

**Oregon State Weed Board
Grant Program
2013-2015 Instructions**



**Oregon State Weed Board
635 Capitol St NE • Salem, OR 97301-2532
Tristen Berg, Noxious Weed Grant Coordinator
503-986-4622 • Fax: 503-986-4786**

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**Oregon State Weed Board
Noxious Weed Control Grant Program
2013-2015 Biennium – 27-4 Cycle**

Dates to Remember

Applications are due..... **December 12, 2014**
(Applications must be submitted on or before the above date for acceptance)

Results available **February 24, 2015**

If your application is approved then:

Interim progress report due..... **September 30, 2015**

Project completion..... **April 30, 2016**

Project completion reporting due **June 30, 2016**

Grant Eligibility

Any person, tribe, watershed council, soil and water conservation district, community college, state institution of higher education, independent not-for-profit institution of higher education or political subdivision of this state that is not a state agency may submit a request for funding. A state agency or federal agency may apply for funding only as a co-applicant with one of these other eligible entities.

Application Submission Requirements

1. Provide the Oregon State Weed Board (OSWB) with an electronic version submitted through FTP server upload: <http://files.oda.state.or.us/?login=oswb>
2. Submit by mail two SIGNED single sided original versions of your completed application.
3. Electronic versions MUST be submitted in workable format Microsoft Word preferred.
4. Mandatory attachments: must be included or your application will automatically be rejected. These items include: Project Budget, photos of project area, maps of project area, required project partner form and landowner lists for cost reimbursement projects.
5. All documents must be submitted by December 12, 2014 and mailed to:

Tristen Berg, Noxious Weed Grant Program
Oregon Dept. of Agriculture
635 Capitol St NE
Salem, OR 97301

Introduction

In the 2013-2015 biennium funds are available for the Oregon State Weed Board (OSWB) to fund noxious weed control projects through Oregon Lottery grant funds dedicated by Ballot Measure 76 (2010). The Oregon Watershed Enhancement Board (OWEB) is partnering in this effort and the two Agencies (OSWB and OWEB) are working together to administer the Oregon State Weed Board Grant Program. It is a priority of the OSWB to fund projects that restore, enhance or protect fish and wildlife habitat, watershed function, and native salmonid or water quality. The implementation of a comprehensive watershed approach to integrated control of noxious weeds is the most effective strategy to minimize impacts and protect natural resources in Oregon from invasive noxious weeds. The goal of the OSWB is to fund as many high priority projects as possible with the available funding. The OSWB wants to make the process of developing a successful grant application as straight forward as possible.

- Grants will be awarded based on the availability of funds for a given grant cycle. The Board will pay only for completed work that is accepted by The Board, and such acceptance shall not be unreasonably withheld.
- Grants will be awarded based on the OSWB's priorities.
- There will be one grant cycle per year and applications will not be held over from one grant cycle to the next.
- Information regarding the grantee and the project information will be made available to the public over the internet (with some exceptions)

Project types

Projects are restricted to those that restore, enhance or protect fish and wildlife habitat, watershed functions, native salmonid populations or water quality. Grant applications are encouraged to be for on-the-ground weed control projects and must be OSWB listed noxious weeds. Applications may/shall include research, survey, outreach or project design if/when required to complete the control portion of the project. However, the OSWB prefers the majority of the funds go toward the control element of the project.

Project Requirements

1. The project must be for the management of state listed noxious weeds.

The OSWB establishes and maintains a list of “A”, “B” and “T” designated noxious weeds (Appendix B). Proposed projects shall include only plants listed on the State Noxious Weed List. Examples of projects should include control, and may/shall include survey, monitoring, prevention, restoration, and outreach.

2. The project must demonstrate sound principles of integrated weed management to both protect and enhance watershed health.

Proposed activities should be proven methods that promote, enhance or protect natural resources.

3. Projects will demonstrate site specific management objectives.

Projects demonstrating specific site analysis and project development are desirable. Projects supported by or identified in Weed Management Plans, Site Assessments, Action Plans, Watershed Plans and Federal Management Plans are desired.

