

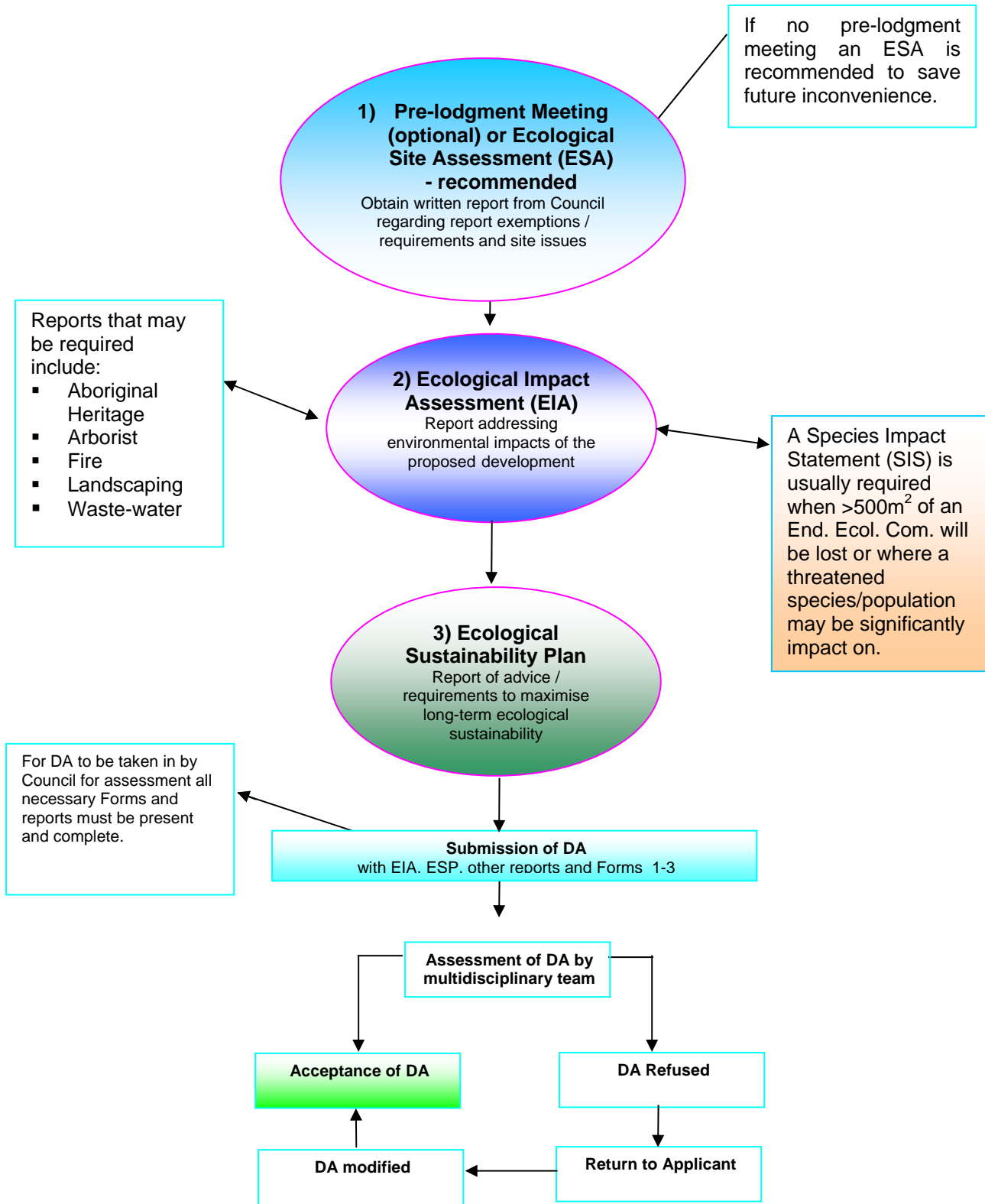
**INFORMATION AND TEMPLATES  
FOR WRITING  
ENVIRONMENTAL REPORTS  
INCLUDING  
ECOLOGICAL SUSTAINABILITY PLANS  
IN THE  
PITTWATER COUNCIL LGA**

Prepared by the Natural Resources Unit  
Pittwater Council  
August 2004

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## What to do and when



## **Background**

Development or activities covered by Pittwater 21 Control Documents B4.1 to B4.18 require supporting documents. Following are the steps to take when submitting a DA, the documents required, descriptions of those documents who is qualified to undertake them and document templates for use.

## **Pre-Lodgement Meeting**

### **Pre-lodgement Meeting–What is it and why is it required?**

A pre-lodgement meeting is a meeting with Council Staff from the Natural Resources Unit and, where relevant, from other Units of Council. This meeting will save applicants time and money by providing site-specific information up-front about what studies are required prior to lodging the DA. Form 1a in Appendix 1 is an example of the pre-lodgement form.

The reason for the plan is to consider ecological issues before design work takes place. This can save time and possibly money as developments that are planned while taking the environmental issues into consideration are more likely to comply.

The site-specific pre-lodgement meeting will also provide the applicant with an ecological risk assessment of the site. The risk assessment indicates what type of risk (high, medium, low) is associated with specific issues or areas of the site. An example of the risk assessment, Form 1b is shown in Appendix 1.

Pre-lodgement meetings are optional but highly recommended. Without a pre-lodgement meeting the applicant is required to submit all studies relating to the site.

## **Ecological Site Assessment (ESA) - (note: esa's are recommendations only)**

### **Ecological Site Assessment –What is it and why is it required?**

An Ecological Site Assessment is a **recommended** site assessment to determine environmental issues prior to designing a development. An ecological site assessment is required where:

- i) a pre-lodgement meeting has not occurred or
- ii) the development is in an area classed as having environmental issues but due to the type or size of the development it does not trigger a Natural Resources Control. See environmental controls related to relevant site for development types / sizes that are exempt from requiring full environmental surveys.

### **Ecological Site Assessment – What is required?**

- A site visit to determine areas appropriate for developing. The site visit may indicate all areas are equally easy or difficult to develop and this should be noted on the plan.
- A site plan classed according to environmental considerations and preferably color-coded.
- Form 1 filled out by the consultant and attached to the front cover.
- A print out from the following maps showing the study site in the center of the print out

Where a development type requires an Ecological Site Assessment but does not require an Ecological Impact Assessment (such as where less than 25m<sup>2</sup> of vegetation is being disturbed) the Ecological Site Assessment is to comment on the appropriateness of the location chosen for the proposed development.

