

Provincial Parks

Summary of species found during field work during February 2010*

*Only includes evergreen species and recognizable deciduous species

Common name	Scientific name	Alice Lake	Porteau Cove	Murrin	Shannon Falls	Stawamus Chief
common burdock	<i>Arctium sp.</i>	1 to 2	1			1
butterfly bush	<i>Buddleja davidii</i>		1 to 2			
knapweed	<i>Centaurea sp.</i>		1			
Scotch Broom	<i>Cytisus scoparius</i>	1 to 2	1 to 2			1
Japanese Knotweed	<i>Fallopia japonica</i>	1 to 2				
English Ivy	<i>Hedera helix</i>		1 to 2	1		
English Holly	<i>Ilex aquifolium</i>		1 to 2			1
Himalayan Blackberry	<i>Rubus discolor</i>		1 to 2		1 to 2	1 to 2
cut leaf blackberry	<i>Rubus laciniatus</i>		1			
Periwinkle	<i>Vinca minor</i>	1 to 2			1 to 2	

Legend

- 1 = small infestation, less than a day to eradicate
- 2 = medium infestation, multiple day eradication efforts
- 3 = large infestation, multi-year eradication efforts

Alice Lake Provincial Park

Chris Platz, Area Supervisor for Garibaldi Provincial Park, notified crew about a small clump of Japanese knotweed (*Fallopia japonica*) at the Stump Lake Parking lot, and a few Scotch broom (*Cytisus scoparia*) near the sign at the park entrance off Highway 99. Both sites have been inventoried to be entered into the IAPP database. Note that site #263023 is not within the Park boundary; it appears to be a road allowance for DL 7219, of which several lots are now sold and privately owned; it may be that this road allowance is adopted by the Regional District.