4. Projects should include on-the-ground control elements.

Projects should exhibit control elements to be considered for funding. Control must be completed within the timelines outlined within each grant cycle. **In addition, the majority of OSWB funds should be used toward the control elements of the project.**

Project Criteria

Noxious weed projects will be evaluated using the following criteria:

1. Priority Weed

Projects that relate to the control of weeds listed on the OSWB “A”, “B”, and “T” lists will be given priority. “A” designated weed projects will score higher than “B” designated weed projects, etc. (*Projects must be for state listed noxious weeds*)

2. Cooperation

Projects showing direct evidence of collaboration either by actual funds or in-kind funds between stakeholders and agencies may be given preferences over single-party projects. **25% match is required in order for projects to be eligible for funding – if your project does not meet this requirement it is important to contact the ODA Grant Program Coordinator with questions. (see page 8 for contact information)**

3. Restoration

Projects that include **not only control elements** but also elements of restoration will be given priority. An example would be to incorporate seeding and establishment of desirable vegetation on the control site.

4. Planning

Projects that are part of weed assessment, comprehensive integrated action and monitoring plans are desirable. These plans can stand alone for the specific project or associated with existing Weed Management Areas, Weed Management Plans, Environmental Assessments, Watershed Restoration Plans, etc. Reference all plans your project may be associated with and provide copies of the plans.

OSWB Grant Program Policies

1. OSWB will not fund project administration costs in excess of 10% of the total awarded amount.
2. OSWB will only consider grant applications that identify specific project activities.
3. OSWB grant applications will be considered complete as submitted. **Clarification of information may be sought from the applicant during the evaluation process but additional or new information will not be accepted after the application deadline. Which means include all mandatory materials; photos, maps, match requirement forms and landowner lists.**
4. OSWB will only enter into new grant agreements with prior grantees if all terms of earlier grant agreements have been fulfilled. This includes all terms of OWEB agreements as well.
5. OSWB will consider grant applications that fund private consultant personnel services only when such services are included as a component of a project proposed by other entities.
6. OSWB may support multi-year grants for noxious weed control projects if projects are broken into identifiable phases that fit the given grant cycles and are submitted with the appropriate cycle. Projects will be reviewed on an interim basis to ensure that identifiable results are being accomplished as part of the overall project objectives. Continued project funding will be subject to availability of funds. OSWB will also consider previous project performance and priorities within each grant cycle.
7. Awarded grants will be subject to monitoring by ODA Noxious Weed Control Program as follows:
 - Level one:** monitoring to include all verification of reports, documents, receipts and invoices submitted for activities relating to the project. This monitoring will be throughout the duration of the contract.
 - Level two:** monitoring to include all on the ground site monitoring done by Department staff. Grantee agrees to contact assigned Department staff and Department Grant Analyst at start of on the ground activities, this can be done via email, phone, or written notification. This monitoring will be throughout the duration of the contract.
 - Level three:** monitoring to include all follow up activities that may be completed after the duration of the contract.
8. Once a grant agreement has been signed between ODA, OWEB and grantee, any changes to the original submitted proposal must be approved by ODA & OWEB and amendments to the agreement shall be required.
9. Awarded projects are subject to additional paperwork at time of agreement.
10. Applicant understands that information submitted with this proposal will be available online. (with the exception of specific landowner information)

OSWB Staff

Regional OSWB staff members are available to assist you in developing your proposal, feel free to contact anyone listed below.

Main Office:

Oregon Department of Agriculture
Noxious Weed Control Program
635 Capitol St NE
Salem, OR 97301-2532
Phone: 503-986-4621
Fax: 503-986-4786

Tristen Berg, OSWB Grant Program Coordinator • 503-986-4622

Tim Butler, Program Manager • 503-986-4621

Tom Forney, Projects Coordinator • 503-986-4623

Eric Coombs, Biological Control Entomologist • 503-986-4624

Beth Myers-Shenai, Integrated Weed Management Coordinator • 503-986-4777

Jo Davis, Program Assistant • 503-986-4621

Field Offices:

<u>Burns</u> Bonnie Rasmussen • 541-493-2342 Integrated Weed Management Coordinator	<u>Grants Pass</u> Carri Pirosko • 541-291-2680 Integrated Weed Management Coordinator
<u>Prineville (Central OR)</u> Mike Crumrine • 541-604-6580 Integrated Weed Management Coordinator	<u>NE Oregon</u> Mark Porter – Contact Salem Integrated Weed Management Coordinator
<u>Klamath Falls (S. Central OR)</u> Mike Crumrine • 541-604-6580 Integrated Weed Management Coordinator	<u>Eugene</u> Glenn Miller • 541-954-8293 Integrated Weed Management Coordinator

Application Instructions

Provide the Oregon State Weed Board with an electronic version submitted through FTP server upload: <http://files.oda.state.or.us/?login=oswb> . Submit by mail one SIGNED single sided original version of your completed application. All documents must be submitted and mailed by the application cut-off date listed on page 3. Additional submission information can be found on page 3 as well. Applicants will receive an email upon acceptance of the application once that email is sent absolutely no additional information from the applicant can be submitted, this includes verbal and written information, the proposal is then considered complete as submitted (except at the request of OSWB staff or Board members).

