

SITE & REPORTER INFORMATION	Reporter: TAMARA NAUMANN			Date:		
				Time:		
	Reporter Affiliation: YRLSP		Site Name:			
	Is this a new biocontrol monitoring site?		YES <input type="checkbox"/>	Default to YES in 2019, to capture environmental data on legacy sites. If, NO, skip to LEAFY SPURGE COVER.		
	NO <input type="checkbox"/>					
OWNERSHIP	State:	Coordinates: Decimal lat/long or UTM (NAD 83, Zone 13)	Latitude:			
	County:	Elevation: (ft.)	Longitude:			
			UTM E:	_ _ _ _ _		
			UTM N:	_ _ _ _ _		
HABITAT INFORMATION	Ownership Type (Circle Type)	Private - Individual	Colorado-State Wildlife Area	Federal-BLM		
		Private - Corporation or Organization	Colorado-State Park	Federal-Other		
			Colorado-State Trust Lands	Other (specify)		
BIOCONTROL RELEASE and/or MONITORING DATA	Owner/Agency Contact (First and Last Name):			Phone:		
	Permission Required for Access ? YES <input type="checkbox"/> NO <input type="checkbox"/>			If YES, verbal ? <input type="checkbox"/> written ? <input type="checkbox"/>		
	Geomorphic Feature (circle type)	Aspect	Soil Type (circle type)	Vegetation Type (circle type)		
	active channel island	N	sandy loam	sparsely vegetated		
active channel bar	NE	loam	riparian forest			
river bank (edge of active channel)	E	silt loam	riparian herbaceous			
seasonally inundated floodplain	SE	sandy clay loam	agricultural crop (includes grass hay)			
irrigated agricultural field	S	clay loam	upland plant community			
irrigation ditch bank	SW	silty clay loam	Non-Soil Substrate Type			
upland	W	sandy clay	sand (<2mm)			
other (specify)	NW	clay	gravel (2mm to 64 mm)			
	flat (no aspect)	silty clay	cobble (>64mm)			
BIOCONTROL RELEASE and/or MONITORING DATA	LEAFY SPURGE COVER: (circle one)	absent	trace (<1%)	low (1 to 5%)	moderate (5 -25 %)	high (25-100%)
	Weather Conditions: clear partly cloudy overcast rain other (specify)					
	Wind: calm light moderate strong				Air Temp. (°F):	
	Initial Inspection for Biological Control Insects. Check all that were observed:					None <input type="checkbox"/>
	Aphthona—black flea beetles <input type="checkbox"/>		Aphthona—brown flea beetles <input type="checkbox"/>		Oberea—root borer beetles <input type="checkbox"/>	
	Sweep Monitoring for Biological Control Insects. Check all that were sampled:					None <input type="checkbox"/>
	Aphthona—black flea beetles <input type="checkbox"/>		Aphthona—brown flea beetles <input type="checkbox"/>		Oberea—root borer beetles <input type="checkbox"/>	
Total Biological Control Insects counted in 20 sweeps:		Were Biological Control Insects released today? YES <input type="checkbox"/> NO <input type="checkbox"/>		Include quantity and species of released insects in general comments.		
General Comments:						

SITE & REPORTER INFORMATION

Reporter: This is you—your first and last name.
 Reporter Affiliation: e.g., YRLSP, CSU Extension, BLM, Moffat Co., Routt Co., CPW, etc.
 Site Name: Each release site is assigned a unique site name. All future monitoring data collected at each site will be associated with that site name.
 State: CO County: Moffat or Routt Elevation: Record this in feet.
 Coordinates: Record the coordinates at the center of the monitoring plot/release site. These can be recorded in decimal lat/long or UTM's (NAD 83, Zone 13).

OWNERSHIP

Ownership Type: Circle the appropriate ownership category. If "other," include an explanation in the "General Comments" field.
 Owner/Agency Contact: This is the best contact for access permission and/or local biocontrol site history.
 Permission for access: This should be filled out before heading to the field. Necessary written permissions should be brought to the field.

HABITAT INFORMATION

Geomorphic Feature: Our primary interest is riparian settings—please circle the specific type. All upland sites are lumped as a single category. If "other," include an explanation in the "General Comments" field.
 Soil Type: Consult supporting document describing how to estimate soil texture.
 Non-soil substrate type: Active channel sites may have no discernable soil development. Use these categories to describe substrate particle size when no developed soil is present.
 Vegetation Type: In general, "sparsely vegetated" pertains to active channel environments, including islands, channel margin bars and banks. Upland sites may be sparsely vegetated, but should be categorized as "upland plant community." It is permissible to circle more than one category, if the site is mixed.

BIOCONTROL RELEASE and/or MONITORING DATA

General Sampling Instructions

First, sweep randomly in the area around—but not in—the plot, to determine if biocontrol insects are present/absent in the release area. Record observations in the "Initial Inspection" field. Next, five sampling points will be swept along four lines in N, E, S and W direction from release point (20 sample points total). For each line, begin as close to the release point as possible. Using a 15-inch diameter sweep net, make four sweeps in front of you (back and forth twice). Each net sweep should proceed in a downward arc, so that the net moves vigorously through the vegetation as close to the ground as possible. Carefully examine the net and count the biocontrol insects present, then empty the net to release the counted insects. You may empty the insects into the white bucket to facilitate counting. Move ≈5 feet (2 paces) out and repeat above steps—a total of 5 times in each of the 4 cardinal directions.

Record swept insect numbers in the table below and then record the total number from all 20 sampling points.

	N	E	S	W
0 ft.				
5 ft.				
10 ft.				
15 ft.				
20 ft.				
TOTAL				

Photos Taken	
Direction	File Number
N	
E	
S	
W	

Add across the bottom (TOTAL) row to obtain the total for plot. _____