

Help save the Duffys Forest Ecological Community in the Sydney Basin Bioregion

Conservation status in NSW: Endangered Ecological Community

Commonwealth status: N/A

Saving our Species management stream: Ecological community (range-restricted)

Community profile:

<http://www.environment.nsw.gov.au/threatenedspeciesapp/profile.aspx?id=10254>

The Saving our Species program aims to conserve threatened species and ecological communities in the wild in NSW in the long term. The project was developed by experts who have identified a minimal set of priority management sites for this community across its distribution, soils and altitudinal range, to be representative of its structure and composition. Experts have identified on-ground critical management actions to address threats at each site.

Ten priority management sites have been identified in NSW (ordered north to south). They are:



- Bilgola Plateau in Northern Beaches LGA
- Duffys Forest in Northern Beaches LGA
- Hornsby in Hornsby LGA
- Ingleside_Terrey Hills in Northern Beaches LGA
- Ku-ring-gai in Ku-Ring-Gai; Northern Beaches LGAs
- Belrose_Oxford Falls in Northern Beaches LGA
- Davidson High School/Minosa Public School in Northern Beaches LGA
- Golden Grove Park in Northern Beaches LGA
- Manly Dam in Northern Beaches LGA
- Royal in Sutherland LGA

More information about each site is provided on the following pages.

All conservation work being undertaken to conserve the Duffys Forest Ecological Community in the Sydney Basin Bioregion around the state is vital to its recovery. If you are carrying out critical management actions within the ecological community, please let us know at www.environment.nsw.gov.au/savingourspecies/contactus.htm.

Map of Duffys Forest Ecological Community in the Sydney Basin Bioregion distribution and priority management sites

Legend

-  Community distribution
-  Priority management site

Indicative community distribution is mapped as sub-regions where the ecological community is known to occur.

Priority management sites are required for meeting the security objective for SoS-managed ecological communities.




Site 1: Bilgola Plateau

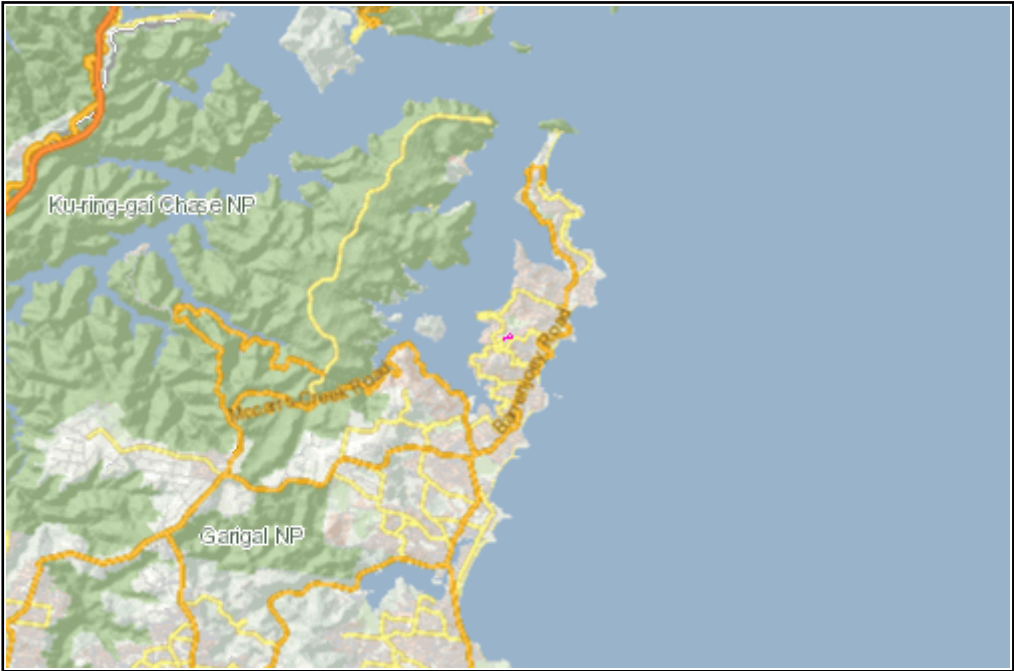
Bushland Reserve Plateau Park, Bilgola Plateau being Smith and Smith mapped area 1. Bigola Plateau is the easternmost occurrence of Duffys Forest.