### **Who can prepare an Ecological Site Assessment?**

A member of the Ecological Consultants Association.

### **Ecological Impact Assessment–What is required?**

- Completion of Form 2 (and attachment to the inside front cover of the EIA report).
- If a pre-lodgement meeting was held a copy of Forms 1a and 1b are to be attached to the inside front cover of the EIA.
- A study including the minimum survey effort (contact ECA) and
- a report addressing the following:

Note the impact assessment must include all areas potentially affected by fire mitigation measures and other activities that may negatively impact on the environment.

### **Background**

1. Will the development result in over 500m<sup>2</sup> of native vegetation being disturbed/removed. If over 500 m<sup>2</sup> of an Endangered Ecological Community is being disturbed/removed then a Species Impact Statement must accompany this EIA unless a decision was made during the Pre-lodgement meeting that one was not required.

#### **Habitat classification**

2. What is the Habitat Classification of the site (Category 1 or 2, Wildlife Corridor, other)?
  - Is the classification accurate relative to the current site conditions?
  - If not describe why and show on map.

#### **Corridors**

3. Is the site within a corridor as defined on Pittwater Masterplan (Pittwater Council web site)?

#### **State Government Legislation**

4. Does SEPP 19 apply to the site?
5. Does SEPP 44 apply to the site?
6. Is the site or adjacent land classed as Critical Habitat under Schedule 3 of Threatened Species Act.

#### **Local Government Legislation**

7. Which Control Documents in Pittwater 21 apply to this property? See Masterplan on Pittwater Council web site.
8. Discuss briefly whether the development is located in the areas identified as having least impact (as per Pre-lodgement Meeting or Ecological Site Assessment).

Parts of points 4 and 5 can be copied from (or refer to) any recent document with this information.

#### **Site Details**

9. Describe or, depict on map, the location and proximity to nearby reserves
  - Include location map

- Name and or show nearby reserves on map (*can be printed from Pittwater Web Page*).
- Approximate distance to the nearest National Parks.

10. Describe current site environment and fill in Table 1.

**Table 1 Site Details**

Item	Description (example)
Geology	use code
Soil type and basic description	use code description e.g. shallow sandy soil with rock outcrops and sand stone floaters
Aspect	
Slope	
Exposed sandstone	3 rock shelves each 12m x 3m; ss floaters to 3m diameter scattered on property (5% of area).
Vegetation type(s)	Use Pittwater Council codes (=RBG) if relevant describe details / transition zones in text.
Canopy	% cover by Specht and % native species
Midlevel	% cover by Specht and % native species
Ground	% cover by Specht and % native species
Is vegetation contiguous with neighbouring properties?	e.g. heath contiguous all side, trees in woodland contiguous with properties to the south.
Other (as seen appropriate)	

### Survey information

Provide a list of plants/animals that were targeted on the survey (i.e. Endangered, rare, locally significant etc)

- Provide a species list of native vegetation observed on site include abundance (3 scale rating).

#### Abundance Rating Plants

- \* = few—observed infrequently (>5% cover)
- \*\* = many—observed often on the site (5–30% cover)
- \*\*\* = abundant—almost always seen (31– 100% cover)

- Provide a list of animals (and abundance rating) surveyed on the site. Where possible include invertebrates observed (opportunistic surveys sufficient ID to family level or common name). List to be in Microsoft Excel format and submitted electronically for inclusion in the Wildlife Watch Database (see Pittwater Web Page for *Wildlife Watch template* and email address to send completed forms or Microsoft Excel list).

#### Abundance Rating Animals

- \* = few—observed infrequently (1–2 individuals)
- \*\* = many—observed often on the site (3–10 individuals)
- \*\*\* = abundant—almost always seen (11–100 individuals)

### **Site Coverage**

- What is the site coverage of the proposed development, include direct and indirect (e.g. fuel reduced zone).

## Threatened Species, Communities and Populations

Table 2 summarises of information required. The table can be included before or after the discussion of issues.

**Table 2 Summary Table for Threatened Species**

<b>Species, Population, Community.</b>	Habitat present <i>as per Habitat for Threatened Species in Pittwater</i>	Sp. Pop. Comm. present	Key habitat (ref PC)	Will Dev. result in loss of habitat?	Will Dev. result in habitat modification ?	If Dev. was modified could habitat be retained?	Will the Dev. impact on key habitat features?	If Dev. was modified could these be retained?	8-part test (y/n) & requirement for SIS (y/n)
Koala (vulnerable species, endangered population in Pittwater LGA)									
Tiger Quoll									
Southern Brown Bandicoot									
Bush-Stone Curlew									
Giant Dragonfly									
Squirrel Glider (vulnerable species, endangered population from Bushrangers Hill north)									
Eastern Pygmy Possum									
Large-eared Pied-bat									

Common Bent-wing Bat									
Greater Broad-nosed Bat									
Little Red Flying Fox									
Grey-headed Flying Fox									
Red Crowned Toadlet									
Giant Burrowing Frog									
Rosenberg's Goanna (Heath Monitor)									
Regent Honey-Eater									
Swift Parrot									
Glossy-black Cockatoo									
Masked Owl									
Barking Owl									
Powerful Owl									
Osprey									
Australasian Bittern									
Black Bittern									
Sooty Oystercatcher									
Pied Oystercatcher									

<b>Species, Population, Community.</b>	Habitat present as per <i>Habitat for Threatened Species in Pittwater</i>	Sp. Pop. Comm. present	Key habitat (ref PC)	Will Dev. result in loss of habitat?	Will Dev. result in habitat modification?	If Dev. was modified could habitat be retained?	Will the Dev. impact on key habitat features?	If Dev. was modified could these be retained?	8-part test (y/n) & requirement for SIS (y/n)
<b>Flora</b>									
<i>Eucalyptus camfieldii</i> – Heart leaved Stringybark									
Curved Rice-flower - <i>Pimelea curviflora</i>									
<i>Tetratheca glandulosa</i>									
Magenta Lily-pilly – <i>Syzygium paniculatum</i>									
<i>Grevillea calyii</i>									
<i>Genoplesium baueri</i>									
<i>Persoonia hirsute</i> – Hairy Geebung									

<b>Endangered Ecological Communities</b>									
Pittwater Spotted Gum Forest									
Duffy's Forest Community									
Sydney Coastal Estuarine Swamp Forest Complex									
Sydney Freshwater Wetlands									
Littoral Rainforest									
Coastal Saltmarsh									

## Endangered Ecological Communities

- Is there an Endangered Ecological Community (s) on the site or adjacent properties?
- What condition are they in (describe per strata if relevant)?
- What is the possibility for natural regeneration (if relevant)?
- If they do not occur over the entire site indicate on a Site Plan where they occur?
- What area will be disturbed as a result of the development (m<sup>2</sup>)
- What area will be removed as a result of the development (m<sup>2</sup>)
- Could the impact be reduced if the development was modified and how?

