe abuye njengemvula. Oku kuxhasa isayikile yasezidolphini ngobunjineli bethu, ukuze sikuwazi ukusebenzisa ngakumbi amanzi ethu.



ISAYIKILE YAMANZI EZIDOLOPHINI

Lo ngumzobo wendalo nowedolophu owenziwe lula ongabandakanyi zonke izinto ezinowenzeka.

Yeyiphi enye indawo apho ukusetyenziswa kwamanzi kwakhona kwenzeka khona?

Ukujoyina ezinye izixeko ezipambili.

IKapa ayisosixeko sokuqala ukuphonononga okanye ukuphumeza ukusetyenziswa kwakhona kwamanzi. Iprojekthi zokusetyenziswa kwakhona kwamanzi okusela sele zenziwe ngempumelelo kwizixeko ezinkulu kwihiabathi liphela, kubandakanya iMelika, iAustralia kanye neSingapore. Izixeko zaseAfrika ziye zaba ngoovulindlela ekusetyenzisweni kwakhona kwamanzi, kubandakanya iBeaufort West, iBallito kanye neWindhoek (Namibia) apho ibesenziwa ngaphezulu kweminyaka engama50.

Ukusetyenziswa kwakhona kwamanzi kuyaxhaswa kakhulu kwaye kuyakhuthazwa ngurhulumente wesizwe eMzantsi Afrika (iSebe lokuHaliswa koLuntu, aManzi noCoceko), kwaye kuxhaswa ngamanye amaziko afana neKhomishini yoPhando IwaManzi kanye nezfundiswa ezizingcali zamanzi, umz. iFuture Water Institute yaseYunivesithi yaseKapa.

EKapa ukusetyenziswa kwakhona kwamanzi bekuyinxalenye ebalulekileyo yenqubo entsha yamanzi kwiziko le-ofisi elikhulu lakwaOld Mutual ePinelands (Mutual Park). Ukususela ngo2018, indawo yonyango apho iqinisekisa ukuba amanzi avela kwimithombo eyahlukeneye acociwe malunga nabantu abali 10 000 abasebenzayo nabandwendwela lo ndawo ngazo zonke iintsuku zeveki. Isetyenziswa ngokubanzi kubandakanya iinjongo zokusela.



"UTshintsho lwemozulu lusisoyikiso sokwenyani kwaye eOld Mutual siye saqonda ukuba kufuneka silungelelanise idlela esisebenzisa ngayo izibonelelo zamanzi ezixabisekileyo ukuze siqhubekе nokusebenza kwaye siphumelele. Indawo yethu enguvulindlela yokucoca amanzi avela kwimithombo emininzi kwaye ibibonelela malunga nabantu abali 10 000 kule khampasi yonke imihla yokusebenza ukusukela ngo 2018.

Ngoko ke ndiyakuxhasa ukusetyenzisa kwamanzi kwakhona eKapa. Iteknoloji yavavanywa yaphumelela, kwaye amawaka amaninzi abantu baseKapa eMutual Park sele besebenzisa kwaye bewasela iminyaka embalwa ngoku. Sifuna oku njengenxalenyе yonikezelо lwamanzi amaninzi kwixesha elizayo njengeSixeko"

Khiyam Fredericks, owayefudula enguMlawuli wezoBugcisa kuZwelone kwaOld Mutual, aphi wanceda khona ukuba nguvulindlela kwinkqubo entsha yamanzi eMutual Park in 2017-2018.



© Old Mutual



© Windhoek Goreangab Operating Company

WINDHOEK - AMAGQALA KUSETYENZISO LWAMANZI KWAKHONA APHA KUFUTSHANE

Ngo 1968, yayijongene nemfuno ezazikhula zamanzi okusela, iWindhoek yaqala ukusebenzisa iziko lokuqala kwihiabathi lokusetyenzisa kwamanzi aselwayo kwakhona. INamibia lelinye lawona mazwe omileyo eAfrika, kwaye xa imithombo yabo yayisele iphantsi kakhulu, baqala ukuqaphela amanzi amdaka njengesibonelelo esinokubakho samanzi okusela. Indawo yokucoca yaphuhliswa kwaye isebeza ngempumelelo ukusukela oko.^c

IOld Goreangab eliziko lokubuyisela amanzi okusela yaqale yacoca i4,3 yezidi zelitha zamanzi ngosuku, oko kwenza i10% yemfuno zamanzi ngelo xesha. Ngo 2002, iGoreangab eNtsha iziko lokusetyenzisa kwakhona kwamanzi lagqitywa linenkqubo ephuculiwego yokuhlambulula livelisa iilitha ezingama 21ezigidi zamanzi okusela ngosuku (ama 21% amanzi asetyenziswayo eWindhoek).^d

Namhlanje, iWindhoek Goreangab Operating Company yaziwa kwihiabathi liphela njengenye yeengcali eziphamibili ekusetyenzisweni kwakhona kwamanzi kune neteknoloji yokuhlambulula amanzi akwinqanaba eliphezulu.

