

Agenda Conservation Advisory Committee

A MEETING WILL BE HELD IN CONFERENCE ROOM 2

JOONDALUP CIVIC CENTRE BOAS AVENUE, JOONDALUP

ON WEDNESDAY, 29 OCTOBER 2008

COMMENCING AT 6.00 pm

Note:

Clause 77 of the City's Standing Orders Local Law 2005 states:

"Unless otherwise provided in this local law, the provisions of this local law shall apply to meetings of committees with the exception of:

- (a) clause 29 (Members seating;) and
- (b) clause 54 (Limitation on members speaking.)"

GARRY HUNT
Chief Executive Officer
17 October 2008

www.joondalup.wa.gov.au

CITY OF JOONDALUP

Notice is hereby given that a meeting of the **CONSERVATION ADVISORY COMMITTEE** will be held in Conference Room 2, Joondalup Civic Centre, Boas Avenue, Joondalup on **Wednesday**, **29 October 2008** commencing at **6.00 pm**.

GARRY HUNT Chief Executive Officer 17 October 2008

Joondalup Western Australia

AGENDA

Committee Members (14):

Cr Mike Norman Presiding Person

Cr Sue Hart Deputy Presiding Person

Cr Fiona Diaz

Cr Marie Macdonald

Mr John Chester Community Representative Community Representative Mrs Marilyn Zakrevsky Community Representative Ms Suzi Greenway Mr Barry Fitzsimmons Community Representative Ms Phyllis Robertson Community Representative Dr Marjorie Apthorpe Community Representative Mr Tim Argus Community Representative Mr Steve Magyar Community Representative Mr Gary Tate Community Representative Ms Dorothy Lullfitz Community Representative

Quorum for meetings (7)

The quorum for a meeting is to be at least 50% of the number of offices (whether vacant or not) of members of the committee.

Simple majority:

A simple majority is to be more than 50% of those members present at the meeting.

Absolute majority: (8)

An absolute majority is to be more than 50% of the number of offices (whether vacant or not) of the committee.

Casting vote:

In the event that the vote on a motion is tied, the presiding person must cast a second vote.

Terms of Reference

- > To make recommendations to Council for the conservation of the City of Joondalup's natural biodiversity.
- > To provide strategic input and when requested advice on issues relating to the conservation and management of the City's natural biodiversity.
- > To promote partnerships between Council and the community to protect the City of Joondalup's natural biodiversity as contained within its various natural areas (bushland, wetlands and coastal environment).

DECLARATION OF OPENING

APOLOGIES/LEAVE OF ABSENCE

CONFIRMATION OF MINUTES

MINUTES OF THE CONSERVATION ADVISORY COMMITTEE HELD 27 AUGUST 2008

RECOMMENDATION

That the minutes of the meeting of the Conservation Advisory Committee held on 27 August 2008 be confirmed as a true and correct record.

ANNOUNCEMENTS BY THE PRESIDING PERSON WITHOUT DISCUSSION

DECLARATIONS OF INTEREST

IDENTIFICATION OF MATTERS FOR WHICH THE MEETING MAY SIT BEHIND CLOSED DOORS

PETITIONS AND DEPUTATIONS

REPORTS

Item 1	Conservation Advisory Committee - Proposed Meeting Dates for 2009 - [00906]	Page 5
Item 2	Natural Areas Management Planning - [23569]	Page 8

MOTIONS OF WHICH PREVIOUS NOTICE HAS BEEN GIVEN

REQUESTS FOR REPORTS FOR FUTURE CONSIDERATION

CLOSURE

ITEM 1 CONSERVATION ADVISORY COMMITTEE -

PROPOSED MEETING DATES FOR 2009 -

[00906]

WARD: All

RESPONSIBLE Mr Martyn Glover Infrastructure Services

PURPOSE / EXECUTIVE SUMMARY

The purpose of this report is for the Conservation Advisory Committee (CAC) to set meeting dates for 2009.

BACKGROUND

At its meeting on 20 November Council 2007 Council agreed to:

- "2 (a) ESTABLISH the Conservation Advisory Committee to:
 - To make recommendations to Council for the conservation of the City of Joondalup's natural biodiversity.
 - To provide strategic input and when requested advice on issues relating to the conservation and management of the City's natural biodiversity.
 - ➤ To promote partnerships between Council and the community to protect the City of Joondalup's natural biodiversity as contained within its various natural areas (bushland, wetlands and coastal environment)."