## Fauna

### Threatened species/populations/communities

- For Threatened Species complete 8-part test or equivalent legislative requirements.
- Discuss species that may be impacted upon (directly/indirectly), describe type of impact, possible effect and ways to reduce impact.
- Will the development result in activities / outcomes that are classed as Threatening Processes under Schedule 3 of the Threatened Species Conservation Act. If yes describe and recommend changes in development application and/or amelioration measures.

### Habitat

11. Is habitat on the site potentially or actually used by fauna listed in the Threatened Species Conservation (TSC) Act.
  - If actually used show habitat areas on Plan, e.g. trees with hollows, known roosts, food trees, trees providing connection between habitat trees, areas used for day nesting (bandicoots), termite mounds for heath monitors.
  - Are any habitat areas to be directly or indirectly affected by the development?
  - If yes described habitat and potential effect of loss.
  - Could the proposal be modified to reduce the impact?
  - If so how?
12. Is the site located in Pittwater Council (LGA) and mapped as *Key Habitat*?
  - If yes has the appropriate survey been undertaken for that species? (see *requirements on the web page*).
  - This species(s) must be addressed in terms of potential impacts and possible amelioration.
13. Do any habitat corridors, as per Pittwater Council Maps, pass through the site?
  - If yes provide location site map or refer to Ecological Site Assessment.
  - What condition is the corridor in?

### Regionally and Locally Significant Fauna

14. Is habitat on the site potentially or actually used by fauna listed as Locally or Regionally Significant (list of Species on Pittwater web page)?
  - If yes list the species and state if the site is potentially or actually used by listed fauna.
  - If actually used show habitat areas on plan, e.g. trees with hollows, known roosts, food trees, trees providing connection between habitat trees, areas used for day nesting (Bandicoots), Termite mounds for Heath Monitors.
  - Are any habitat areas to be directly or indirectly affected by the development?
  - If yes describe habitat and potential effect of loss including in the context of potential surrounding development.

- Could the proposal be modified to reduce the impact? If so how?

## Flora

### Threatened species/populations/communities

- For Threatened Species complete 8-part test or equivalent Threatened Species Conservation Act requirements.
- Discuss species that may be impacted upon (directly/indirectly), describe type of impact, possible affect and ways to reduce impact.
- Will the development result in activities / outcomes that are classed as Threatening Processes under Schedule 3 of the Threatened Species Conservation Act. If yes describe and recommend changes in development application and or amelioration measures.

Is there Flora listed on the Threatened Species Conservation (TSC) Act on the site or is known to be on adjacent properties?

- If so which species are they and what condition are they in? (incl. in table 2)
- Where are they located (show on site plan).
- Is habitat on the site suitable for any listed species (that have not been located on the site)?
- If so list which ones and what is the likelihood of them being on the site at some time?
- What is the closest known record of these species?
- Will the proposal impact on listed Flora?
- If yes describe impact and what will/may be lost. Include direct loss and indirect loss (e.g. weed invasion resulting from nutrient enriching from on-site waste water disposal).
- Could the proposal be modified to reduce the impact?
- If so how?

### Habitat

Is habitat on the site potentially or actually suitable for plants listed on the Threatened Species Conservation (TSC) Act? If yes discuss.

### Regionally and Locally Significant Flora

- Is there Flora listed as locally or regionally significant or on ROTAP (& not covered above) on the site or adjacent properties?
- If so what species are they and what condition are they in? (see Pittwater Web Page for the list of significant Flora).
- Where are they located (show on site plan).
- Is habitat on the site suitable for any of these species (that have been located on the site)?
- If so list which ones and likelihood of them being on the site at some time?
- Will the proposal impact on locally or regionally significant Flora?
- If yes describe impact and what will/may be lost. Include direct loss and indirect loss (e.g. increased burning for fuel reduction, weed invasion resulting from nutrient enriching from on-site waste-water disposal).
- Give area (m<sup>2</sup>) being directly disturbed.
- Give area (m<sup>2</sup>) that may be indirectly disturbed (include area affected by fuel reduction/proposed frequent burning, waste-water run-off etc).
- Could the proposal be modified to reduce the impact?
- If so how?

## Environmental Loss Summary

### Tree removal and damage to trees within 5m of development

If trees are to be removed provide information about tree species, size, health and habitat features. If there are trees to be retained within 5m of the development an arborist should comment on the likelihood of these trees surviving the proposed development. Discuss the habitat value of these trees if the arborist report concludes that they may be damaged/modified/killed.

**Table 3 Environmental Loss**

<i>Issues</i>	<i>Impact</i>	<i>Compensation discussed Y/N</i>
<b>Endangered Ecological Community</b>		
Area (m <sup>2</sup> ) being removed (built on, driveway etc & in fuel free zone)		
Area (m <sup>2</sup> ) being disturbed (e.g. fuel reduced zone)		
<b>Outside Endangered Ecological Communities</b>		
Number of native trees being removed		
Total area (m <sup>2</sup> ) being covered by the proposed development		
Area (m <sup>2</sup> ) of native vegetation* being removed (built on and in fuel free zone)		
Area (m <sup>2</sup> ) of native vegetation* being modified (e.g. fuel-reduced zone and/or on-site wastewater disposal zone).		
Modification / loss of drainage lines, water-ways, water bodies.		
Sandstone loss app. m2 and / number of areas		

\*native vegetation includes up to 70% introduced species where there is potential for regeneration.