Iziko elitsha libonelela ngamanzi acocekileyo kubemi abangaphezulu kwama 300 000 baseWindhoek kwaye uku kuthi ga ngoku akukabikho ziphumo zingalunganga zempilo ezifunyenwego ngenxa yokusebenzisa kwakhona amanzi asetyenzisiwego.^e

^c Du Pisani, P. & Menge, J.G. 2013. Direct potable reclamation in Windhoek: a critical review of the design philosophy of new Goreangab drinking water reclamation plant. *Water Science & Technology: Water Supply*.

^d Veolia, 2018. Namibia: Windhoek has been producing drinking water from its wastewater for 50 years.

^e Wingoc, 2020. Key facts & figures.

Singaqinisekisa njani ukuba amanzi asetyenzisiweyo akhuselekile ukuba angaselwa?

Amanzi asetyenizisiweyo asuka kwindawo yokucoca amanzi amdaka sele esetyenziselwa ukunkcenkceshela, kwimizi-mveliso nakulwakhiwo, kodwa eyona mfuno imandla eKapa ngamanzi okusela akumgangatho ophezulu.

Amanzi ke ngoko asetyenzwa ngocoselelo, ngeenkqubo nangokuphindaphindiweyo ukususa amasuntsvana, iintsholongwane kunye nongcoliseko kwiziko eliphezulu lokuhlambulula amanzi ngeenkqubo zonyango ezingqiniweyo ezininzi kunye nokubeka esweni okukumgangatho ophezulu. (iiPathogen zintsholongwane ezibangela izifo. Ngokuqhelekileyo zibizwa ngokuba ziintsholongwane.)

Imigaqo engqongqo ikhona ukuze kuqinisekiswe ukuba inkqubo isebenza ngokuchanekileyo. Inyathelo ngalinye lenkqubo liqinisekisiwe ngeenkqubo zokubeka iliso kwi-intanethi nakwilebhу yeziko. Iisampulu zithunyelwa rhoqo kwiilebhу ezizimeleyo ukuba zivavanywe zithelekiswe nemilinganiselo engqongqo yamanzi okusela kwihlabathi liphela. Iziphumo zomgangatho wamanzi ziya kupapashwa rhoqo apha:

www.capetown.gov.za/thinkwater.

Abahlali / abo bachaphazelekayo bamkelekile ukuba batethe neSixeko malunga nokuqhube uphando besebebzisana olumalunga nokusetyenziswa kwakhona kwamanzi. Ukwenza amalungiselelo oku, nceda uthumele i-imayile kuwater@capetown.gov.za.



Bobuphi ubuchule iSixeko saseKapa esinabo ekusetyenzisweni kwakhona kwamanzi?



iSixeko saseKapa besiphuhlisa ubuchule obubalulekileyo beteknoloji nobeziko ekusetyenzisweni kwakhona kwamanzi ngokubandakanya ezinye iindawo zamanzi kwihi labathi liphela ukuze sifunde kumava azo, kune nokusebenzisana neengcali zeli kune nezamazwe aphesheya ekusetyenzisweni kwakhona kwamanzi. Iphaneli yokuphononongwa koontanga kubandakanya iingcali zeli nezamazwe aphesheya iyamiselwa yiKhomishini yoPhando IwaManzi.

Ukusebenza kwendawo yokubonisa inkubo kwiziko lokuhlanjululwa elikumgangatho ophezulu isithuba esingaphezulu kweminyaka emibini ikwancede iSixeko ukuba sifumane amava abululekileyo ekusetyenzisweni kwakhona kwamanzi. Ekuqaleni kwagunyaziswa njengemeko yongxamiseko yokunceda imbalela, indawo yokubonisa yaseZandvliet ephinde yensiwa ngokutsha ukuze sikwazi ukuhlalutya umgangatho wamanzi, ekuhambeni kwexesha kwindawo ezahlukenyero zenqubo yokuhlanjululwa kubekwe uyilo olufanelekileyo, ukusebenza, ukubeka iliso kune neenkubo zolawulo kune nokuzibandakanya nabachaphazelekyo ababalulekileyo.