Application information

Project Title: Provide a name using 6 words or less that can be used for the project on all related correspondence and/or agreements.

County: Provide the county or counties the project is located in.

Type of Organization: Please indicate the type of organization represented in the applicant line.

OSWB Dollars Requested/Total Cost of Project: Fill in the dollar figures as appropriate. Total cost of project includes all cash/in-kind match contributions plus the amount being requested from OSWB.

Name of Applicant or Organization: the name of the person or organization applying for funding and all contact information should occupy this section of the proposal

Project Manager for Applicant or Organization: the name and contact for the applicant or organization for which is responsible to carry out the implementation of the project and is responsible for the documentation of the outcomes

Fiscal Agent for Applicant or Organization: who will be responsible for the fiscal management of the funding received and disbursed oriented around this project?

Project Information

1. **Weed Species:** Within the table list all weeds pertaining to this project use common name plus genus and species. List the primary habitat (upland, riparian, wetland, instream, or estuary) for each weed, the method for treatment, net/gross acres per weed species, and for chemical control list which herbicides will be used, additionally list the timing for treatment activity. Remember to list only state listed noxious weeds. (Appendix B). Include estimated total number of acres (net/gross) for the project, to prevent double counting your acreage use (Appendix C) to help calculate the total treated acres.

Defining your habitat type:

Riparian: activities within the “riparian buffer”- the interface between land and a river or stream, and designed to improve the riparian habitat conditions and stream bank stability

Upland: projects designed to reduce erosion, improve water quality, increase stream flow, promote native vegetation growth, and other watershed benefits. Projects such as urban, rangeland and forest outside of riparian buffers should fit within this designation.

Instream: in-channel activities designed to improve aquatic habitat conditions

Wetland: a land area saturated with water either permanently or seasonally. Activities that are designed to restore, protect, or improve wetland habitat conditions fit this designation.

Estuary: is a partly enclosed coastal body of water with one or more rivers or streams flowing into it, and with a free connection to the open sea. Activities that are designed to restore, protect, or improve estuary habitat conditions fit this designation

2. **Project location:** Identify where the proposed project is located, regardless of the type of project. Provide at a minimum; county project is located in, and a minimum of one latitude and longitude of the project site(s).
3. **Does this project exist within a designated weed district:** Indicate if the project exists within an established weed district as authorized under ORS 569, if you do not know the answer to this question contact any member of the OSWB staff listed on page 8.
4. **Is this part of an established Cooperative Weed Management Area (CWMA):** Indicate if the project exists within a CWMA and provide the name of the CWMA, if you do not know the answer to this question contact any member of the OSWB staff listed on page 8.
5. **Identify which methods of control:** Check which type of control you are proposing. Also, your project may be for more than one type of control activity check all that apply. In addition, provide additional activities outside of control activities. All activities must be directly related to the control project proposed. Use these activities to help guide you in identifying your activities in the weed activities table as well.
6. **Have you consulted with ODA staff:** Indicate if you have contacted a member of ODA Weed Control Staff and the name of that individual, a list of staff is provided on page 8.
7. **Is this a landowner reimbursement project?** Projects that partially reimburse landowners for the cost of implementing weed control. A landowner list including acreage by weed species must accompany the proposal.
8. **Project summary:** Provide a summary in 200 words (1000 characters) or less describing what the project accomplishes and what problems will be addressed. The information you provide will be used for project review and reporting purposes as a part of reporting and will be displayed to the general public.

9. **What are you proposing to do? (1,300 words which is approximately 8,000 characters) give an overview of the project.**

Include here if this is the next phase of a previously funded project be sure to include details of past treatments such as successes and failures, estimated acreage for treatment, method of control, objectives and restoration component. Also, how this project relates to other projects within the project area. It is important be concise and keep this to the 1,300 word limit, but also give enough details as outlined above.

This portion is essential in the overall review process as it is shown to the Oregon State Weed Board in advance of full review of the proposal process.