- If vegetation being lost is dominated by introduced species (including lawn) describe the approximate % weeds/natives and re-generation potential.

### Landscaping

- Is Landscaping proposed?
- If yes does it comply with Councils Requirements? (E.g. 80% native species in Category 1 and Category 2 areas. If the site is in an Endangered Ecological Community 80% of plantings are to be from that community see *DCP 21 Natural Environment Controls*).
- If landscaping does not comply state what needs updating, or that changes are covered in a Ecological Sustainability Plan?
- Indicate areas on a site plan that are proposed for retention, regeneration, replanting (*refer to ESP for details*).

### Fire Mitigation

- Are proposed fire mitigation measures confined to the site? If not can the development be modified to contain fire mitigation works on site?
- Could proposed fire mitigation measure have a negative impact on:
  - a) Threatened species/populations/communities?
  - b) other native species/populations/communities?
- Has the fire report presented options to achieve fire mitigation while minimising ecological impacts?
- Could the development or fire mitigation be modified to reduce actual/potential damage/loss.
- Is the recommended fire mitigation achievable-how will it be resourced?

### Sewerage

- Is the proposed development connected or will it be connecting to the sewerage system?
- If not is the type of system proposed compliant with Councils Controls and is the system appropriate for the site?

### **Storm-water**

- Will the development result in changes to storm-water that may have a negative impact on native species of plants or animals?

### **Domestic Animals**

- Should any domestic animals be excluded from the site (whole site or part of)?
- If yes which ones and why.
- See *Standard Conditions relating to Natural Environment (in review)*.

### **Summary answering the following:**

- a) What is the Pittwater Council classification of the site Category 1 - Core bushland, Category 2 - Fragmented bushland etc?
- b) Is the site part of a habitat corridor and what rating does it have?
- c) How many listed species do, or could, occur on the site?
- d) How many locally or regionally significant species occur on the site?
- e) How many species have had an 8-part test applied and have any indicated a SIS is required?
- f) Have all reports that may influence the conclusions of this report been taken into consideration (bush fire, waste water, landscaping etc)?
- g) Is the proposed development in the location with the least environmental impact? If not could it be modified?
- h) Is the driveway, waste-water disposal area, water tanks etc in areas that result in least environmental impact?
- i) Is vegetation being disturbed/modified and if yes what is the area (m<sup>2</sup>) of vegetation being directly lost (include fuel free zone, paving etc) and the area (m<sup>2</sup>) of vegetation that could be indirectly affected (waste-water areas, fuel reduction etc)?
- j) Do native plants dominate in the areas being lost?
- k) Are there any Endangered Ecological Communities being disturbed/modified? If yes what is the area (m<sup>2</sup>) of vegetation being directly lost (include fuel free zone, paving etc) and the area (m<sup>2</sup>) of vegetation that could be indirectly affected (waste-water areas, fuel reduction etc)?
- l) Is landscaping proposed and does it conform with Council requirements. If is this being amended and where (ESP or Landscaping Plan)?
- m) Are fire mitigation measure proposed and will they impact on native species?

Should domestic animals be excluded from the site and if so which species and where should they be excluded from?

## **Ecological Sustainability Plan–What is it and why is it required?**

A Ecological Sustainability Plan is a map based report written for the property owner and those living on the site to aid them in maximising the long-term sustainability of the sites (and Pittwater's) ecological processes (natural areas). The plans are particularly important for ensuring long-term sustainability of Endangered Ecological Communities-such as Pittwater Spotted Gum Forest.

Development in Pittwater is on-going and application of Ecological Sustainability Plans to sites as they are developed or re-developed will result in a number of environmental sustainability outcomes including 1) Noxious Weeds being managed on private property and 2) retention/creation of habitat areas for native wildlife.

The Plan is required as it enables developments to comply with the strategic aims of the Pittwater Community (as per Councils 20 year plan) and comply with environmental legislation. The Plan is relied on when writing conditions of consent as it covers requirements pre-works, during construction and after completion of works. The Plan applies to the site for the life of the development.

The Ecological Sustainability Plan can be written as part two of the Ecological Impact Assessment or as a separate report).

### **Who can prepare a Ecological Sustainability Plan**

*As for Environmental Impact Assessment (Environmental Consultants), and Bush Regenerators who have theoretical and practical experience in ecology.*

## **Ecological Sustainability Concept Plan–What is it and When is it required?**

An Ecological Sustainability Concept Plan is a simplified version of the above. For complex developments or those that are likely to change through the DA process a concept plan is recommended. A final Ecological Sustainability Plan will be required prior to issue of construction certificate. During a pre-lodgement meeting Council staff are usually able to recommend whether a completed report or a concept plan is better for the particular development.

The Ecological Sustainability Concept Plan is the same as the Map stage of the Ecological Sustainability Plan. Generally it is best to complete an Ecological Sustainability Plan and submit it with the DA as this will maximise the speed at which the DA proceeds to construction phase.

### **Requirements of Ecological Sustainability (and concept) Plans**

The following table lists issues that are to be addressed in an ESP. All issues will not apply to all sites. Tick which issues are covered and insert n/a if the issue does not apply to the site. Note all sites are to retain areas of native vegetation and key habitat features for the life of the development.

The check-sheets are to be easy to understand and link with ESP map. The owner/occupier should be able to use these sheets to direct them to priority works/weeds. Also Council Officers or Private Certifiers should be able to use these sheets to determine compliance with the ESP at any time.

Forms 3(a) and 3(b) detail the requirements of the Ecological Sustainability (and Concept) Plans, form 3(a) is in reference to the Map based component of the ESP and ESCP whereas form 3(b) is in reference to the Report aspect of the ESP and ESCP

### **Reports to Council**

- All reports submitted to Council
- Site with reference to environmental controls referred for ecological assessment.
- Any site with Threatened and /or Endangered Species, populations, communities referred for ecological assessment.
- Areas where over 500m<sup>2</sup> of vegetation being removed are referred for ecological assessment.

### **Accuracy of Reports**

- Reports found to be inaccurate or insufficient will result in the DA being refused. Repeat problems from any one individual will result in Council (reporting the consultant to the Ecological Consultants Association) or not accepting their work until issues are resolved.