Terms of Reference for the Conservation Advisory Committee can be found in Attachment 1.

DETAILS

CAC Meetings will generally be held every two months in accordance with Council's decision on a Wednesday evening commencing at 6pm. Meetings will be held in the City of Joondalup Civic Centre Conference Rooms.

The proposed meeting schedule is until the 2009 Election. The Local Government Act specifies that all Committees of the Council are disbanded on the Ordinary Election Date.

Proposed dates are as follows:

- Wednesday, 25 February 2009
- Wednesday, 28 April 2009
- Wednesday, 24 June 2009
- Wednesday, 25 August 2009

Link to Strategic Plan:

Objective:

2.1 To ensure that the City's natural environmental assets are preserved, rehabilitated and maintained.

Outcome:

The City's natural environmental assets are preserved for future generations.

Objective:

2.2 To engage proactively with the community and other relevant organisations in the preservation of the City's natural environmental assets.

Legislation – Statutory Provisions:

Not Applicable.

Risk Management considerations:

Not Applicable.

Financial/Budget Implications:

Not Applicable.

Policy implications:

Not Applicable.

Regional Significance:

Not Applicable.

Sustainability implications:

The Conservation Advisory Committee will address and discuss conservation issues at their bi-monthly meetings.

Consultation:

Not Applicable.

COMMENT

Nil.

ATTACHMENTS

Attachment 1 Conservation Advisory Committee Terms of Reference

VOTING REQUIREMENTS

Simple Majority.

RECOMMENDATION

That the Conservation Advisory Committee SETS the following 2009 meeting dates to be held at 6pm in the Joondalup Civic Centre, Boas Avenue, Joondalup:

Wednesday, 25 February 2009 Wednesday, 28 April 2009 Wednesday, 24 June 2009 Wednesday, 25 August 2009 ITEM 2 NATURAL AREAS MANAGEMENT PLANNING

- [23569]

WARD: All

RESPONSIBLE Mr Martyn Glover Infrastructure Services

PURPOSE/ EXECUTIVE SUMMARY

To present the report entitled Natural Areas Management Planning (CJ187-09/08) to the Conservation Advisory Committee for information and advice.

BACKGROUND

At the Conservation Advisory Committee meeting held on 23 April 2008 it was requested that a report be provided on Small Reserve Bushland Management. Due to the Council's recent resolution in relation to reports requested by Advisory Committees, which was that reports be considered by Council in the first instance, this report was submitted to Council on 2 September 2008 for its consideration.

DETAILS

At its meeting held on 2 September 2008 Council was presented with the report CJ187-09/08 Natural Areas Management Planning and resolved as follows:

"2 REFERS Report CJ187-09/08 to the Conservation Advisory Committee for its information and advice."

ATTACHMENTS

Attachment 1 CJ187-09/08 - Natural Areas Management Planning

VOTING REQUIREMENTS

Simple Majority.

RECOMMENDATION

That the Conservation Advisory Committee RECEIVES Report CJ187-09/08 - Natural Areas Management Planning forming Attachment 1 to this Report and provides advice to Council on its subject matter.



APPENDICES FOR AGENDA OF CONSERVATION ADVISORY COMMITTEE

ITEM	TITLE	APPENDIX	PAGE
Item 1	Conservation Advisory Committee - Proposed Meeting Dates For 2009 – Terms of Reference	1	1
Item 2	CJ187-09/08 Natural Areas Management Planning - [23569]	2	3

CONSERVATION ADVISORY COMMITTEE TERMS OF REFERENCE

1. Definitions

"Council" refers to the council of the City of Joondalup.

2. Membership

The committee will consist of the following members, to be determined by the Council:

Four (4) Elected Members Ten (10) Community Representatives

3. Objectives

Establishes the Conservation Advisory Committee to:

- Provide strategic input and when requested advice on issues relating to the conservation and management f the City's natural biodiversity;
- Make recommendations to Council for the conservation of the City of Joondalup's natural biodiversity;
- Promote partnerships between Council and the Community to protect the City of Joondalup's natural biodiversity as contained within its various natural areas (bushland, wetlands and coastal environment)

4. Management

4.1 Terms of Appointment

All appointments to the Advisory Committee shall be by recommendation by the Committee to the Council.

