

**Table 8a: Williams Island Study Area - Baseline Study Data Summary;
JRPS Habitat Restoration Project (Phase 1) - Invasive Plant Management Plan**

Lead Data Collection Team: VHB (Senfield)
Support Data Collection Teams: JRPS (Burrell)
Date of Fieldwork: TBD
Total Time in Field: TBD



Functional Guild	Scientific Name	Common Name	Family	DCR Rank*	Suggested Treatment***	Management Unit**								
						1	2	3	4	5	6	7	8	
Trees	<i>Acer platanoides</i> L.	Norway Maple	Aceraceae	M										
	<i>Ailanthus altissima</i> (P. Mill.) Swingle	Tree of Heaven	Simaroubaceae	H										
	<i>Albizia julibrissin</i> Durazz.	Silktree	Fabaceae	M										
	<i>Melia azedarach</i> L.	Chinaberrytree	Meliaceae	L										
	<i>Morus alba</i> L.	White Mulberry	Moraceae	L										
	<i>Paulownia tomentosa</i> (Thunb.) Sieb. & Zucc. ex Steud.	Princesstree	Scrophulariaceae	M										
<i>Pyrus calleryana</i> Dcne.	Bradford Pear	Rosaceae	M											
Shrubs	<i>Berberis thunbergii</i> DC.	Japanese Barberry	Berberidaceae	M										
	<i>Elaeagnus umbellata</i> Thunb.	Autumn Olive	Elaeagnaceae	H										
	<i>Euonymus alatus</i> (Thunb.) Sieb.	Burningbush	Celastraceae	H										
	<i>Ligustrum sinense</i> Lour.	Chinese Privet	Oleaceae	H										
	<i>Lonicera maackii</i> (Rupr.) Maximowicz	Amur Honeysuckle	Brassicaceae	H										
<i>Rosa multiflora</i> Thunb. ex Murr.	Multiflora Rose	Rosaceae	H											
Herbs/Grasses	<i>Alliaria petiolata</i> (Bieb.) Cavara & Grande	Garlic Mustard	Brassicaceae	H										
	<i>Centaurea stoebe</i> L. ssp. <i>micranthos</i> (S.G. Gmelin ex Gule)	Spotted Knapweed	Asteraceae	H										
	<i>Cirsium vulgare</i> (Savi) Ten.	Bull Thistle	Asteraceae	M										
	<i>Commelina communis</i> L.	Asiatic dayflower	Commelinaceae	L										
	<i>Hydrilla verticillata</i> (L. f.) Royle	Hydrilla	Hydrocharitaceae	H										
	<i>Iris pseudacorus</i> L.	Paleyellow Iris	Iridaceae	H										
	<i>Lespedeza cuneata</i> (Dum.-Cours.) G. Don	Chinese Lespedeza	Fabaceae	H										
	<i>Lysimachia nummularia</i> L.	Moneywort	Primulaceae	H										
	<i>Murdannia keisak</i> (Hassk.) Hand.-Maz.	Marsh Dewflower	Commelinaceae	H										
	<i>Persicaria longiseta</i> (de Bruyn) Moldenke	Lady's Thumb	Polygonaceae	H										
	<i>Phyllostachys aurea</i> Carr. ex A.&C. Rivière	Golden Bamboo	Poaceae	H										
	<i>Reynoutria japonica</i> Houtt.	Japanese Knotweed	Polygonaceae	M										
	<i>Rumex acetosella</i> L.	Common Sheep Sorrel	Polygonaceae	H										
	<i>Rumex crispus</i> L.	Curly Dock	Polygonaceae	M										
	<i>Securigera varia</i> (L.) Lassen	Crownvetch	Fabaceae	L										
	<i>Stellaria media</i> (L.) Vill.	Common Chickweed	Caryophyllaceae	H										
	<i>Urtica dioica</i> L.	Stinging Nettle	Urticaceae	M										
	<i>Arthraxon hispidus</i> (Thunb.) Makino	Small Carpgrass	Poaceae	M										
	<i>Microstegium vimineum</i> (Trin.) A. Camus	Japanese Stiltgrass	Poaceae	H										
	<i>Sorghum halepense</i> (L.) Pers.	Johnsongrass	Poaceae	H										
Vines	<i>Ampelopsis brevipedunculata</i> (Maxim.) Trautv.	Amur Peppervine	Vitaceae	H										
	<i>Celastrus orbiculata</i> Thunb. [orthographic variant]	Oriental Bittersweet	Celastraceae	H										
	<i>Dioscorea polystachya</i> Turczaninow	Cinnamon Vine	Poaceae	H										
	<i>Euonymus fortunei</i> (Turcz.) Hand.-Maz.	Winter Creeper	Celastraceae	M										
	<i>Glechoma hederacea</i> L.	Ground Ivy	Lamiaceae	M										
	<i>Hedera helix</i> L.	English Ivy	Araliaceae	M										
	<i>Humulus japonicus</i> Sieb. & Zucc.	Japanese Hop	Cannabaceae	M										
	<i>Lonicera japonica</i> Thunb.	Japanese Honeysuckle	Caprifoliaceae	H										
	<i>Pueraria montana</i> (Lour.) Merr.	Kudzu	Fabaceae	H										
	<i>Vinca major</i> L.	Bigleaf Periwinkle	Apocynaceae	L										
	<i>Vinca minor</i> L.	Common Periwinkle	Apocynaceae	L										
<i>Wisteria sinensis</i> (Sims) DC.	Chinese Wisteria	Fabaceae	M											
					Cover Class for Trees:									
					Cover Class for Shrubs:									
					Cover Class for Herbs:									
					Cover Class for Vines:									
					OVERALL COVER CLASS:									

*Virginia Department of Conservation and Recreation Invasiveness Ranking: H = High Invasiveness; M = Medium Invasiveness; L = Low Invasiveness

**Management Units Assessed Using Modified Braun-Blanquet Cover Scale: 1 = 0-5% (BLUE); 2 = 5-20% (GREEN); 3 = 20-50% (YELLOW); 4 = 50-75% (ORANGE); 5 = 75-100% (RED)

***Treatment practices based on Miller 2003 and JRPS Park Superintendent

Treatment Category***	Treatment Description***
A	Hand Removal: Removal of plant material from the soil in environmentally sensitive areas.
B	Goat Herd Management: Rotating herds to remove dense cover and combo treatments.
C	Mow-Treat Method: Application of herbicide-water mixtures to cut/damaged stems or foliage.
D	Cut-Treat Method: Application of herbicide-water mixtures to freshly cut stumps.
E	Basal Spray: Applications of herbicide-oil-penetrant mixture daubed onto lower stems.
F	Stem Injection: Applications of appropriate herbicide directly into tree stems.
G	Prescribed Burning: Drip torching and other methods utilizing experienced professionals.
H	Directed Foliar Spray: Application to leaves with herbicide-water-surfactant mixture.