



**Northwest**  
INVASIVE PLANT COUNCIL

## **2009 ANNUAL WORK PLAN**

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- The Northwest Invasive Plant Council's (NWIPC) annual work plan with budget is drafted by the directors, reviewed and approved by the membership at their Annual General Meeting.
  - IAPP = Invasive Alien Plant Program – this is the data management and inventory system used for invasive plant management in BC.

### **BACKGROUND:**

The Northwest Invasive Plant Council, NWIPC, is a non-profit organisation with a broad based membership tasked with delivering efficient and effective invasive plant management in central and northwest BC. NWIPC's goal is:

**To prevent further damage to the ecosystems of northwest and central BC from invasive alien plants and begin to rehabilitate ecosystems that have been degraded.**

To accomplish this goal NWIPC acts as the organisation to integrate, support, coordinate and deliver invasive plant management and programs in its area. This pooled resource model was developed and implemented under a pilot project that ran from 2005 to 2007. Specifically we operate to meet this goal by:

- Encouraging the public to report invasive plant sightings.
- Informing the public about invasive plant issues and programs.
- Maintaining and contributing to a shared invasive plant inventory.
- Assessing problems and threats that various invasive plants present, then categorizing invasive plants and prioritizing sites for control.
- Preventing the establishment of invasive plants not currently in the region.
- Prevent or minimize the spread of the invasive plants present in the region.

- Conduct invasive plant programs in the northwest and central BC using Integrated Pest Management principles as described in the 'Invasive Plant Strategy for British Columbia, 2003: <http://www.invasiveplantcouncilbc.ca/about-us/the-strategy>' .
- Encourage all landowners, agencies and organisations to develop and implement invasive plant management programs.
- Manage and coordinate the activities and responsibilities of the various agencies and private landowners to ensure NWIPC goals are met.

NWIPC solicits and receives funds from partners. These funds are used, according to membership developed and shared plans, to increase awareness of invasive plants; provide a single point reporting system for invasive plant sites and issues; provide inventory and treatment services through seven Invasive Plant Management Areas (IPMA); coordinate activities by various partners and volunteers within the IPMAs and across NWIPC and assess and adjust invasive plant management to ensure efficient effective programs with public engagement and satisfaction.

NWIPC uses the following planning processes:

- NWIPC Strategic Plan and Profile – this plan is reviewed, updated and approved annually at the spring NWIPC Annual General Meeting. It is a strategic document that defines operating principles, the NWIPC goal, prioritisation procedures and provides a profile (date of introduction, distribution and threat) of the various invasive plants in, or threatening, central and north west BC.
- IPMA Plans – NWIPC is divided into seven IPMAs. Each IPMA has a contractor that provides inventory and treatment services to partners. With assistance from NWIPC partners and members, each contractor develops a plan that details how work will be done to accomplish the goals for the IPMA, e.g., containment of a species. The IPMA plans also indicate how the NWIPC strategies will be applied and awareness, reporting and other work will be integrated with inventory and treatments.
- NWIPC Work Plan – this plan contains the annual budget and details of how the plan will address the NWIPC goals; statement of medium and long term goals.

## 2009 Work Plan

The 2009 NWIPC Work Plan is based on the approved budget on pages 5-6. The file no. on the budget corresponds with the numbering in the description of activities below.

### 2.1 Revenue and Partnerships

To achieve our goal, the NWIPC will continue to operate in 2009 using the pooled resource model we have developed. Specifically, we will:

- Maintain the current 15 partners and increase number of contributing partners by 20% through contacts and presentations by program manager and directors; develop a professional level partner's brochure (file no. **3.13**); approved strategic plan in professional format for general consumption (**3.13**).