### **Council Assessment**

- Application assessed with respect to Ecological Site Assessment, findings of Ecological Impact Assessment and Ecological Sustainability Plan.
- Application accepted with standard conditions of consent and/or custom conditions of consent or
- Application requiring minor changes plus standard and/or custom conditions of consent.
- or Application refused.

Council Officers will determine what conditions are appropriate and when each condition should apply, i.e. generally, prior to commencement of works, prior to occupation certificate, etc.

### **Compliance**

Conditions are in place for the life of the development and failure to comply may lead to prosecution. Compliance Officers are responsible for ensuring conditions are met at each stage. Thus it is important that Plans clearly mark items including: (i) areas to be retained and in what state, (ii) areas to be weeded, (iii) plants to be planted and what size (including trees), (vi) areas for exclusion fencing.

Conditions relating to the Ecological Sustainability Plan and Ecological Impact Assessment will be active for the life of the development. That is the Occupation Certificate may be invalid if conditions are not met.

### **Community Awareness**

#### **Section 149 Certificates**

Notification of properties known to have areas/items of high environmental/archeological significance are to be undertaken by inclusion on the Section 149 Certificate. This provides advice to current owners as to the importance of environmental/archeological issues and the information transfers to new owners with the sale of the property.

### **88B Instruments**

Where there are specific management, maintenance or monitoring requirements to ensure the environment is managed within the "Acceptable Risk Management" criterion, then these are to be included as a covenant on the title of the property to ensure current and future owners are aware of their responsibilities.

## **Forms**

### **Form 1 – Development Type A and Development Type B-E**

#### **What is Form 1?**

Form 1 should be completed with the Ecological Site Assessment (a recommendation only), Development Type A refers to development that disturbs less than 25m<sup>2</sup> of an Endangered Ecological Community or Category 1 bushland or 40m<sup>2</sup> of other natural areas whereas development Type B-E refers to disturbance greater than 25m<sup>2</sup> of an Endangered Ecological Community or Category 1 bushland or 40m<sup>2</sup> of other natural areas (refer to site specific controls).

#### **Form 1a and Form 1b–Pre-lodgement Meeting–what reports are required**

##### **What are Forms 1a and 1b**

Form 1a and Form 1b are part of the Pre-lodgement meeting and will be provided to the applicant by Natural Resources Council Staff. Form 1a provides the applicant with a list of information required by Council. Form 1b indicates the 'risk' posed by certain environmental issues/areas of the site.

##### **When is Form 1a and Form 1b to be submitted?**

Copies of these forms are to be provided to the consultant completing the Ecological Impact Assessment. The forms are to be submitted to Council with the Ecological Impact Assessment Report accompanying a development application. Both Form 1a and 1b are to be attached to the inside cover of the Ecological Impact Assessment Report.

##### **Why is Form 1a and Form 1b necessary?**

Including Form 1a and 1b with the Ecological Impact Assessment allows Council assessment staff to see what information was requested from the applicant. Additional information cannot be requested unless an issue has arisen since the pre-lodgement meeting or the pre-lodgement meeting was greater than 12 months before the DA was lodged.

### **Form 2 Ecological Impact Assessment–Declaration and Certification**

#### **What is Form 2?**

Form 2 is a Declaration and Certification made by Environmental Consultant in relation to the Ecological Impact Assessment Report and information used when preparing the report.

#### **Why is Form 2 necessary?**

Form 2 is essential to verify that the author of an Ecological Impact Assessment is qualified as defined by this policy. Alternatively, where an Ecological Impact Assessment has been prepared by a professional person not recognised by the ECA, then Form 2 may be used as technical verification of the Ecological Impact Assessment Report if signed by an Associate of the Ecological Consultants Association.

Form 2 provides evidence to Pittwater Council, or other certifying authority determining the development application, that all required information has been included in the assessment.

Form 2 indicates whether

- i) a pre-lodgement meeting was held and if the requirements of that meeting have been addressed.
- ii) a pre-lodgement meeting was held and requirements not addressed.
- iii) no pre-lodgement meeting was held but all requirements of the Natural Environment Controls have been addressed. Where there was no pre-lodgement meeting the consultant must verify which reports/information were taken into account when preparing the Impact Assessment.

*If none of these alternatives apply the Environmental Impact Assessment will require modifications and will not be accepted over the counter.*

Form 2 requires the consultant to sign off that they:

- 1) have consulted all relevant information and taken into account the impacts of all aspects of the proposed development on the environment.
- 2) have addressed all requirements of the TSC Act and other environmental legislation that may apply to the site.
- 3) have worked with other parties in maximizing the environmental sustainability of the site.
- 4) have prepared their documents in accordance with the requirements for Ecological Impact Assessments as per Pittwater Council Natural Environment Controls.

**When is Form 2 submitted?**

This form must be attached with the submission of the Ecological Impact Assessment Report accompanying a development application. Attach Form 2 to the inside cover of the Ecological Impact Assessment Report.

**Form 3 - Declaration and Certification of authorship made by the Environmental Consultant in relation to the Ecological Sustainability (and Concept) Plan.**

**When is Form 3 to be submitted?**

Form 3 is to be submitted with the Ecological Sustainability (and Concept) Plan accompanying a development application. Attach Form 3 to the inside cover of the Ecological Sustainability Plan or Concept Plan respectively.

**Why are forms 3 necessary?**

This form is essential to verify that the author of the Ecological Sustainability (and Concept) Plan is appropriately qualified as defined by this policy. Alternatively, where an Ecological Sustainability (and Concept) Plan has been prepared by a professional person not recognised by this Environmental Sustainability Policy, then Form 3 may be used as technical verification of the Ecological Sustainability Plan if signed by an appropriately qualified person as defined by this policy.

**Why are Forms 3(a) and 3(b) necessary?**

Form 3(a) documents the requirements for the map based component of the ESP or ESCP. This form is to be ticked of at the pre-lodgement meeting or as per the consultants discretion (Council consultation can be sought), form 3(b) is the same but covers the report aspect of the ESP or ESCP. Forms 3(a) and 3(b) should be attached to the ESP/ESCP (inside front cover).

**Form 4—Certification of conditions required prior to commencement of works—Ecological Sustainability Certificate**

**What is Form 4 and who can certify Natural Resource Conditions?**

Form four is a certification form for conditions required prior to of works. Any member of the Ecological Consultants Association can provide certification as can a person with relevant qualifications.

