

**ATTACHMENTS –**

**QUIL CEDA VILLAGE INVASIVE VEGETATION MANAGEMENT 2024**

**ATTACHMENT A – Overview/Location Map**

**ATTACHMENT B – Jewelweed ( 11 pages)**

**ATTACHMENT C – Reed Canarygrass and Himalayan blackberry sites (3 pages)**

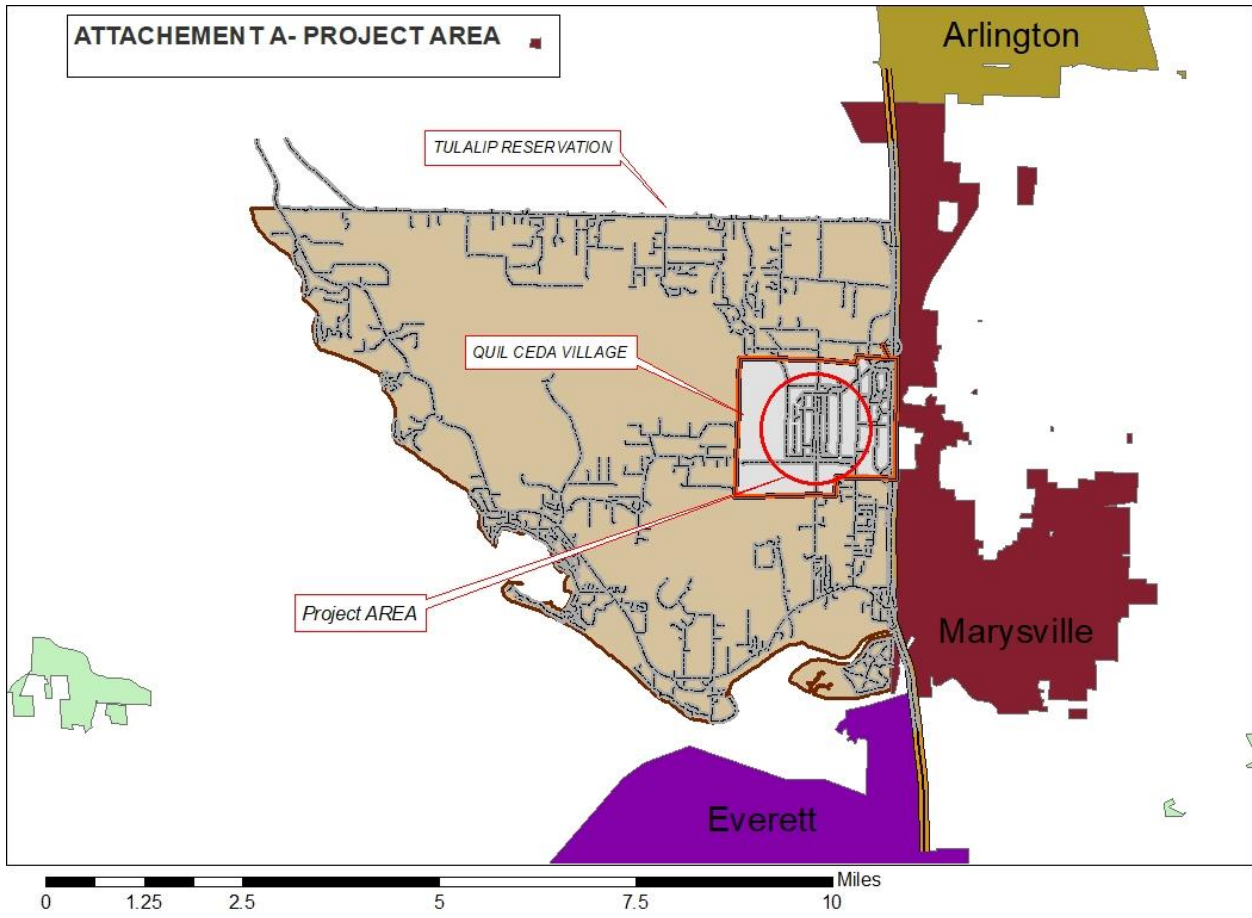
**ATTACHMENT D –Knotweed Site Maps (4 pages)**

**ATTACHMENT E – Knotweed treatment protocols**

**ATTACHMENT F – Jewelweed Treatment Protocols**

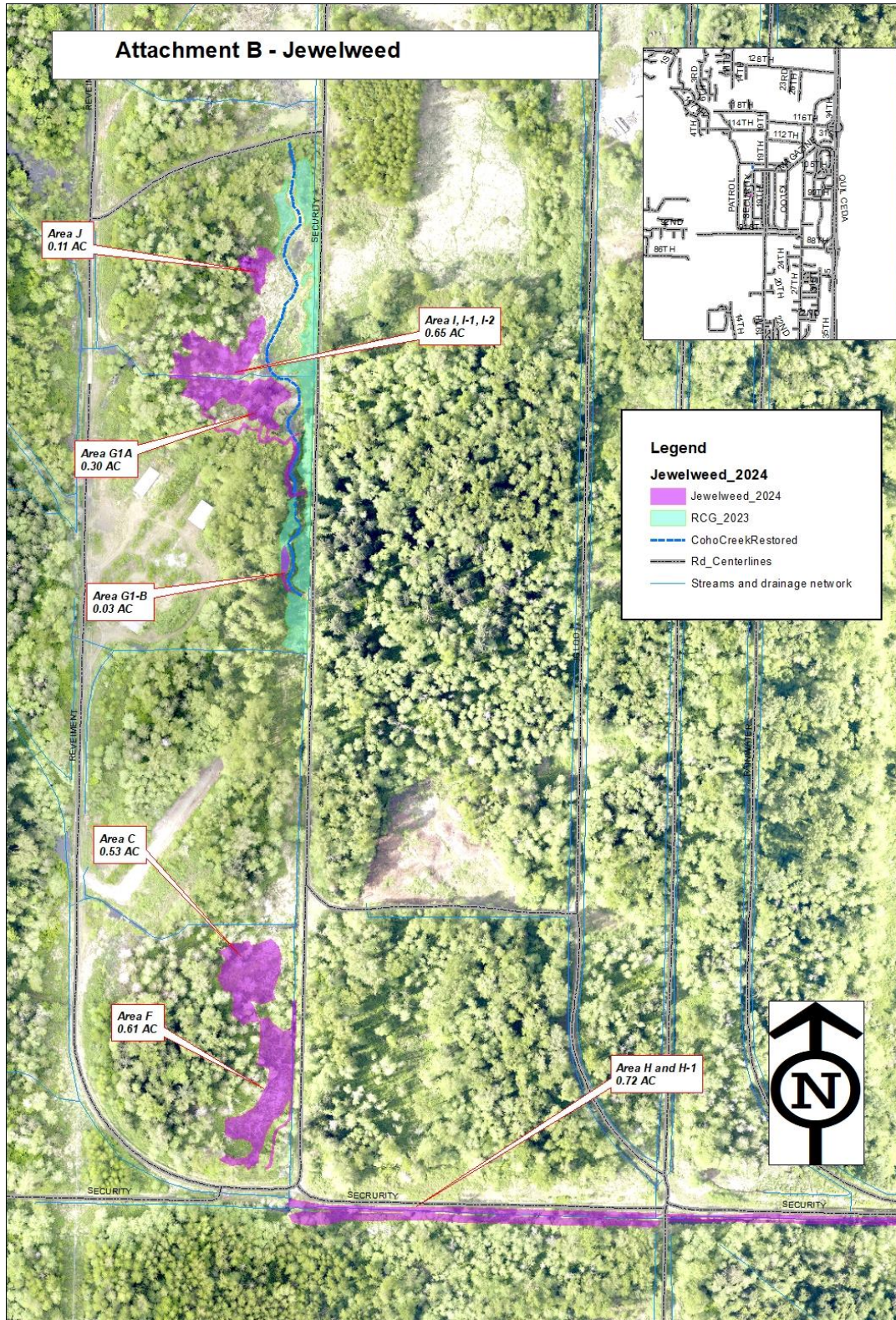
**ATTACHMENT G- Treatment Summary Table**

