

ATTACHMENT E

**MISSOURI RIVER WATERSHED COALITION
CENTER FOR INVASIVE PLANT MANAGEMENT
MONTANA STATE UNIVERSITY**

CONSERVATION INNOVATION GRANT PROJECT

**STATEMENT OF WORK
INVASIVE PLANT TREATMENT/MANAGEMENT SERVICES
MONTANA FISH, WILDLIFE, AND PARKS
HARDIN, MONTANA**

**ARAPOOISH PROJECT AREA
INVASIVE PLANT TREATMENT/ MANAGEMENT SERVICES
4-30-2013**

SCOPE OF WORK

1. **Summary:** The requirement for the project is for noxious/invasive plant treatment and inventory. The project work will be conducted on Montana Fish, Wildlife, and Parks lands – Hardin, Montana. The project activities will begin at the time the contract is awarded and continue through the end date of the contracts. All areas treated shall have GPS coordinates, maps, and electronic file for locations according to specifications and guidelines as set forth within this Statement of Work.

The contractor shall furnish all tools, equipment, materials, supplies, personnel, labor, and supervision necessary to complete the contract work requirements.

2. **Project Location(s)/Descriptions/Maps:** The project treatment activities on Montana Fish, Wildlife, and Parks lands will be conducted in a location hereby referred to as: **Arapooish Project Site**. Site specific maps are included in the project Statement of Work –(See Hardin, Montana Area map – page 4 / Arapooish Project Site map – page 5).

The Arapooish project area is located along the riparian buffer area of the Big Horn River, north of Hardin, Montana. The project site has a well-maintained access road, and the existing road will be used to access the project work areas. Off-road travel is restricted to the actual treatment areas.

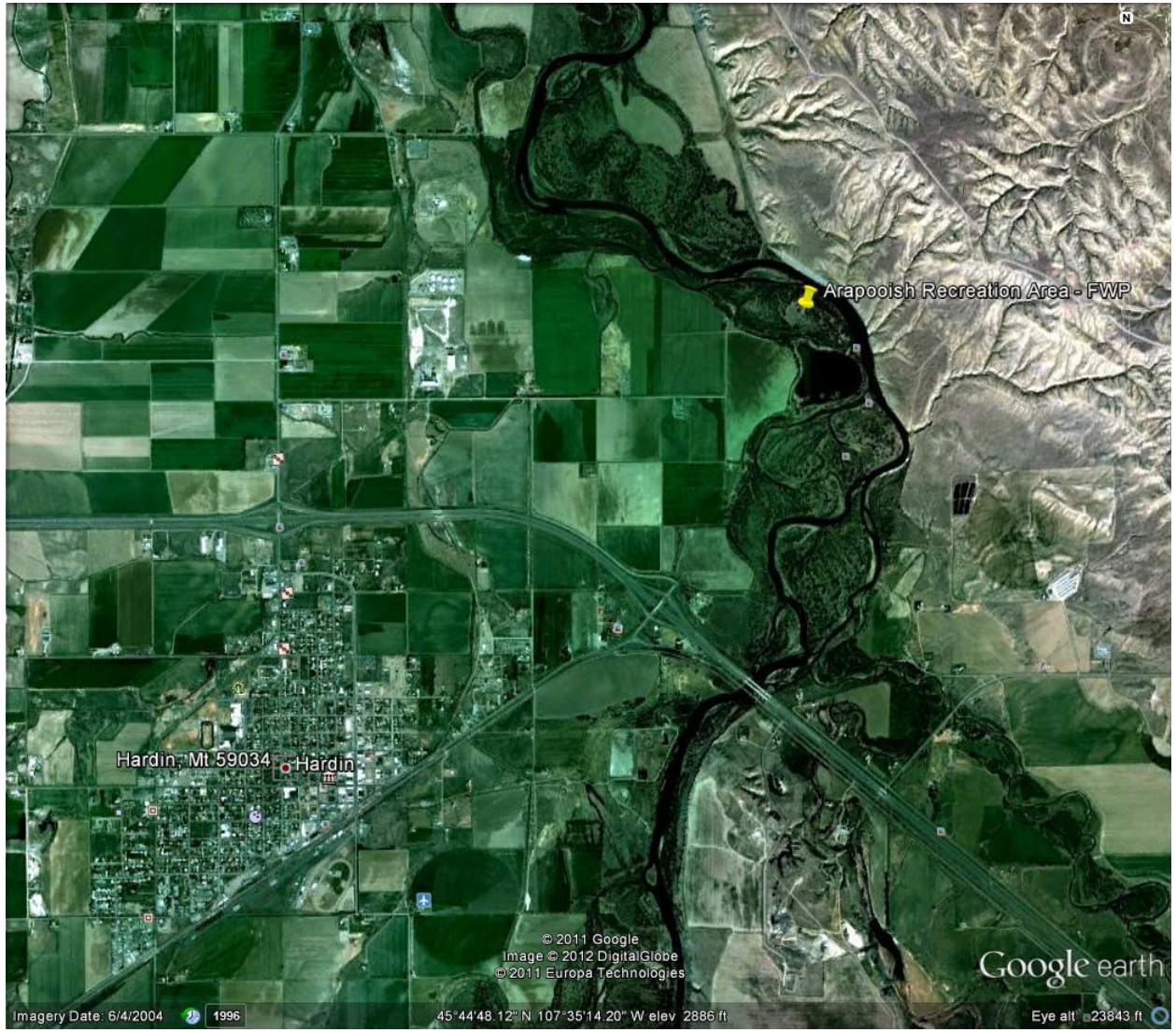
3. **Target Species for Vegetation Control:** Plant species targeted for control include: Russian olive (*Elaeagnus angustifolia*), Saltcedar (*Tamarix* spp.), Canada Thistle (*Cirsium arvense*), Houndstongue (*Cynoglossum officinale*), as identified in the weed assessment surveys.

