

**NOTICE OF DRAFT BASIC ASSESSMENT REPORT REVIEW  
PROPOSED WATER PIPELINE TO THE BHOBHOYI WATER TREATMENT  
WORKS, UGU DISTRICT MUNICIPALITY, KWAZULU-NATAL**

Notice is hereby given in terms of the following:

- The Environmental Impact Assessment (EIA) Regulations (Government Notice No. R. 982 of 4 December 2014, as amended) (the EIA Regulations), in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA); and
- The National Water Act (Act No. 36 of 1998) (NWA).

**PROJECT OVERVIEW:**

Water for the Umzimkhulu Regional Water Supply Scheme is currently sourced from the licenced river flows in the uMzimkhulu River from where it is then treated and distributed to all users in the system. Raw water abstraction takes place at the St Helen's Rock abstraction point where water is pumped to an off-channel storage dam that feeds Bhubhoyi Water Treatment Works (WTW).

The Ugu District Municipality (the Applicant) has proposed the development of a new pipeline of approximately 3.4 km from the St. Helen's Rock abstraction works to the Bhubhoyi WTW (the Project). The proposed pipeline is located within Wards 12, 14, 23 and 34 of the Ray Nkonyeni Local Municipality (RNLM), KwaZulu-Natal.

There is currently only one functioning ND700/600 pipeline delivering water to the storage dam and Bhubhoyi WTW, which has limited capacity on its own and which requires complete system shutdown for ongoing maintenance. Bifurcation pipework to and from the storage dam is prone to leaks and thus ongoing maintenance shutdowns and risk of serious failure.

To achieve the licenced 88 Ml/d on average, the whole system requires the capacity to deliver up to 108 M/d (peak) at times in order to maintain this average. The existing ND700/600 pipeline from the St. Helen's Rock abstraction works to the existing Bhubhoyi WTW on its own cannot do this. The existing ND700/600 and proposed ND700 will therefore need to accommodate a combined flow of 1.25 m<sup>3</sup>/s at a maximum mean velocity of 1.87 m/s.

The proposed new abstraction weir (separate Application for Environmental Authorisation) and delivery pipeline to the WTW will resolve all the above issues and will have the strength and assured capacity to deliver 88 Ml/d average (108 Ml/d peak) to the 900 Ml storage dam and to the WTW, as per the abstraction license. The proposed WTW upgrade will then match this 88 M/d (108 Ml/d peak).

The proposed Project Area passes through the following properties:

- |   |   |
|---|---|
| • Portion 1 of the Farm The Sides No. 6082  | • Remainder of Alfred Location No. 5 No. 15845        |
| • Remainder of the Farm The Sides No. 6082  | • Portion 69 of Alfred Location No. 5 No. 15845       |
| • Remainder of the Farm The Bushes No. 5470 | • Portion 9 of Alfred Native Location No. 5 No. 15845 |
| • Remainder of the Farm The Band No. 6694   | • Portion 72 of Alfred Location No. 5 No. 15845       |

**ENVIRONMENTAL ASSESSMENTS:**

Nemai Consulting (Pty) Ltd was appointed as the Environmental Assessment Practitioner (EAP) to undertake the following environmental processes for the proposed Project:

- A Basic Assessment process in terms of the EIA Regulations to seek Environmental Authorisation (EA) in terms of NEMA, where the mandated authority is the KZN Department of Economic Development, Tourism and Environmental Affairs (EDTEA); and
- A Water Use Licence Application (WULA) in terms of the NWA for water uses associated with the Project. The mandated authority for the WULA is the Department of Water and Sanitation (DWS).

**REVIEW OF DRAFT BASIC ASSESSMENT REPORT (BAR):**

The draft BAR will be lodged for public review at the Municipal Library (10 Connor Street, Port Shepstone) from **19 May** until **20 June 2023**. The report can also be downloaded from the following website: <https://nemai.co.za/downloads/>.

**PUBLIC MEETING:**

Anyone that has an interest in attending a virtual public meeting will need to inform Nemai Consulting in writing by **31 May 2023**. Only pre-registered parties that confirmed interest will receive an invitation to the public meeting

**CONTACT DETAILS OF ENVIRONMENTAL ASSESSMENT PRACTITIONER (COMMENTS/QUERIES):**

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**KUKHISHWA IZAZISO NGOKULANDELA IMITHETHO ELANDELAYO:  
OWEZEMVELO NOKUTHINTEKA KWAYO UMTHETHO WEZ UMZIMKHULU  
NGAPHANSI KAMASIPALA WESIFUNDA UGU, EKZN**

Isaziso sikhishwe ngaphansi komthetho wezokubheka umthelela ozokwenzeka kwezemvelo uma kwakhiwa ingqalasizinda. Isaziso sikhulumeni esiwunombolo 'Notice No.R.982 kaDisemba 2014 sikhishwe ngaphansi komthetho wezokunakekelwa kwezemvelo kuzwelonke iNational Environmental Management Act nokuyisigaba somthetho esiwunombolo 107 ka 1998 esibhekwe kanye nomthetho wezokuphathwa kwamanzi owunombolo 36 ka 1998.