## 2.2 Operational Invasive Plant Management in IPMAs

The on-the-ground inventory and treatment by NWIPC will be conducted by an invasive plant management contractor in each of the seven IPMAs. Specifically we will:

- Improve IPMA contractor binders including: definition of jurisdictions, adding local contacts, treatment information as it comes available, detailed data entry instructions, etc.; this will be done through the program manager's contract with input from IPMA contractors.
- Have a contractor in each IPMA ready to go by May 15, 2009 with signed contract; through mandatory IAPP and NWIPC data training, pre-works, work instructions from partners, initial contacts as per final, approved IPMA plans.
- Work with six existing First Nation Partnerships to have crews ready for inventory and treatment by mid-June. (see file no. **2.2.4**, **2.2.6** and **2.2.7**). Note that the First Nation Partnerships have been moved into operations as they are performing tasks similar to the IPMA contractors and are critical in obtaining NWIPC goals.
- Prevent the spread outside of containment lines established by NWIPC for marsh thistle, field scabious, spotted knapweed and common tansy.
- Add other containment lines, test lines, or do risk assessments – depends on recommendations from membership on strategic plan & profile.
- Prevent the spread outside of containment lines set by adjacent regional committees; the Pine Pass in support of the Northeast Invasive Plant Committee (NEIPC) containment for oxeye daisy and orange hawkweed; orange hawkweed containment efforts by the Cariboo Chilcotin Coast Invasive Plant Committee (CCCIPC).
- Continue to correct data and improve accuracy of data input into IAPP through: IAPP training sessions with contractors; publicly available IAPP module 1 and 2 throughout NWIPC area; program manager will randomly check 10 sites per contractor tracking sheet and have contractors make corrections.

## 3.0 NWIPC Projects and Programs

NWIPC will increase on the ground treatment and awareness of invasive plants issues, by supporting:

- **3.1** - The use of a crew from the correctional facility in Prince George funded by the Ministry of Agriculture and Lands.
- **3.2** - 10 Community Weed Pulls
- **3.6** - Buck Flats Field Day; an annual event organized by the local 4H where a lot of field scabious is eliminated from the riparian sections outside of the containment area.
- **3.7** - Fort Fraser 50:50 program; this will be the third year that NWIPC has supported the livestock association in that area to develop and implement their own program to support farmers in conducting invasive plant management on their own lands.
- **3.9** - NWIPC 50:50 program; increase the use of the program in the Burns Lake, Prince George, and Robson Valley IPMAs by 50%.
- **3.14** - And other funded projects that have a treatment or inventory component as budget allows and submissions are received.
- **3.15** – Assist BC Parks in Babine area with inventory.

NWIPC will continue to increase the public's knowledge of invasive plant issues and ability to identify species by:

- **3.5** – Developing and maintaining a collection of potted invasive plants for use at events with the NWIPC information display.

- **3.10** - Promote awareness, via the Education and Awareness Committee, through implementation of their plan to:
  - print 5,000 of NWIPC brochure
  - complete design and print 5,000 cards on Himalayan balsam and Japanese knotweed for the home gardener
  - develop signs on specific species for trail heads
  - have NWIPC information display and materials at 5 major trade shows throughout the northwest
  - run photo contest to encourage correct identification and sightings of invasive plants and provide photos to NWIPC for education and extension projects
  - produce a limited amount of IP calendars specific to our area
  - acquire drink cosies as promotional give-away
  - develop posters on specific species for use indoors
  - advertise in publications that have circulation across our area like Northword and Northern Explorer
  - purchase more T-shirts and hats as needed to maintain a supply on hand
- **4.11** - maintain the NWIPC web site at: [www.nwipc.org](http://www.nwipc.org)
- Take advantage of IPC funded programs for materials; work with IPC to develop new awareness and educational materials

NWIPC will fund efforts to develop new treatment and inventory methods by:

- **3.8** - Supporting the development of targeted grazing as a tool in the northwest
- **3.11** - Assist in the PMP process and other plan development with our partners.
- **3.12** - Work with MFR and MOT to locate and collect data re: gravel pits.

