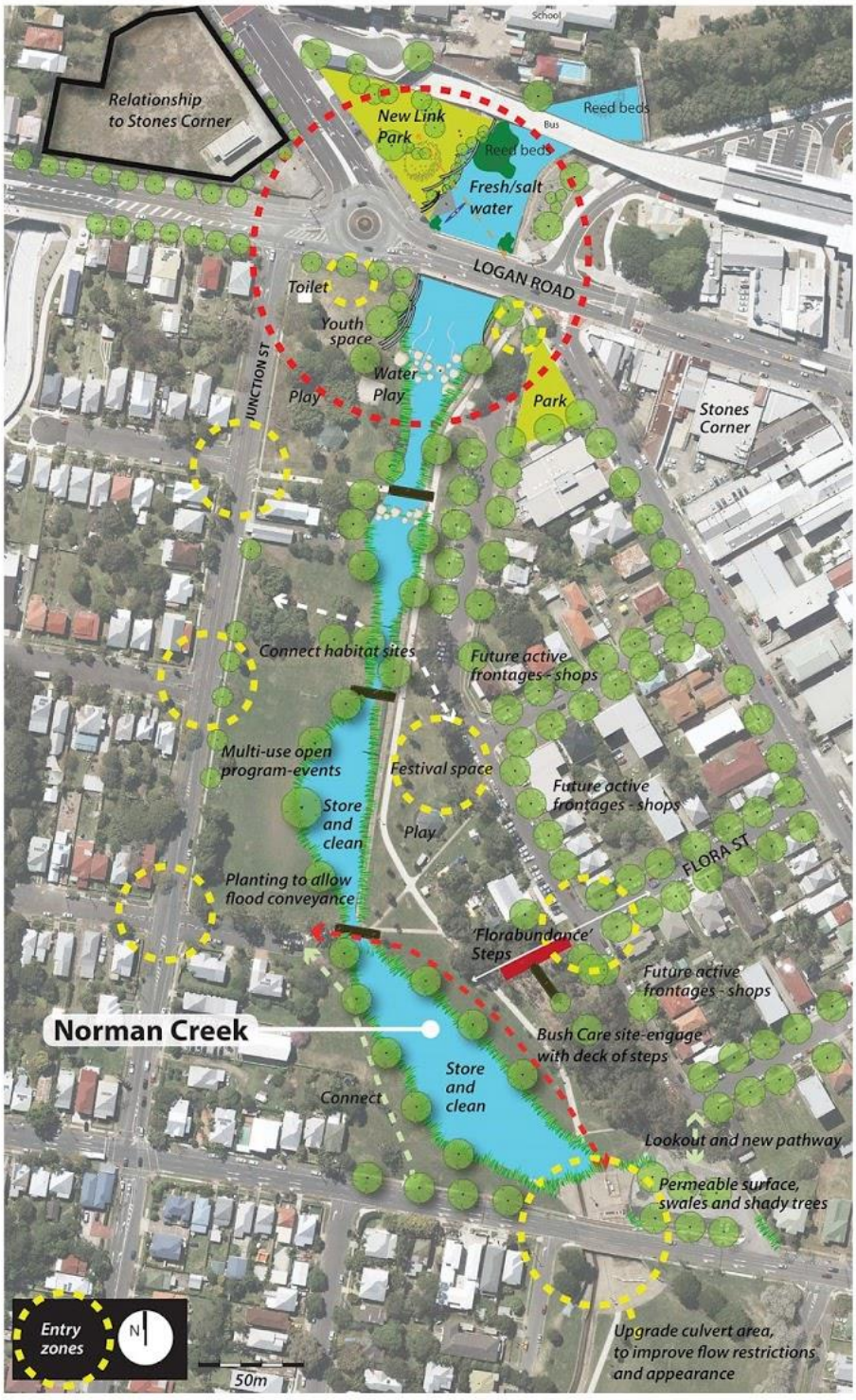
HANLON PARK • STONES CORNER
DRAFT STRATEGIC PLAN

NORMAN CREEK CATCHMENT GROUP
A COMMUNITY'S STRATEGIC VISION FOR ITS FUTURE

A PLACE THAT CELEBRATES WATER



Norman Creek in Hanlon Park

Existing concrete channel: Norman Creek

Healthy ecosystem: goal s
Connect catchment ecosystems and ensure water remains healthy as it enters and moves through the catchment.

to this

Trees space for flood conveyance,walls can be parallel to flow,strappy plants(lomandra longifolia flatten down in flood,aquatic plant zones clean water for wildlife corridors

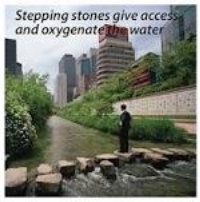
Living with Brisbane's climate: goals
Design homes, buildings, streets and neighbourhoods with water in mind so they are resilient, even during times of drought and flood.

Recreation & activity:
Improve the accessibility and diversity of open space areas and create sport and recreation activities to meet the needs of a growing community.

Connected communities:
Strengthen community connections to history, place, activities and services within the catchment.

waterpark *celebrate water*

An ecological network including Norman Creek restored, a place that the community can immerse in an environment that celebrates water.The phenomena of flood and drought expressed and a place that is resilient to these , the formal expression of climate change adapdability including sea level rise, a place to learn. Circulation networks for cyclists and pedestrians; well lit, separated and playspaces upgraded including new waterplay space associated with Norman Creek. Series of decks to engage with the creek; open program community spaces, new entry zones. Features and form should take their design from the function as an altered floodway and Norman Creek riparian.