**UMA SIBUKA LEPROJEKTHI:**

Amanzi adonswa Emfuleni Umzimkhulu ngokwemvumo esemthethweni, ukuze ahlanzwe bese esatshalaliswa kubo bonke abantu abawasebenzisayo. Amanzi aqale alungiswe esikhungweni saseSt Helen Rock eBhubhoyi lapho amanzi ehanjiswa ngamapayipi asiwe edamini elizowagcina bese liphakala isikhungo esiseBhubhoyi nesibhekelele ukhulanzwa kwawo amanzi.

UMasipala wesiFunda Ugu nokunguwo ofake isicelo, uhlolongaza intuthuko wokufakwa kwamapayipi amasha nazohamba ibanga elingu 3.4km ukusuka estyiwo ofake lesicelo sokuthuthukisa indawo esemfuleni uMzimkhulu Kanye namapayipi amanzi eMzimkhulu ukuze bathumele amanzi esikhungweni sabo esiseBhubhoyi. Lentuthuko ehlongozwayo izoqhubeka endaweni engama 9km ukusuka emfuleni uMzimkhulu ngasedolobheni lasePort Shepstone, KwaZulu Natal.

Manje kunohlelo olulodwa olusebenzayo lokuhambisa amanzi ngamapayipi uND700/600 edamini laseBhubhoyi ukuze ahlanzwe nolungakwazi ukugcina amanzi anele noludinga ukuthi kume nse yonke into uma kulungiswa. Ukulungiswa kwamapayipi asuke evuza kwenza ukuphazamiseka kokuthunyelwa kwamanzi

Ukuze sikwazi ukuthumela amanzi esezingeni lika 88m/d kudingeka ukuthi silungise ingqalasizinda yethu ukuze sikwazi nokuthumela amanzi anga 108 m/d sikwazi nokuqhubeka ziphakele amanzi ngezinga elifanele. Lesimo esinaso manje sokuthumela amanzi uND700/600 nosihlongozwayo sika ND700 sizodinga umthamo wokuthunyelwa kwamanzi awu 1.25 3/s ngesipidi sika 1.87 m/s.

Lesikhungo samanzi esihlongozwayo sizosiza ukuxazulula zonke lezinkinga ekukhulunywe ngazo ngasenhla kwezokuthumela amanzi emphakathini. Lokho kuzokwenza umasipala ukwazi ukuqinisa izinga lawo lokuthumela amanzi ngo 88m/d kuye ku 108 m/d uphinde ukwazi ukugcina amanzi ngo 900 m/d emadamini ngokusemthethweni ngokulandela ilayisenisi. Leprojekthi ehlongozwayo izosiza umasipala uthumele amanzi aku 88 m/d naku 108 ngezikhathi edingeka kakhulu.

Leprojekthi ehlongozwayo izodlula kulezindawo:

- |   |   |
|---|---|
| • Portion 1 of the Farm The Sides No. 6082  | • Remainder of Alfred Location No. 5 No. 15845        |
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**UMA KUBHEKWA EZEMVELO:**

Inkampani iNemai Consulting (Pty) Ltd iqokwe Ugu olufake isicelo saleprojekthi yokufakwa kwamapayipi amanzi ukuthi ibheke ukuthinteka kwezemvelo mayelana naleprojekthi ehlongozwayo

Kubhekwa izinto zokuqala nje esingathinteka ngokulandela umthetho wezemvelo ka 2014 osushintshiwe ukuze leprojekthi igunyazwe ngokusemthethweni sezibhekiwe zonke izinto ezimqoka ngokuthinteka kwezemvelo ezilawula aboMnyango wezoMnotho, ezokuVakasha nezeMvelo eKZN

Kubhekwa imithetho elawula ukusetshenziswa kwamanzi nezimvumo nokuvakwa kwezicelo ngokulandela umthetho obhekelele ukusetshenziswa kwamanzi nokulawulwa uMnyango wezaManzi kaZwelonke.

**UKUBUKWA KOMBIKO WOKUQALA NGOKUTHINTEKA KWEMVELO:**

Umbiko wokuqala uzothunyelwa emphakathini ukuze uwubheke kanti uzotholakala emtapweni wolwazi kamasipala iRay Nkonyeni edolobheni ePort Shepstone (10 Connor Street, Portshepstone), kusukela ziye **19 kuMeyi** kuyoma ziye **20 Juni 2023**. Lombiko oyatholakala nakwi webhusayithi ethi <https://nemai.co.za/downloads/>.