NWIPC will further develop, evaluate and adjust the NWIPC Early Detection Rapid Response (EDRR) system by:

- **4.10** - operate toll-free weed reporting hotline (1-866-44WEEDS) by taking calls daily through answering machine and reporting sightings to contractors twice-weekly (Tuesdays and Thursdays), etc.
- promote use of the new "Report-A-Weed" function in IAPP through training sessions
- promote use of the new Provincial Weed Reporting Hotline (1-888-WEEDSBC) maintained by IPC via training sessions and distribution of their extension materials
- Increase the number of IP reports in our area through training organized by NWIPC in cooperation with partners and agencies requesting training and delivered by volunteers
- Develop two new trainers in western portion of our area to deliver Spotters & Specialists program through IPC
- NWIPC will be present at: IPC Forum in January, attend NEIPC and CCCIPC annual general meetings, two weed coordinators meetings/field tour, and give presentations as requested with financial support for travel, etc.

FILE NO.	<b>NWIPC - 2009 BUDGET</b>		-\$3,110	-\$59,110
		<b>Activity</b>	<b>Uplifts</b>	<b>Current Projected</b>
<b>2.1</b>	<b>REVENUE FROM PARTNERS</b>			
		Ministry of Agriculture and Lands	\$190,000	\$175,000
		Ministry of Forests and Range	\$200,000	\$149,000
		Ministry of Transportation	\$290,000	\$350,000
		Regional District of Bulkley-Nechako	\$30,000	\$30,000
		British Columbia Transmission Corporation	\$10,000	\$10,000
		Canadian National Railway	\$8,000	\$8,000
		Ministry of Environment	\$4,500	\$0
		Village of Telkwa		\$300
		Town of Smithers	\$4,000	\$4,000
		City of Prince George	\$5,000	\$5,000
		District of Houston	\$2,000	\$2,500
		Village of Valemount	\$2,000	\$2,000
		Thomson Creek Mining Ltd. (Endako Mine)	\$1,000	\$1,000
		Carrier Lumber Ltd.	\$4,000	\$2,000
		Kinder Morgan Canada Inc.	\$4,000	\$2,000
		FFRD, FN funding, reserve, others	\$50,000	
		Invasive Plant Council stipends	\$10,000	\$2,000
		District C for hotline		
		Additional Funding for corrections program		
		<b>POOLED FUNDS TOTAL</b>	<b>\$814,500</b>	<b>\$742,800</b>
		<b>DISBURSEMENTS</b>	<b>71%</b>	<b>71%</b>
<b>2.2</b>	<b>OPERATIONAL INV &amp; TRT</b>			
2.2.1	<b>Burns Lake IPMA</b>		<b>\$70,000</b>	<b>\$70,000</b>
		<i>IPMA Management Contract</i>	\$70,000	\$70,000
2.2.2	<b>Haida Gwaii IPMA</b>		<b>\$45,000</b>	<b>\$48,200</b>
		<i>IPMA Management Contract</i>	\$45,000	\$48,200
		<i>Haida Partnership</i>	\$0	\$0
2.2.3	<b>Houston IPMA - TOTAL</b>		<b>\$50,000</b>	<b>\$50,000</b>
		<i>IPMA Management Contract</i>	\$45,000	\$50,000
		<i>Wet'su'weten Partnership</i>	\$0	\$0
2.2.4	<b>Prince George IPMA</b>		<b>\$127,250</b>	<b>\$110,000</b>
		<i>IPMA Management Contract</i>	\$107,250	\$90,000
		<i>Pine Pass Project</i>	\$10,000	\$10,000
		<i>McLeod Lake Band Partnership</i>	\$10,000	\$10,000
2.2.5	<b>Robson Valley IPMA</b>		<b>\$90,000</b>	<b>\$85,000</b>
		<i>IPMA Management Contract</i>	\$70,000	\$69,000
		<i>Sally Wall IP Control Crew</i>	\$20,000	\$16,000
2.2.6	<b>Stikine-Skeena IPMA</b>		<b>\$88,000</b>	<b>\$107,000</b>
		<i>IPMA Management Contract</i>	\$48,000	\$67,000
		<i>Gitxsan Partnership</i>	\$10,000	\$10,000
		<i>Nisga Partnership</i>	\$10,000	\$10,000
		<i>Tahltan Partnership</i>	\$10,000	\$10,000
		<i>Gitga'at Hartley Bay</i>	\$10,000	\$10,000