Total site area (ha): 1.90

LGA: Northern Beaches

Management site map

Legend
 Priority management site



Management activities to protect the Duffys Forest Ecological Community in the Sydney Basin Bioregion at the site

| Threat name | Objective | Action |
|---------------------------|--|----------------------------|
| Mixed weeds | Reduce and maintain weed densities at low levels | Install informative signs |
| Mixed weeds | Reduce and maintain weed densities at low levels | Site-based weed control |
| Inappropriate fire regime | Maintain appropriate fire regime for the species/community | Land manager co-ordination |

Monitoring actions

Regular monitoring of the threatened ecological community’s extent and condition on the site will be conducted to determine trends through time. The extent and severity of threats will also be monitored to assess the effectiveness of management actions. Management actions will be adapted, added or removed over time in response to monitoring results, based on maximising the project’s effectiveness.

Site 2: Duffys Forest

Duffys Forest area including Smith and Smith mapped areas 23, 24, 25, 26 , 27 and part of 16. This site includes Kinka Reserve, New South Wales Gun Club, Ku-ring-gai Chase National Park, Austinlink Corporate Park, and Duffys Forest surrounding Durumbil and Eurabba Roads.


Total site area (ha): 105

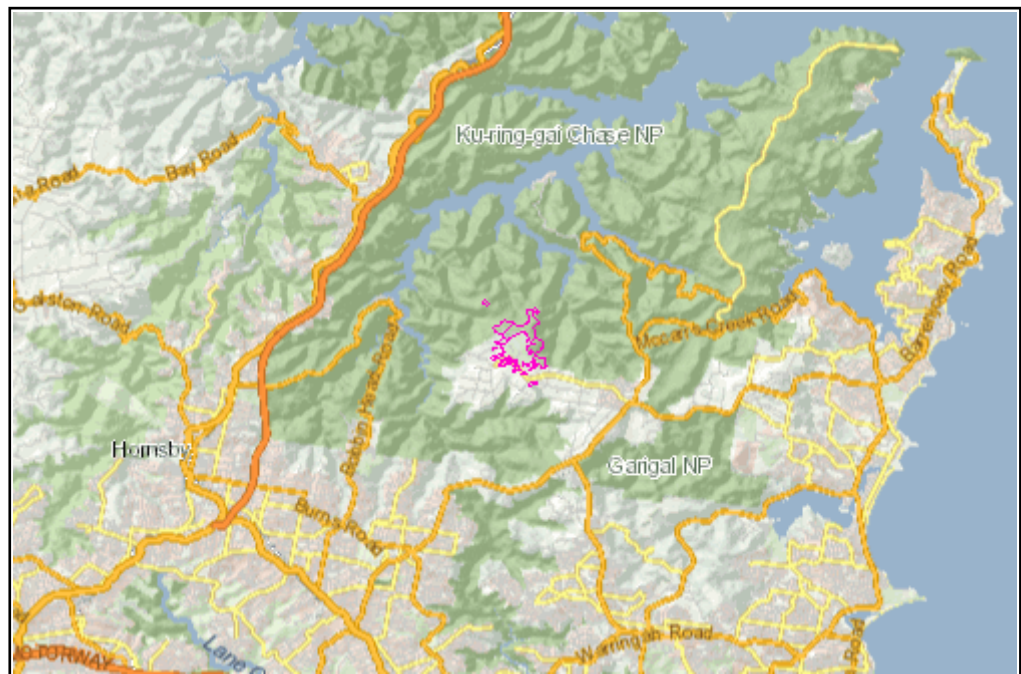
LGA: Northern Beaches

NPWS reserve: Ku-Ring-Gai Chase National Park

Management site map

Legend

 Priority management site



Management activities to protect the Duffys Forest Ecological Community in the Sydney Basin

