Weed (Scientific name)	**Phyllostachys aurea & P. nigra**			
Region				
Management Area	**Sydney**			
Landuse	**1. CONSERVATION AND NATURAL ENVIRONMENTS**			
Assumptions				
Invasiveness	**Score**	**Total**		
Q1. What is the ability of the weed to establish amongst existing plants?		**3.0**	Seedlings establish within dense vegetation or weeds	Q1
Q2. What is the weed's tolerance to average weed management practices in the land use?		**2.0**	Between 50 and 95% of weeds survive	Q2
Q3. What is the reproductive ability of the weed in the land use?		**1.0**		Q3
(a) Time to seeding	0.0		>3 yrs/never	
(b) Annual seed production	0.0		None	
(c) Vegetative reproduction	2.0		Frequent	
Q4. How likely is long-distance dispersal (>100m) by natural means?		**0.0**		Q4
(a) Flying animals	0.0		Unlikely	
(b) Other wild animals	0.0		Unlikely	
(c) Water	0.0		Unlikely	
(d) Wind	0.0		Unlikely	
Q5. How likely is long-distance dispersal (>100 m) by human means?		**1.0**		Q5
(a) Deliberate spread by people	2.0		Common	
(b) Accidentally by people and vehicles	0.0		Unlikely	
(c) Contaminated produce	0.0		Unlikely	
(d) Domestic/farm animals	0.0		Unlikely	
Total		**4.7**		

Impacts	Score	Total		
Q1. Does the weed reduce the establishment of desired plants?		**2.0**	10 - 50% reduction	Q1
Q2. Does the weed reduce the yield or amount of desired vegetation?		**2.0**	10 - 25% reduction	Q2
Q3. Does the weed reduce the quality of products, diversity or services available from the land use?		**1.0**	Low	Q3
Q4. What is the weed's potential to restrict the physical movement of people, animals, vehicles, machinery and/or water?		**3.0**	High	Q4
Q5. What is the weed's potential to negatively affect the health of animals and/or people?		**?**	Do not know	Q5
Q6. Does the weed have major positive or negative effects on environmental health?		**3.0**		Q6
(a) food/shelter	1.0		Major negative effect	
(b) fire regime	1.0		Major negative effect	
(c) altered nutrient levels	?		Do not know	
(d) soil salinity	?		Do not know	
(e) soil stability	?		Do not know	
(f) soil water table	?		Do not know	
Total		**6.6**		
Potential Distribution				
Q1. Within the geographic area being considered, what is the percentage area of land use that is suitable for the weed?		**0.5**	<5% of land use	Q1
Comparative weed risk score		**15**		
Weed risk category		**Low**		

Control Costs	Score	Total		
Q1. How detectable is the weed?		**1**		Q1
(a) Distinguishing features	0		always distinct	
(b) Period of year shoot growth visible	0		> 8 months	
(c) Height at maturity	0		> 2 m	
(d) Pre-reproductive height in relation to other vegetation	2		below canopy	
Q2. What is the general accessibility of known infestations at the optimum time of treatment?		**1**	medium	Q2
Q3. How expensive is management of the weed in the first year of targeted control?		**5**		Q3
(a) Chemical costs/ha	4		very high (>$500/ha)	
(b) Labour costs/ha	4		very high (>$500/ha)	
(c) Equipment costs	2		medium	
Q4. What is the likely level of participation from landholders/volunteers within the land use at risk?		**1.0**	medium	Q4
Total		**6.7**		

Persistence	Score	Total		
Q1. How effective are targeted management treatments applied to infestations of the weed?		**3**	low	Q1
Q2. What is the minimum time period for reproduction of sexual or vegetative propagules?		**3**	< 6 months	Q2
Q3. What is the maximum longevity of sexual or vegetative propagules?		**0**	< 2 years	Q3
Q4. How likely are new propagules to continue to arrive at control sites, or to start new infestations?		**2.0**		Q4
(a) Long-distance (>100m) dispersal by natural means	0		rare	
(b) Long-distance (>100m) dispersal by human means	2		frequent	
Total		**7.3**		

Current distribution				
Q1. What percentage area of the land use in the geographical area is currently infested by the weed?		**0.1**	<1% of land use	Q1
Q2. What is the number of infestations, and weed distribution within the geographic area being considered?		**1.0**	scattered	Q2
Total		**0.9**		

Comparative feasibility of coordinated control score	**44**	
Feasibility of coordinated control category	**Medium**	

Management priority category	**Limited Action**
Calculation of overall uncertainty score	**5%**
Response	**Submit Assessment**
Positive Impacts	

References/Other comments

Re: Sources: Many of the questions above answered as a group by: C Williams & J Vollmer - Sydney North WC, M Costigan & D Whiteman - Sydney West/Blue Mountains WC, J Hill - S
assistance of Sue Stevens.

Source and comments
Establishes vegetatively in most cases. SS Colonises disturbed ground well. Is also very competetive. http://www.botany.hawaii.edu/faculty/daehler/WRA/full_table.asp
see below
Reproduces vegetatively, sometimes forming huge clones up to 100 acres.http://www.hear.org/Pier/species/arundo_donax.htm

pers. obs. SS
http://www.nps.gov/plants/alien/fact/ardo1.htm

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http://www.nps.gov/plants/alien/fact/ardo1.htm

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pers. obs. SS

Requires intensive treatment and repeated treatment.

Depends on whether propagule is still connected to the parent plant.

ydney Central SC, M Thrulow South-western Sydney WC and L Kaye -NPWS, with the