2.2.7	<b>Vanderhoof - IPMA</b>	<b>\$105,000</b>	<b>\$100,000</b>
	<i>IPMA Management Contract</i>	\$65,000	\$70,000
	<i>Saik'uz First Nation</i>	\$10,000	\$10,000
	<i>Tl'atzt'en Partnership</i>	\$10,000	\$10,000
	<i>Nadleh Partnership</i>	\$10,000	\$10,000
	<i>Nakzdli Partnership</i>	\$10,000	\$0
	Materials and Supplies	\$2,000	\$1,000
	emergency response fund - EDRR, etc		
	<b>TOTAL - OPERATIONAL, IPMAs, INV &amp; TRT</b>	<b>\$577,250</b>	<b>\$571,200</b>
	<b>FIRST NATION PARTNERSHIP SUBTOTAL</b>	<b>\$90,000</b>	<b>\$80,000</b>
<b>3.0</b>	<b>PROJECTS &amp; NWIPC PROGRAMS</b>	<b>8%</b>	<b>8%</b>
3.1	Additional Funding for corrections program		
3.2	Community Weed Pulls (target of 10 events)	\$1,000	\$1,000
3.3	NWIPC Newsletter - 6 issues	\$4,650	\$0
3.4	Weed of the Week	\$4,000	\$0
3.5	Potted Weed Display	\$500	\$500
3.6	Buck Flats	\$1,650	\$1,650
3.7	Fort Fraser 50:50	\$5,000	\$5,250
3.8	Targeted grazing research	\$6,000	\$6,000
3.9	NWIPC 50:50 program	\$15,000	\$12,000
3.10	awareness program	\$10,000	\$14,000
3.11	PMP Development and other plan development	\$5,000	\$5,000
3.12	gravel pit data project	\$5,000	\$2,500
3.13	partner package - i.e., strategic plan brochure, covers, etc.	\$2,000	\$3,000
3.14	other - funded projects or?	\$2,000	\$10,000
3.15	FP 2009-01 BC Parks, Babine Area	\$1,000	\$1,000
	<b>PROJECTS SUB TOTAL</b>	<b>\$62,800</b>	<b>\$61,900</b>
<b>4.0</b>	<b>ADMIN &amp; OVERHEAD EXPENSES</b>	<b>3%</b>	<b>3%</b>
4.1	Board Meeting Expenses	\$10,000	\$10,000
4.2	Spring Annual General and Fall Meeting	\$2,000	\$2,000
4.3	Training expenses	\$1,000	\$500
4.4	Travel, meals & accommodation	\$4,000	\$3,000
4.5	Accounting & Legal	\$6,000	\$6,000
4.6	Insurance	\$1,000	\$1,000
4.7	office supplies, shipping, colour printing, etc.	\$2,000	\$1,000
4.8	Interest & Bank Charges	\$510	\$510
4.9	Misc.	\$500	\$500
4.10	Telephone Hotline 1-866-44WEEDS	\$550	\$550
4.11	Web site (annual fees)	\$300	\$300
	<b>ADMIN &amp; OVERHEAD TOTAL</b>	<b>\$27,860</b>	<b>\$25,360</b>
<b>5.0</b>	<b>MANAGEMENT CONTRACTS &amp; COSTS</b>	<b>18%</b>	<b>18%</b>
5.1	Program Management Contract	\$106,500	\$100,250
5.2	Program Assistants Contracts	\$25,000	\$25,000
5.3	Bookkeeping	\$3,200	\$3,200
5.4	First Nations Assistant	\$15,000	\$15,000
	<b>CONTRACT STAFF SUBTOTAL</b>	<b>\$149,700</b>	<b>\$143,450</b>
	<b>PROGRAM TOTAL</b>	<b>\$817,610</b>	<b>\$801,910</b>
	<b>AVAILABLE</b>	<b>\$814,500</b>	<b>\$742,800</b>
	<b>DIFF</b>	<b>-\$3,110</b>	<b>-\$59,110</b>