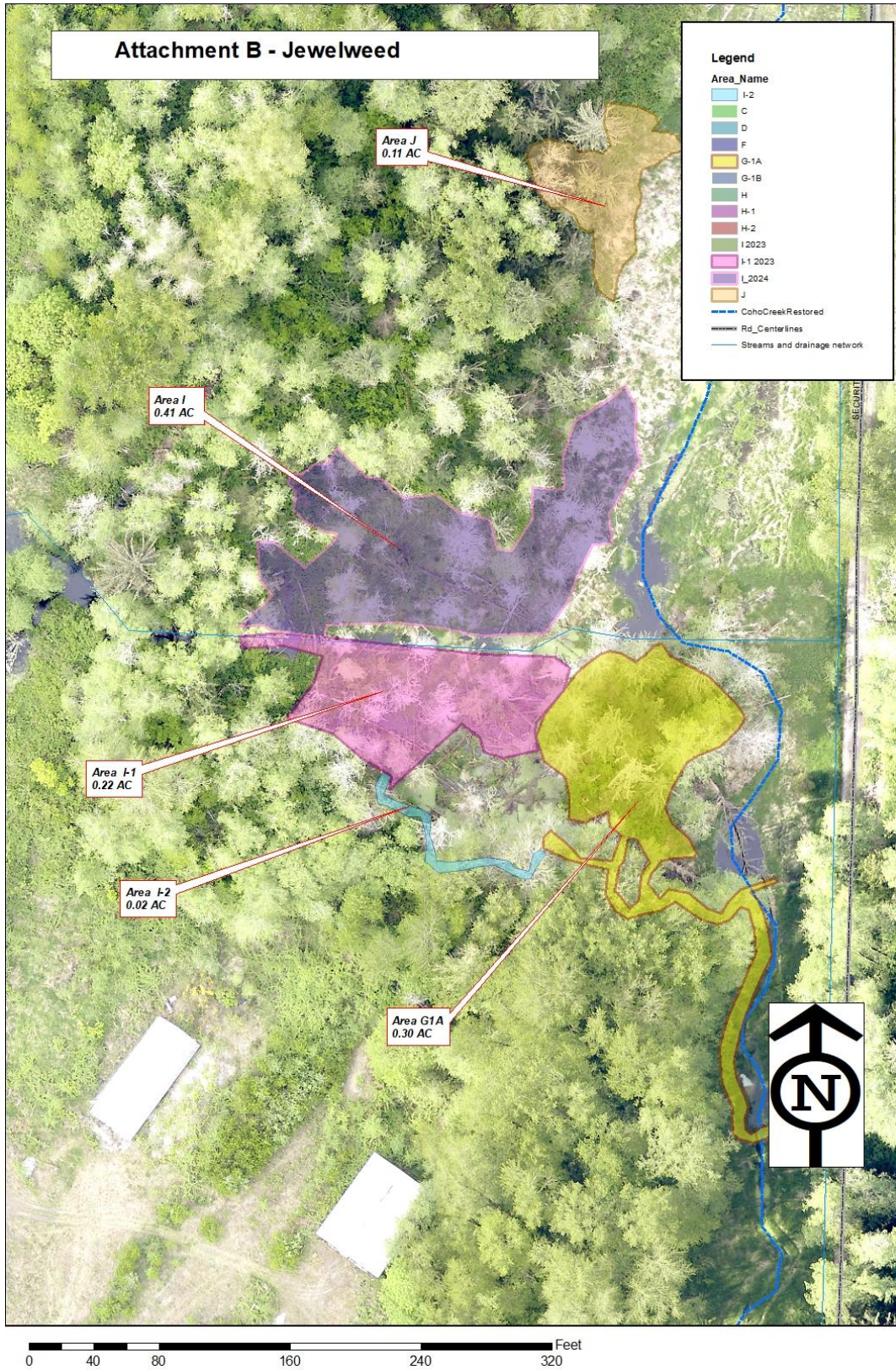
**ATTACHMENT A- PROJECT LOCATION MAP**



D:\Documents\114171\114171.dwg

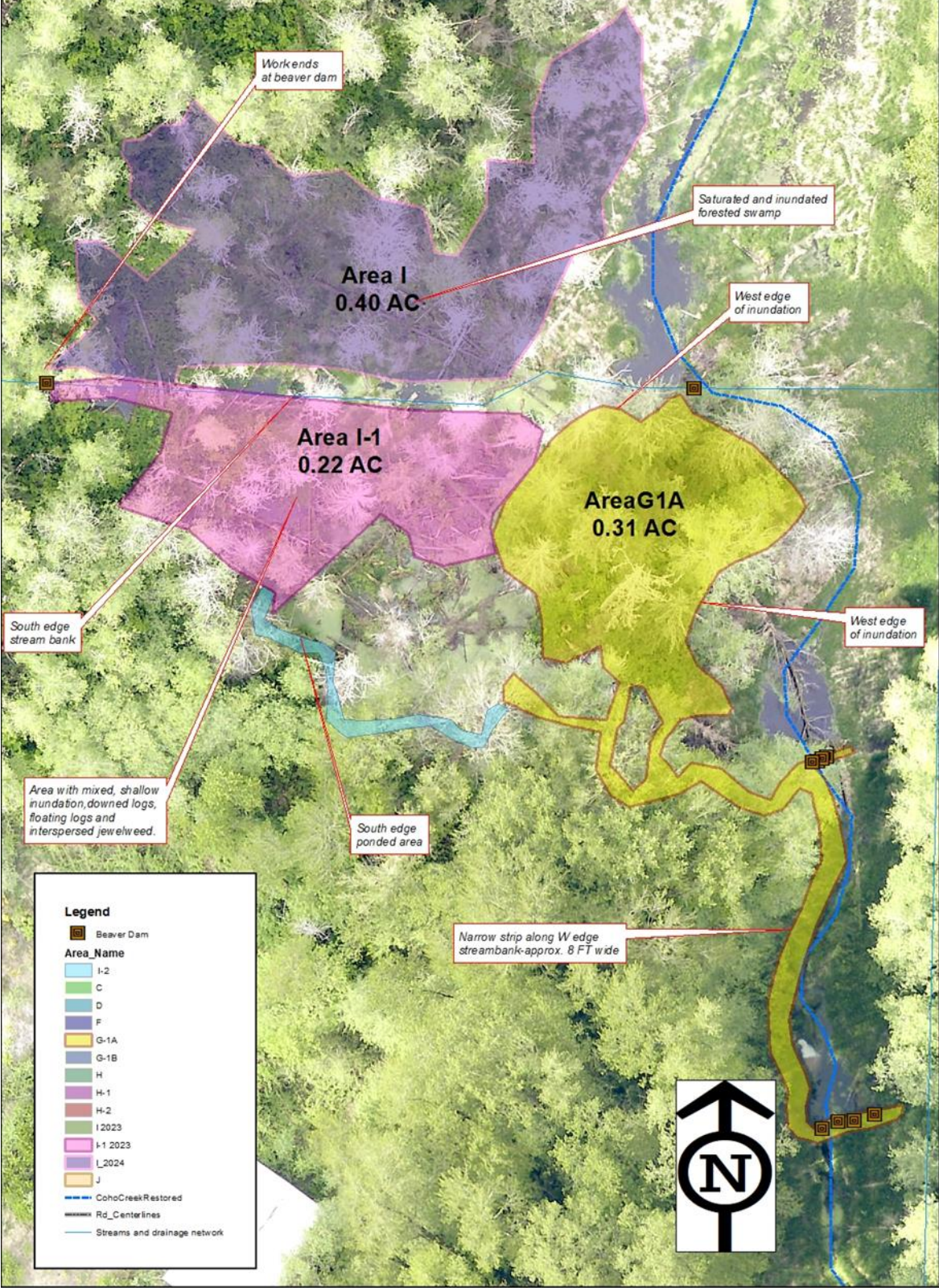