**When is Form 4 to be submitted?**

Prior to issue of Construction Certificate.

**Form 5—Post Construction—Ecological Sustainability Certificate**

The purpose of this form is to ensure that conditions have been complied with during and post construction.

**When is Form 5 submitted?**

This form must be submitted at the completion of a project, prior to occupation of the premises and prior to the issue of an Occupancy Certificate.

**Why is Form 5 necessary?**

Form 5 is essential, as it provides certification that all works have been carried out in accordance with the conditions of consent and any subsequent environmental protection requirements introduced during the construction process.

**ENVIRONMENTAL SUSTAINABILITY POLICY FOR PITTWATER  
FORM NO. 1 Ecological Site Assessment for development type A  
To be submitted with Development Application**

Development Application for \_\_\_\_\_  
Name of Applicant

Address of site \_\_\_\_\_

***Declaration made by environmental consultant (member of ECA) as part of the Ecological Site Assessment report***

I, \_\_\_\_\_ of \_\_\_\_\_  
(Insert Name) (Trading or Company Name)

on this the \_\_\_\_\_  
(Date)

certify that I am an environmental consultant as defined by the Environmental Sustainability Policy for Pittwater and I have:

**Please mark appropriate box**

- Visited the site and inspected the proposed development area as indicated on the attached plan.
- The area of vegetation to be removed and disturbed is: \_\_\_\_\_
- The area, is / is not, in an Endangered Ecological Community.
- The number of trees to be removed is \_\_\_\_\_.
- Threatened fauna, will/will not, be negatively impacted on.
- Threatened plants, will/will not, be negatively impacted on.

**Environmental Site Assessment Report Details:**

Report Title: Report Date: Report Reference: Author: Author's Affiliation:
--

**Documentation relied upon in report preparation:**

I am aware that the Ecological Site Assessment, prepared for the above mentioned development is to be submitted in support of a Development Application and will be relied on by Pittwater Council as part of the assessment to minimise negative impacts on the ecology of the site and surrounds. The life of the development is taken as at least 100 years unless otherwise stated and justified.

Signature .....

Name .....

Chartered Professional Status.....

**ENVIRONMENTAL SUSTAINABILITY POLICY FOR PITTWATER  
FORM NO. 1 Ecological Site Assessment for development types B–E  
To be submitted with Development Application**

Development Application for \_\_\_\_\_  
Name of Applicant

Address of site \_\_\_\_\_

***Declaration made by environmental consultant (member of ECA) as part of the Ecological Site Assessment report***

I, \_\_\_\_\_ of \_\_\_\_\_  
(Insert Name) (Trading or Company Name)

on this the \_\_\_\_\_  
(Date)

certify that I am an environmental consultant as defined by the Environmental Sustainability Policy for Pittwater and I have:

**Please mark appropriate box**

- Visited the site and made an initial classification of the sites suitability for development and indicated the areas on the attached plan.
- Consulted and included copies of the Pittwater Council 'Habitat Classification Map' and 'Corridors Map' showing the location of the site on these maps.

**Environmental Site Assessment Report Details:**

Report Title: Report Date: Report Reference: Author: Author's Affiliation:
--

**Documentation relied upon in report preparation:**

I am aware that the Ecological Site Assessment, prepared for the above mentioned development is to be submitted in support of a Development Application and will be relied on by Pittwater Council as part of the assessment to minimise negative impacts on the ecology of the site and surrounds. The life of the development is taken as at least 100 years unless otherwise stated and justified.

Signature .....

Name .....

Chartered Professional Status.....

**ENVIRONMENTAL SUSTAINABILITY POLICY FOR PITTWATER  
FORM NO. 1a Pre-lodgement–Information Required  
To be submitted with Development Application**

Development Application for \_\_\_\_\_  
Name of Applicant

Address of site \_\_\_\_\_

**Declaration made by Pittwater Council Representative**

I, \_\_\_\_\_ (Insert Name) of Pittwater Council on this day, the \_\_\_\_\_  
(Date)

made a site visit and/or had a pre-lodgement meeting with \_\_\_\_\_ as part of a pre-lodgement site inspection and/or meeting. After viewing the site and/or assessing pre-lodgement details the following is required to be addressed and submitted with the Development Application:

**Please mark appropriate box**

- Arborist Report (for trees within 5m of works)
- Archaeological Report
- Ecological Sustainability Plan (ESP)
- Ecological Sustainability Concept Plan
- Ecological Impact Assessment (EIA) (taking into account findings from other reports)
- Fire Report
- Landscaping Plan (optional–if having a landscape plan it must be referred to in EIA and ESP)
- On-site Water Disposal Report
- Statement of Environmental Effects following an examination of the proposed development area.
- Other \_\_\_\_\_

**Applicant Certification**

I am aware that the pre-lodgement meeting and/or site assessment with a Natural Resources Officer will result in a list of requirements relating to Natural Resources issues. I understand this list only covers Natural Resources issues.

I understand that where an Ecological Impact Assessment is required all other reports relating to the development need to be complete prior to completion of the Ecological Impact Assessment.

I understand that the development application will not be processed until the above information is submitted.

Signature .....

Name .....

Relationship to project.....

**Pre-Lodgement Site Assessment:**

Report Reference: Report Date: Author:
--

**FORM NO. 1b Pre-lodgement–Risk Assessment  
To be submitted with Development Application**

Development Application for \_\_\_\_\_  
Name of Applicant

Address of site \_\_\_\_\_

**Declaration made by Pittwater Council Representative**

I, \_\_\_\_\_ of Pittwater Council on this day, the \_\_\_\_\_ (Insert (Name))  
(Date)

made a site visit and/or had a pre-lodgement meeting with \_\_\_\_\_ as part of a pre-lodgement site inspection and/or meeting. After viewing the site and/or assessing the pre-lodgement details the following issues have been considered. Where an issue/area is noted as being a high risk there is a possibility that further information may still be required after a more detailed site assessment (that is during the EIA).

