

<b>Weed (Scientific name)</b>	<b>Salix fragilis - Salicaceae</b>		
<b>Region</b>			
<b>Management Area</b>			
<b>Landuse</b>			
<b>Assumptions</b>	<b>Much willow biology/ecology information is genus - specific only (info excludes sterile spp.). SS</b>		
<b>Invasiveness</b>	<b>Score</b>	<b>Total</b>	
<b>Q1. What is the ability of the weed to establish amongst existing plants?</b>		<b>1.0</b>	Seedlings establish after moderate disturbance Q1
<b>Q2. What is the weed's tolerance to average weed management practices in the land use?</b>			Q2
<b>Q3. What is the reproductive ability of the weed in the land use?</b>		<b>3.0</b>	Q3
(a) Time to seeding	?		Do not know
(b) Annual seed production	2.0		High
(c) Vegetative reproduction	2.0		Frequent
<b>Q4. How likely is long-distance dispersal (&gt;100m) by natural means?</b>		<b>3.0</b>	Q4
(a) Flying animals	2.0		Common
(b) Other wild animals	1.0		Occasional
(c) Water	2.0		Common
(d) Wind	2.0		Common
<b>Q5. How likely is long-distance dispersal (&gt;100 m) by human means?</b>		<b>2.0</b>	Q5
(a) Deliberate spread by people	2.0		Common
(b) Accidentally by people and vehicles	1.0		Occasional
(c) Contaminated produce	0.0		Unlikely
(d) Domestic/farm animals	0.0		Unlikely
<b>Total</b>			

<b>Impacts</b>	<b>Score</b>	<b>Total</b>	
Q1. Does the weed reduce the establishment of desired plants?		<b>3.0</b>	> 50% reduction Q1
Q2. Does the weed reduce the yield or amount of desired vegetation?		<b>4.0</b>	> 50% reduction Q2
Q3. Does the weed reduce the quality of products, diversity or services available from the land use?		<b>3.0</b>	High Q3
Q4. What is the weed's potential to restrict the physical movement of people, animals, vehicles, machinery and/or water?		<b>3.0</b>	High Q4
Q5. What is the weed's potential to negatively affect the health of animals and/or people?		<b>3.0</b>	High Q5
Q6. Does the weed have major positive or negative effects on environmental health?		<b>3.0</b>	Q6
(a) food/shelter	1.0		Major negative effect
(b) fire regime	?		Do not know
(c) altered nutrient levels	1.0		Major negative effect
(d) soil salinity	?		Do not know
(e) soil stability	1.0		Major negative effect
(f) soil water table	1.0		Major negative effect
<b>Total</b>		<b>10.0</b>	
<b>Potential Distribution</b>			
Q1. Within the geographic area being considered, what is the percentage area of land use that is suitable for the weed?			Q1
<b>Comparative weed risk score</b>			
<b>Weed risk category</b>			

<b>Control Costs</b>	<b>Score</b>	<b>Total</b>
<p><b>Q1. How detectable is the weed?</b>            (a) Distinguishing features            (b) Period of year shoot growth visible            (c) Height at maturity            (d) Pre-reproductive height in relation to other vegetation</p> <p><b>Q2. What is the general accessibility of known infestations at the optimum time of treatment?</b></p> <p><b>Q3. How expensive is management of the weed in the first year of targeted control?</b>            (a) Chemical costs/ha            (b) Labour costs/ha            (c) Equipment costs</p> <p><b>Q4. What is the likely level of participation from landholders/volunteers within the land use at risk?</b></p> <p style="text-align: right;"><b>Total</b></p>	<p style="text-align: center;"><b>2</b></p> <p>1 1 0 2</p>	<p>sometimes distinct 4-8 months &gt; 2 m below canopy</p> <p style="text-align: center;"><b>2</b></p>
<p><b>Persistence</b></p> <p><b>Q1. How effective are targeted management treatments applied to infestations of the weed?</b></p> <p><b>Q2. What is the minimum time period for reproduction of sexual or vegetative propagules?</b></p> <p><b>Q3. What is the maximum longevity of sexual or vegetative propagules?</b></p> <p><b>Q4. How likely are new propagules to continue to arrive at control sites, or to start new infestations?</b>            (a) Long-distance (&gt;100m) dispersal by natural means            (b) Long-distance (&gt;100m) dispersal by human means</p> <p style="text-align: right;"><b>Total</b></p>	<p style="text-align: center;"><b>3</b></p> <p style="text-align: center;"><b>0</b></p> <p style="text-align: center;"><b>2.0</b></p> <p>2 1</p>	<p>&lt; 6 months</p> <p>&lt; 2 years</p> <p>frequent occasional</p>
<p><b>Current distribution</b></p> <p><b>Q1. What percentage area of the land use in the geographical area is currently infested by the weed?</b></p> <p><b>Q2. What is the number of infestations, and weed distribution within the geographic area being considered?</b></p> <p style="text-align: right;"><b>Total</b></p>		
<p><b>Comparative feasibility of coordinated control score</b></p> <p><b>Feasibility of coordinated control category</b></p>		