Bioregion at the site

| Threat name | Objective | Action |
|---|---|---------------------------------------|
| Mixed weeds | Reduce and maintain weed densities at low levels | Site-based weed control |
| Inappropriate fire regime | Maintain appropriate fire regime for the species/community | Land manager co-ordination |
| Phytophthora | Investigate presence/susceptibility/effects of the disease | Population and threat assessment |
| Phytophthora | Minimise spread of disease within the site | Barrier/fence installation |
| Phytophthora | Minimise spread of disease within the site | Community education |
| Phytophthora | Minimise spread of disease within the site | Install informative signs |
| Rural/residential/industrial development | Improve and maintain connectivity and extent of available habitat | Negotiate land management agreement/s |
| Trampling by domestic or feral herbivores | Reduce the frequency/intensity of grazing | Land manager consultation |

Monitoring actions

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Site 3: Hornsby

The site includes the eastern end of Malton Road being Smith and Smith mapped area 33. Bushland east of Quarter Session Road, Westleigh. Duffys Forest in and surrounding the suburb of Cowan, and Duffys Forest surrounding Carters Road in Dural.


Total site area (ha): 20

LGA: Hornsby

NPWS reserve: Berowra Valley National Park; Lane Cove National Park

Management site map

Legend

 Priority management site



Management activities to protect the Duffys Forest Ecological Community in the Sydney Basin

Bioregion at the site

| Threat name | Objective | Action |
|---|---|---------------------------------------|
| Mixed weeds | Reduce and maintain weed densities at low levels | Site-based weed control |
| Rural/residential/industrial development | Improve and maintain connectivity and extent of available habitat | Negotiate land management agreement/s |
| Inappropriate fire regime | Maintain appropriate fire regime for the species/community | Land manager co-ordination |
| Phytophthora | Investigate presence/susceptibility/effects of the disease | Population and threat assessment |
| Phytophthora | Minimise spread of disease within the site | Community education |
| Phytophthora | Minimise spread of disease within the site | Install informative signs |
| Trampling by domestic or feral herbivores | Reduce the frequency/intensity of grazing | Land manager consultation |
| Disturbance from recreational users | Minimise impacts of recreational activities | Barrier/fence installation |
| Disturbance from recreational users | Minimise impacts of recreational activities | Community education |
| Disturbance from recreational users | Minimise impacts of recreational activities | Increased staff surveillance |
| Disturbance from recreational users | Minimise impacts of recreational activities | Install informative signs |

Monitoring actions

Regular monitoring of the threatened ecological community's extent and condition on the site will be conducted to determine trends through time. The extent and severity of threats will also be monitored to assess the effectiveness of management actions. Management actions will be adapted, added or removed over time in response to monitoring results, based on maximising the project's effectiveness.

Site 4: Ingleside_Terrey Hills


Site includes Ingleside to Terrey Hills areas primarily in the area of Mona Vale Road: mapped areas identified in Smith and Smith (02, 17, 18, 19, 20, 21, 22, and including part of area 16, i.e. the top polygon from the corner of Mona Vale Road and Forest Road). The site also includes a strip along Forest Road identified in the Sydney Metropolitan Area mapping.