10. **Using a bulleted list: Explain the project goals and objectives**

- What Is a Goal? A goal is a broad statement of what you wish to accomplish. Goals are broad, general, intangible, and abstract. A goal is really about the final impact or outcome that you wish to bring about.
- What Is an Objective? A goal is only as good as the objectives that go with it. The objective represents a step toward accomplishing a goal. In contrast to the goal, an objective is narrow, precise, tangible, concrete, and can be measured.
 - Beverly A. Browning, in her *Grant Writing for Dummies*, suggests using the **S.M.A.R.T.** method of writing your objectives. Make them **Specific, Measurable, Attainable, Realistic, and Time-bound.**
 - Keep the following in mind when preparing your objectives:
 - State your objectives in quantifiable terms.
 - State your objectives in terms of outcomes, not process.
 - Objectives should specify the result of an activity.
 - Objectives should identify the target audience, community being served or natural resource benefit.
 - Objectives need to be realistic and capable of being accomplished within the grant period.

11. **Is the project part of an existing weed management plan?** Explain whether the work or site where work is proposed is specifically identified in an existing management plan. If yes, please be sure to include plan name, author, and date.

12. **Are there additional partners (agencies, landowners, volunteers)? Who are the additional partners and what are their roles and responsibilities?** Almost all projects have the cooperation of landowners, professional advisors, organizations, and/or volunteers. Identify these entities, approximately how much time/materials they are contributing and what their role is in completing the project. Be sure to list the amounts of other funds and the dollar value of donated services and supplies.

13. **Which elements of the project will OSWB funds be used for?** Be specific to activity and reiterate the timing of the activity. Describe in detail which elements of your project the Oregon State Weed Board funding will be used toward.

14. **How does this project relate to other projects (BLM, USFS or local projects) completed or planned?** If the project is related to work funded in part with another grant from OWEB (i.e. restoration, land acquisition, or technical assistance), list the OWEB grant number and briefly describe the relationship to this proposal. Note how

the project relates to other watershed activities to demonstrate that the project is appropriate.

15. **How does this project fit into the statewide and/or local weed management objectives? Identify the county weed listing priority if known.** Refer to the Oregon Noxious Weed Strategic Plan for a list of statewide priorities as well as the state weed policy and classification system for noxious weed listing priorities: <http://www.oregon.gov/ODA/shared/Documents/Publications/Weeds/NoxiousWeedPolicyClassification.pdf>
16. **How will restoration be a part of your project?** If restoration is not a component of this project please explain. For example, re-seeding of a control site.
17. **If this project protects a high priority species or habitat, please give a brief description of the species or habitat/land use designation.** For example, protection of habitat for federally listed threatened and endangered plant species. If you do not know how to answer this question contact an OSWB/ODA staff member see page 8.
18. **Salmon/steelhead or salmon/steelhead habitat**
 - This project is NOT specifically designed to benefit salmon or steelhead.
 - If you check this box do not answer supplemental question 18(A)
 - If your project has a direct benefit to a salmon producing stream indicate this here, check all streams that apply to your project area

18(A) Expected Benefits: Write a brief description of the goals and purpose of the project and how it is expected to benefit salmon/steelhead habitat. If your project has a direct benefit to a salmon producing stream indicate this here, name the stream and if its highlighted in a plan somewhere such as the Oregon Conservation Strategy.

19. **How will success be determined, what elements will be monitored/evaluated and by whom, how often and for how long?** Who will maintain the project and for how long? Having a monitoring plan in place is important to the success of all projects, provide here the plan you have for the monitoring of your project.

Project Budget:

Itemize projected cost in each category, Salary/wages, Contracted Services, Travel Equipment/Supplies/Materials and Other for funds requested. (Use Appendix A to help guide you in allowable rates). Grant administration must not to exceed 15% - must be billed direct to costs associated above and/or an invoice must be provided or indirect if claiming indirect costs.

Attach a copy of the Federal Indirect Cost Negotiation Agreement if claiming indirect costs on budget.

More OWEB new budget guidance and budget definitions:

OWEB Budget Category Guidance

http://www.oregon.gov/OWEB/forms/Budget_Category_Guidance.pdf

OWEB Budget Categories: Definitions and Policy

http://www.oregon.gov/OWEB/forms/2014-01budget_category_defs.pdf

Budget questions contact:

Tristen Berg, ODA at 503-986-4622 tberg@oda.state.or.us, or

Randy Emch, OWEB at 503-986-0184 randy.emch@state.or.us

Mandatory Attachments

Mandatory attachments- must be included or your application will automatically be rejected

- **Oregon State Weed Board Project Budget**
- **Federal Indirect Cost Negotiation Agreement if claiming indirect costs on budget.**
- Maps highlighting specific area of project activities
- Photos (please use the same photo points as you will use on interim progress reporting and project completion reports should this project be awarded)
- For landowner reimbursement projects – landowner list with acreages listed by weed species

NOTICE of Grant Award Conditions

If this proposal is funded, you will be required to:

- Sign a Grant Agreement containing the terms and conditions for the project implementation, release of funds, and documentation of completion.
- Payments will be made only for work started after the effective date of the grant agreement, unless special conditions have been placed by ODA/OWEB.

