

WETLAND DELINEATION REPORT

for

Arroya Lane Road Expansion El Paso County, Colorado

PREPARED FOR:

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September 25, 2023



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1 INTRODUCTION

Classic Communities ("Proponent") retained Bristlecone Ecology, LLC ("B.E." or "Agent") to perform a wetland assessment and prepare a Wetland Delineation Report for the proposed Arroya Lane road expansion project ("Project") located in unincorporated El Paso County (EPC), Colorado. The Project is planned for the road crossing over Sand Creek approximately 1,000 feet east of Vollmer Road on the southern boundary of the Black Forest region (Figure 1: Site Location Map). The Project will be located in portions of Sections 22 and 27 in Township 12 South, Range 65 West, and can be found on the U.S. Geological Survey's (USGS) Falcon NW 7.5-minute quadrangle (USGS 2020). The Project will expand and pave Arroya Lane to accommodate increased transportation in the area, and will upgrade the existing culvert to a triple-cell box culvert capable of conveying the corresponding higher flow volume in the Sand Creek floodplain. Additional infrastructure includes guardrails, wing walls for the culvert, riprap to stabilize the edges of the floodplain, a check structure to reduce flow velocity, grading, and other necessary modifications Elevations range between approximately 7,235 and 7,250 feet above mean sea level (AMSL). The area delineated for the Project (hereinafter referred to as the "Study Area") is a stretch of approximately 600 feet of Sand Creek bisected from east to west by Arroya Lane; Sand Creek runs through the Study Area generally from north to south. Sand Creek drains to Fountain Creek (and eventually to the Arkansas) in the Middle Fountain Creek watershed, 10-digit hydrologic unit code (HUC) 1102000303.



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Figure 1: Site Location Map



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2 ECOLOGICAL SETTING

The Study Area is located at the intersection of two distinct ecoregions in Colorado: the Pine-Oak Woodlands and the Foothill Grasslands. The Foothills Grasslands ecoregion is composed of a mixture of tall and mid-grasses and isolated pine woodlands (Chapman et al. 2006). Dominant species include little bluestem (*Schizachyrium scoparium*), big bluestem (*Andropogon gerardii*), switchgrass (*Panicum virgatum*), and yellow Indiangrass (*Sorghastrum nutans*) (Chapman et al. 2006). The Pine-Oak Woodlands ecoregion is composed of a ponderosa pine (*Pinus ponderosa*) overstory, with a mid-story of Gambel oak (*Quercus gambelii*) and other shrubs and an herbaceous understory of mixed grasses such as mountain muhly (*Muhlenbergia montana*) and little bluestem. The Foothill Grassland occupy the majority of the site, with pine forest present along the northern edge of the Study Area.

The topography of the Study Area consists mainly of a mix of flat to rolling foothills grasslands, interspersed with scattered pine woodlands and a few shrubs. The Study Area can be broken down into vegetation subgroupings that largely correspond to the ecoregion types that are present. Foothill Grassland vegetation predominates, with pockets of Pine-Oak Woodlands vegetation interspersed in smaller quantities and concentrated in the areas mentioned above. Sand Creek forms a riparian and wetland corridor that bisects the Study Area from the north to the south. The wetland/riparian corridor has good plant diversity and healthy structure in a confined fluvial plain, while the surrounding grasslands show moderate diversity and relatively poor structure. Stable riparian and wetland communities along Sand Creek support species such as plains cottonwood (*Populus deltoides*), narrowleaf cottonwood (*Populus angustifolia*), peachleaf willow (*Salix amygdaloides*), and sandbar willow (*Salix exigua*), as well as a variety of sedges, rushes, and grasses. The pine forests nearby extend into the northern portion of the site, with ponderosa pines, mountain mahogany (*Cercocarpus montanus*), Western wheatgrass (*Pascopyrum smithii*), blue grama (*Bouteloua gracilis*), and mountain muhly the most common species.

Isolated areas of wetlands are found in the Foothill Grasslands ecoregion subgrouping within the Study Area. Wherever upland swales form due to topography in this subtype, the potential for wetter conditions supporting the formation of hydric soils and growth of hydrophytic vegetation is possible. Primary stream systems such as Sand Creek support more developed scrub-shrub wetlands along a longer, connected corridor. Upland swales in the Study Area did not support wetlands, but the Sand Creek floodplain supported large, contiguous areas of emergent and scrub-shrub wetlands.





