



Western Cape
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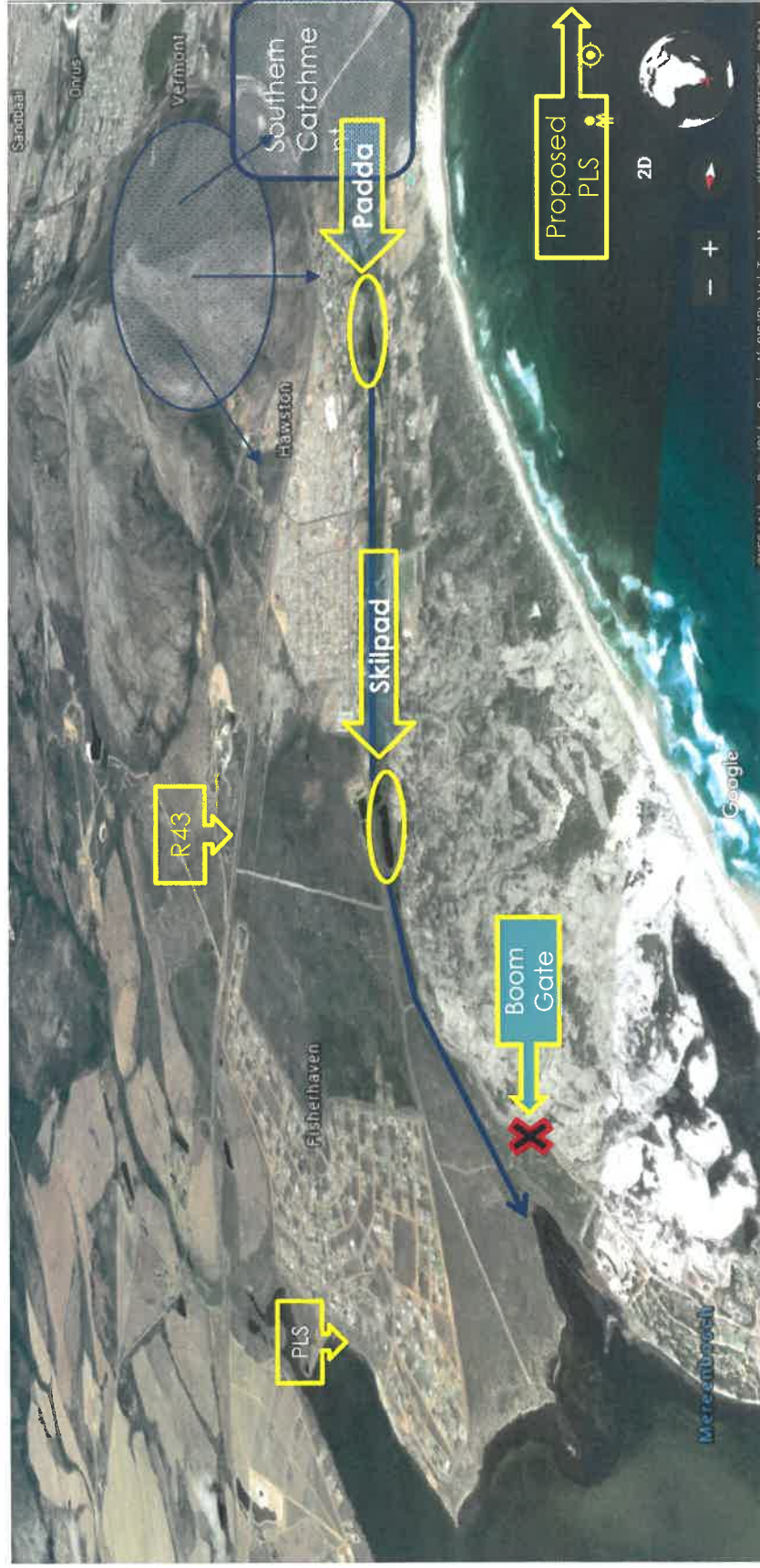
BETTER TOGETHER.

PADDA-/SKILPADSVLEI PROPOSAL REVIEW

Background: Approach

- 1. Report by Paddavlei Eco Group 'PEG' submitted by Hawston Development Association 'HDA';**
- 2. PEG Report: review and summary;**
- 3. Paddavlei: Storm-water EIA authorisation summary;**
- 4. Current insititutional initiatives/programmes;**
- 5. Way forward proposed**

Locality Map: Ward 8




PEG Proposal




PEG Proposal Summary

Aim	Method	Outcomes
Restore the Padda-Skilpadvlei Ecosystem	As proposed	Healthy functioning ecosystem and improved environment
Objectives	<p>Removal of alien and exotic plants from green belt and catchment areas;</p> <p>Remedial work to remove pollutants and debris</p> <p>A catchment grid to prevent debris from entering the ecosystem</p> <p>Adequate legal protection</p>	<p>Increased water flow to ecosystem</p> <p>Less competition for local plant species</p> <p>Cleaner environment</p> <p>More resilient ecosystem</p>
		Ensuring protection of greenbelt