Before ODA/OWEB releases the Grant Agreement, you will be required to:

- Resolve any and all outstanding issues from your previous grants with ODA/OWEB.

Upon signing the Grant Agreement, you will be required to:

- Certify in the Grant Agreement that prior to starting work on private land, you have or will obtain cooperative agreements with the private landowner(s). Exhibit D of the ODA/OWEB Grant Agreement may also require you to submit copies of those agreements to ODA/OWEB prior to the release of funds.
- Agree that monitoring information resulting from projects are public domain.
- Determine whether and what permits and licenses are required.

Before ODA/OWEB releases any payments, you will be required to:

- Document that 25% match funding has been secured.
- Submit a Public Certification Form
- Submit copies of all applicable permits and licenses from local, state, or federal agencies or governing bodies, or certify that permits and licenses not needed.

Upon completing the project, you will be required to:

- Submit an OGMS Project Completion Report as required in the Grant Agreement, <http://apps.wrd.state.or.us/apps/oweb/fiscal/default.aspx>.
- Submit your Oregon Watershed Restoration Inventory report(s) electronically <http://apps.wrd.state.or.us/apps/oweb/owrio/default.aspx>.
- Submit data to Oregon Weedmapper – for data standards visit <http://www.oregon.gov/ODA/programs/Weeds/Pages/WeedMapper.aspx>

Appendix A - Allowable Expenses Breakdown

Equipment	Per day/hour expense
ATV	\$75 per 10 hr day*
RTV	\$104 per 10 hr day*
Spray equipment (all types except ATV, RTV – such as truck mounted spray unit)	\$23 per hour*
Other expenses	Per day/hour/mile expense
Overnight lodging (based on federal rates)	\$83 per day**
Meal per diem (based on federal rates)	\$46 per day**
Mileage (based on federal rates)	\$.56 per mile**

* These rates are a compilation of rates provided by various sources to the Nevada State Department of Agriculture for their US Forest Service State and Private Forestry Assistance Grants and The Oregon Department of Agriculture's average daily use rate of like equipment. These rates are simply a recommendation, not standard set rates by any local, state or federal entity. The rates will be used to help guide the OSWB in determining if rates supplied within a proposal are inflated. The rates have been increased by 10% due to cost of living on 9/2012.

** These rates are taken directly from the Federal allowable per diem rates, the rates provided are merely the average rates for Oregon, the OSWB recognizes that some projects exist within higher cost counties additional rates for those counties can be found at:

http://www.gsa.gov/Portal/gsa/ep/contentView.do?queryYear=2008&contentType=GSA_BASIC&contentId=17943&queryState=Oregon&noc=T

Appendix B - Noxious Weed Control Policy and Classification System

DEFINITION:

“Noxious Weed” means any plant classified by the Oregon State Weed Board that is injurious to public health, agriculture, recreation, wildlife, or any public or private property.

Noxious weeds have become so thoroughly established and are spreading so rapidly on private, state, county, and federally owned lands, that they have been declared by ORS 569-350 to be a menace to public welfare. Steps leading to eradication, where possible, and intensive control are necessary. It is further recognized that the responsibility for eradication and intensive control rests not only on the private landowner and operator, but also on the county, state, and federal government.

WEED CONTROL POLICY

Therefore, it shall be the policy of ODA to:

1. Rate and classify weeds at the state level.
2. Prevent the establishment and spread of listed noxious weeds.
3. Encourage and implement the control or containment of infestations of listed weed species and, if possible, eradicate them.
4. Develop and manage a biological weed control program.
5. Increase awareness of potential economic losses and other undesirable effects of existing and newly invading noxious weeds, and to act as a resource center for the dissemination of information.
6. Encourage and assist in the organization and operation of noxious weed control programs with government agencies and other weed management entities.
7. Develop partnerships with county weed control officers, universities, and other cooperators in the development of control methods.
8. Conduct statewide noxious weed surveys and weed control efficacy studies.