## OUT PUT MEASURES & REPORTING:

- *There are still significant errors in IAPP resulting from transfer of historic data and issues around training and data input accuracy. Work on cleaning and improving data input accuracy continues. The numbers of sites provided in these output measures are with current data and accuracy should be substantially improved after the 2009 season.*
- Assessment of accuracy for IAPP data will occur during the field season with reporting on accuracy at the fall NWIPC meeting. The assessment process has not been determined but will likely involve random sampling of sites and all data associated with those sites assessed as to completeness and % error. In subsequent years specific targets for data accuracy will be established and measured.

## OUTPUT MEASURES FOR CONTAINMENT AND PREVENTION:

The following table lists some of the species for containment and prevention that will be measured for 2009. For all these species the goal is to prevent reproduction on sites outside of the contained area and or spread out of contained areas. Requirements to do this are species – location specific.

- A preferred practice for most species if herbicides and manual treatment are used is a three or more pass system:
  - A first monitoring - treatment pass to occur on known sites when the plants are at the rosette stage, May – June.
  - A second monitoring – treatment pass when plants have bolted and a few individuals are about to come into bloom, June – July.
  - A third monitoring – treatment pass to prevent any missed plants from producing viable seed, (may involve bagging seed heads), August – September.
- If resources are limited the minimal practice is a two pass system:
  - A first monitoring – treatment pass delayed until plants have started to bolt and a few individuals are about to come into bloom, June – July.
  - A second monitoring – treatment pass to prevent any missed plants from producing viable seed, (may involve bagging seed heads), August – September.

## CONTAINMENT & PREVENTION – 2009

SPECIES	CONTAINMENT LINES DESCRIPTION	SITES OUTSIDE CONT. LINES	OUTPUT MEASURES	RESPONSE TIME TO NEW REPORTS, (shortest & longest)
brown, meadow & black knapweed	There are no official containment lines but the NWIPC area is considered outside containment areas.	49	Sampling indicates 100% sites outside containment lines visited and no or very limited production of seed.	
common tansy	A containment line has been proposed for the Cedarville area.	TBD	implement and test the containment line	
field scabious	There are 3 containment lines for field scabious, at Stony Creek, Fort Fraser and Buck Flats near Houston. The Fort Fraser containment line will be assessed in 2008 for possible removal in the future	96	Sampling indicates 100% sites outside containment lines visited and no or very limited production of seed.	