ATTACHMENT B – JEWELWEED



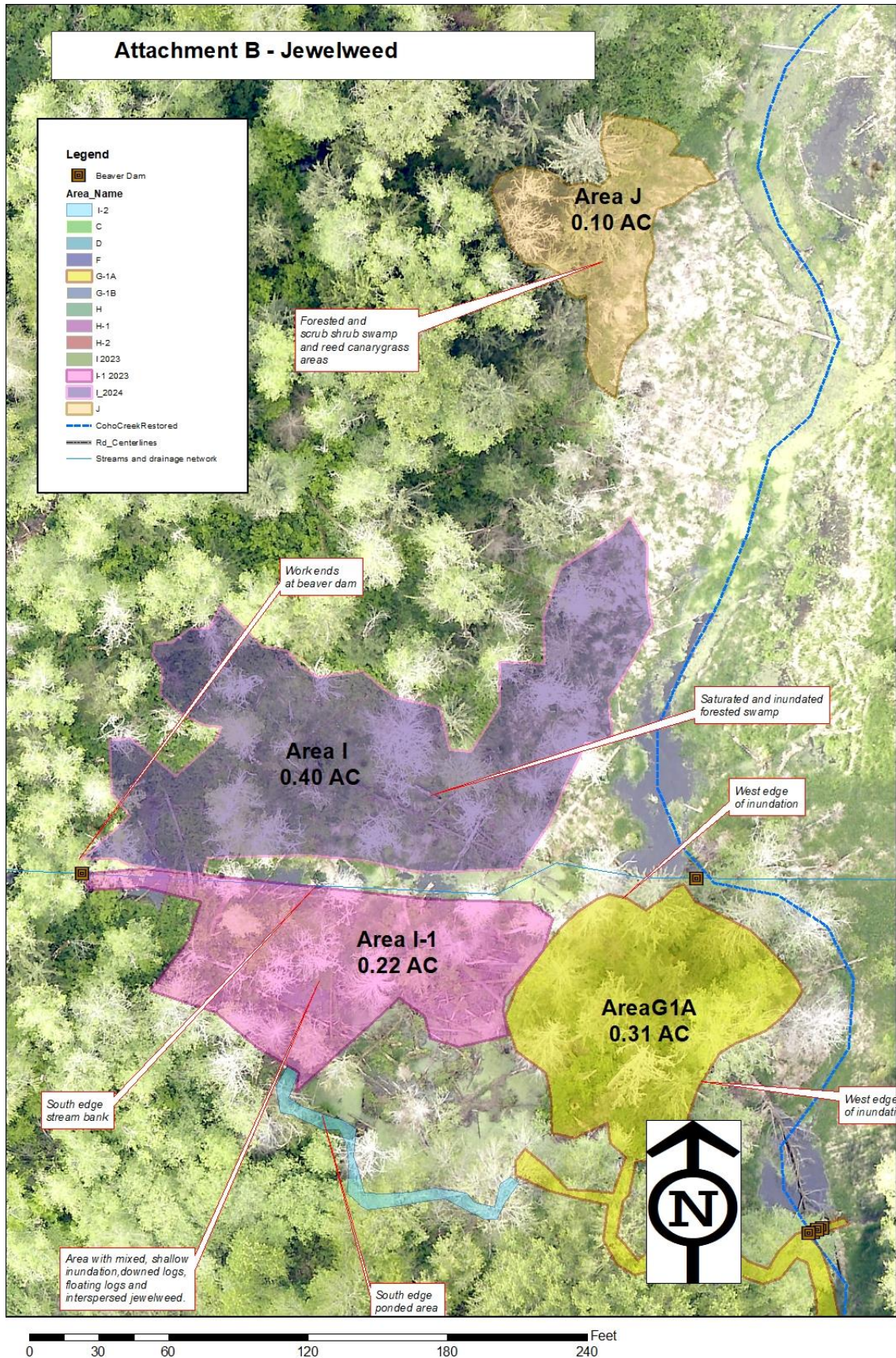


ATTACHMENT B

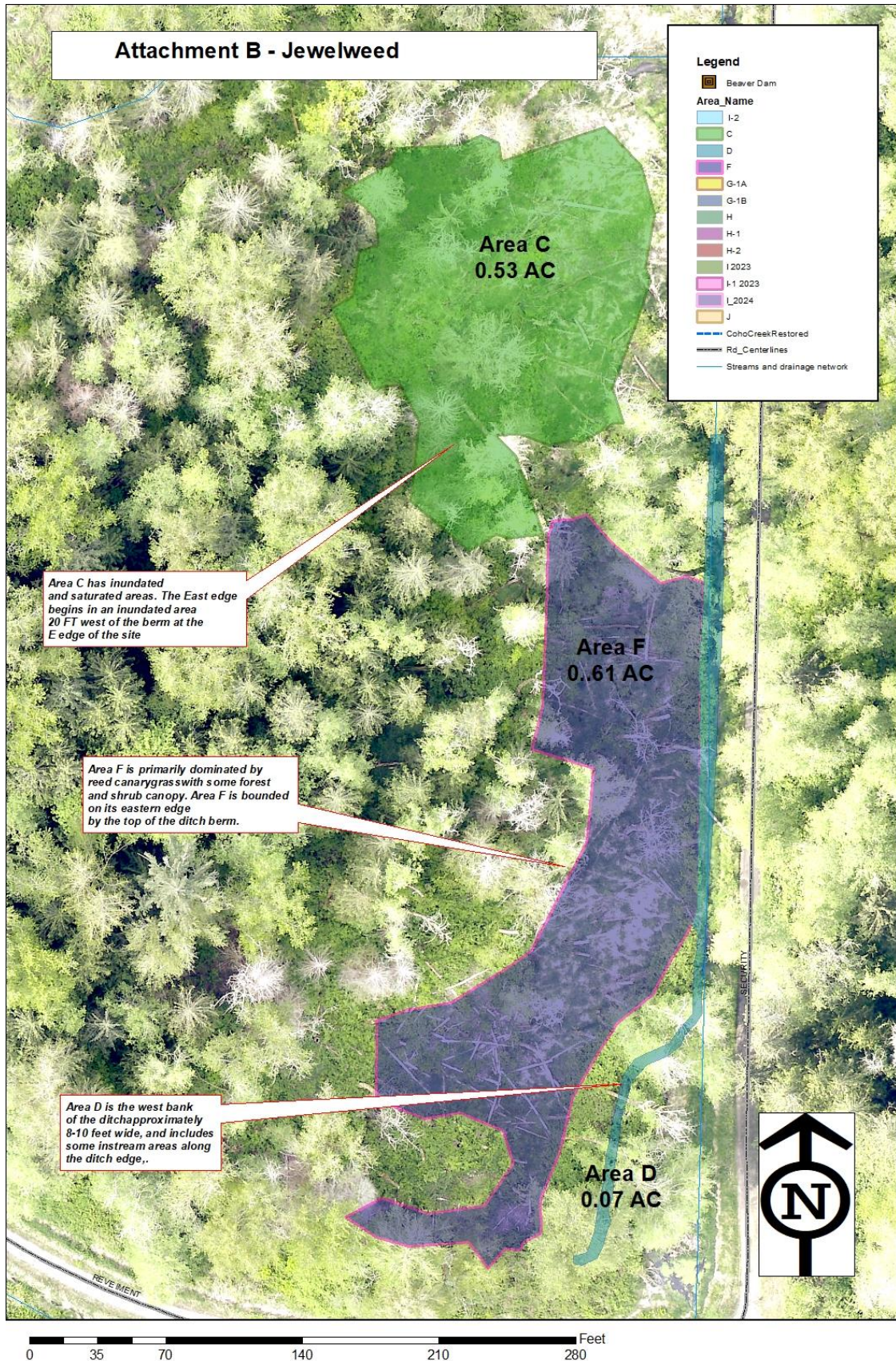