Planting Strategy

Supportive of a broad range of improved ecological outcomes and include: zones..perennial water planting zones, ephemeral water zones, dry zones (upper bank) aquatic spp zones, shrubs, tree..all with a specific purpose for ecology. It should ***MIMIC*** the aquatic, riparian and upslope riparian zone of a natural system and be designed to include zones for immersive educational experiences and close encounters with water systems,flood,drought,urban creek ecology and climate change adapdability !

REFERENCES

Land for Wildlife,Note no.17,March 2002.*Mangaing and Rehabilitating Riparian Vegetation*
Warringah Council Policy.Policy No.PL 740 Waterways.Protection of Waterways and Riparian Land Policy
Miller &Boulten(2005)*Managing and Rehabilitating ecosystem processes in regional urban streams in Australia*
Lello & Cook(March1999)Best Practice Stream Design:Table 1. Assessment of approaches to stream design with best practice criteria
Bishan Park Singapore:An urban Creek successfully restored
Slacks Creek Revitalisation Plan:Logan City Council. 2013

This Draft Strategic Plan,sheet 1 and 2 dated 25.4.2013 has been developed by the Norman Creek Catchment Group, a not-for-profit community organisation. The concept design requires hydraulic study and underground services located.

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Introduction

Hanlon Park at Stones Corner is to be developed by Brisbane City Council as part of the Norman Creek 2031 Masterplan. Hanlon Park includes a local Creek - Norman Creek - a channelised creek at this location. The Group recommends the Creek be restored using natural channel design. The Norman Creek Catchment Coordinating Committee (N4C) provides initial input to the BCC project team in the form of early DRAFT strategic planning ideas as follows:

Goals

The plan can deliver on the four BCC goals of the Norman Creek 2031 Masterplan as follows:

"Local creeks, streams and lakes are irreplaceable as recreational spaces and critical components of local and regional ecosystems, they sustain life!"

Graham Quirk
Lord Mayor
Brisbane

"Local Creeks Are Critical"

THEY SUSTAIN LIFE...

Staged strategy up to 2031 from Pacific Motorway through Stones Corner for Norman Creek

Healthy ecosystem:
Connect catchment ecosystems and ensure water remains healthy as it enters and moves through the catchment.

Connection of all creeks within the Norman Creek Catchment by connecting all riparian corridors with new plantings. A whole of catchment approach is recomended, vegetated riparian corridors will filter urban runoff and provide habitat for native animals. For the water to remain healthy as it enters and moves through Norman Creek at Hanlon Park it would need to be treated at multiple scales. Firstly, via WSUD treatments such as rain gardens and bioswales at many locations through the existing, piped, urban stormwater system within the catchment (point source) and within the whole area between the Pacific Motorway and Stones Corner, as a chain of detention basins. Run-off from the fertilised sporting fields could be filtered through vegetated swales prior to entering Norman Creek. With all of the concrete removed and replaced with natural channel design as per BCC "NATURAL CHANNEL DESIGN GUIDELINES" informed by hydraulic modelling.

Healthy Ecosystems = healthy people and are places where people want to invest, live and play in...

Living with Brisbane's climate:
Design homes, buildings, streets and neighbourhoods with water in mind so they are resilient, even during times of drought and flood.

New buildings and homes in the catchment can include roof and rain gardens and ways to detain and clean water. In times of drought these alternative water supplies can support shady sun-tropical plantings and new strategies can inform design for flood events. New tactics can ensure a resilient water landscape that responds to increased population growth in this area and future climate change.
Flood impacts downstream can be reduced by holding water in strategic locations in the upper catchments. These areas like Mott Creek, can be multiplied throughout the catchment.

Design for our sub-tropical climate, flood, drought, climate change - the new forms are generated by these elements...

Connected communities:
Strengthen community connections to history, place, activities and services within the catchment.

Through new interpretive signage and wayfinding tools to tell the story from pre-colonial times to present by engagement with the traditional land owners and the history of altering the floodplain over time. New spatial arrangements and programes are required to trigger relationships with and through the area. The program of Hanlon Park will always be open to convey water and can now include flood-sensitive plantings and new infrastructure. Tell the story of removing the concrete channel and replacing it with new **GREEN INFRASTRUCTURE revealing Norman Creek ...**

GREEN INFRASTRUCTURE revealing Norman Creek ... It's a great story !!!

Recreation & activity:
Improve the accessibility and diversity of open space areas and create sport and recreation activities to meet the needs of a growing community.

To support a range of new dynamic activities that include a community festival space, unprogramed open play, youth space, toilets, new separated and dedicated pedestrian and cycle paths, improved flood-resistant creek connections, linked by a circulation network that provides new opportunities to engage with water.Water play could feature prominently with natural play elements connecting children to the creek environment.

Diverse, unprogrammed, open space options, freely available to all the community in Hanlon Park; a unique opportunity to celebrate water by revealing Norman Creek here.

Remove concrete channel from Pacific Motorway through past Logan Road recharges groundwater, supports revegetation, improves water quality, looks better, healthier for the community and provides fresh water supply for animals.

WSUD treatments to meet required water quality standards, natural channel design. Under flood conditions the water moves directly over the grassed areas.

Hold and clean water

Flood impacts downstream can be reduced by ***holding water in strategic locations in the upper catchments***. These areas, such as Mott Creek, can be multiplied throughout the upper catchment.

1. Sandy Creek Tarragindi
2. Norman Creek Greenslopes
3. Mott Creek Holland Park
4. Ekibin Creek Tarragindi
5. Glindeman Creek Holland Park
6. Glindeman Creek Holland Park
7. Ekibin Creek Holland Park West

Connection of all creeks through continuous riparian plantings for fauna movements and water quality improvements

Quirk, G. (June,2011, p. 3). Brisbane City Council, Norman Creek 2026 Draft Vision and Concept Plan.

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