Jonga ividiyo emfutshane echaza iziko lokubonisa ukusetyenziswa kwakhona kwamanzi: www.capetown.gov.za/thinkwater.

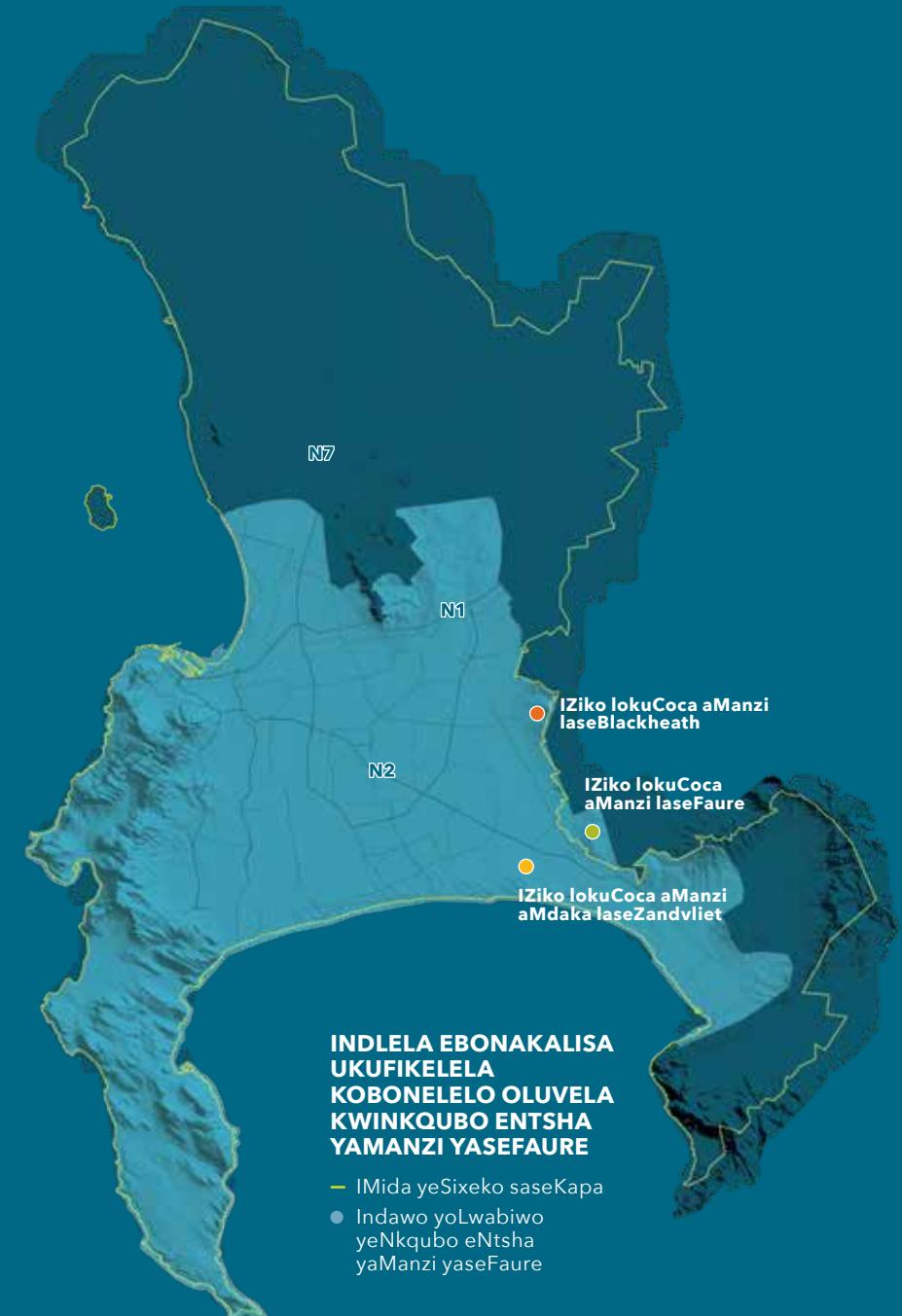


INkubo eNtsha yaManzi yaseFaure

Emva kweminyaka engama 25 ezifundo ezingqongqo zoqoqosho nezendalo, uphando lobugcisa nokucwangcisa, iNkubo eNtsha yaManzi yaseFaure (ebizwa ngokuba yiFNWS) yachongwa njengelona thuba lilungileyo lokusetyenziswa kwakhona kwamanzi eKapa.