<p style="text-align: center;"><b>Management priority category</b></p> <p style="text-align: center;"><b>Calculation of overall uncertainty score</b></p> <p style="text-align: center;"><b>Response</b></p>	
<p style="text-align: center;"><b>Positive Impacts</b></p>	
<p><b>References/Other comments</b></p>	

**Source and comments**

? Spreads mostly along creeklines and rivers. [http://www.dpi.qld.gov.au/4790\\_7422.htm](http://www.dpi.qld.gov.au/4790_7422.htm)

[http://www.dpi.qld.gov.au/4790\\_7422.htm](http://www.dpi.qld.gov.au/4790_7422.htm)

[http://www.weeds.org.au/WoNS/willows/docs/Willows\\_Sect1.pdf](http://www.weeds.org.au/WoNS/willows/docs/Willows_Sect1.pdf)

[http://www.dpi.qld.gov.au/4790\\_7422.htm](http://www.dpi.qld.gov.au/4790_7422.htm)

[http://www.weeds.org.au/WoNS/willows/docs/Willows\\_Sect1.pdf](http://www.weeds.org.au/WoNS/willows/docs/Willows_Sect1.pdf) Richardson, Richardson & Shepherd

Still planted as a measure to reduce stream bank erosion, but this only has a temporary effect. [http://www.weeds.org.au/WoNS/willows/docs/Willows\\_Sect1.pdf](http://www.weeds.org.au/WoNS/willows/docs/Willows_Sect1.pdf)

Shade out terrestrial and aquatic plants.  
[http://www.weeds.org.au/WoNS/willows/docs/Willows\\_Sect1.pdf](http://www.weeds.org.au/WoNS/willows/docs/Willows_Sect1.pdf)

Thicket forming. [http://www.weeds.org.au/WoNS/willows/resources.htm#risk\\_assessment](http://www.weeds.org.au/WoNS/willows/resources.htm#risk_assessment)

[http://www.weeds.org.au/WoNS/willows/docs/Willows\\_Sect1.pdf](http://www.weeds.org.au/WoNS/willows/docs/Willows_Sect1.pdf)

Roots spread into beds of watercourses, which slows water flow, reduces aeration and causes flooding and erosion. [http://www.dpi.qld.gov.au/4790\\_7422.htm](http://www.dpi.qld.gov.au/4790_7422.htm)

Not poisonous, [http://www.weeds.org.au/WoNS/willows/resources.htm#risk\\_assessment](http://www.weeds.org.au/WoNS/willows/resources.htm#risk_assessment) but See Q6.

Shade out rivers, damaging their natural ecology, killing aquatic fauna and flora. Consume large amounts of water. Cause increased erosion and flooding.  
[http://www.weeds.org.au/WoNS/willows/docs/Willows\\_Sect1.pdf](http://www.weeds.org.au/WoNS/willows/docs/Willows_Sect1.pdf)

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