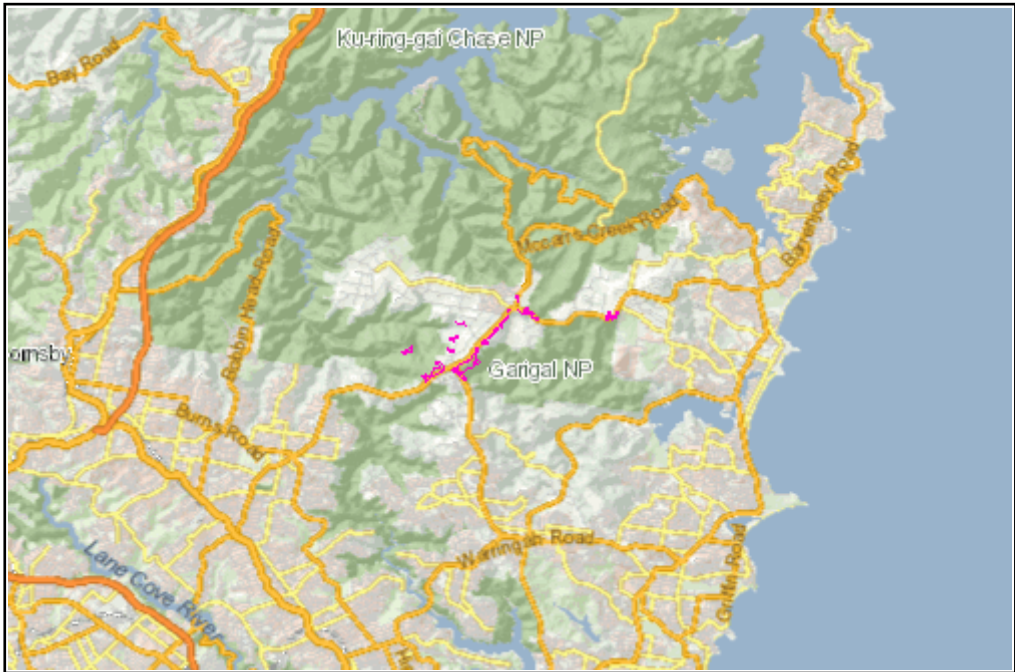
Total site area (ha): 50

LGA: Northern Beaches

NPWS reserve: Garigal National Park; Ku-Ring-Gai Chase National Park

Management site map

Legend
 Priority management site



Management activities to protect the Duffys Forest Ecological Community in the Sydney Basin

Bioregion at the site

| Threat name | Objective | Action |
|-------------------------------------|--|----------------------------------|
| Mixed weeds | Reduce and maintain weed densities at low levels | Site-based weed control |
| Disturbance from recreational users | Minimise impacts of recreational activities | Barrier/fence installation |
| Disturbance from recreational users | Minimise impacts of recreational activities | Community education |
| Disturbance from recreational users | Minimise impacts of recreational activities | Install informative signs |
| Inappropriate fire regime | Maintain appropriate fire regime for the species/community | Land manager co-ordination |
| Inappropriate fire regime | Maintain appropriate fire regime for the species/community | Population and threat assessment |
| Phytophthora | Minimise spread of disease within the site | Barrier/fence installation |
| Phytophthora | Minimise spread of disease within the site | Community education |
| Disturbance due to infrastructure | Minimise the impact of on-site infrastructure | Install informative signs |
| Disturbance due to infrastructure | Minimise the impact of on-site infrastructure | Land manager consultation |
| Hydrological disturbance | Maintain suitable drainage / hydrological regime | Land manager negotiation |

Monitoring actions

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Site 5: Ku-ring-gai

St Ives Showground and Acron Oval being Smith and Smith mapped areas 4 and 5, and Hassell Park identified in CVA mapping.

Total site area (ha): 36

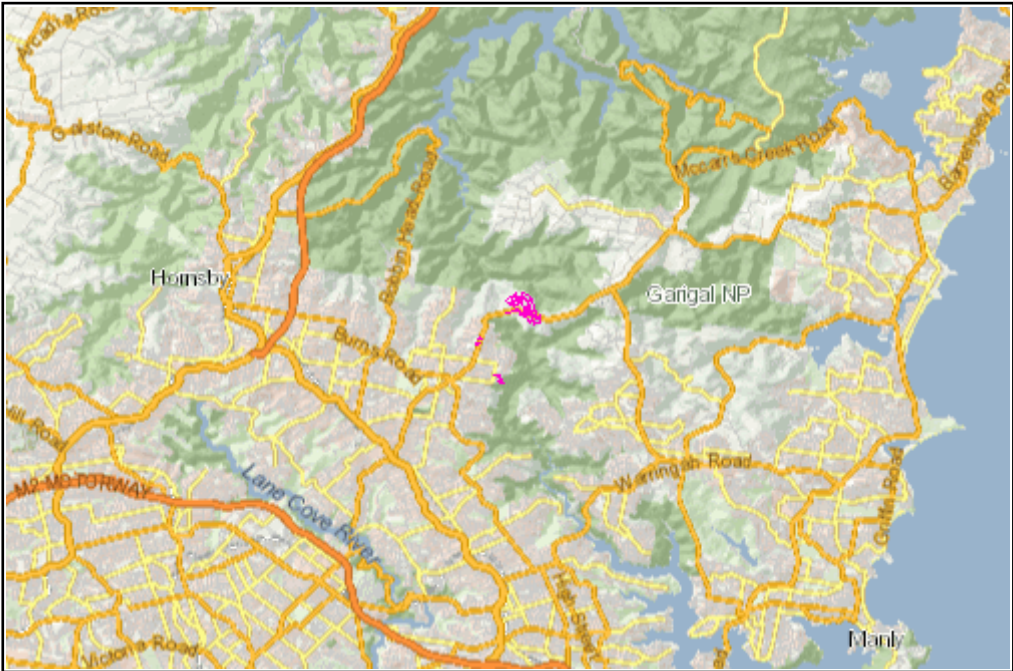
LGA: Ku-Ring-Gai; Northern Beaches

NPWS reserve: Garigal National Park; Ku-Ring-Gai Chase National Park

Management site map

Legend

Priority management site



Management activities to protect the Duffys Forest Ecological Community in the Sydney Basin