# Attachment B - Jewelweed



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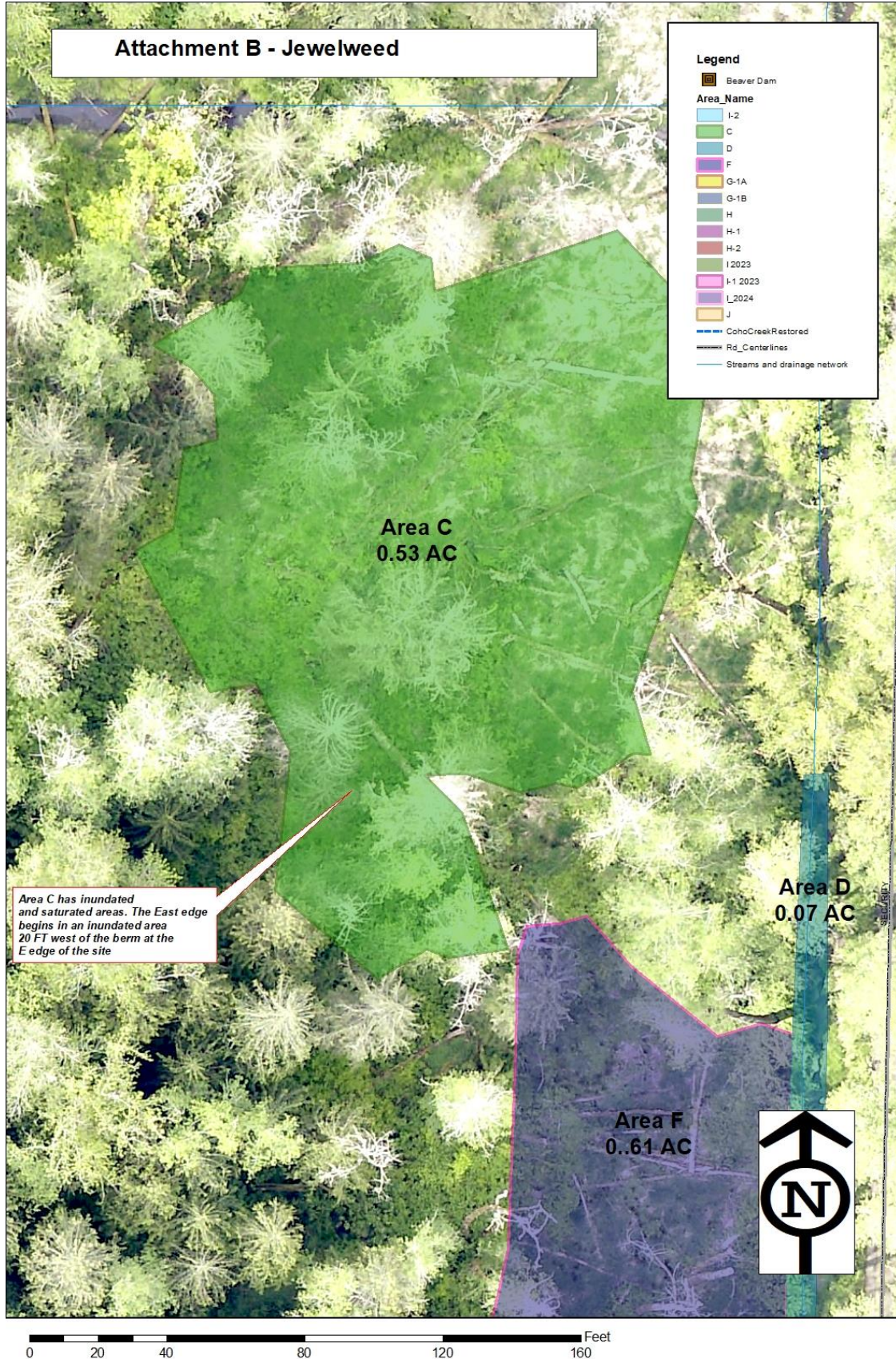