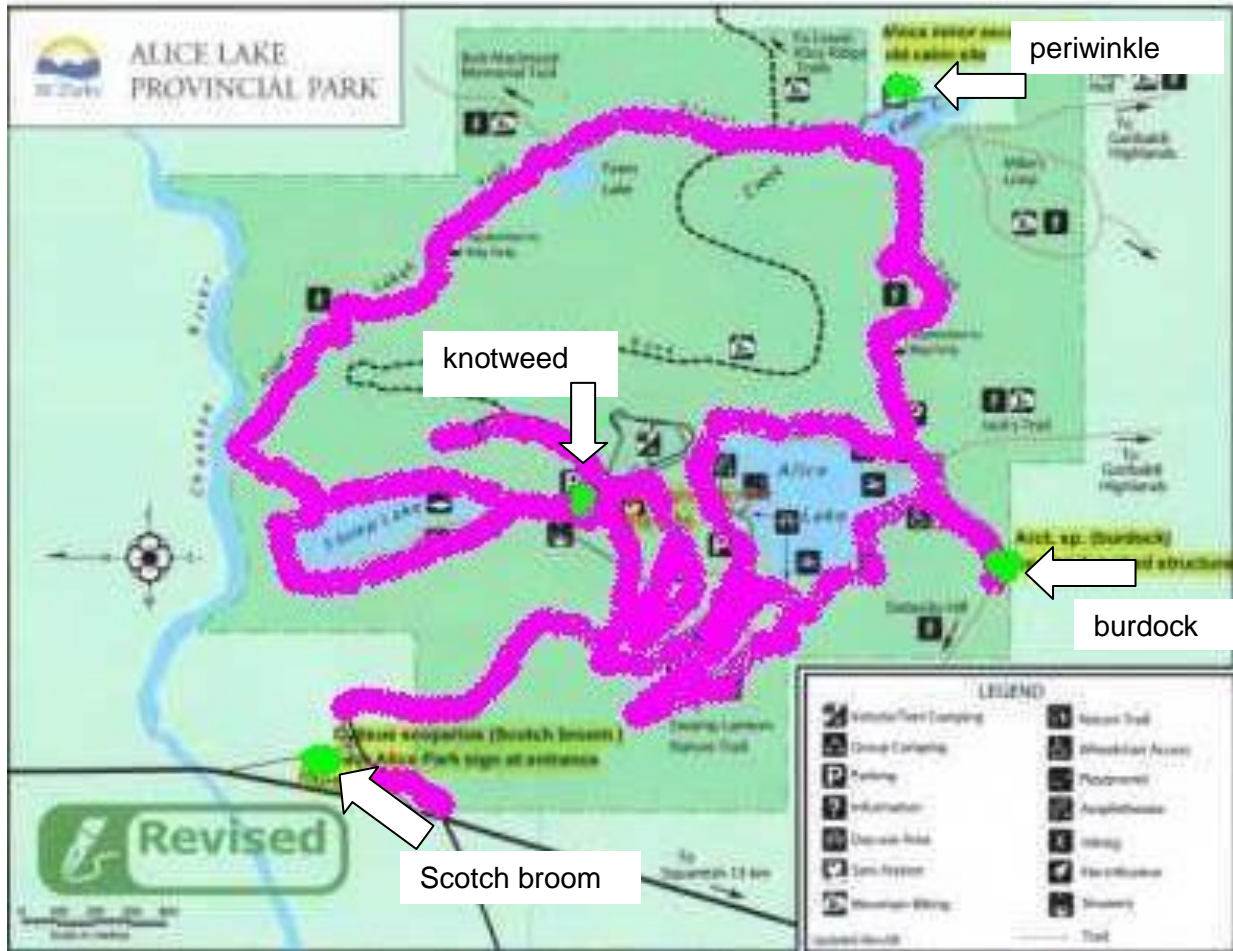


Figure 1: Route (pink) covered by field crew 11 Jan 2010; IAPP sites highlighted (green)



Figure 2: Knotweed at Stump Lake (#263017)



Figure 3: Scotch broom at Alice Lake entrance (#263023)

Also, a small patch of periwinkle (*Vinca minor*) was found in the landscaped area at the old cabin site near Edith Lake. This is outside the Park boundary:



Figure 4: Garden area, Edith Lake (Site # 263019)



Figure 5: Periwinkle in garden area

By a wooden structure on the Debeck Hill –and possibly just outside the Park boundary – a patch of burdock (*Arctium sp.*) was found.



Figure 6: Site #263022



Figure 7: Burdock Site #263022

All infestations are of low distribution and density and could easily be eradicated from the Park.

Table 1: Summary of findings for Alice Lake

IAPP Site #	UTM		Area ha	Location	Species	Area /ha	Distribution	Density	Comment
	Easting	Northing							
263017	491326	5514535	0.001	Stump Lake	Japanese knotweed	0.001	Single patch	High	
263019	492358	5513701	0.04	Edith Lake	Periwinkle	0.04	Several sporadically occurring individuals	Medium	Outside Park boundary
263022	491336	5513548	0.09	Debeck Hill	Burdock	0.09	Several well-spaced patches	High	Outside Park boundary?
263023	490452	5515115	0.01	Alice Lake entrance	Scotch broom	0.01	Single clump or cluster of individuals	Medium	Private or SLRD

Porteau Cove

This site has several invasive species distributed throughout the Park spreading in from the railway right-of-way that runs adjacent to the Park boundary. Species of main concern are English ivy (*Hedera helix*), English holly (*Ilex aquifolium*), butterfly bush (*Buddleja davidii*), Scotch broom (*Cytisus scoparius*), common burdock (*Arctium sp.*). Due to the small area of the Park and the relatively low distribution of the invasive species, treatment is recommended to stop further spread. There are four large historically valuable holly trees in the Park that have been included in the inventory. Also, there is a species of knapweed growing around the dock parking lot.