WEED CLASSIFICATION SYSTEM

The purpose of this Classification System is to:

1. Act as the ODA’s official guideline for prioritizing and implementing noxious weed control projects.
2. Assist the ODA in the distribution of available funds through Oregon State Weed Board to assist county weed programs, cooperative weed management groups, private landowners, and other weed management entities.
3. Serve as a model for the private and public sectors in developing noxious weed classification systems.

Criteria for Determining Economic and Environmental Significance of Noxious Weeds is Based Upon:

DETRIMENTAL EFFECTS

1. A plant species that causes or has the potential to cause severe production losses or increased control costs to the agricultural and/or horticultural industries of Oregon.
2. A plant species that has the potential to or does endanger native flora and fauna by its encroachment into forest, range, and conservation areas.
3. A plant species that has the potential or does hamper the full utilization and enjoyment of recreational areas.
4. A plant species that is poisonous, injurious, or otherwise harmful to humans and/or animals.

PLANT REPRODUCTION

1. A plant that reproduces by seed capable of being dispersed over wide areas or that is long-lived, or produced in large numbers.
2. A plant species that reproduces and spreads by tubers, creeping roots, stolons, rhizomes, or other natural vegetative means.

DISTRIBUTION

1. A weed of known economic importance which occurs in Oregon in small enough infestations to make eradication/containment possible; or not known to occur, but its presence in neighboring states makes future occurrence seem imminent.
2. A weed of economic or ecological importance and of limited distribution in Oregon.
3. A weed that has not infested the full extent of its potential habitat in Oregon.

DIFFICULTY OF CONTROL

A plant species that is not easily controlled with current management practices such as chemical, cultural, biological, and physical methods.

Noxious Weed Control Classification Definitions

Noxious weeds, for the purpose of this system, shall be listed as either A or B, and may be added to the T List, as directed by the Oregon State Weed Board.

- **A Listed Weed** – a weed of known economic importance which occurs in the state in small enough infestations to make eradication or containment possible; or is not known to occur, but its presence in neighboring states make future occurrence in Oregon seem imminent (Table 1).

Recommended action: Infestations are subject to eradication or intensive control when and where found.

- **B Listed Weed** – a weed of economic importance which is regionally abundant, but which may have limited distribution in some counties (Table 2).

Recommended action: Limited to intensive control at the state, county or regional level as determined on a site specific, case-by-case basis. Where implementation of a fully integrated statewide management plan is not feasible, biological control (when available) shall be the primary control method.

- **T Listed Weed** – Annually, a target list of weed species is selected that will be the focus for prevention and control by the Noxious Weed Control Program. Action against these weeds will receive priority. T listed noxious weeds are designated by the Oregon State Weed Board and directs ODA to develop and implement a statewide management plan. T listed noxious weeds are species selected from either the A or B list (Table 3).

OSWB Budget

January 2014 Budget Categories Definitions at http://www.oregon.gov/OWEB/forms/2014-01budget_category_defs.pdf for eligible costs.

Table I: A Listed weeds

Common name	Scientific name
African rue	<i>Peganum harmala</i>
Camelthorn	<i>Alhagi pseudalhagi</i>
Coltsfoot	<i>Tussilago farfara</i>
Cordgrass Common Dense-flowered Saltmeadow Smooth	<i>Spartina anglica</i> <i>Spartina densiflora</i> <i>Spartina patens</i> <i>Spartina alterniflora</i>
European water chestnut	<i>Trapa natans</i>
Flowering rush	<i>Butomus umbellatus</i>
Giant hogweed	<i>Heracleum mantegazzianum</i>
Goatgrass Barb Ovate	<i>Aegilops triuncialis</i> <i>Aegilops ovata</i>
Goatsrue	<i>Galega officinalis</i>
Hawkweed King-devil Mouse-ear Orange Yellow	<i>Pilosella piloselloides</i> (Hieracium) <i>Pilosella pilosella</i> (Hieracium) <i>Pilosella aurantiacum</i> (Hieracium) <i>Pilosella floribundum</i> (Hieracium)
Hydrilla	<i>Hydrilla verticillata</i>
Japanese dodder	<i>Cuscuta japonica</i>
Kudzu	<i>Pueraria lobata</i>
Matgrass	<i>Nardus stricta</i>
Oblong spurge	<i>Euphorbia oblongata</i>
Paterson's curse	<i>Echium plantagineum</i>
Purple nutsedge	<i>Cyperus rotundus</i>
Silverleaf nightshade	<i>Solanum elaeagnifolium</i>
Squarrose knapweed	<i>Centaurea virgata</i>
Starthistle Iberian Purple	<i>Centaurea iberica</i> <i>Centaurea calcitrapa</i>
Syrian bean-caper	<i>Zygophyllum fabago</i>
Thistle Plumeless Smooth distaff Taurian Woolly distaff	<i>Carduus acanthoides</i> <i>Carthamus baeticus</i> <i>Onopordum tauricum</i> <i>Carthamus lanatus</i>
White bryonia	<i>Bryonia alba</i>
Yellow floating heart	<i>Nymphoides peltata</i>
Yellowtuft	<i>Alyssum murale</i> , <i>A. corsicum</i>

