



Government of Western Australia
Department of Environment and Conservation

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RECORDS DEPARTMENT
CITY OF CANNING
REC'D 17 MAR 2011
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Dear Matt

RE: REQUEST TO MODIFY THE GEOMORPHIC WETLANDS SWAN COASTAL PLAIN DATASET FOR QUEENS PARK REGIONAL OPEN SPACE, QUEENS PARK (WETLAND UFI 7490)

I refer to your correspondence dated 30 November 2010 requesting modification to the *Geomorphic Wetlands Swan Coastal Plain* dataset ('dataset') for the Resource Enhancement management category wetland UFI 7490 located in Queens Park Regional Open Space (Figure 1). The Department of Environment and Conservation (DEC) Wetlands Section has reviewed the information submitted and provides the following assessment of your request.

Wetland Management Category Assessment

Two areas of UFI 7490 support important biophysical values, attributes and functions which should be maintained and protected and therefore will remain mapped as Resource Enhancement management category within the dataset. The areas are the south-west portion of the Maniana bushland and the vegetated portion on Gibbs Road (Figure 2).

The remaining cleared portion of wetland UFI 7490 does not support important biophysical values, attributes and functions which should be maintained and protected and therefore will be assigned a Multiple Use management category within the dataset (Figure 2). The remaining vegetated portion of UFI 7490 does not support wetland characteristics, as outlined below.

During the site assessment DEC recorded the vegetation of UFI 7490 as being of Degraded to Good condition in accordance with *Bush Forever* vegetation condition scale (Government of Western Australia 2000). The two portions to remain mapped as Resource Enhancement management category support wetland species including *Melaleuca preissiana*, *Astartea* sp. and *Kunzea glabrescens* (Maniana bushland portion); and *M. preissiana* and *Eucalyptus rudis* (Gibbs Street portion).

This vegetation is mapped as Southern River complex (Hedde *et al.* 1980), of which only 19.8% remains intact on the Swan Coastal Plain (WALGA 1994). The wetland areas are unlikely to be part of a significant ecological linkage, however the broader area may act as a refuge for isolated fauna.

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Wetland Classification Assessment

The remaining vegetated portion of wetland UFI 7490 in Maniana bushland does not support wetland attributes and functions and accordingly the classification will be modified from dampland to 'no longer a wetland' and the area will be assigned a management category of Not Applicable within the dataset (Figure 2).

The area was observed, on site visit, as being commensurate with dryland as it supports vegetation indicative of dryland in this setting, such as *Banksia menziesii*, *B. attenuata* and *Eucalyptus marginata*, and two dryland TECs (Queens06 and Queens07). It is topographically higher in the landscape (the low lying portions and areas where groundwater is closest to the surface occur in the south west portion of Maniana bushland) and supports surface grey sands that are considered unlikely to be hydric soils.

DEC Wetlands Section considers that the mapped wetland boundary does not correspond with wetland vegetation cover and topography and will be modified in the dataset to exclude the central, northern and western portion of Maniana bushland (Figure 2). The classification of this portion of wetland UFI 7490 will therefore be modified from dampland to 'no longer a wetland' in the dataset and its management category will be modified to Not Applicable (Figure 2).

Please refer to Guidance Statement No. 33: *Environmental guidance for planning and development* (EPA 2008) for further information on planning and development in the vicinity of Resource Enhancement management category wetlands and their appropriate wetland buffer requirements.

The dataset will be updated accordingly. Please contact Environmental Officer Christina Denton on 9219 8763 if you require further information on this matter.

Yours sincerely,



Justine Lawn
A/Principal Coordinator
Wetlands Section
8 March 2011

ENC: Figure 1: Map illustrating current mapping in the *Geomorphic Wetland Swan Coastal Plain* dataset for Queens Park Regional Open Space, Queens Park.
Figure 2: Map illustrating modifications to the *Geomorphic Wetland Swan Coastal Plain* dataset for Queens Park Regional Open Space, Queens Park.

References:

Department of Environment and Conservation 2008, *Geomorphic Wetlands Swan Coastal Plain dataset*. Department of Environment and Conservation, Perth.

Government of Western Australia 2000, *Bush Forever Volume 2: Directory of Bush Forever Sites*, Department of Environmental Protection, Perth.

Western Australian Local Government Association, 1994, *Local Government Biodiversity Planning Guidelines for the Perth Metropolitan Region*, WALGA, Perth

Environmental Protection Authority 2008 *Environmental guidance for planning and development*: Guidance Statement No. 33. Environmental Protection Authority. Perth.

Current mapping for Queens Park Regional Open Space (mngt cat)



FOUR 1A

LEGEND

- Road Centrelines
- Swan Coastal Plain Centreline 20cm
- Orthometric - Landgate 2009
- Geomorphic Wetlands (Classification), Swan Coastal Plain, 1
- Conservation
- Native Use
- Not Applicable
- Not Assessed
- Resource Enhancement



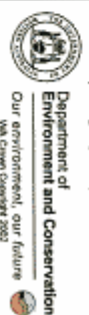
Scale 1:4940
(Approximate when reproduced at Letter)

Geocentric Datum Australia 1994

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Prepared by: cshs/ndade
Prepared for:
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Current wetland mapping for Queens Park Regional Open Space (class'n)



LEGEND

- Road Centrelines
- Swan Coastal Plain Central 20cm Orthometric - Lamgate 2009
- Geomorphic Wetlands (Classification), Swan Coastal Plain
- Artificial Channel
- Creek
- Dryland
- Dryland
- Estuary-Dependent
- Estuary-Wetland
- Floodplain
- Lake
- No Longer a Wetland
- Not Assessed
- Paludine
- Peatlands
- River
- Standard

Scale 1:4940
 (Approximate when reproduced at 1:6000)

Geocentric Datum Australia 1994

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FIGURE 1B

Proposed modifications for Queens Park Regional Open Space (mgt cat)



- LEGEND**
- Road Centrelines
 - Swan Coastal Plain, Central Ocean Orthomosaic - Landsat 2009
 - Geomorphic Wetlands (Classification), Swan Coastal Plain_1
 - Conservation
 - Not Applicable
 - Not Assessed
 - Resource Enhancement



Geoscientific Datum Australia 1994
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 Prepared by: christie
 Prepared for:
 Date: 3/3/2011 4:21:50 PM

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FIGURE 2A

Proposed modifications for Queens Park Regional Open Space (class'n)



<p>LEGEND</p> <ul style="list-style-type: none"> Road Centrelines Swan Coastal Plain Central 20cm Orthomosaic - Landgate 2009 Geomorphic Wetlands (Classification), Swan Coastal Plain Artificial Channel Artificial Lake Creek Dampland Dryland Estuary-Perennial Estuary-Intermittent Freshwater Lake No Longer a Wetland Salt Marshland Palustrine Potamoplath River Shrubland 	<p>Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.</p> <p>Department of Environment and Conservation Our environment, our future WA Coast, Copyright 2002</p>
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FIGURE 28