

Attacment #2: TABLE 2- SUMMARY OF BIOLOGICAL CONTROL AGENT RELEASES IN SAN JUAN COUNTY

Weed Species	Biological Control Agent	Order	Island	Approximate Location	Established?	Established Location	Latitude	Longitude	Year Released	Number Released	Released By	Notes	
Scotch Broom (<i>Cytisus scoparius</i>)	<i>Exapion fuscirostre</i>	Coleoptera	Orcas	Deer Pt Road	no?		48°36.324	122°48.341	1999	200	R. Lee		
			Orcas	Orcas Landing	?		48°35.962	122°56.716	1992, 2010	200	R. Lee		
			Orcas	Tank Corner	no		48°41.742	122°53.097	1992, 2010	200	R. Lee		
		<i>Bruchidius villosus</i>	Coleoptera	Orcas	Deer Harbor	yes#	all ferry islands	48°38.170	122°59.880	2006?	?	R. Lee, J. Andreas	
				Lopez	Fish.Bay Road at Dill Road	yes#	all ferry islands	48°29.782	122°55.481	2008	400	R. Lee, J. Jackson	
				Lopez	Burt Road	yes#	all ferry islands	48°27.824	122°55.603	2008	400	R. Lee, J. Jackson	
	<i>Aceria genistae</i>	Arachnida (Acari)			yes#	Orcas	48°40.926	122°52.836			unknown	not a registered biocontrol	
Gorse (<i>Ulex europaeus</i>)	<i>Tetranychus lintearis</i>	Arachnida (Acari)	Orcas	Olga Road @ Pickett Spring	yes#	across from Pickett Spring Farm	48°37.948	122°48.625	2000		R. Lee		
			San Juan	Eagle Cove	no		48°27.929	123°27.929	2001		R. Lee		
Tansy Ragwort (<i>Senecio jacobaea</i>)	<i>Botanophila seneciella</i>	Diptera	Orcas	Rags Road	yes#	all ferry islands	48°40.286	122°46.878	2007	500	R. Lee		
	<i>Tyria jacobaeae</i>	Lepidoptera	Orcas	?	yes#	all ferry islands	?	?	before 1998	?	unknown	no longer allowed for new distribution	
			San Juan	Mt Dallas	yes	all ferry islands			before 1990	?	Extension agent	no longer allowed for new distribution	
	<i>Longitarsus jacobaeae</i>	Coleoptera	Orcas	Rags Road	yes	east lobe Orcas	48°40.286	122°46.878	2007	600	R. Lee		
			Orcas	Eagle Lake	yes	east lobe Orcas	48°39.691	122°45.965	2007	300	R. Lee		
			Orcas	Moran State Park	yes	east lobe Orcas	48°37.425	122°51.400	2000	ca.500	R. Lee		
			Orcas	Purdue Lake	yes	east lobe Orcas	48°41.404	122°51.642	2000	ca.300	R. Lee		
			Orcas	Moran State Park	yes	east lobe Orcas	?	?	?	?	T. Schultz		
			Orcas	Bartel Road	Yes	east lobe Orcas	?	?	before 1998	?	Extension Agent		
			Orcas	Eagle Lake	yes	east lobe Orcas	48°39.691	122°45.965	2007	?	Lee, Jackson, Andreas		
			San Juan	Doran property	yes	near False Bay	48°28.691	123°02.835	2005?	?	F. Ellis		
			San Juan	Trout Lake access Rd		off Prohaska Rd	48°31.414	123°06.75	2010	200	J. Jackson, R. Lee	elev. 206'	
Poison Hemlock (<i>Conium maculatum</i>)	<i>Agonopterix alstroemeriana</i>	Lepidoptera	Lopez	Base of Sperry Peninsula	yes#	all ferry islands	48°27.574	122°49.217	2003	ca 200	R. Lee		
			San Juan	Lime Kiln Preserve	yes#	all ferry islands	48°31.208	123°08.960	2003	ca. 200	R. Lee		
Canada Thistle (<i>Cirsium arvense</i>)	<i>Urophora cardui</i> (galls)	Diptera	Orcas	Moran State Park	yes	Moran State Park	48°38.861	122°49.356	2006	200	Lee, Jackson, Andreas		
