

DRAFT SCOPE OF WORK 20151120

Bandon Biota Proposed Land Exchange Restoration of Disturbed Areas

BACKGROUND:

Oregon Parks and Recreation Department (OPRD) requires the following repair and restoration of plant communities for the portion of Bandon State Natural Area (BSNA) that were impacted by well installation and testing. The results of the work will be used as a basis for continuing natural resource restoration at BSNA. The tasks and criteria outlined in this work scope address:

- Restoring plant communities to their natural composition
- Abandoning wells and removing bentonite clay and trash around site
- Controlling gorse in the areas of disturbance
- Allow access to the site from the east for 3 years
- Follow up gorse control

Geographic Work Scope

The geographic work scope includes a total of approximately 1.68 acres located in BSNA in Coos county, Oregon in the following Townships/Ranges and Sections: The locations of the work sites are illustrated on the attached maps.

Bandon State Natural Area – 1.68 acres in T29S R15W Section 26

Project Budget

\$10,000. \$5,000 from Bandon Biota, \$5,000 from OPRD drawn from a \$60,000 fund provided by Bandon Biota to combat gorse on state park property. OPRD will provide guidance and oversight for all expenditures.

PROJECT SCOPE

Product

The Consultant shall complete all work as outlined without removing additional trees, shrubs or herbaceous vegetation.

Timeline

Because of the active growing period of gorse, it is required that herbicide spraying occurs in the spring or late summer to fall; not during the dormant phase in mid-summer. Other tasks are less time sensitive, and could occur at the Consultant's discretion up to completion date.

All work must be completed by July 31, 2016.

No amendment to the Contract shall be effective unless it is in writing signed by the parties, and all approvals required by applicable law have been obtained before becoming effective.

Site Access

Whenever any members of the Consultant's project team will be on site at the OPRD-owned portion of the restoration, the Consultant or the Consultant's designated representative shall contact Sherri Laier, Project Coordinator.

OPRD will require a pre-work field orientation meeting to clarify objectives and areas of particular interest.

Oregon Parks and Recreation Department Contacts

Project Coordinator- Sherri Laier
Oregon Parks and Recreation Department
89814 Cape Arago Hwy.
Coos Bay, OR 97420
Office 541-888-4902 x 245
Sherri.Laier@oregon.gov

WORK SCOPE TASKS AND CRITERIA

Restoration Work

The Consultant shall:

1. Make arrangements for access to the impacted areas by coordinating with the Natural Resources Specialist (see contact information above).
2. Control invasive exotic gorse plants by selectively spraying 2% solution of Triclopyr amine (Garlon 3A, Element 3A) with 0.5% solution of Agridex surfactant and blue dye on seedlings in bulldozed road bed. The consultant is expected to work with the Natural Resources staff on this task. See areas labeled "Spray Gorse" on map. Gorse may be sprayed from October - May
3. Permanent well abandonment of wells 1 and 2 following Oregon's well abandonment standards to prevent contamination, waste of water, and prevent physical injury. This will require filling so movement of water within the well is permanently stopped. The permanent abandonment must be performed by a licensed water well constructor.
4. Follow Water Resources Department standards on Permanent Abandonment of (Cased) Water Well (well 2).
 - a. Abandon using a licensed Water Supply Well Constructor.
 - b. Remove top of casing. Excavate around the casing of well to a depth that allows the casing to be cut off to 3 feet below the surface.
 - c. Fill well hole with UNHYDRATED BENTONITE chips
 - d. Remove all pumping equipment and any foreign objects from the well and remove debris from the surface around the well site.
5. A minimum of 100 plants of *Arctostaphylos uva-ursi* (Kinnickinick) will be planted. Planting to take place between Nov.-Jan., 2015 in areas designated by OPRD (see areas labelled "plant kinnikinnik" on map). Plants must be sourced locally (local genotype) and proof of source location will be required before planting.

6. Plant 5 Disease resistant Port Orford cedar trees (POC) where road was bulldozed to Survey marker (labeled "plant POC" on map).

Roles

OPRD Will:

1. Provide Scope of Work.
2. Direct all work and BSNA access.
3. Hire, or approve hire, of any contractors or suppliers.
4. Fund up to \$5,000 from gorse fund.

Bandon Biota Will:

1. Follow Scope of Work.
2. Provide certain supplies, labor or contracted labor and equipment as mutually agreed to execute remediation plan.
3. Provide no-cost, hold-harmless access across owned property to BSNA.
4. Fund up to \$5,000.