4.2 Chairperson

The Chairperson and Deputy Chairperson shall be elected by the Advisory Committee. In the absence of the Chairperson and Deputy Chairperson, the meeting shall appoint an Acting Chairperson for that particular meeting.

4.3. Meetings

Ordinary meetings shall generally be held on a bimonthly basis; however special meetings may be convened in accordance with the City's Standing Orders Local Law.

4.4. Deputations

The Advisory Committee may invite any person or organisation to attend any meeting, but such persons are not entitled to vote on any decision arising at such meetings. Non committee members may attend the meeting as observers. Prior notice should be given if observers wish to attend. Observers may speak, if acknowledged by the Chairperson.

4.5. Quorum

A quorum shall be 7 members.

4.6. Minutes

Minutes shall be made of all meetings. A copy of confirmed minutes shall be forwarded to the Sustainability Advisory Committee. Minutes of Conservation Advisory Committee meetings shall be available to the public and Committee Members five days after the meeting and an agenda shall be forwarded to all members at least three days prior to the following meeting.

4.7. Working Groups

The Advisory Committee may appoint a number of its members to work together on a specific issue. A working group will undertake only those duties specified by the committee.

4.8. Vacancies

If a casual vacancy is created the Advisory Committee can recommend the appointment of a person for the remainder of the term of office.

4.9. Powers of the Council

Nothing herein shall restrict the powers of the Council.

2008/2009 Five Year Capital Works Program

Foreshore Development & Natural Areas Management Program

2008/09

Approved

Project	Title	Description	Suburbs	Expenditure	Revenue	Fund Source
FNM008	Foreshore and Sand Stabilisation Fencing	Supply and installation of fencing for sand stabilisation and vegetation restoration of coastal dunes	Multiple Suburbs	44,000	0	MUNI
FNM1016	Bushland Reserve Fencing	Fencing of Reserves identified by Council to be protected under the District Planning Scheme 2.	NA	120,000	0	MUNI
FNM1026	Craigie Open Space: Fencing for Native Animals	Installation of Fencing around Craigie Open Space for the protection of Native Animals	Craigie	280,000	0	MUNI
FNM1021	Craigie Open Space – Design & Construct New Escarpment Steps	Remove existing steps leading down the escarpment and replace with new stairway and landings.	Craigie	125,000	0	MUNI

TOTAL PROJECTS: 4 \$569,000 \$0

2008/2009 Five Year Capital Works Program

2009/10

Approved

Project	Title	Description	Suburbs	Expenditure	Revenue	Fund Source
FNM1016	Bushland Reserve Fencing	Fencing of Reserves identified by Council to be protected under the District Planning Scheme 2.	N/A	\$45,000	0	MUNI
FNM1025	Medinah Park Connolly Path construction	Create pedestrian access from Shenton Avenue into Medinah Park and through to Fairway Circle	Connolly	\$85,000	0	MUNI

TOTAL PROJECTS: 2 \$230,000 \$0

2010/11

Approved

Project	Title	Description	Suburbs	Expenditure	Revenue	Fund Source
FNM1016	Bushland Reserve Fencing	Fencing of Reserves identified by Council to be protected under the District Planning Scheme 2.	N/A	150,000	0	MUNI

TOTAL PROJECTS: 1 \$150,000 \$0

2008/2009 Five Year Capital Works Program

2011/12

Approved

Project	Title	Description	Suburbs	Expenditure	Revenue	Fund Source
FNM1015	Bushland Reserve Fencing Removal	Removal of fencing and boundary control facilities to protect native and natural bushland system	Hillarys	100,000	0	MUNI

TOTAL PROJECTS: 1 \$100,000 \$0

2012/13

Approved

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Project	Title	Description	Suburbs	Expenditure	Revenue	Fund	
						Source	
FNM1016	Bushland Reserve Fencing	Fencing of Reserves identified by Council to be protected under the	N/A	100,000	0	MUNI	
		District Planning Scheme 2					