Issue	Low	Medium	High
Habitat Classification and Corridors			
Endangered Ecological Community (EEC)			
Fauna–threatened species/populations			
Fauna–habitat, regionally & locally significant species			
Flora–threatened species/populations			
Flora–habitat, regionally & locally significant species			
Species Impact Statement for flora or fauna			
Tree removal / damage			
Landscaping			
Fire Mitigation			
On-site Water Disposal			
Storm-water			
Domestic Animals			

Issue	yes	no	more information required
Is a Species Impact Statement required for an Endangered Ecological Community?			

**Applicant Certification**

I am aware that the pre-lodgement site assessment with a Natural Resources Officer/or certified body will indicate the level of ‘risk’ associated with different natural resource issues. I understand the risk assessment only covers Natural Resources issues.

I understand that where an Ecological Impact Assessment is required all other reports relating to the development need to be complete prior to completion of the Ecological Impact Assessment. I understand that the development application will not be processed until the above information is submitted.

Signature .....

Name .....

Relationship to project.....

**Pre-Lodgement Site Assessment–risk assessment**

Report Reference: Report Date: Author:
--

**FORM NO. 2 Ecological Impact Assessment  
To be submitted with Development Application**

Development Application for \_\_\_\_\_  
Name of Applicant

Address of site

**Declaration made by environmental consultant (member of ECA) as part of the Ecological Impact Assessment report**

I, \_\_\_\_\_ of \_\_\_\_\_  
(Insert Name) (Trading or Company Name)

on this day, the \_\_\_\_\_  
(Date)

certify that I am an environmental consultant as defined by the Environmental Sustainability Policy for Pittwater and

- I have completed the minimum survey requirements for the site (as per ECA)
- a pre-lodgement meeting was held and this Ecological Impact Assessment has taken into account the findings of all reports/information that were part of the pre-lodgement meeting and that Forms 1a and 1b are attached to the inside front cover of this report.
- or
- a pre-lodgement meeting was not held however this Ecological Impact Assessment fulfils all requirements of Ecological Impact Assessments (as per the DRAFT Environmental Sustainability Policy for Pittwater) and has taken into account the findings from the following reports

**Please mark appropriate box**

- Arborist Report (for trees within 5m of works)
- Archaeological Report
- Fire Report
- Landscaping Plan
- On-site Water Disposal Report (if not connecting to sewerage system)

*If neither are ticked the Ecological Impact Assessment will require modification and will not be accepted over the counter.*

**Ecological Impact Assessment Report Details:**

Report Title: Report Date: Report Reference: Author: Author's Affiliation
---

I am aware that the Ecological Impact Assessment, prepared for the above mentioned development, is to be submitted in support of a Development Application and will be relied on by Pittwater Council to assess potential impacts of the development on the ecology of the site and surrounds. The life of the development is taken as at least 100 years unless otherwise stated and justified.

Signature.....

Name .....

Chartered Professional Status.....

**ENVIRONMENTAL SUSTAINABILITY POLICY FOR PITTWATER  
FORM NO. 3 Ecological Sustainability (and Concept) Plan  
To be submitted with Development Application**

Development Application for \_\_\_\_\_  
Name of Applicant

Address of site \_\_\_\_\_

**Declaration made by environmental consultant as part of the Ecological Sustainability Plan**

I, \_\_\_\_\_ of \_\_\_\_\_  
(Insert Name) (Trading or Company Name)

on this day, the \_\_\_\_\_  
(Date)

certify that I am an environmental consultant/bushland consultant as defined by the Environmental Sustainability Policy for Pittwater and I have:

**Please mark appropriate box**

- Visited the site.
  
- Consulted and relied upon findings and conclusions from all relevant reports in particular the Ecological Impact Assessment.
  
- Completed the Ecological Sustainability Concept Plan (Map) as per DRAFT Pittwater Council Environmental Sustainability Policy and filled in Form 3a and attached it to the inside front cover of the Report.
- or
- Completed the Ecological Sustainability Plan (Map and Report) as per DRAFT Pittwater Council Environmental Sustainability Policy and filled in Forms 3a and 3b and attached them to the inside front cover of the ESP Report.

**Ecological Sustainability Plan Report Details:**

Report Title: Report Date: Report Reference: Author: Author's Affiliation
---

I am aware that the Ecological Sustainability Plan, prepared for the above mentioned development is to be submitted in support of a Development Application and will be relied on by Pittwater Council to assess potential impacts of the development on the ecology of the site and surrounds. The life of the development is taken as at least 100 years unless otherwise stated and justified.

Signature .....

Name .....

Chartered Professional Status.....

**ENVIRONMENTAL SUSTAINABILITY POLICY FOR PITTWATER  
FORM NO. 3A Requirements for Ecological Sustainability Plan  
To be attached to Map**

Development Application for \_\_\_\_\_  
Name of Applicant

Address of site \_\_\_\_\_

***Declaration made by environmental consultant as part of the Ecological Sustainability Plan or Ecological Sustainability Concept Plan***

I, \_\_\_\_\_ of \_\_\_\_\_  
(Insert Name) (Trading or Company Name)

on this day, the \_\_\_\_\_  
(Date)

certify that I have completed the following as marked:

**Site Plan**

*The following check sheet is to be completed and attached to the Map for the Ecological Sustainability Plan or Ecological Sustainability Concept Plan*

<b>Annotated plan showing the following</b>	Completed
	(✓)
All areas of native vegetation	
Native trees include species, size, condition (e.g. SULE rating)	
Accurate survey and describe native trees within 5m of proposed works	
Trees to be retained and those to be modified/removed	
Areas with medium to high regeneration potential	
Areas of native vegetation to be retained	
Areas of vegetation proposed to be removed	
Areas of Noxious and Environmental Weeds	
Areas of habitat features, bushrock (over 2m), caves, termite mounds etc	
Footprint of house and associated works (fuel reduced zones, waste-water etc)	
Areas for exclusion fencing—during development/establishment phase	
Areas appropriate for storage of materials during construction	
Recommended access ways during construction	
Areas for bush-regeneration	
Areas for planting trees (if appropriate)	
Areas for planting low and or mid strata	
Areas for landscaping	
Fuel reduced zone	
Fuel free zone	
Waste-water disposal zone	
Recommended Environmental Protection Zone (EPZ) <i>if appropriate</i>	
Areas for managing domestic animals (see requirements of Pittwater Council Control Documents <i>Pittwater 21</i> )	
Wildlife Corridors and Core/Fragmented Bushland (as per Pittwater Council Maps)	