hoary alyssum & hounds tongue	Containment lines are being developed in the Southern portions of the province. There are sites near Valemount.	0	inventory and treat all sites	
knotweed	No are no containment lines but the risk this plant presents to riparian habitats and water ways along with its low presence in the area predicate that action should be taken. Very little inventory work has been done in the Prince Rupert area but there are thought to be numerous infestations in the area.	72	Develop a strategy for knotweed management. Develop a partnership to begin knotweed management at Hartley Bay	
leafy & cypress spurge	There are no official containment lines but the NWIPC area is considered outside containment areas.	10	monitor and treat all sites	
marsh thistle	There were 2 containment lines, one in the western Robson Valley and the other in the Prince Rupert area. The Prince Rupert containment line will be withdrawn in 2008 with assessment for its permanent removal	TBD – require adjusted line	Sampling indicates 100% sites outside containment lines visited and no or very limited production of seed.	
mountain bluet	There is a significant and long known site at MoE road near Decker Lake and work will begin in 2008 to manage this site. Mountain Bluet has not been inventoried in the past so there are likely more sites - see NWIPC Strategic Plan and Profile.	2	Develop a prescription for the MoE site and inventory and treat all other sites	
scotch thistle, rush skeleton weed, etc.	Containment lines are being developed in the Southern portions of the province for these species. A sample of scotch thistle sites reported in NWIPC were checked and found to be bull thistle	0	Check and confirm any reported sites. Treat all sites.	
spotted knapweed	There is an unofficial containment line south of Clinton but the eastern location of the line has not been determined. It will be in the Valemount area and depending on resources will fall between the Fraser Fort George RD boundary and Tete Jaune Cache.	408	Working with SIWMC decide on a containment line in the Valemount area. Sampling indicates 100% sites outside containment lines visited and no or very limited production of seed.	
sulphur cinquefoil	Containment lines are being developed in the Southern portions of the province. The currently recorded sites in NWIPC area need to be confirmed. There are sites south of Valemount at Blue River	3	Confirm 3 reported sites. Inventory and treat all sites	
tansy ragwort	Only one site is reported. That site is on the QCIs, is quite large and may need to have containment line drawn around it.	1	Develop a prescription for the site on the QCI.	
Yellow star thistle, crupina, etc.	There are no confirmed sites of these species in BC and Provincial EDRR is required	0	Check and confirm any reported sites. Treat all sites.	

Total 1002

## REPORTING FOR REHABILITATION:

Rehabilitation work is, work done on established species like oxeye daisy, hawkweeds and Canada thistle. For these species the annual report will include tables indicating the number of sites, method and areas treated by species and jurisdiction. Additional information such as progress in regards to specific restoration such as restoration of hawkweed infested community pastures may also be included.

## OUTPUT MEASURES AND REPORTING FOR PROGRAM PLANNING, DEVELOPMENT, ADMINISTRATION AND COORDINATION.

- Increase NWIPC membership and partners contributing to pooled funds.

Membership 2007	Membership 2008	Membership April 2009
315	517	535
# of partners contributing to pooled funds and amount of pooled fund for 2007.	# of partners contributing to pooled funds and amount of pooled fund for 2008.	# of partners indicating contributions and amount of fund as of April 2009
15 - \$731,782	14 - \$822,288	15 - \$742,800

- Update and report on the Communications and Promotions Plan developed in 2005-06 identifying needs and actions planned.
  - Acquire, develop and adapt extension and awareness materials. List materials available and new materials developed including web pages, etc.
  - Report on the number and locations of awareness extension events supported.
- Implement the recommendations from the 2007 independent review of the NWIPC Program including:
  - Improve financial tracking with clearly defined costs and benefits of all aspects of the NWIPC program and assessments of what costs are for base and augmented programs. This information will be included in the 2008 annual report.
  - Draft and approve an action or work plan with long and short term goals, objectives, strategies, etc.
  - Develop an internal communication plan including clarity around roles and responsibilities of Program Managers, Directors, committees, members, etc. How is volunteer, in kind and contract time integrated and effectively used and how are communications between Directors, Program Manager, IPMA contractors, partners and members to occur.
  - Continuation and augmentation of IPMA contractor training. Have contractor specific training accompanying the spring 2008 NWIPC meeting as well as training for members and partners later in the spring. NWIPC will plan on conducting training for contractors and others every spring. NWIPC will also offer support and solicit ideas on provincial level training.

- Do additional inventory and ensure that the needs of partners, e.g., forest industry, are met. (*Identification of required inventories by species can occur in the NWIPC Plan & Profile. What is needed is an identification of areas and consideration of partners needs*).
- Develop and implement a planned, systematic monitoring program with indications of roles and responsibilities, standards, etc.
- Produce an annual report that reviews the program with recommendations for further improvement. Drafts of this report will be available at the fall meeting and the final report will be prepared and circulated by January 31, 2009.