Table II: B listed weeds

Common name	Scientific name
Armenian (Himalayan) blackberry	<i>Rubus armeniacus</i> (<i>R. procerus</i> , <i>R. discolor</i>)
Biddy-biddy	<i>Acaena novae-zelandiae</i>
Broom French* Portuguese Scotch* Spanish	<i>Genista monspessulana</i> <i>Cytisus striatus</i> <i>Cytisus scoparius</i> <i>Spartium junceum</i>
Buffalobur	<i>Solanum rostratum</i>
Butterfly bush	<i>Buddleja davidii</i> (<i>B. variabilis</i>)
Common bugloss	<i>Anchusa officinalis</i>
Common crupina	<i>Crupina vulgaris</i>
Common reed	<i>Phragmites australis</i>
Creeping yellow cress	<i>Rorippa sylvestris</i>
Cutleaf teasel	<i>Dipsacus laciniatus</i>
Dodder	<i>Cuscuta</i> spp.
Dyers woad	<i>Isatis tinctoria</i>
English ivy	<i>Hedera helix</i> (<i>H. hibernica</i>)
Eurasian watermilfoil	<i>Myriophyllum spicatum</i>
False brome	<i>Brachypodium sylvaticum</i>
Field bindweed*	<i>Convolvulus arvensis</i>
Garlic mustard	<i>Alliaria petiolata</i>
Geranium Herb Robert Shiny leaf geranium	<i>Geranium robertianum</i> <i>Geranium lucidum</i>
Gorse*	<i>Ulex europaeus</i>
Halogeton	<i>Halogeton glomeratus</i>
Houndstongue	<i>Cynoglossum officinale</i>
Indigo bush	<i>Amorpha fruticosa</i>
Johnsongrass	<i>Sorghum halepense</i>
Jointed goatgrass	<i>Aegilops cylindrica</i>
Jubata grass	<i>Cortaderia jubata</i>
Knapweeds Diffuse* Meadow* Russian* Spotted*	<i>Centaurea diffusa</i> <i>Centaurea pratensis</i> <i>Acroptilon repens</i> <i>Centaurea stoebe</i> (<i>C. maculosa</i>)
Knotweeds Giant Himalayan Japanese	<i>Fallopia sachalinensis</i> (<i>Polygonum</i>) <i>Polygonum polystachyum</i> <i>Fallopia japonica</i> (<i>Polygonum</i>)
Kochia	<i>Kochia scoparia</i>
Lesser celandine	<i>Ranunculus ficaria</i>
Meadow hawkweed	<i>Pilosella caespitosum</i> (<i>Hieracium</i>)
Mediterranean sage	<i>Salvia aethiopsis</i>
Medusahead rye	<i>Taeniatherum caput-medusae</i>