**IMIHLANGANO YOMPHAKATHI:**

Noma ubani ofisa ukuba yingxenywe yemihlangano yomphakathi eyenziwa ngezobuchwepheshe kuyomele abhalele abaNemai Consulting ziye **31 kuMeyi 2023**. Ababhalisiwe kuphela abazomenywa ukuthi babe yingxenywe yalamihlangano. Uma uneminye imibuzo wamukelekile ukuthi uthinte lona obhaliwe ngezansi neminingwane yezokuxhumana

**IMININGWANE YOBHEKELELE EZEMVELO MAYELANA NEZINCOMO NOMA IMIBUZO:**

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MAP: (Note: more detailed maps are available on request)



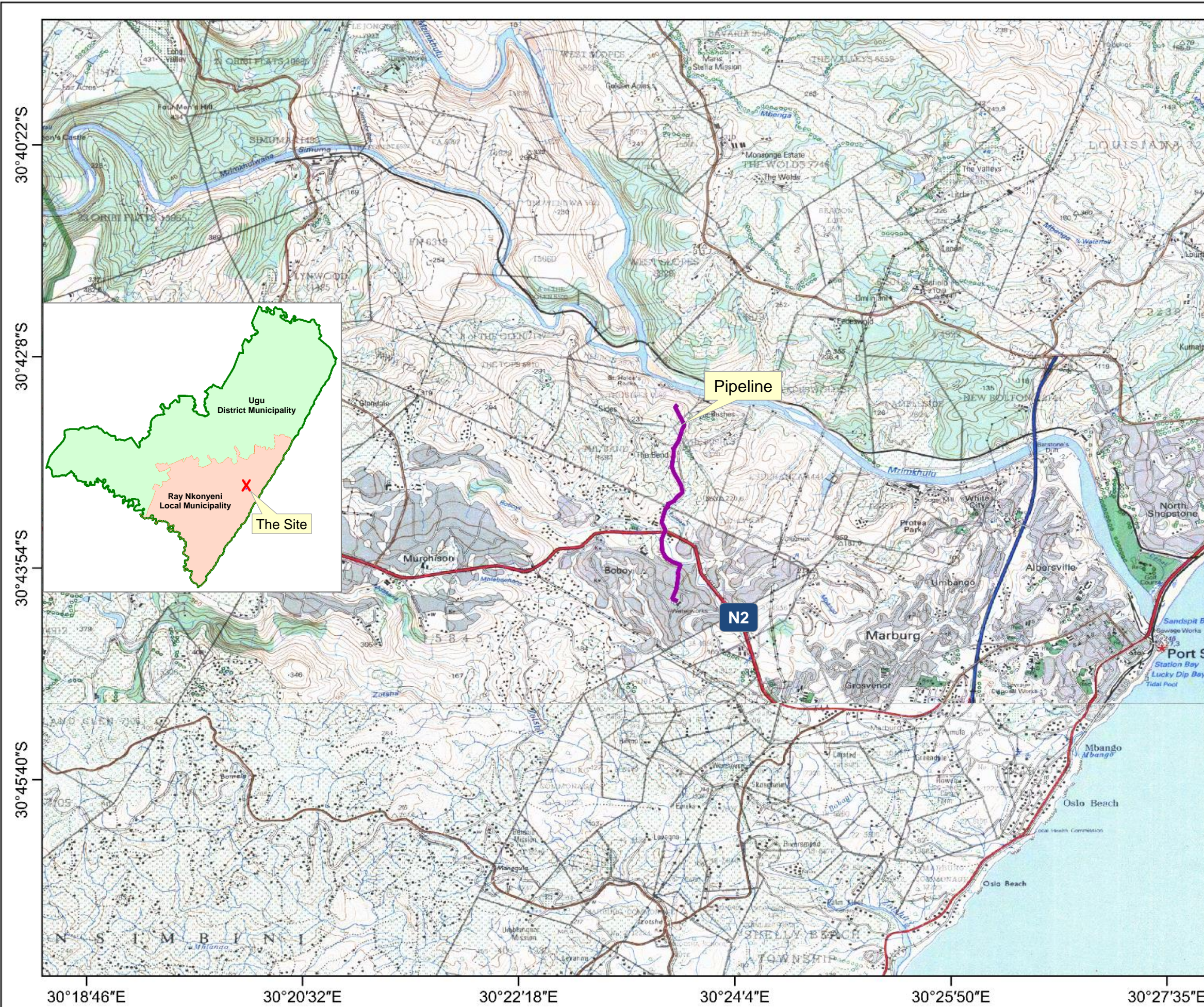
Uzimkhulu Pipeline:  
Regional Locality  
Map

Legend

- Uzimkhulu Pipeline Route
- Pipeline



Scale: 1: 50 000  
0 20 40 60 80 100 km



# PROPOSED UMZIMKHULU RIVER PIPELINE

## SITE NOTICES – LOCATIONS & PHOTOGRAPHS

No.	Coordinates	Description	Photo Reference No.
1	30°42'51.57"S; 30°23'36.76"E	Site Notice 1 – Along D201 road leading to St Helen's Rock Abstraction Works	1A
2	30043'34.27"S; 30023'26.85"E	Site Notice 2 – At the D201 and N2 intersection	1B
3	30043'48.10"S; 30023'38.10"E	Site Notice 3 – Boboyi area	1C
4	30044'2.54"S; 30023'35.08"E	Site Notice 4 – Next to Boboyi Water Treatment Works	1D



1A



1B



1C



1D