ATTACHMENT B



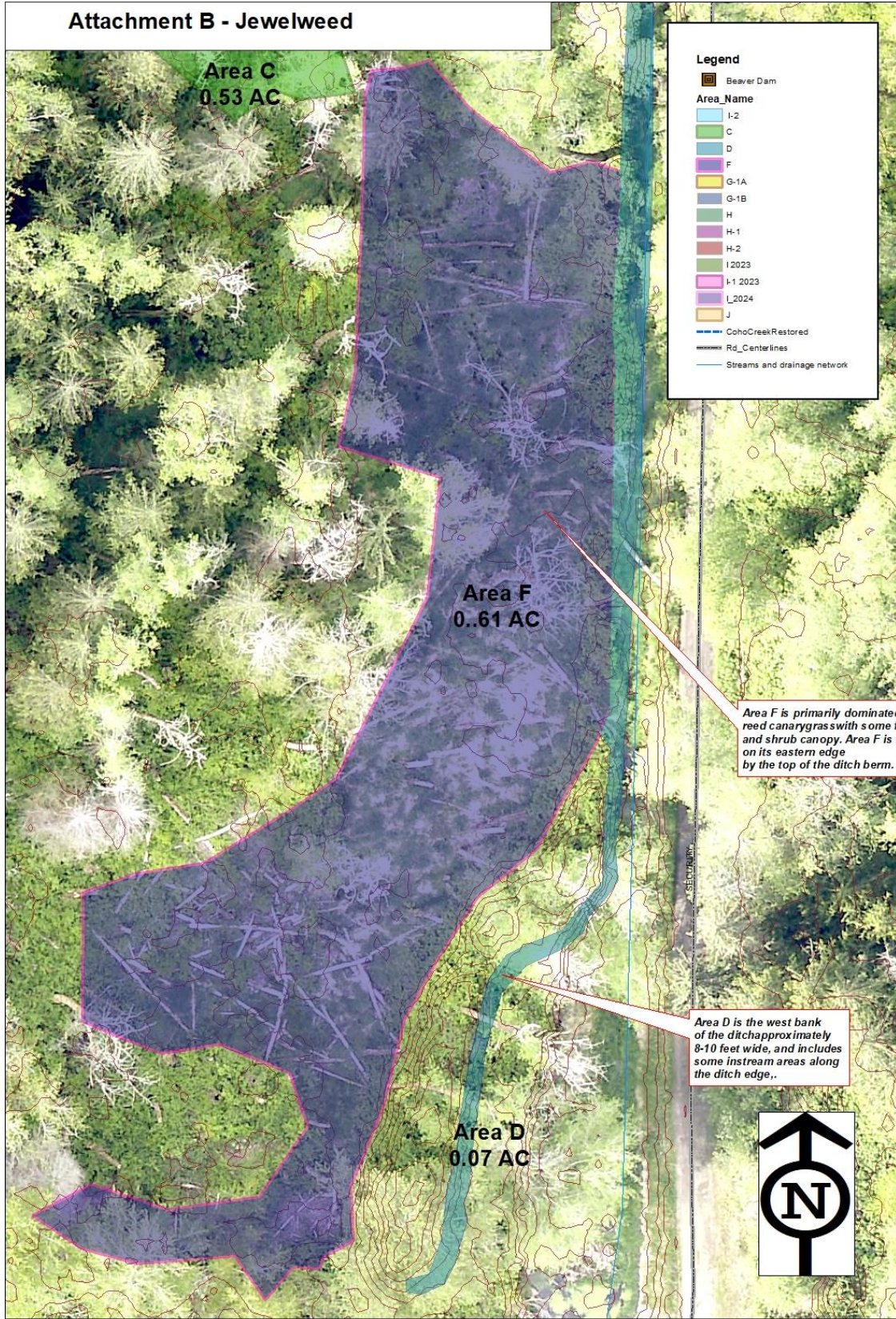
ATTACHMENT B

# Attachment B - Jewelweed





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Attachment B - Jewelweed



Area H and H-1  
0.72 AC

Area H and H-1 is 930 FT long and Average 30-40 FT wide (15- ft per side), including several beaver dams across the channel and some in-channel areas.

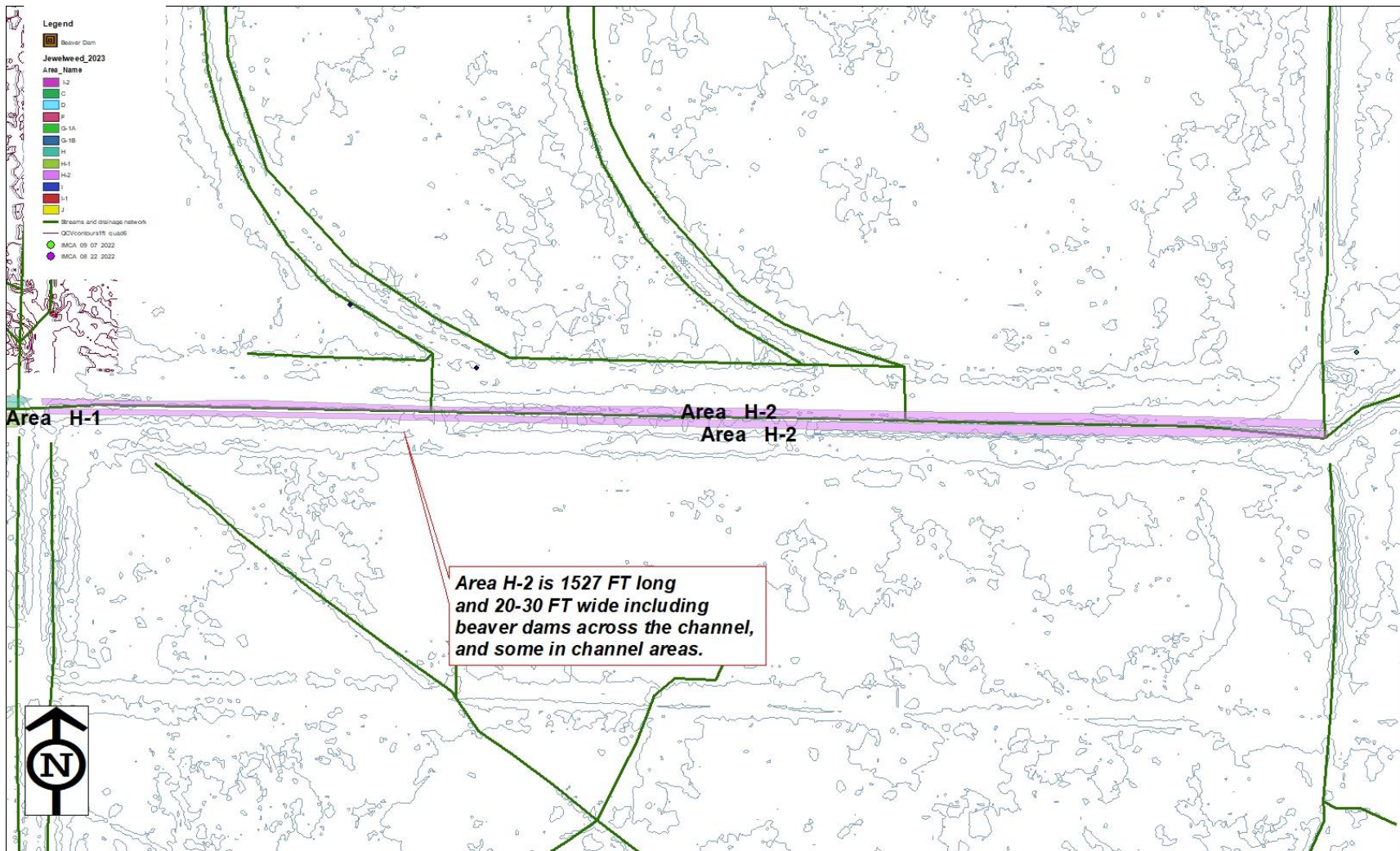
Document Path: Y:\QCV Other Projects\ArcMap files\Area H-RCG-Jewelwd-2021.mxd