**ENVIRONMENTAL SUSTAINABILITY POLICY FOR PITTWATER**  
**FORM NO. 3b Ecological Sustainability Plan (report)**  
**To be attached to inside front cover of ESP Report**

Development Application for \_\_\_\_\_  
Name of Applicant

Address of site \_\_\_\_\_

**Declaration made by environmental consultant as part of the Ecological Sustainability Plan**

I, \_\_\_\_\_ of \_\_\_\_\_  
(Insert Name) (Trading or Company Name)

on this day, the \_\_\_\_\_ certify that I have completed the following as marked:  
*The following is to be completed and attached to the inside front cover of the Ecological Sustainability Plan.*

Report covering	Completed  (✓)
<b>Site Preparation</b> Description of: <ul style="list-style-type: none"> <li>▪ Tree, vegetation and habitat protection,</li> <li>▪ Sediment and erosion control for natural features,</li> <li>▪ Weed control,</li> <li>▪ Top soil/ litter layer treatment,</li> <li>▪ Surface treatment and stabilisation (mulch etc),</li> <li>▪ Site drainage with respect to natural features,</li> </ul>	
<b>Weed Removal and Regeneration</b> <ul style="list-style-type: none"> <li>▪ List of Noxious and Environmental Weeds</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Timeline for removing Noxious Weeds and controlling/removing Environmental Weeds (<i>for updated weeds list see Dept of Agriculture web page</i>). Timeline to include the area / number of weed species acceptable as a background level. Cross reference location with Map.</li> </ul>	
<b>Description of Planting (if planting)</b> <ul style="list-style-type: none"> <li>▪ Planting aims, e.g. supplementary planting in a regeneration area, or a native vegetation area or planting in a landscape area.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Species list recommended for planting—as appropriate (if the ESP is replacing a Landscaping Plan give details of species to be planted and size range / species). Local native species to be used (for at least 70% of plantings, 80% in Endangered Ecol. Comm.). Identify source of local native, plant stock.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Description of areas for bush regeneration, trees to be retained, trees to be planted (and what size), etc</li> </ul>	
<ul style="list-style-type: none"> <li>▪ A schedule of materials—including elements such as weed matting, mulch, edging, walling, paving and fencing.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Description of works meeting minimum requirements of Landscaping Policy (i.e. 50% of development screened in 3 yrs).</li> </ul>	
<b>Long-term Management</b> <ul style="list-style-type: none"> <li>▪ Management of habitat features, including protection during construction and for the life of development. Also include the provision of nesting boxes etc as appropriate. Maintenance period for 12 to 24 months after Issue of Occupation Certificate. NB maintenance can be by land occupier.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Indicate areas that are to be maintained as ‘bushland’ for the life of the development</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Description of exclusion areas for domestic animals <i>as relevant</i></li> </ul>	
<ul style="list-style-type: none"> <li>▪ Reference to other documents if relevant (e.g. frequency and type of fuel reduction, care for on-site water disposal system)</li> </ul>	
<b>Check-sheets listing activities to be completed on an on-going basis.</b>	
<ul style="list-style-type: none"> <li>▪ List of Noxious Weeds to be managed/removed (at all times).</li> </ul>	
<ul style="list-style-type: none"> <li>▪ List of Environmental Weeds to be managed/removed (all times).</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Area of native vegetation and trees to be maintained/retained.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Area from which domestic animals are not permitted.</li> </ul>	

**ENVIRONMENTAL SUSTAINABILITY POLICY FOR PITTWATER**  
**FORM NO. 4 Certification of Natural Environmental Conditions prior to Construction Certificate**

**To be submitted prior to Issue of Construction Certificate**

Development Application for \_\_\_\_\_  
Name of Applicant

Address of site \_\_\_\_\_

*Declaration made by environmental consultant in certifying natural environment conditions prior to issuing of construction certificate* I, \_\_\_\_\_ of

\_\_\_\_\_ (Insert Name) (Trading or Company Name)

on this the \_\_\_\_\_ (Date)

certify that I have completed the following as marked:

Signature .....

Name .....

Chartered Professional Status.....

**(EXAMPLE)**

**ENVIRONMENTAL SUSTAINABILITY POLICY FOR PITTWATER  
FORM NO. 4 Certification of Natural Environment Conditions prior to Commencement of Work**

**To be submitted prior to Commencement of Work**

Development Application for \_\_\_\_\_  
Name of Applicant

Address of site \_\_\_\_\_

**Declaration made by environmental consultant in certifying natural environmental conditions prior to issuing of commencement of work** I, \_\_\_\_\_ of

\_\_\_\_\_ (Insert Name) (Trading or Company Name)

on this the \_\_\_\_\_

(Date)

certify the following:

that prior to commencement of works in accordance with the approved Ecological Sustainability Plan

Condition	Issue	Signature and date
C2 a	Certification that protective fencing has been installed around the trees, vegetation, habitat, bush rock or other natural features to be retained.	
C2 b	Certification that all site preparation works have been completed.	
C2 c	Site access has been defined.	
C2 d	Certification that the weed control, including herbicide application, required prior to disturbance of the site has been completed.	

*E.g. of Condition C2*

The following matters are to be certified by qualified experienced Bushland Management Consultant as being completed prior to commencement of works in accordance with the approved Bushland Management Plan add title and date or document No. and Map Title and reference No.

- a) Certification that protective fencing has been installed around the trees, vegetation, habitat, bush rock or other natural features to be retained.
- b) Certification that all site preparation works have been completed.
- c) Site access has been defined.
- d) Certification that the weed control, including herbicide application, required prior to disturbance of the site has been completed.

Signature .....

Name .....

Chartered Professional Status.....

**ENVIRONMENTAL SUSTAINABILITY POLICY FOR PITTWATER  
FORM NO. 5 Certification of Natural Environment Conditions prior to Occupation Certificate**

**To be submitted with Development Application**

Development Application for \_\_\_\_\_  
Name of Applicant

Address of site \_\_\_\_\_

***Declaration made by environmental consultant in certifying natural environment conditions prior to issuing of occupation certificate***

I, \_\_\_\_\_ of \_\_\_\_\_  
(Insert Name) (Trading or Company Name)

on this the \_\_\_\_\_  
(Date)

certify that the following conditions have been met.

Signature .....

Name .....