Bushland Reserve Fencing Programme

RESERVE NAME	FENCING STATUS
Porteous Park Sorrento	Complete
Sandalford Park Beldon	Complete
Bonnie Doon Park Connolly	Complete
Fairway Park Connolly	On order
Carnaby Park (medinah) Connolly	No
Pine valley Park Connolly	No
St Michaels Park Connolly	No
Cawarra Park Craigie	No
Caledonia Park Currambine	No
Clermont Park Currambine	On order
Alfreton Park Duncraig	No
Glenbar Park Duncraig	On order
Lilburne Park Duncraig	Complete
Trigonometric Park Duncraig	No
Lake Valley Park Edgewater	No
Quarry Ramble Park Edgewater	No
Littorina Park Heathridge	No
Sir James Mcusker Park Iluka	No
Naturaliste Park Iluka	No
Candlewood Park Joondalup	No
Water tower Park Joondalup	No
Blue Lake Park Joondalup	No
Lakeside park Joondalup	NO
Central Park Joondalup	Commenced
Nanika Park Joondalup	No
Bridgewater park Kallaroo	No
Maritana Park Kallaroo	No
Cadogan park Kingsley	Complete
Cranston Park Kinross	No
Periwinkle Park Mullaloo	Complete
Beaumaris Park Ocean Reef	On order
Timberlane Park Woodvale	On order

CRAIGIE BUSHLAND NATIVE WILDLIFE SANCTUARY

Craigie Bushland is a 53 hectare bushland reserve to the north o0f Whitfords Avenue and west of the Mitchell Freeway and bounded by the Craigie Leisure Centre, the Quindalup dune escarpment and Craigie residential area and the Beenyup waste water treatment plant.

In April 2005 a report was prepared by Jean-Paul Orsini and Associates on the concept for a Wildlife Sanctuary in the Craigie Bushland. The Executive Summary was as follows:

Craigie Bushland is a precious and scenic bushland reserve located at the heart of Perth's northern suburbs and managed by the City of Joondalup. Craigie Bushland, with its 53ha area of well-preserved tuart/jarrah/banksias woodland of outstanding conservation value, has long been recognised as an important community asset, as demonstrated by its inclusion into the State Government's Bush Forever plan.

With the potential reintroduction into the Craigie Bushland of various species of native marsupials that have become rare or extinct in the Perth region, the reserve has the potential to become a sanctuary for Australian native wildlife and a centre of excellence for wildlife management, education and nature-based tourism in the Perth Metropolitan Area, attracting the local community as well as interstate and overseas visitors.

However, for the creation of a future Craigie Bushland Wildlife Sanctuary to be successful, a number of steps would be required.

- Establishing adequate partnerships/linkages with various stakeholders and interested parties: wildlife authorities and other government organisations, community groups, indigenous custodians, private enterprise as well as teaching and research institutions
- Preparing a feasibility study and strategic business plan for the project based on existing expertise and knowledge and including a time table for the project.
- Providing the adequate capital works, expertise, personnel and support to carry the project through in the long term.
- Sourcing adequate funding and resources for all stages of the project.

The project would be well placed as part of the City of Joondalup's Strategic Plan and Tourism Development Plan to provide significant benefits for the local community and Perth visitors alike, while enhancing the image of the City of Joondalup as an innovative and econfriendly destination.

In July 2006, Bennett Environmental Consulting Pty Ltd completed the Management Plan for the Beenyup waste water treatment plant to the north of the site. The summery of this document is as follows:

The main function of the Beenyup Site is for wastewater treatment. The site is bounded by the Mitchell Freeway to the east, Ocean Reef Road to the north, the residential suburb of Craigie to the west and Craigie Open Space, an area of regionally significant bushland to the south.

The Beenyup Site includes:

Wastewater treatment infrastructure

- Commercial land
- Construction Branch Compound
- Woodlot area
- Bush Forever Site 303
- Other bush area
- Quindalup Dune; and
- Site entrance

The Management Plan addresses the rehabilitation of the remnant bushland, both that included in Bush Forever 303 and other Areas. The Plan covers the following:

- Background information on the geology and fauna
- Weeds and their management
- Flora of the Bush Forever section of the Site
- Soil preparation where required
- Rehabilitation techniques including seed collection, propagation of seedlings, timing of planting/sowing;
- Rehabilitation of the Quindalup Dune
- Monitoring the success or otherwise of rehabilitation
- Fire control
- Site aesthetics
- Corridors and linkage
- Community involvement
- Public access and
- Visual amenity

Recommendations are made to employ qualified environmental weed specialists, seed collectors and nurseries to control the weeds and prepare the seeds and seedlings for sowing and planting. All seeds and plant material used for the rehabilitation must be collected from the Site or from the adjoining bush areas with the permission of the owners.