Date: 2/2/2023

Document Path: Y:\QCV Other Projects\ArcMap files\Jewelweed 2023\_landscape.mxd

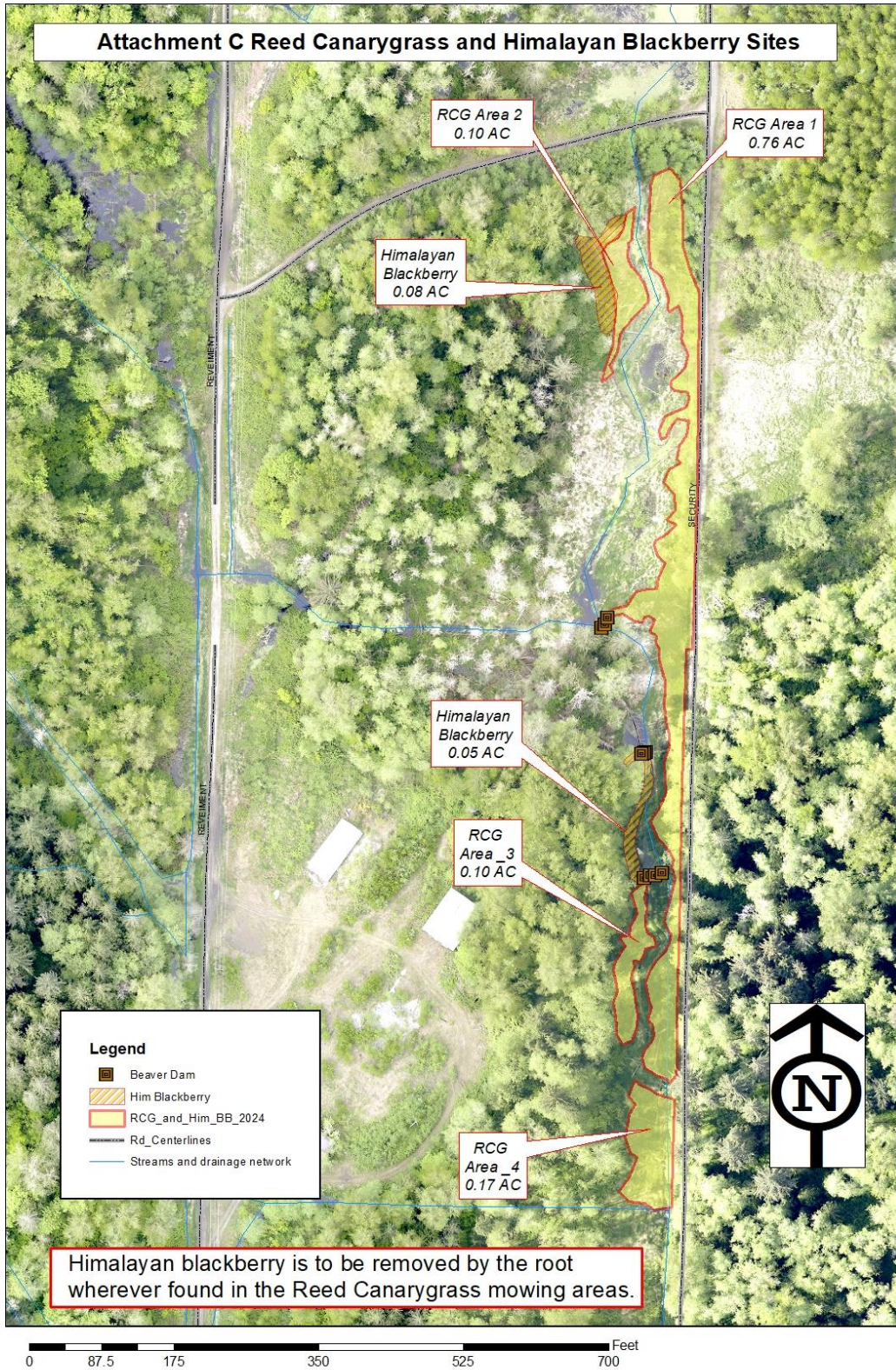




Date: 2/2/2023

Document Path: Y:\QCV Other Projects\ArcMap files\Jewelweed 2023\_landscapet.mxd

ATTACHMENT C – REED CANARY GRASS AND HIMALAYAN BLACKBERRY SITES



# Attachment C Reed Canarygrass and Himalayan Blackberry Sites

Himalayan blackberry is to be removed by the root wherever found in the Reed Canarygrass mowing areas.