Bioregion at the site

| Threat name | Objective | Action |
|-------------------------------------|---|----------------------------|
| Hydrological disturbance | Maintain suitable drainage / hydrological regime | Land manager negotiation |
| Inappropriate fire regime | Maintain appropriate fire regime for the species/community | Land manager co-ordination |
| Disturbance from recreational users | Minimise impacts of recreational activities | Barrier/fence maintenance |
| Disturbance from recreational users | Minimise impacts of recreational activities | Install signage |
| Mixed weeds | Reduce and maintain weed densities at low levels | Site-based weed control |
| Habitat fragmentation | Improve and maintain connectivity and extent of available habitat | Barrier/fence installation |

Monitoring actions

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Site 6: Belrose_Oxford Falls

Surrounding old Belrose Quarry between Linden and Wyatt Avenue, Duffys Forest near Morgan Fire Trail, and the eastern side of Forest Way opposite Bundaleer Street as identified in Smith and Smith mapped areas 13, 14, and 15.

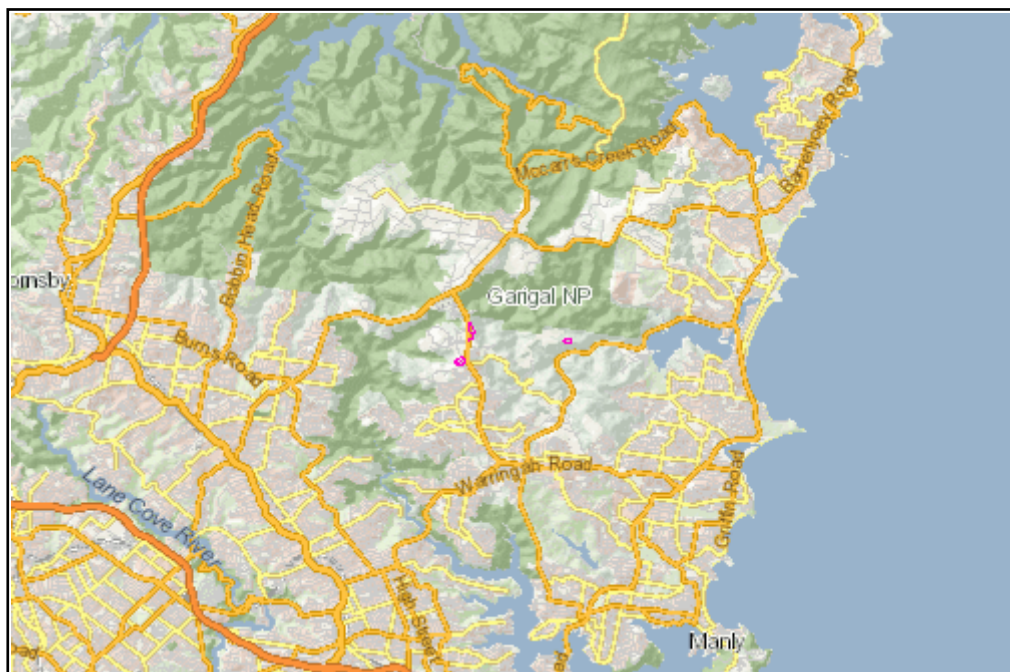
Total site area (ha): 11

LGA: Northern Beaches

Management site map

Legend

 Priority management site



Management activities to protect the Duffys Forest Ecological Community in the Sydney Basin