INkubo eNtsha yaManzi yaseFaure iza kufumana umthombo wamanzi (amanzi amdaka acociweyo) avela kwiZiko lokuCoca aManzi aMdaka laseZandvliet. Iziko laseZandvliet yindawo enendleko ezifikelelekayo, enomthamo owaneleyo wamanzi amdaka angaveli kwimizimveliso emikhulu anokuba ngumceli mngeni onzima ukuwacoca. Umgangatho wayo uyonyuswa ukuze ubandakanye inkubo yokucoca neyokuqinisekisa umgangatho ophezulu womthombo wamanzi wenkubo yokusetyenziswa kwakhona kwamanzi. Umthombo wamanzi waseZandvliet uyakuhanjiswa ngemibhobho ukuya kwiziko elitsha eliphezulu lokuhlaziya iZiko lokuCoca aManzi laseFaure elikhoyo, kumgama ozikhilomitha ezi5.

Iziko eliphezulu lokuhlaziya liya kuvelisa ukuya kwi100 lezigidi zelitha zamanzi acoekileyo okusela ngemini. La manzi aza kuqala adityaniswe namanzi akrwada evela emadameni, ngomlinganisel oomkhulu wama 20% amanzi asetyenzisiweyo kanye nama 80% amanzi edama. Emva koko amanzi adityanisiweyo ayacocwa kwakhona ngeenkubo eziqhelekileyo zeZiko lokuCoca aManzi laseFaure, phambi kokuba agcinwe kwichibi laseFaure. Ukusuka apho, uthungelwano lokuhambisa luya kuba nakho ukahambisa la manzi ngokubanzi eKapa.



Le Nkqubo eNtsha yaManzi yaseFaure idibanisa ubugcisa obutsha bokuhlanjululwa, iinkqubo eziphucukileyo zokubeka iliso kune nokulawula kwi-intanethi kune neenkqubo zokusebenza ezizezona zilungileyo. Uyilo luye Iwaqwälaselwa ngoogxa abaziingcali zamazwe ngamazwe zokusetyenziswa kwakhona kwamanzi, kwaze kwalandelwa indlela esetyenziswa ngamashishini okutya neziselo esisiQinisekiso noHlahlelo IweeNgozi kune neeNdawo zoLawulo oluBalulekileyo (HACCP).

Izicwangciso ezineenkukacha ziyamiselwa ukuze kuqinisekiswe ngezona mpembelelo zinokubakho kwindalo esingqongileyo kune neenkqubo zokukhusela zexesha elide.



INKQUBO EKWINQANABA ELIPHEZULU YOKUHLANJULULWA KWAMANZI



Amanzi amdaka acociweyo angena kwiziko elitsha lokuhlanjululwa kwaye aphantsi kwala manyathelo alandelayo aqinisekisiwego okunyanga imiqobo eminini:

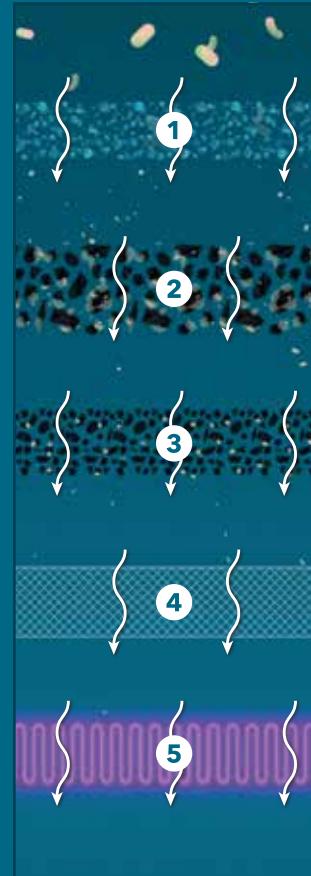
Inkqubo yokuhlanjululwa kwiNkqubo eNtsha yaManzi yaseFaure

Ngaphambi kwenkubo yokuhlanjululwa ekumgangatho ophezulu, izondlo ezifumaneka kwizinto eziphilayo ezikumthombo wamanzi ziyancitshiswa ngokususa kubumdaka obuyi 'biological nitrate' kunye neenkubo zokususa inwebu kumanzi.

Inkqubo yokuhlanjululwa kwamanzi ixhomekeke kwinkqubo yokuhlanjululwa kwemiqobo eminini yokususa ukungcola kube kwinqanaba elikhuselekileyo, njengoko ithelekitwa nemilinganiso engqongqo yehlabathi.