Final Products

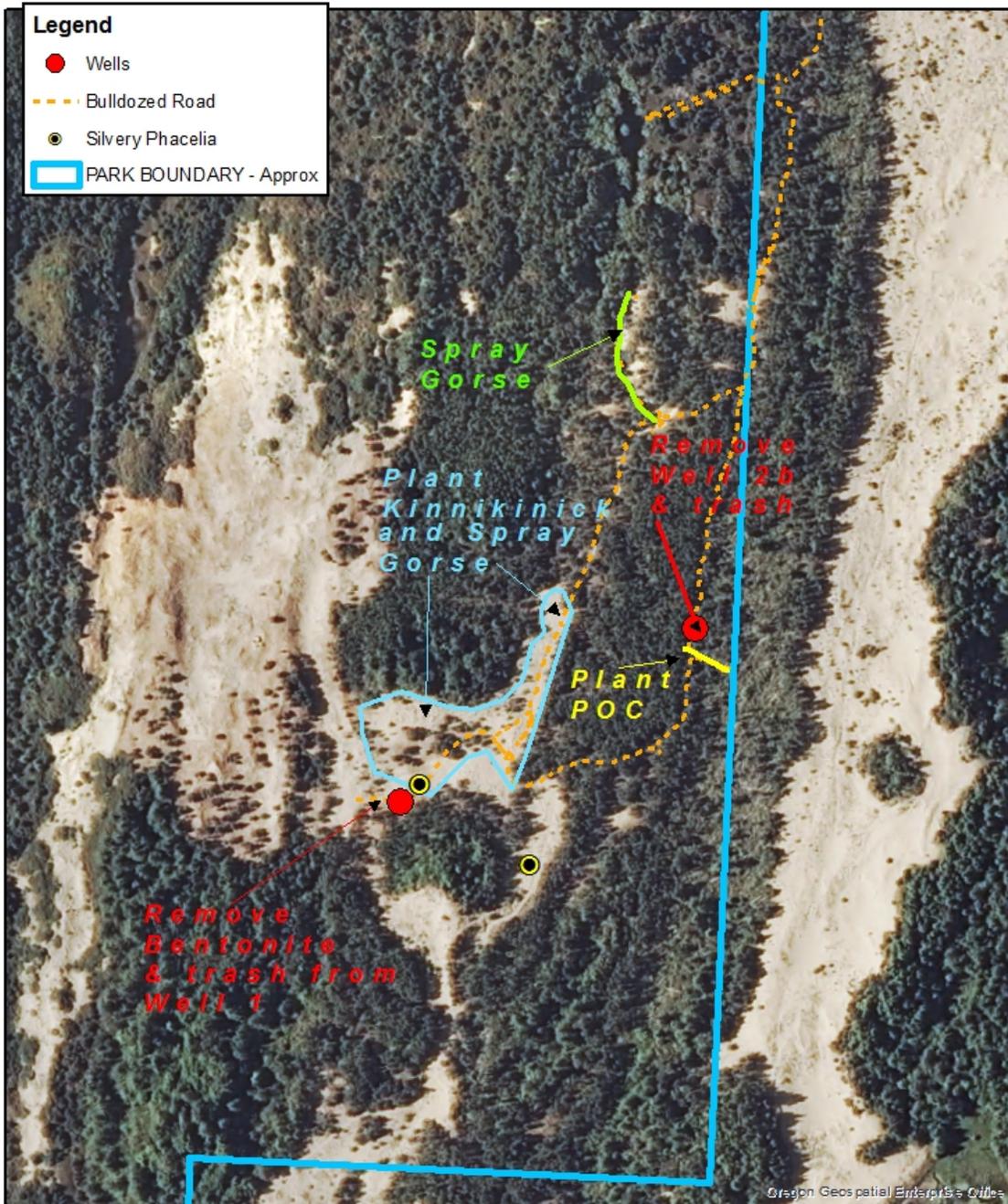
The Consultant shall perform work so that disturbance is not evident. Consultant shall grade to remove track rutting using an excavator or backhoe when leaving the site.

Bandon Biota will allow access to Bandon State Natural from the east for 3 years to enable OPRD to maintain plantings and control gorse.

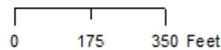
Exhibit A. Defined areas for Scope of Work

Scope of Work for BSNA Disturbance

Oregon Parks & Recreation Dept
 725 Summer St. NE, Suite C
 Salem, OR, 97301



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