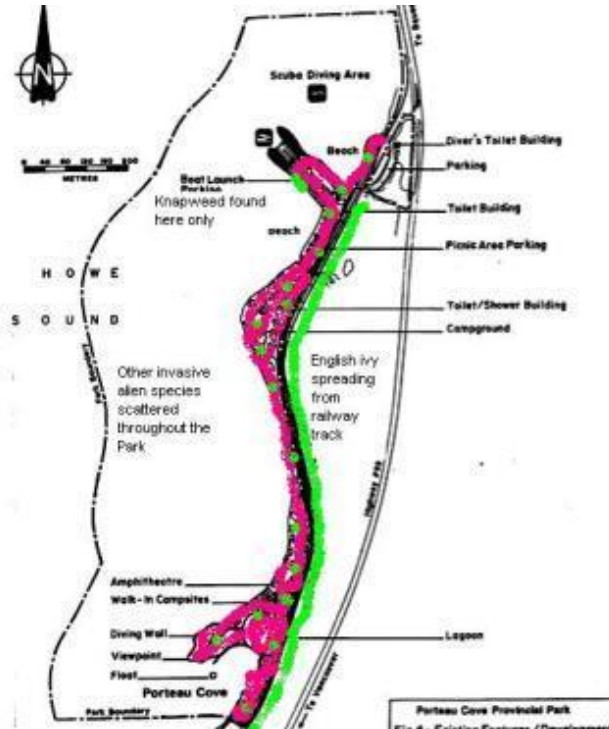


Figure 8: Route and land base (pink) covered by field crew; IAP's highlighted green



Figure 9: Knapweed (#263072)



Figure 10: English ivy along railway (#263081)

Table 2: Summary of findings for Porteau Cove

IAPP Site #	UTM		Area /ha	Location	Species	Distribution	Density	Comment
	Easting	Northing						
263072	482975	5489660	0.5	Dock parking lot	Knapweed	Continuous uniform occurrence	Medium	
					Scotch broom	Rare individual	Low	
263077	482942	5489079	0.3	From campsite 44 to yellow gate	Scotch broom	Few sporadically occurring individuals	Low	
					Cut-leaf blackberry	A few patches or clumps	Medium	
					Butterfly bush	A few sporadically occurring individuals	Medium	
					Burdock	Rare individual	Low	
					English ivy	Several well-spaced clumps or patches	Low	
263081	482877	5489332	0.2	From yellow gate to gatehouse	English ivy	Several well-spaced clumps or patches	High	Campsites & railway
					Scotch broom	Few sporadically occurring individuals	Low	
					Himalayan blackberry	Few sporadically occurring individuals	Low	
263086	482867	5488223	0.25	Rangers House	Butterfly bush	Few sporadically occurring individuals	Low	
					English holly	Few sporadically occurring individuals	Low	
					Scotch broom	Rare individual	Low	
					Himalayan blackberry	Rare individual	Low	
263089	482046	5488833	1.0	Campsite and green space on water's edge	English holly	Several sporadically occurring individuals	Medium	
					Himalayan and cut-leaf blackberry	Single patch	Low	
					English ivy	Rare individual	Low	

Murrin Park

Only one small patch of English Ivy was found at the southern end of the lake close to the highway. Removal is recommended.

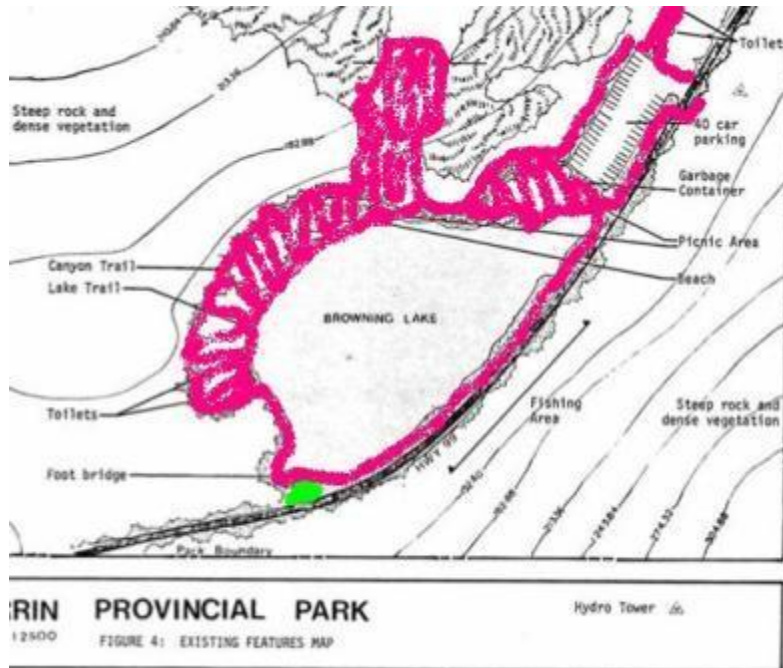


Figure 11: Route and landbase (pink) covered by field crew



Figure 12: English ivy (#263030)

Table 3: Summary of findings for Murrin Park

IAPP Site #	UTM		Area ha	Location	Species	Distribution	Density	Comment
	Easting	Northing						
263030	485042	5498992	0.002	South end of lake	English ivy	Single patch	Medium	

Shannon Falls

This Park is relatively free of invasive plants except for a small patch of periwinkle and Himalayan blackberry (*Rubus discolor*) on the lower trail at the south end of the Park, and another patch of blackberry and a thistle on the trail connecting to the Stawamus Chief Park. Removal is recommended. Also, a species of cleaver was found in the southern end of the park but was not included in the inventory.