* Indicates weeds targeted for biocontrol

Continuation of B listed weeds	
Old man's beard	<i>Clematis vitalba</i>
Parrot's feather	<i>Myriophyllum aquaticum</i>
Perennial peavine	<i>Lathyrus latifolius</i>
Perennial pepperweed	<i>Lepidium latifolium</i>
Pheasant's eye	<i>Adonis aestivalis</i>
Poison hemlock	<i>Conium maculatum</i>
Policeman's helmet	<i>Impatiens glandulifera</i>
Puncturevine*	<i>Tribulus terrestris</i>
Purple loosestrife*	<i>Lythrum salicaria</i>
Ragweed	<i>Ambrosia artemisiifolia</i>
Ribbongrass	<i>Phalaris arundinacea</i>
Rush skeletonweed*	<i>Chondrilla juncea</i>
Saltcedar*	<i>Tamarix ramosissima</i>
Small broomrape	<i>Orabanche minor</i>
South American waterweed	<i>Egeria densa (Elodea)</i>
Spanish heath	<i>Erica lusitanica</i>
Spikeweed	<i>Hemizonia pungens</i>
Spiny cocklebur	<i>Xanthium spinosum</i>
Spurge laurel	<i>Daphne laureola</i>
Spurge	
Leafy*	<i>Euphorbia esula</i>
Myrtle	<i>Euphorbia myrsinites</i>
St. Johnswort*	<i>Hypericum perforatum</i>
Sulfur cinquefoil	<i>Potentilla recta</i>
Swainsonpea	<i>Sphaerophysa salsula</i>
Tansy ragwort*	<i>Senecio jacobaea (Jacobaea vulgaris)</i>
Thistles	
Bull*	<i>Cirsium vulgare</i>
Canada*	<i>Cirsium arvense</i>
Italian	<i>Carduus pycnocephalus</i>
Milk*	<i>Silybum marianum</i>
Musk*	<i>Carduus nutans</i>
Scotch	<i>Onopordum acanthium</i>
Slender-flowered*	<i>Carduus tenuiflorus</i>
Toadflax	
Dalmatian*	<i>Linaria dalmatica</i>
Yellow*	<i>Linaria vulgaris</i>
Tree of heaven	<i>Ailanthus altissima</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Water primrose	<i>Ludwigia peploides, L. hexapetala, L. grandiflora</i>
Whitetop	
Hairy	<i>Lepidium pubescens</i>
Lens-podded	<i>Lepidium chalepensis</i>
Whitetop (hoary cress)	<i>Lepidium draba</i>

Continuation of B listed weeds	
Yellow archangel	<i>Lamium galeobdolon</i>
Yellow flag iris	<i>Iris pseudacorus</i>
Yellow nutsedge	<i>Cyperus esculentus</i>
Yellow starthistle*	<i>Centaurea solstitialis</i>

*Indicates weeds targeted for biocontrol

Table III: T Listed. Target weeds.

Common name	Scientific name
African rue	<i>Peganum harmala</i>
Common bugloss	<i>Anchusa officinalis</i>
Cordgrass	
Common	<i>Spartina anglica</i>
Dense-flowered	<i>Spartina densiflora</i>
Saltmeadow	<i>Spartina patens</i>
Smooth	<i>Spartina alterniflora</i>
Dalmatian toadflax*	<i>Linaria dalmatica</i>
Field bindweed*	<i>Convolvulus arvensis</i>
Garlic mustard	<i>Alliaria petiolata</i>
Giant hogweed	<i>Heracleum mantegazzianum</i>
Goatsrue	<i>Galega officinalis</i>
Gorse	<i>Ulex europaeus</i>
Hawkweed	
Meadow	<i>Hieracium caespitosum</i>
Orange	<i>Hieracium aurantiacum</i>
Yellow	<i>Hieracium floribundum</i>
Knapweed	
Spotted	<i>Centaurea stoebe (C. maculosa)</i>
Squarrose	<i>Centaurea virgata</i>
Kudzu	<i>Pueraria lobata</i>
Leafy spurge*	<i>Euphorbia esula</i>
Matgrass	<i>Nardus stricta</i>
Paterson's curse	<i>Echium plantagineum</i>
Perennial pepperweed	<i>Lepidium latifolium</i>
Portuguese broom	<i>Cytisus striatus</i>
Ribongrass	<i>Phalaris arundinaceae</i>
Rush skeletonweed	<i>Chondrilla juncea</i>
Saltcedar*	<i>Tamarix ramosissima</i>
Starthistle	
Iberian	<i>Centaurea iberica</i>
Purple	<i>Centaurea calcitrapa</i>
Tansy ragwort*	<i>Senecio jacobaea</i>
Thistles	
Plumeless thistle	<i>Carduus acanthoides</i>
Taurian	<i>Onopordum tauricum</i>
Woolly distaff	<i>Carthamus lanatus</i>
Yellowtuft	<i>Alyssum murale, A. corsicum</i>

**Indicates the majority of effort is with biocontrol agents

Appendix C - Acreage calculation example

Overlapping acreage calculations

Please report acreage by weed species treated (net treated area) and total acres of the project area (gross). To avoid double counting acres where species overlap, estimate the acres of each species and use that for the totals.

For example: 20 total project acres were treated. Within this area 3 acres of just diffuse knapweed and 2 acres of just spotted knapweed were treated. In an area where the populations overlap an additional 3 acres were treated. About half of the overlapping area was spotted and the other diffuse knapweed.

Report:

Total Project Area (Gross): 20 acres

By Species (Net)

-Spotted knapweed: 4.5 acres

-Diffuse knapweed: 3.5 acres