RCG Area 1  
0.76 AC

RCG Area 2  
0.10 AC

Himalayan  
Blackberry  
0.08 AC

### Legend

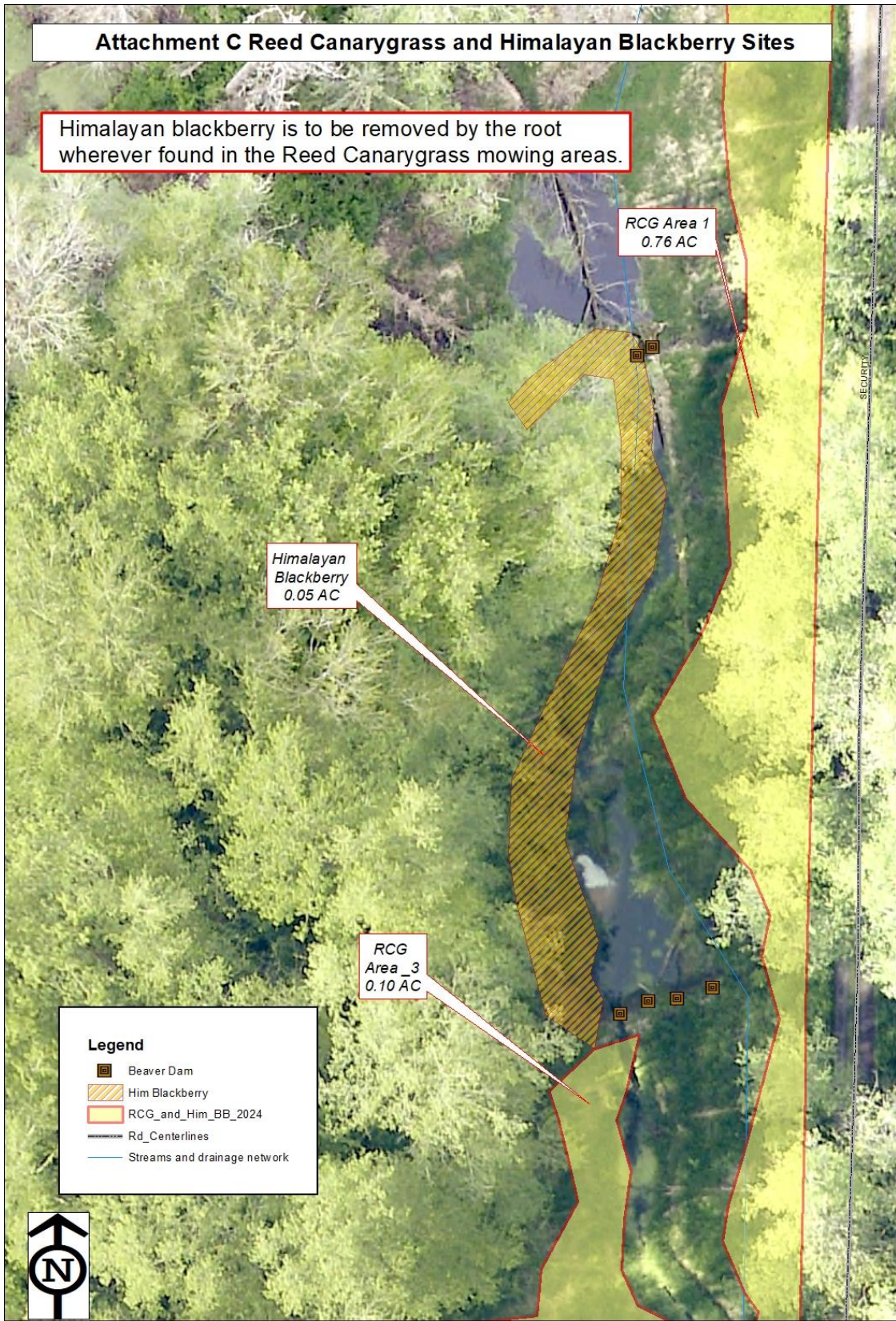
- Beaver Dam
- Him Blackberry
- RCG\_and\_Him\_BB\_2024
- Rd\_Centerlines
- Streams and drainage network



0 15 30 60 90 120 Feet

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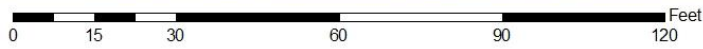
RCG Area\_3  
0.10 AC

RCG Area 1  
0.76 AC

RCG Area\_4  
0.17 AC

**Legend**

- Beaver Dam
- Him Blackberry
- RCG\_and\_Him\_BB\_2024
- CohoCreekRestored
- Rd\_Centerlines
- Streams and drainage network