Rehabilitation of the Bush Forever area is to be undertaken first, progressing to the completely degraded sites with time. The first sections to be rehabilitated are the area around the proposed digesters, and the Quindalup Dune once a path and steps have been completed. A time frame has been constructed which allows 12 years for the complete rehabilitation of the Sire and further 3 years to complete the monitoring. Recommendations are made for the preferred sites for future expansion. Waste management is also considered.

The City is currently working towards a partnership with the Water Corporation for the ongoing development of the proposed bush sanctuary to include areas of the bush surrounding the treatment plant and within Water Corporation land. This has resulted in the public access project from the Quindalup escarpment being jointly funded by the City and the Corporation.

In 2008 the City has committed to two parallel projects within the budgets. The first is a feasibility project with the following deliverables:

 A feasibility study for the establishment of a sanctuary in the Craigie Bushland that involves the identification and consultation with key stakeholders taking into consideration natural, cultural and conservation issues surrounding the Craigie Bushland Reserve.

- A report that details the justification for the type of sanctuary, the potential location (site assessments) and types of activities that need to occur.
- Make recommendation on the issues such as financial implications (capital and operating), funding sources, management structures, planning considerations and responsibilities for establishing a sanctuary.

The second is provision of \$280,000 in the 2008/09 budget for a feral animal fence to be erected around the bushland reserve (see attached diagram).

There have been ongoing surveys of fauna within the area of the reserve and the following list provides those which have been identified:

Equip Species	Decembed in Craimia Buchland
Mammals Fauna Species	Recorded in Craigie Bushland
Western Brush Wallaby	Macropus irma
Western Grey Kangaroo	Macropus fuliginosus
Common Brushtail Possum	Trichosorus velpecula
Southern Brown Bandicoot	Isoodon obesulus
Black Rat	Rattus rattus
House Mouse	Mus musculus
European Fox	Vulpes vulpes
European rabbit	Oryctolagus cuniculus
Snakes	Oryclolagus curliculus
Dugite	Pseudonaja affinis
Skinks	F Seudonaja animis
Stripped Skink	Ctenotus fallens
Yellow Bellied Skink	Hemiergis peronii quadrilineata
Greys Skink	Menetia greyii
West Coast Morethia Skink	Morethia lineoocallata
Red Throated Skink	Morethia obscura
Bobtail Skink	
	Tiliqua rugosa
Dragons Western Bearded Dragon	Pogona minor
Birds	Родона пішог
Australian Kestral	Falco anatidae
Australian Shelduck	Tadorna tadornoides
Maned Duck	Chenonetta jubata
Rainbow Bee-eater	Merops ornatus
Sacred Kingfisher Fan tailed Cuckoo	Halycon sancta
	Chryspessy Weidus plagesys
Shining bronze Cuckoo Pallid Cuckoo	Chryscoccyx lucidus plagosus
Inland Thornbill	Cuculus pallidus Acanthiza apacalis
Western warbler	'
	Gerygone fusca
White Browed Scrubwren	Sericornus frontalis maculatis
Blackfaced Cuckoo Shrike	Coracina novaehollandiae
Australian Magpie	Gymnorhina tibicen
Australian raven	Corvus corinoides
Grey Butcherbird	Craciticus torquatus torquatus
Magpie Lark	Grallina cyanoleuca
Splendid Fairy Wren	Malurus splendens splendens

Brown Honey Eater	Lichmera indistincta
Red Wattlebird	Anthocharia carunculate woodwardii
Grey Fantail	Rhipidura fulginosa preissi
Silver Eye	Zasterops lateralis gouldi
Galah	Cacatua roseicappilla
Ringnecked Parrot	Platycercus zonarius
Red Capped Parrot	Purpuricephalus spurius

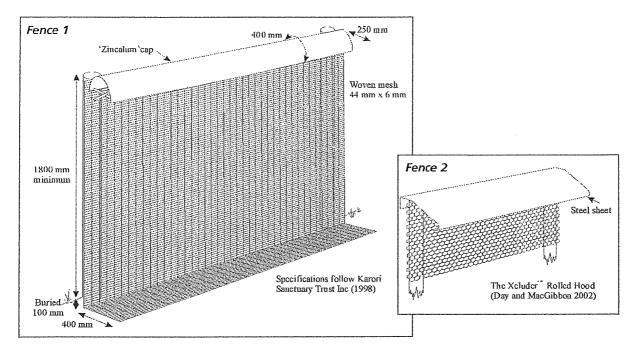
Reports in the progress of these two projects will be provided as the information becomes available.