METHODS 3

The purpose of the wetland delineation was to survey and delineate the boundaries of any potentially jurisdictional aquatic resources within the Study Area, as defined under Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act (RHA). Aquatic resources include jurisdictional wetlands and other regulated Waters of the U.S. (WOTUS) such as streams/rivers, ponds/lakes, and ditches, as well as non-regulated wetlands, streams/rivers, ponds/lakes, ditches, and other surface water features.

Prior to the on-site assessments, a preliminary desktop analysis was performed to evaluate overall aquatic resource characteristics of the Study Area and identify the locations of potentially jurisdictional wetlands and watercourses. Spatial data, aerial imagery sources, and other publicly available data reviewed included:

- USGS National Aerial imagery Program (NAIP),
- USGS National Hydrography Dataset (NHD),
- U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) maps, •
- Natural Resource Conservation Service (NRCS) soil survey maps,
- and Federal Emergency Management Agency (FEMA) floodplain maps.

Prior wetland studies/delineations were also referenced. In May 2017, Core Consultants performed a formal wetland delineation and later walked the site with a USACE regulator, receiving a jurisdictional determination and confirmation of the findings of the wetland delineation. Since the Core Consultants wetland delineation is more than five years old and thus no longer valid, B.E. performed a new delineation on May 4th, 2023. Wetlands, streams, and other aquatic features identified in the desktop analysis were inspected in the field to assess their presence/absence and jurisdictional potential. The wetland delineation was performed in accordance with the Western Mountains, Valleys, and Coast Regional Supplement (Version 2.0) (USACE 2010) to the 1987 USACE Wetland Delineation Manual (USACE 1987).

The determination of a wetland depends on the presence or absence of three parameters: 1) hydrophytic vegetation, 2) hydric soils, and 3) wetland hydrology during the wettest season. Vegetation, soils, and hydrology were analyzed to determine the presence of wetlands, watercourses, and other special aquatic features. A wetland delineation was conducted for potential WOTUS, including wetlands, within the Study Area. Boundaries were mapped using a Trimble Geo 7X mapping unit (Appendix A: Wetland Location Maps). Photographs were taken depicting field conditions at the time of the site visits (Appendix B: Photographic Log). Results of the field assessment and descriptions of observed features are detailed below (Appendix C: Wetland Determination Data Forms and Appendix D: OHWM Delineation Datasheets). Wetland indicator status for vegetation was based on the National Wetland Plant List (Lichvar et al. 2020).



BACKGROUND DOCUMENTATION REVIEW 4

Aerial photographs, NWI maps, FEMA flood hazard maps, and county soil survey maps were utilized to document Study Area background information. A discussion of each evaluation process follows.

Aerial Photograph Review 4.1

Aerial photographs dated 1999, 2004, 2005, 2006, 2011, 2013, 2015, 2017, 2019, 2020, 2021, and 2022 were obtained from the U.S. Department of Agriculture (USDA) Farm Service Agency (USDA 2022). Aerial photograph interpretation was conducted to identify potential wetlands, watercourses, and other notable landscape features within the property. Aerial imagery showed darker vegetation along the Sand Creek fluvial plain, potentially indicative of wetlands. Vegetation appeared dense and shrubby closest to the Arroya Lane crossing, with shrubby vegetation extending for more than a half mile downgradient. Upgradient, the floodplain appeared to be more sparsely vegetated, with patches of shrubs and more emergent vegetation as one approaches the Sand Creek headwaters. Other potential wetland areas were not noted on aerial images; this assessment agrees with the prior wetland delineation by Corps Consultants and the concurring jurisdictional determination from the USACE. Aerial images may provide a starting point for determining the locations of wetlands, but they are often inaccurate and must be field verified.

National Hydrography Dataset and National Wetlands Inventory Review 4.2

The USFWS' NWI and USGS' NHD datasets were reviewed for the possible presence of wetlands and streams, respectively, within the Study Area. The NHD and NWI datasets depict the probable locations of aquatic resources based on aerial photograph interpretation. Aquatic resources include jurisdictional wetlands and other regulated WOTUS such as streams/rivers, ponds/lakes, and ditches, as well as non-regulated wetlands, streams/rivers, ponds/lakes, ditches, and other surface water features. NHD and NWI maps may not accurately depict the extent or existence of wetland and river systems in a specific area, nor do maps consistently and accurately identify wetland type. As such, the maps were utilized for preliminary analysis only. Aquatic features that were depicted in the data can be seen in Figure 2: National Wetlands Inventory & National Hydrography Dataset Map, and include the following three features:

- Sand Creek, which is identified in the NWI dataset throughout the site as Riverine, Intermittent, Streambed, temporarily flooded (R4SBA); the channel splits north of the site boundary. The NHD data shows Sand Creek in the same location as the NWI.
- A tributary to Sand Creek is shown joining the main channel from the northeast, and is identified in the NWI dataset as Riverine, Intermittent, Streambed, seasonally flooded (R4SBC). The NHD data shows this tributary in the same location as the NWI data.
- A small pond is shown along the tributary near the eastern edge of the Study Area, identified in the NWI as a Palustrine, Unconsolidated Bottom, semi-permanently flooded wetland (PUBF). This pond is shown in the NHD data in the same location.



4.3 County Soil Survey Map Review

County soil survey data indicate that the site is composed entirely of Pring coarse sandy loam, 3 to 8 percent slopes (**Figure 3**: NRCS SSURGO Soils Data). The Pring soils series is a consociation, so other, minor soil series may be present within it (NRCS 2023). The primary minor series that forms the remainder of the consociation is the Pleasant series, which is typically found in depressions and is rated as hydric in El Paso County (NRCS 2023).

A review of the hydric soil ratings for all soil components present in the Study Area was performed to aid in the determination of wetland habitats during the site reconnaissance. Hydric soils are those that form under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions, and their formation is required for the establishment of wetlands to take place. The Pring series was described as having a hydric rating of zero (less than 1% hydric components) (NRCS 2023). The minor Pleasant component of the Pring consociation is rated as hydric in EPC under the criterion that it is "frequently ponded for long or very long duration during the growing season" (NRCS 2023). Based on these ratings, the suitability of the fluvial plain and other depressions where the Pleasant component is more likely to be found, and relatively low everywhere else. If wetlands occur onsite, they are most likely to form along the Sand Creek corridor, and possibly within other isolated depressions.

4.4 FEMA Floodplain Map Review

A review of FEMA floodplain hazard maps (FEMA 2023) was conducted to determine the existence, location, and extent of floodplains located within the Study Area. The floodplain hazard maps depict floodplain areas along rivers and tributaries. The maps record the following data: 100-year floodplains (1% chance of annual flooding) and 500-year floodplains (0.2% annual chance of flooding), the height of the base flood (Base Flood Elevations), and the risk premium zones developed from topographical information across a floodplain. FEMA generates floodplain maps for flood insurance purposes.

A review of the National FEMA flood hazard layer (2023) indicated that portions of the Study Area within and adjacent to Sand Creek are in Zone AE, and are thus at risk of inundation by a 100-year flood (**Figure 4**: *FEMA Flood Hazard Layer*). In addition, a small portion of the remaining area within the Sand Creek fluvial plain is within the 500-year flood zone (0.2% annual chance of flooding) (**Figure 4**). The remainder of the property is identified as Zone X flood zone, which consists of areas of minimal flood risk "outside the 1-percent and 0.2-percent-annual-chance floodplains" (FEMA 2005).



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Figure 2: National Wetland Inventory & National Hydrography Dataset



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Figure 3: NRCS SSURGO Soils Data





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Figure 4: FEMA Flood Hazard Layer





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5 FIELD SURVEY RESULTS

A formal wetland delineation was first performed on the site in May 2017 by Core Consultants. A site visit with USACE representatives later confirmed the boundaries and regulatory status of wetlands delineated on the site at that time. B.E. performed a new delineation on May 4th, 2023, to update the boundaries of the wetlands delineated in 2017 in anticipation of future Section 404 permitting (see **Appendix A**: *Wetland Location Map*). One feature, Sand Creek and its associated wetlands, was delineated as two wetlands (W1 and W2) separated by Arroya Lane but connected hydrologically by a culvert under the road. Sand Creek is presumed jurisdictional under the CWA, as are all its abutting wetlands, based on the prior delineation and jurisdictional (**Appendix A**). There was no OHWM that could be detected within the fluvial plain, as confirmed using the USACE's *Guide to Ordinary High Water Mark (OHWM) Delineation in the Western Mountains, Valleys, and Coast Region of the United States* (see **Appendix D**). The wetlands delineated on the site are further classified in **Table 1** below.