Ngolwazi oluthe vetshe malunga nenkubo ekwinqanaba eliphezulu lokuhlanjululwa kunye nemigangatho yokusebenza, jonga

www.capetown.gov.za/water-reuse.



INYATHELO 1: i-Ozonation eyinkqubo yokucoca amanzi isebeenzisa ipropathi ezinamandla zokutshabalalisa naziphi na izinto ezibangela izifo iipathogen/iintsholongwane kwaye ziqhekeza izinto eziphilayo eziluqilima zibe ngamasuntswana afunxwayo kwinkqubo yokuhluza iBAC.

INYATHELO 2: iBiologically Activated Carbon (BAC) (BAC) Filtration isusa amasuntswana nezinto ezinokuboliswa ziintsholongwane.

INYATHELO 3: iGranular Activated Carbon (GAC) Filtration isusa izinto ezincinci ezingenakuboliswa zintsholongwane ngokuzifunxa.

INYATHELO 4: i-Ultrafiltration isusa amasuntswana, izinto ezingcolisayo kunye neepathogen/iintsholongwane ezincinci amaxesha angange-1 000 ububanzi kunenwele zomntu omnye (<10 micron).

INYATHELO 5: Inkqubo ekwinqanaba eliphezulu yokucoca amanzi (Advanced Oxidation Process) enezibane ze-ultra violet idibanisa ukukhanya namandla eekhemikhali ukuqhekeza nawaphi na amakhonko aseleyo ezinto eziphilayo ukuya ezantsi kwiibloko zayo zokhabhoni dayiksayidi namanzi.



Isiphumo ngamanzi acocekileyo afikelela kumgangatho ophezulu ongangama 100% okulungela ukeselwa /nokusetyenziswa

Ungazibandakanya njani nathi kwikamva lethu lokwabelana ngamanzi?

Hlala unolwazi. ISixeko saseKapa sizibophelele ekwabeleni ngolwazi namaqela anomdlala kanye namaqela achaphazelekayo ngokubamba iintlanganiso, iwebhusayithi yeSixeko, kanye noluhlu lwezixhobo zolwazi kubandakanya iividilo, le ncwadana inemifanekiso, iphetshana, amaphepha abhalwe inkukacha kanye nemibuzo ebuzwa rhoqo kanye neempendulo.

Ngolwazi oluthe vetshe, tyelela www.capetown.gov.za/water-reuse.

Sinike ingxelo. Ukuba ungathanda ukunika izimvo zakho okanye ukuthetha nathi koku, nceda uimeyile water@capetown.gov.za okanye tsala umnxeba ku **0860 103 089**.

Zibandakanye kuhambo lwethu lokwahlulahlula imithombo yethu yamanzi ukuze sikhawazi ukufumana amanzi akhuselekileyo ethu nawezizukulwana ezizayo.

Ikamva lethu lokwabelana ngamanzi.



" Iziko lamanzi laseUCT elibizwa ngokuba yiFuture Water Institute liyalamkela inyathelo leSixeko lokutyala imali kwiprojekthi enkulu yokusetyenziswa kwakhona kwamanzi. Olu tyalo-mali lunakho ukunyusa iimfuno zamanzi zexesha elizayo zaseKapa ngokwahllula unikezelo lwaso.

Esi sicwangciso sihambelana nesiCwangciso buchule saManzi sesiXeko esitsha malunga nokusombulula ukomelela (kuphendulwa kokunqongophala kwamanzi), kanye nozinzo lwexesha elide olunxulunyaniswa notshintsho lokuba siSixeko esinoVakalelo ngaManzi."

UGqr Kirsty Carden noGqr Kevin Winter,
Future Water Institute kwiYunivesithi yaseKapa



**Ngolwazi oluthe vetshe malunga
nokusetyenziswa kwakhona kwamanzi tyelela
kuwww.capetown.gov.za/water-reuse.**

Ukuxela ngemiba enxulumene namanzi nxibelelana
neSixeko saseKapa ngokusebenzisa ELINYE lala majelo:

Kwi-intanethi: www.capetown.gov.za/servicerequests

I-imeyile: water@capetown.gov.za

ISMS: 31373 (ubuninzi 160 yekharelathazi)

Umnxeba: 0860 103 089

Tyelela: Kumaziko eSixeko, jonga
[kuwww.capetown.gov.za/facilities](http://www.capetown.gov.za/facilities)



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

Senza inkqubela yenzeke. Sisonke.