

KEY TO THE “GENERAL RESULTS” TABLE

General Results of the Exotic and Invasive Species Survey of NWR Wilderness Areas, July 2001

Aldo Leopold Wilderness Research Institute, Missoula, MT

FIELD	EXPLANATION
ID	
Survey #	
Refuge name	Name of National Wildlife Refuge
Wilderness name	Name of Wilderness Area
Region	USFWS region number
State	
Respondent	Name of survey respondent
Position	Position of survey respondent
Phone	Phone # of survey respondent
Email	Email address of survey respondent
Address	Mailing address of survey respondent
Completion date	Date that survey was completed
Invasive plants? Exotic animals? Exotic pathogens?	Y – present N – not present UNK – unknown
1) Nature of list for plants 1) Nature of list for animals 1) Nature of list for pathogens	1 – the list is rough 2 – 3 – 4 – 5 – the list is highly accurate
2) Extent of problem, plants (wilderness) 2) Extent of problem, animals (wilderness) 2) Extent of problem, pathogens (wilderness)	Currently, in this Wilderness Area, the presence and distribution are: A – not much of a problem B – one of many small problems C – a significant problem (1 of the top 10 management problems) D – very important (1 of the top 2 or 3 priorities/ management concerns) N/A – not applicable
3) Extent of problem, plants (refuge) 3) Extent of problem, animals (refuge) 3) Extent of problem, pathogens (refuge)	Currently, in this Refuge as a whole, the presence and distribution are: A – not much of a problem B – one of many small problems C – a significant problem (1 of the top 10 management problems) D – very important (1 of the top 2 or 3 priorities/ management concerns)
4) Threat plants 4) Threat animals 4) Threat pathogens	The perceived threat 5 years from now in this Wilderness Area will be: A – not much of a problem B – one of many small problems C – a significant problem (1 of the top 10 management problems) D – very important (1 of the top 2 or 3 priorities/ management concerns)

5) Plant mgmt plan 5) Animal mgmt plan 5) Pathogen mgmt plan	Y – a written invasive/exotic species management plan exists for this Wilderness Area N – a plan does not exist
5) Y plant – prioritize 5) Y animal – prioritize 5) Y pathogen – prioritize	If a plan exists, does it prioritize species for control? Y – yes N – no
5) Y plant – refuge or wilderness specific 5) Y animal – refuge or wilderness specific 5) Y pathogen – refuge or wilderness specific	If a plan exists, is it a Refuge-wide plan or specific to the Wilderness Area?
5) Y plant – when completed 5) Y animal – when completed 5) Y pathogen – when completed	If a plan exists, when was it completed?
5) Y plant – when updated 5) Y animal – when updated 5) Y pathogen – when updated	If a plan exists, when was it last updated?
5) N plant – why 5) N animal – why 5) N pathogen – why	If a plan does NOT exist, why not? A – weeds/exotics are not a significant problem B – it has been started, but not completed C – cost prohibitive/ lack of funding D – labor prohibitive/ lack of staff E – both C and D F – other (explain)
6) Plants monitored 6) Animals monitored 6) Pathogens monitored	Are invasives/exotics monitored in the Wilderness Area? Y – yes N – no
6) Y plants – freq 6) Y animals – freq 6) Y pathogens – freq	If yes, how frequently?
6) No plants – why 6) No animals – why 6) No pathogens – why	If no, why not? A – weeds/exotics are not a significant problem B – cost prohibitive/ lack of funding C – labor prohibitive/ lack of staff D – both B and C E – other (explain)
7) NEPA	Was a NEPA process completed for any current invasives/exotics control efforts in the Wilderness Area? Y – yes N – no
7) Y – which spp?	If yes, for which species?
8) MTA	Was a Minimum Tool Analysis completed for any current invasives/exotics control efforts in the Wilderness Area? Y – yes N – no
8) Y – which spp	If yes, for which species?
9) Plants – source of info 9) Animals – source of info 9) Pathogens – source of info	In general, the source of the information provided was: A – casual or opportunistic observation B – systematic sampling (transects, plots, etc.) C – best guess (based on knowledge of similar, surrounding areas outside of the Wilderness Area) D – other (explain)
# spp of greatest concern	Total # of species listed as being of greatest concern
Additional comments	

KEY TO THE “PLANTS” / “ANIMALS” / “PATHOGENS” TABLES

**Results by Taxonomic Group (Plants, Animals, or Pathogens) of the Exotic
and Invasive Species Survey of NWR Wilderness Areas, July 2001
Aldo Leopold Wilderness Research Institute, Missoula, MT**

FIELD	EXPLANATION												
ID													
Survey #													
Refuge name	Name of National Wildlife Refuge												
Wilderness name	Name of Wilderness Area												
Respondent	Name of survey respondent												
Taxa (ANIMALS table only)													
Latin name													
Common name													
Coverage – # of Acres (PLANTS table only)	Approx. # of acres covered												
Intensity of impact (PATHOGENS table only)	Approx. % of hosts infected												
Spp invasive? (ANIMALS and PATHOGENS tables only)	1 – yes 2 – no 3 – unknown												
% habitat occupied? (ANIMALS table only)	Approx. % of available habitat occupied												
Threat	Threat to Wilderness Area goals: 1 – negligible 2 – moderate 3 – severe 4 – unknown												
Control ranking (PLANTS table only)	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Type</td> <td style="width: 50%;">Priority</td> </tr> <tr> <td>M – mechanical</td> <td>0 – not used</td> </tr> <tr> <td>B – biological</td> <td>1 – highest use</td> </tr> <tr> <td>Ch – chemical</td> <td>2 –</td> </tr> <tr> <td>Cu – cultural</td> <td>3 –</td> </tr> <tr> <td></td> <td>4 – lowest use</td> </tr> </table>	Type	Priority	M – mechanical	0 – not used	B – biological	1 – highest use	Ch – chemical	2 –	Cu – cultural	3 –		4 – lowest use
Type	Priority												
M – mechanical	0 – not used												
B – biological	1 – highest use												
Ch – chemical	2 –												
Cu – cultural	3 –												
	4 – lowest use												
Mechanical control (PLANTS table only)	If applicable, control methods that are used												
Biological control (PLANTS table only)	If applicable, control methods that are used												
Chemical control (PLANTS table only)	If applicable, control methods that are used												
Cultural control (PLANTS table only)	If applicable, control methods that are used												
Control efforts (ANIMALS and PATHOGENS tables only)	Type and frequency of control efforts												

Spp of concern	Y – is a species of greatest management concern in the Wilderness Area N – is not a species of greatest concern
Disturbance vector	Disturbance vector responsible for establishment/spread
Pattern of infestation	A – one or more large populations B – few or several small populations C – one or more large AND few to several small populations
Along roads, trails	Infestations are mainly along roads, rivers, trails: Y – yes N – no
Spread	This species is: A – increasing despite control efforts B – increasing; there are no control efforts C – decreasing through control efforts D – decreasing without control efforts E – stable through control efforts F – stable without control efforts G – unknown
Comments	