Bioregion at the site

| Threat name | Objective | Action |
|---|---|---------------------------------------|
| Mixed weeds | Reduce and maintain weed densities at low levels | Site-based weed control |
| Disturbance from recreational users | Minimise impacts of recreational activities | Barrier/fence installation |
| Disturbance from recreational users | Minimise impacts of recreational activities | Community education |
| Disturbance from recreational users | Minimise impacts of recreational activities | Increased staff surveillance |
| Disturbance from recreational users | Minimise impacts of recreational activities | Install informative signs |
| Inappropriate fire regime | Maintain appropriate fire regime for the species/community | Land manager co-ordination |
| Rural/residential/industrial development | Improve and maintain connectivity and extent of available habitat | Negotiate land management agreement/s |
| Trampling by domestic or feral herbivores | Reduce the frequency/intensity of grazing | Land manager consultation |

Monitoring actions

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Site 7: Davidson High School/Minosa Public School

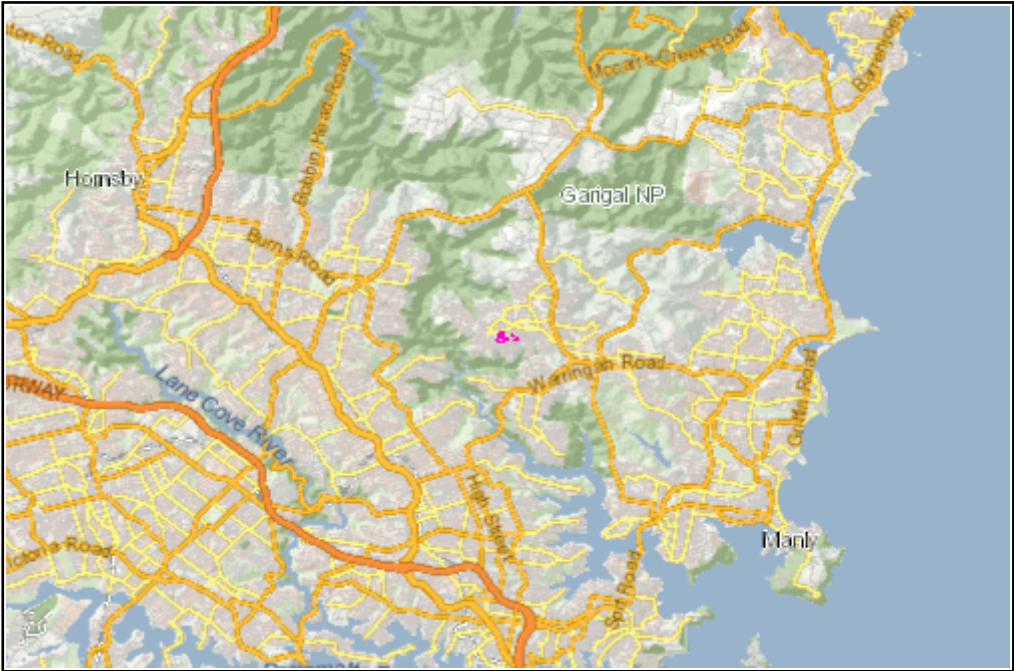
Davidson High School and Mimosa Public School grounds, including Kens Road Reserve associated with Smith and Smith mapped area 9.

Total site area (ha): 5.22

LGA: Northern Beaches

Management site map

Legend
 Priority management site



Management activities to protect the Duffys Forest Ecological Community in the Sydney Basin

Bioregion at the site

| Threat name | Objective | Action |
|---------------------------|--|-------------------------|
| Mixed weeds | Reduce and maintain weed densities at low levels | Site-based weed control |
| Inappropriate fire regime | Maintain appropriate fire regime for the species/community | Fire planning |

Monitoring actions

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Site 8: Golden Grove Park

The site consists of Golden Grove Park, Beacon Hill; covered by Smith and Smith mapped area 8.