4. **Work Requirements/Specifications:** The contract requires “spot” herbicide treatments of the target weed locations within the designated project area(s). GPS point collection data of all treatment locations is required to be provided by the contractor to the Project Leader (or designee).

The contractor’s equipment shall meet or exceed all current federal, state, and local safety requirements. The contractor and employees shall be required to wear all appropriate personal protective equipment while conducting project treatment activities. Extreme care shall be exercised at all times by the contractor to protect desirable (non-targeted) species from damages by the required chemical and/or mechanical cutting treatments. The equipment may be stored on-site while the contract work is being performed.

The treatment work shall be conducted between: June 24, 2013 – July 26, 2013; with uncontrollable weather and/or unfavorable site conditions considered. . The Arapooish project area Russian olive and/or saltcedar herbicide treatment work being offered for this contract will consist of weed locations within a total area of **fourteen (14)** acres. The treatment will be conducted within the area that is defined on the treatment area map on page 5 of this document.

5. **Pesticides:** The products (pesticides/oils/adjuvants) used will be provided by the contractor and will need to be included in the bid estimate.
Only EPA registered chemicals approved for use in the State of Montana shall be applied. Chemicals shall be mixed and applied at rates consistent with their perspective labels and manufacturers recommendations. Manufacturer's label directions and warnings relative to temperature, wind, or other weather conditions shall be strictly adhered to.
The specific chemicals, methods, and rates to be used on the Arapooish project area are as follows:
Russian olive/Saltcedar (regrowth) – a 27% triclopyr ester / 73% basal oil (v/v) mixture “spot” applied to cover any visible foliage at the time of treatment. The herbicides/rates to be used for the target terrestrial weed species are: aminopyralid (5 oz/acre) and chlorsulfuron (1 oz/acre) plus non-ionic surfactant (.25% v/v) applied with a total volume spray rate of 30 gallons per acre.
6. **Record Keeping(Pesticides):** The contractor shall be required to complete a daily accurate Pesticide Application Record(PAR) form. The contractor shall submit the completed application records to the Project Leader (or designee) on a weekly basis for inspection of the treatment areas.
7. **GPS:** The contractor will provide and use a GPS data logger that will support ArcGIS 9.2 software, and be able to export to Arcview/Map shapefiles. The contractor will furnish the Project Leader with treatment inventory data CDs containing all collected data files by project name.
8. **Weather Conditions:** The contractor shall provide a continuous operation from day to day; weather permitting, until completion of the work required within the allotted contract time frame. Modification of the project work schedule due to weather or site conditions must be approved by the Project Leader (or designee).



Arapooish Pond (near Hardin, MT)