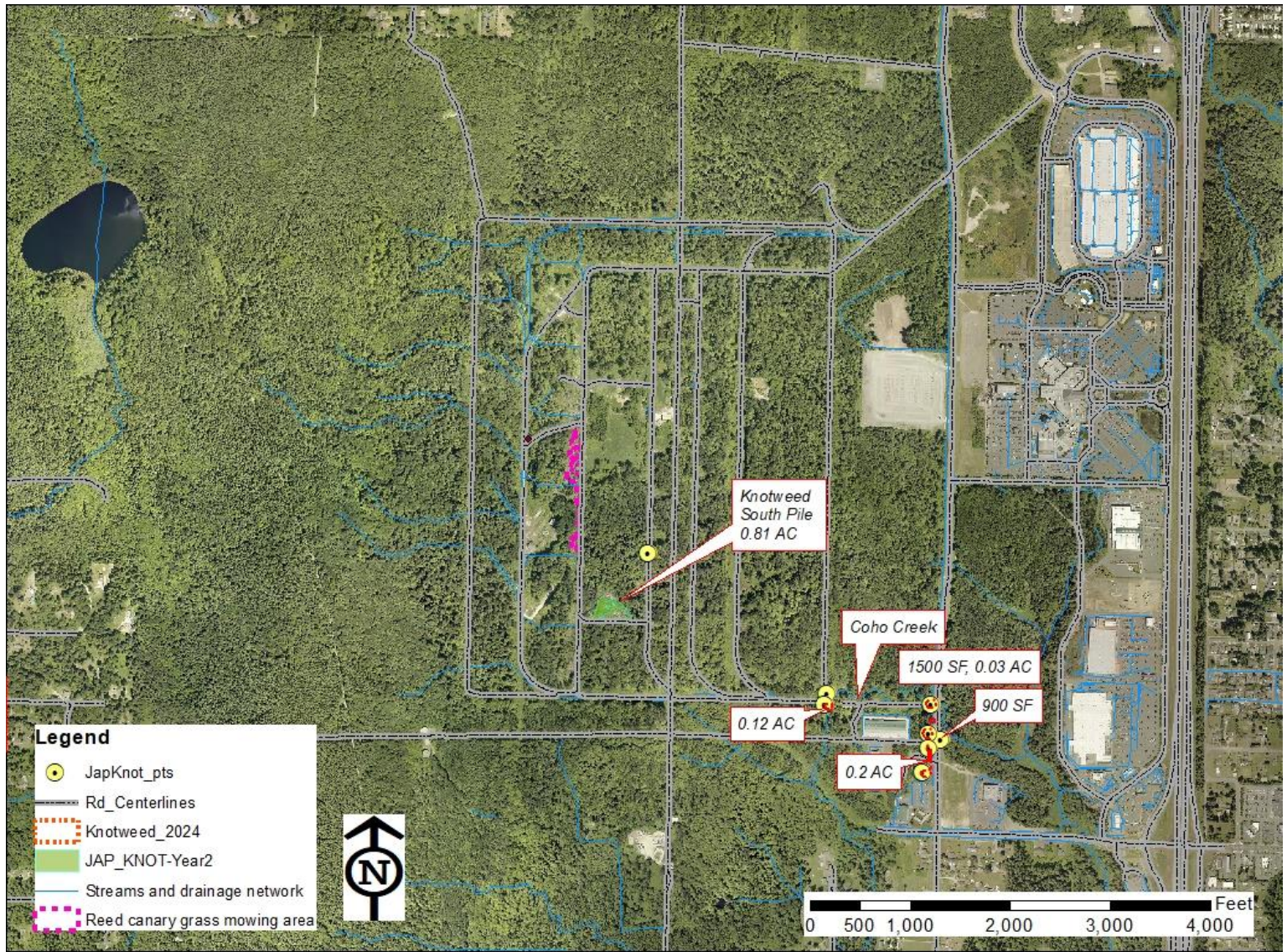
## ATTACHMENT D –KNOTWEED SITES

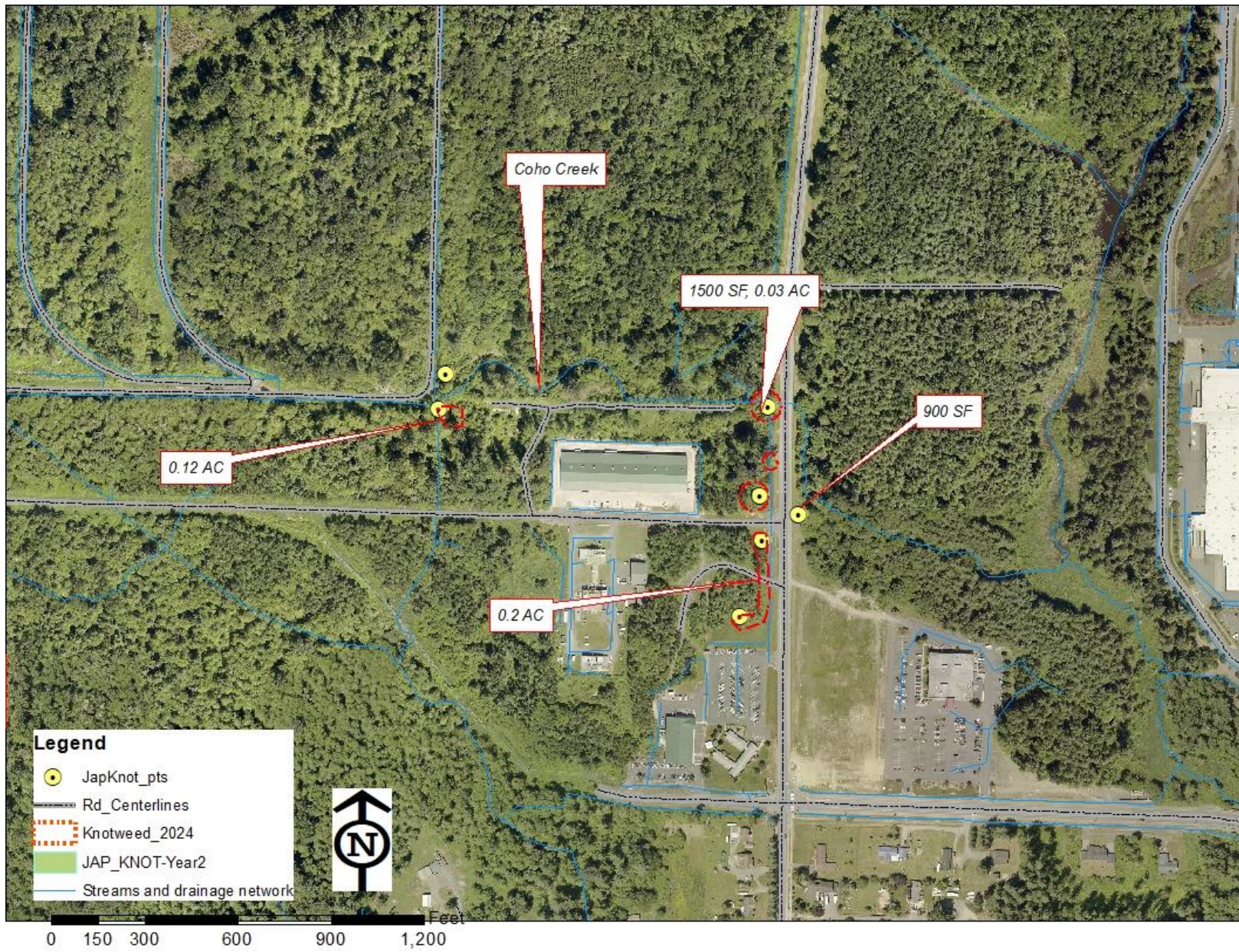


Japanese knotweed treatment is for re-emergence within this area treated in 2020, 2021, and 2022, and will be paid on square feet treated, up to a total of 1.2 acres at all sites.

ATTACHMENT D







ATTACHMENT D

## **ATTACHMENT E – KNOTWEED TREATMENT**

### **Japanese Knotweed treatment-**

Proposed treatment methods and protocols shall be discussed with the project administrator prior to commencing work.

Wait until the last possible moment before the plant senesces to spray or inject plants.

Plants are sterile clones. So don't worry about flowering, but do wait until flowering is over so as not to impact pollinators.

How to approach spraying:

Tall big stems, bend them over and spray them once the leaves turn up.

Depending on size of patch, spray as far as nozzles can shoot over the plants.

Don't need to spray it until its dripping off the leaves.

Could cover the lower plants that you want to protect under the canopy, but there could be some root spread. Alder and native shrubs are sensitive. Willows and conifers tougher.

Aquatic formulation Imazapyr- no additives- works best, has less effect to other vegetation. Glyphosate will not be used.

Large patches of knotweed should not be treated with the injection method due to the potential exceedance of 12 gallons per acre and root spread.

## **ATTACHMENT F – JEWELWEED TREATMENT**

### **Jewelweed treatment-**

Areas to be treated are estimated in location on the map. Payment is by total acreage treated, and not estimated location on the map. Jewelweed extent and locations are gps'd from prior year, but will not have emerged at the time of this RFP and contract signing. The contract is a not-to-exceed acreage basis.

Jewelweed areas are within wetlands and difficult terrain in terms of access and also navigation due to downed logs, areas of inundation, tall areas of reed canarygrass. Access is to the east of Coho Creek and will require crossing inundated areas of the creek.

The contracting officer's representative should be notified of any variance in the ground location of jewelweed patches shown on the map, so that current extent can be determined, if contractor feels this is significant to their contract cost. However, if an area has shifted slightly east, but remains the same acreage, no change in contract cost will be reflected.

Jewelweed is to be pulled out by the roots and no root portions should be left in the ground. Plants pull out easily, but at times portions of the roots do break off and need to be physically removed from the soil. Plants pulled must be removed from the site or mulched on site in piles above the soil or inundated areas where they could re-sprout and keep growing. All plants within the areas shown on the map, or revised maps for 2023 site conditions will be required to be removed. Any rooted plants found upon inspection after completion of the work will require a revisit by the contractor to complete the work.

It is imperative that all jewelweed treatment be accomplished prior to flowering and seed set in late August and September. However, should the plants begin to set seed at any time during the contract, the contractor must follow protocols to avoid seed pod spring activation, and bag all portions of the plants containing flowers and seed pods, at their own cost.

**ATTACHMENT G - SUMMARY TABLES**

<b>Table 1. Summary of Invasive Plant Treatment areas</b>	
Area/ Species	ACRES
Reed canarygrass	
Areas 1, 2, 3, 4	1.2
<b>Total Area</b>	<b>1.2</b>
Himalayan Blackberry	
North and South polygons	0.13
Scattered locations	0.03
<b>Total Area</b>	<b>0.16 Acres</b>
Japanese Knotweed	
Polygons	0.81
Other small scattered sites	0.28
<b>Total Area paid up to</b>	<b>1.2 Acres</b>

<b>Table 2. Summary of Jewelweed Treatment areas</b>	
Jewelweed Areas	ACRES
Area C	0.53
Area D	0.072
Area F	0.61
Area G-1A	0.30
Area G-1B	0.03
Area H	0.28
Area H-1	0.44
Area H-2	0.64
Area I, I-1, I-2	0.60
Area J	0.11
<b>Total Area Treated</b>	<b>3.67</b>