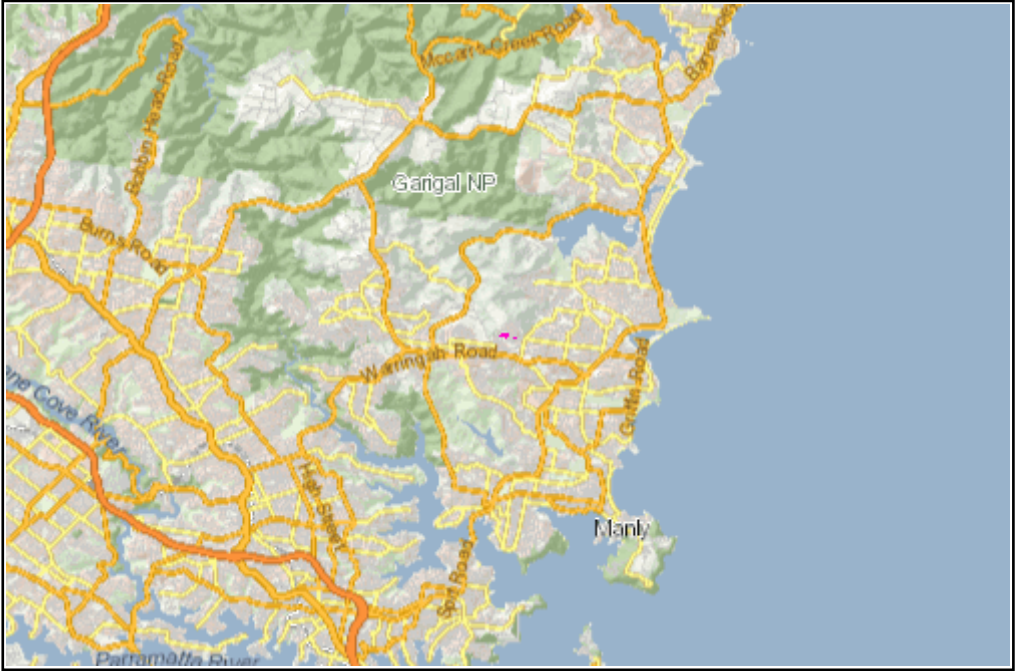
Total site area (ha): 1.87

LGA: Northern Beaches

Management site map

Legend

 Priority management site



Management activities to protect the Duffys Forest Ecological Community in the Sydney Basin

Bioregion at the site

| Threat name | Objective | Action |
|---------------------------|--|----------------------------|
| Mixed weeds | Reduce and maintain weed densities at low levels | Site-based weed control |
| Inappropriate fire regime | Maintain appropriate fire regime for the species/community | Land manager co-ordination |

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Site 9: Manly Dam

Site is located at Manly Dam and is identified in Smith and Smith mapped areas 4 and 5.

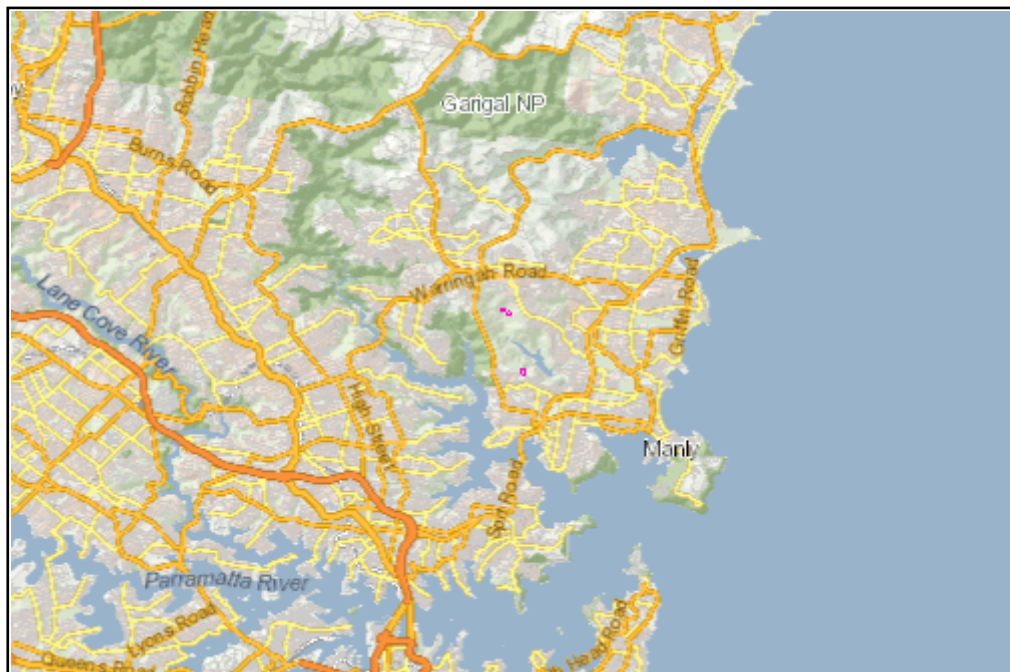
Total site area (ha): 4.45

LGA: Northern Beaches

Management site map

Legend

 Priority management site



Management activities to protect the Duffys Forest Ecological Community in the Sydney Basin