Paddavlei Wetland

Issue	Cause	Recommendation
 <p>Reduced surface water of Paddavlei</p>	<ul style="list-style-type: none"> Severe reed growth on the NE & S ends of Paddavlei Severe infestation of Port Jackson in S Catchment 	<ul style="list-style-type: none"> Removal of Reeds In NE & S sides of the vlei Removal of P J in S Catchment
 <p>Severe stress on Milkwood trees</p>	<ul style="list-style-type: none"> Severe seepage water flow 	<ul style="list-style-type: none"> Eradicate alien species o increase water flow to the system
 <p>Debris & rubble polluting Paddavlei</p>	<ul style="list-style-type: none"> Reeds from Vlei Street storm water ditch was cleared, which acted as a filter to Paddavlei 	<ul style="list-style-type: none"> Design and install a catchment grid
		

Area between Padda- & Skilpadsvlei

issue	cause	recommendation
<p>Pollution</p> 	<ul style="list-style-type: none"> • Dumping of rubble and litter in Chapel Street extension 	<ul style="list-style-type: none"> • Remove rubble/litter & curb dumping; • Closure of portion of Chapel Street
<p>Diversion of natural water flow</p> 	<ul style="list-style-type: none"> • Drainage pipe which stretches from erf 53 to erf 288 in Marine drive; • Drainage pipeline below marine drive and sports field 	<ul style="list-style-type: none"> • Close drainage pipelines indicated as the cause of diversion; • Convert Chapel Street into an open Margrethe canal; • Build a raised pedestrian walkway over closed pipeline to allow access in wet conditions
<p>Reduced water flow</p> 	<ul style="list-style-type: none"> • Infestation of exotics and invasive species; • Retention ditches 	<ul style="list-style-type: none"> • Remove exotics; • Close retention ditches



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Pipeline from the sportsfield

ROUTE OPTION 1: HAWSTON SPORTS WATER



Skilpadsvlei to Bot

Issue	cause	recommendation
<p>Pollution</p>	<ul style="list-style-type: none"> Discontinued dump site still being used for dumping; Contamination from previous land use as dump 	<ul style="list-style-type: none"> Clean up area adequately; prohibit access to dump this area <p>Hawston Secondary School</p>



Greenbelt

Issue	Cause	Recommendation
Area has no protection status	GREENBELT	Formal protection required
Ecosystem imbalance	OPEN WATER BODIES Severe infestation of various invasive alien and exotic species	As covered in previous slides;

The urban area

issue	cause	Recommendation
Urban areas built in wetland area		
Storm water disposal limitations	Remaining narrow area of wetland above George Vijoen street limits the ability for storm water disposal	Gentle sloping open channel to carry seepage water and storm water to Skilpadsvlei



Paddavlei Storm-water EIA Summary

Storm Water System EIA Authorisation

File reference: E12/2/3/1 -E2/14-0123/06 -

- **The proposed construction of the Paddavlei storm water drainage system on erven 337 & 394, Hawston;**

Purpose of Application:

- **To manage urban storm water as required ito Schedule 4 Part B of the SA Constitution; (legal requirement)**
- **Was to manage flooding of road infrastructure and private residence in close vicinity to Paddavlei (impact management)**

Proposal included:

- **Excavation and Expansion of the Paddavlei from 1.86ha to 2.34ha;**
- **Construction of stabilised embankment & installation of a pipeline which ends in the dune system opposite the beach**

Authorisation Process:

- **(8/12/06) Notice of intent received by consultant;**
- **(20/12/06) Letter of acknowledgement sent by DEA&DP;**
- **(24/4/08) Status enquiry letter sent by DEA&DP;**
- **(12/5/08) Response to status letter received from consultant;**
- **(29/10/08) Application Form and BAR received from consultant;**
- **(11/11/08) Acknowledgment letter sent by DEA&DP;**
- **(11/12/08) Request for additional information letter sent by DEA&DP;**
- **(27/1/09) Additional information received from consultant;**
- **(30/3/09) Comment received from CapeNature;**
- **(23/4/09) EA issued;**
- **(15/5/09) Commencement notification received from consultant commencement date: 20/5/09;**
- **(21/09/12) Compliance letter sent;**
- **(02/11/12) Received Environmental Audit Report from consultant.**

Informants to the EIA

- **Basic Assessment Report;**
- **Botanical Assessment Report;**
- **Basic Wetland Assessment Report;**
- **CapeNature Inputs;**
- **Heritage Western Cape inputs**

Pipeline from the sportsfield



ROUTE_OPTION 1 : HAWSTON STORM WATER

Current Initiatives and Findings



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Current Biodiversity Classification



EPIP: Alien Clearing Plan

- **Environmental Protection and Infrastructure Programme ‘EPIP’ managed by the National Department: Environmental Affairs;**
- **OSM Alien Plan in process, due to be completed by end of 2017/18 cycle;**
- **Currently, service provider conducting field assessments (3 month assessment period):**
 - **Includes: species identification, densities, spread of aliens;**
- **Report to be written after assessment with a view to implement by 2018/2019- approximately June/July 2018.**

Proposed alien clearing at Paddavlei – through Working for the Coast



1 centimeter = 105 meters

WfC Alien Clearing Hawston



Coastal Protection Zone



THANK YOU
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