MARTYN GLOVER

Director Infrastructure Services

28 August 2008

Capped fences – for cats, rabbits and other mammalian pests



Designed to exclude:

All feral mammals (in N.Z.) including rabbits, cats, goats, pigs, mustelids, possums, and rodents.

Examples of use:

Fence 1. Used at the Karori Wildlife Sanctuary, New Zealand to protect native wildlife and native vegetation.

Fence 2. Used at Rapanui Point and Omaha Beach, New Zealand to protect native wildlife.

Features:

- Wire mesh forms an effective barrier
- Wire netting apron prevents animals passing beneath the fence
- Steel roll cap prevents animals climbing over the fence.
- Internal corner angles greater than 120∞ to prevent climbing animals jumping or bracing against adjacent fence panels.

Estimated cost of materials:

Exact material costs are not available for these designs but would exceed \$50,000/km.

Efficiency:

Extensive captive trials of these designs have been conducted. Of the species trialed, cats are of most interest to this report.

Fence 1. The Karori Sanctuary Trust Inc. trialed a small number of cats against this fence, none of which were able to cross it possums were observed to be more proficient climbers than cats and, of the thirty individuals trialed; only two breached the fence. Neither of these animals crossed the fence in a second trial (Karori Sanctuary Trust Inc. 1998).

Fence 2. The XcluderTM Pest Proof Fencing Company's rolled hood successfully excluded the 21 feral cats and 12 wild possums trialed against it (Day and MacGibbon 2002)

Bushland Maintenance Schedule 2007/08

Schedule 2007/08													
			ı						Maint	Rubbish	Inspect	RDO DP,M	S,RW
	Maint			Rubbi sh				July		targa			August
	Est	Est	Est	Est	Est	Est		July		tarya			August
	hrs	cost	cost	hrs	cost	cost	Visits	Actual					
RESERVE	per visit	per visit	per year	per visit	per visit	per year	per year	2nd	9th	16th	23rd	30th	6th
Conservation								0	0	0	0	0	0
Hepburn Heights F	10	500	6500	3	120	1560	13	Maint	32		Inspect		Rubbish
Craigie OS F	10	500	13000	3	120	1560	26/13	Maint	5	5	Inspect		6
Shepards Bush F	10	500	6500	3	120	1560	13	Maint	32			22	4
Warwick OS F	10	500	13000	3	120	1560	26/13	Maint	Rubbish	10	6	7.5	2.5
Lilburne F	10	500	6500	3	120	1560	13	Maint	Rubbish		Inspect	Maint	Rubbish
High Priority													
Lakeside	6	300	3000	2	100	1000	10	Inspect		6	Rubbish		Inspect
Treetop/Quarry	6	300	3000	3	150	1500	10	Inspect		Maint	Rubbish		46
St Clair/Quarry	6	300	3000	3	150	1500	10	Inspect		26.5	Rubbish		Inspect
Timberlane	6	300	3000	3	150	1500	10	Inspect		Maint	Rubbish	1	Inspect
Lakevalley	6	300	3000	2	100	1000	10	Inspect		Maint	Rubbish	1	3
Cranston	6	300	3000	3	150	1500	10	Inspect		Maint	Rubbish		Inspect
Beaumaris	8	320	3200	2	100	1000	10	T	20	32	Maint	Rubbish	
Naturaliste	6	300	3000	1.5	75	750	10		Inspect		6	Rubbish	
Central	6	300	3000	1.5	75	750	10		Inspect		12	Rubbish	
Neil Hawkins	6	300	3000	1.5	75	750	10		Inspect		6	Rubbish	8.5
Clermont	6	300	3000	1.5	75	750	10		Inspect		10	Rubbish	
Bonnie doon	4	200	2000	1.5	60	600	10		Inspect		4	Rubbish	