Bioregion at the site

| Threat name | Objective | Action |
|-------------------------------------|--|----------------------------------|
| Mixed weeds | Reduce and maintain weed densities at low levels | Site-based weed control |
| Inappropriate fire regime | Maintain appropriate fire regime for the species/community | Land manager co-ordination |
| Inappropriate fire regime | Maintain appropriate fire regime for the species/community | Population and threat assessment |
| Disturbance from recreational users | Minimise impacts of recreational activities | Barrier/fence installation |
| Disturbance from recreational users | Minimise impacts of recreational activities | Community education |
| Disturbance from recreational users | Minimise impacts of recreational activities | Increased staff surveillance |
| Disturbance from recreational users | Minimise impacts of recreational activities | Install informative signs |

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Site 10: Royal


Sydney Metropolitan Area mapping of Duffys Forest located in Royal National Park

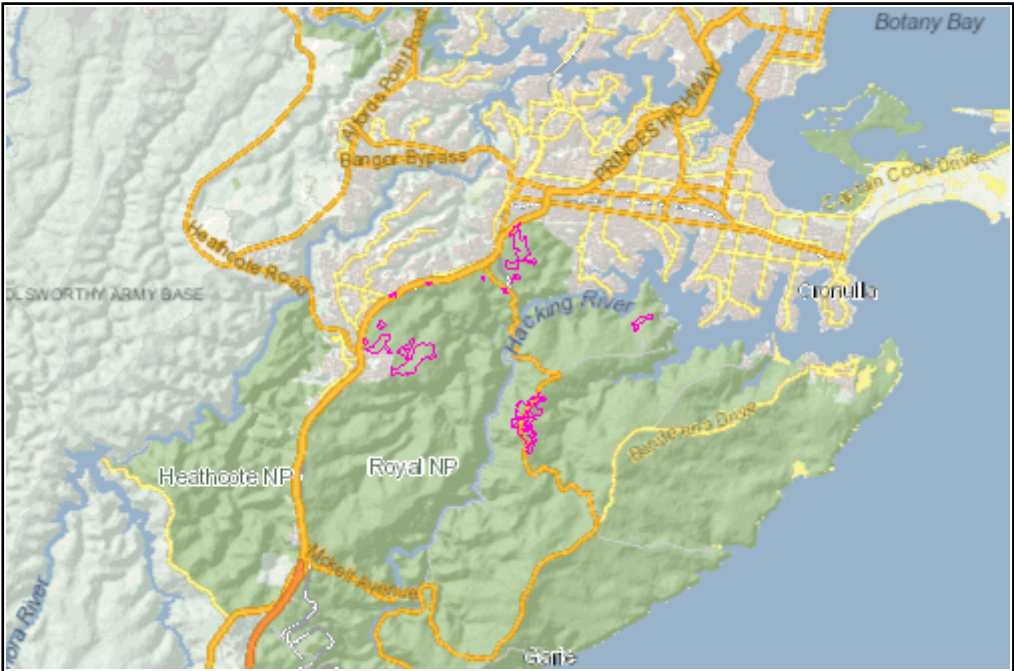
Total site area (ha): 208

LGA: Sutherland

NPWS reserve: Royal National Park

Management site map

Legend
 Priority management site



Management activities to protect the Duffys Forest Ecological Community in the Sydney Basin

Bioregion at the site

| Threat name | Objective | Action |
|---------------------------|--|----------------------------------|
| Inappropriate fire regime | Maintain appropriate fire regime for the species/community | Population and threat assessment |

Monitoring actions

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Are you helping to save threatened ecological communities?

Find out more about our program - visit <http://www.environment.nsw.gov.au/savingourspecies>

Tell us about the work you’re doing - visit <http://www.environment.nsw.gov.au/savingourspecies/tellusaboutyourwork.htm>

Published on 26-Jun-2017