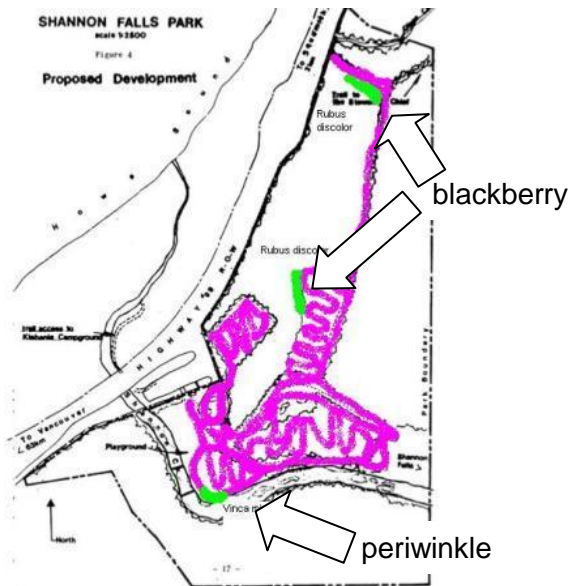


Figure 13: Route and landbase (pink) covered by field crew



Figure 14: Periwinkle (#263032)

Table 4: Summary of findings for Shannon Park

IAPP Site #	UTM		Area ha	Location	Species	Distribution	Density	Comment
	Easting	Northing						
263032	488454	5502009	0.01	South end of Park	Common periwinkle	Continuous uniform occurrence of well-spaced individuals	High	
					Himalayan blackberry	Few sporadically occurring individuals	Medium	
263512	488916	5502616	0.03	Entrance to The Chief (stairs)	Himalayan blackberry	Few sporadically occurring individuals	Medium	

Stawamus Chief

Most of the invasive species in this park were found under the Hydro ROW and around the Day Use Parking Lots and include mainly Scotch broom and Himalayan blackberry. Some satellite sites of blackberry were also found along the Boulder access trail and the Chief trail. One holly was found behind the Camp Host cabin, and was removed. Several patches of dense *Lamium galabdeon* and periwinkle are growing long the Mamquam FSR on the river side of the road and threaten to jay walk into the Park. These sites have been inventoried to be entered into the IAPP database.

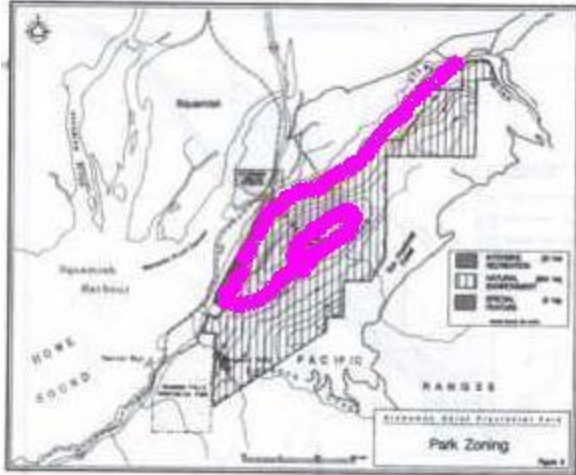


Figure 15: Route and landbase covered by field crew (pink)



Figure 16: Apron trail from lower parking lot to Mamquam FSR (#263509)

Table 5: Summary of findings for Stawamus Chief

IAPP Site #	UTM		Area ha	Location	Species	Distribution	Density
	Easting	Northing					
263509	489147	5503684	0.25	Apron trail from lower parking lot to Mamquam FSR	Himalayan blackberry	Few sporadically occurring individuals	Low
263511	488824	5502920	0.5	Parking lot by Rangers House and campground parking lot	Himalayan blackberry	Rare individual	Low
					Scotch broom	Few sporadically occurring individuals	Low
					Common burdock	Rare individual	Low
					English holly	Rare individual	Low