			Orcas	Eagle Lake	no		48°40.096	122°46.431	2007	200	Lee, Jackson, Andreas		
			Lopez	Scranton Property	no?		48°29'18.24 "	122°53'43.29 "	2006	200	R. Lee, J. Jackson		
			Orcas	Moran State Park	yes?	Moran State Park	48°38.861	122°49.356	2010	200 galls	R. Lee		
			Orcas	Eagle Lake	no?		48°40.096	122°46.431	2006	200	R. Lee, J. Jackson		
	<i>Larinus planus</i>	Coleoptera	Lopez	Iceberg Point	?		?	?	?	?	BLM		
	<i>Urophora cardui</i> (galls)	Diptera	Orcas	Moran State park	yes	Moran State Park	48°38.863	122°49.368	2010	340	R. Lee		
Spotted Knapweed (<i>Centaurea stoebe</i>)	<i>Larinus minutus</i>	Coleoptera	San Juan	Friday Harbor	no		48°32.184	123°01.141	1998	?	R. Lee		
	<i>Metzneria paucipunctella</i>	Lepidoptera	San Juan	Friday Harbor	no		"	"	1998	?	R. Lee		
	<i>Urophora affinis</i>	Diptera	San Juan	Friday Harbor	yes?	behind Presbyterian Chu	48°32.184	123°01.160	1998	?	R. Lee		
Meadow Knapweed (<i>C. jacea</i> x <i>nigra</i>)	<i>Larinus minutus</i>	Coleoptera	Lopez	Fisherman Bay Road	no		48°28.910	122°54.928	2001	?	R. Lee		
			San Juan	West Valley Road	?		48°34.350	123°244	2007,8,9	?	R. Lee, Jackson		
	<i>L. obtusus</i>	Coleoptera	Lopez	Fisherman Bay Road	yes	at Harris farm	48°28'44.65*	122°54'27.67 *	2005,6,7	?	Lee, Jackson, Andreas	heavy predation by deer noted	
				Stonecrop Road	yes	at Walmsley prop.	48°36'11.37 "	122°56'10.70*	2006, 7	?	Lee, Jackson, Andreas		
	<i>Cyphocloneus achates</i>	Coleoptera	Orcas	Stonecrop Road	no		"	"	2007	?	J. Jackson, J. Andreas		
Purple Loosestrife (<i>Lythrum salicaria</i>)	<i>Galerucella spp.</i>	Coleoptera	Orcas	Richardson Marsh	yes	Bullock Property	48°37.548	123°00.783	2005,6,7,8,9,11,12	?(250 in 2011)	Lee, Jackson, Andreas		
			Orcas	Boddington Road	yes	ponds at head of creek	48°38.359	122°57.172	2005,6,7,8,11	?(250 in 2011)	Lee, Jackson, Andreas		
				Shaw	?	Mom's marsh	48°33.7	122°57.028	2010	250	J. Jackson		
					?	Mom's Marsh	48°33.7	122°57.028	2010	250	J. Jackson		
			Lopez	Redgate Lane	yes	pond and base of driveway	48°31.946	122°54.269	2006	?	S. Dumond		
St John's Wort (<i>Hypericum perforatum</i>)	<i>Chrysolina spp.</i>	Coleoptera	San Juan	Three Meadows	yes	Three Meadows	48°33.541	123°03.972	2004	200	R. Lee		
			Orcas	Mt. Woolard	yes?	ROW top of road	48°37.707	122°54.892	2004	200	R. Lee		
			Orcas	Mt. Woolard	yes	ROW top of road	"	"	2005,6	?	R. Lee, J. Jackson		
			Lopez	Bayshore Spit		triangle at end of spit	48°30.588	122°56.001	2008	?	R. Lee, J. Jackson		
	<i>Aplocera plagiata</i>	Lepidoptera	Orcas	Mt. Woolard	no?		48°37.707	122°54.892	2006	?	J. Jackson, J. Andreas		
	<i>Agrilus hyperici</i>	Coleoptera	Orcas	Mt. Woolard	no?		48°37.707	122°54.892	2006	?	J. Jackson, J. Andreas		

#probably already naturalized at low levels

*reading from Google Map. All others from hand held