Wetland ID	Latitude	Longitude	Wetland Type	Size	Regulatory Status ¹
W1	38.983412°	-104.662243°	PSS1A – Palustrine, Scrub-Shrub, Broad-Leaved Deciduous, Temporarily Flooded	0.64 acres	Jurisdictional
W2	V2 38.984375° -104.662956° Broad		PSS1A – Palustrine, Scrub-Shrub, Broad-Leaved Deciduous, Temporarily Flooded	0.42 acre	Jurisdictional

Table 1. S	study Area	Wetland	Locations	and Cl	assifications
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¹Presumed status based on professional opinion. Only the USACE may determine official regulatory status.

The features listed in **Table 1** above are described in greater detail below. Photographs of the site can be seen in **Appendix B:** Photographic Log, which includes general overview photos of the site. Datasheets for wetland and upland sampling and for OHWM delineations are provided in **Appendix C:** Wetland Determination Data Forms, and **Appendix D:** OHWM Delineation Datasheets.

- Sand Creek is a broad fluvial plain that supports an extensive swath of scrub-shrub wetlands within the floodplain and exists largely as depicted in the NWI/NHD data. There are several Palustrine wetlands associated with Sand Creek including areas of emergent wetlands, but most wetlands throughout this reach (i.e., in the Study Area) are scrub-shrub wetlands with well-developed structure. W1 and W2 are separated by Arroya Lane and are hydrologically connected by a culvert under the roadway. Wetlands associated with Sand Creek are mostly composed of shrubby sandbar willows, with an understory of herbaceous species including Nebraska sedge (*Carex nebrascensis*), beaked sedge (*Carex utriculata*), Baltic rush (*Juncus balticus*), and redtop (*Agrostis gigantea*). Overall quality is moderate, though the understory tends to lack diversity and consist of many FAC, FACU, and UPL plants in addition to the above-mentioned hydrophytes.
- The R4SBC wetland depicted in the NWI data does not exist as shown in **Figure 2**. According to the prior wetland study, this feature was mapped as an erosional feature and was



determined by the USACE to be non-jurisdictional. The area has since been cleared of vegetation and graded as a roadway to access the Timber Ridge Filing No. 2 development to the south. That development was authorized under Action No. SPA-2017-00219, issued on October 26th, 2022. See photos in **Appendix B** at this location for current conditions.

• The PUBF wetland identified in the NWI data along the R4SBC tributary is present behind a manmade berm and was apparently created for the purpose of watering livestock. This feature has also been affected by development associated with Filing No. 2. The PUBF wetland was determined to be non-jurisdictional in 2017 by the USACE, according to the previous wetland study. See photos in **Appendix B**.

5.1 Vegetation

Dominant vegetation at wetland locations included the aforementioned Nebraska sedges, beaked sedges, Baltic rushes, and sandbar willows. A few peachleaf willows, plains cottonwoods, and narrowleaf cottonwoods were present in patches along Sand Creek throughout the reach. Other hydrophytes observed in smaller numbers included redtop and Drummond's rush (*Juncus drummondii*). Many upland plants such as slender wheatgrass (*Elymus trachycaulus*), Canada wildrye (*Elymus canadensis*), smooth brome (*Bromus inermis*), great mullein (*Verbascum thapsus*), yarrow (*Achillea millefolium*), and Canada thistle (*Cirsium arvense*) were present in wetlands. Most sample points were only narrowly dominated by true hydrophytic vegetation. Sand Creek's associated riparian corridor supports a few large trees, a healthy understory, and dense forb and grass cover along a broad fluvial plain; at times, the transition between the wetlands and the riparian corridor was difficult to determine; topography was often the clearest indication of the wetland/non-wetland boundary.

5.2 Soils

Eight soil samples were taken at soil sample pits within the Study Area (**Appendix C**: *Wetland Delineation Forms*). Soil samples were taken in either Pring sandy loams or the minor Pleasant soil component, with wetland areas predominantly corresponding to the Pleasant series' soil profile (**Appendix C**). For W1, several sample points were taken in various locations throughout the floodplain to clarify the extent of wetlands. While the vegetation throughout the floodplain was highly variable and generally not overwhelmingly comprised of wetland plants, the soils in the floodplain were very clearly hydric (**Appendix C**). Positive hydric soil indicators at soil sample locations throughout the site included A4 (Hydrogen Sulfide), A11 (Depleted Below Dark Surface), S5 (Sandy Redox), and F6 (Redox Dark Surface) (**Appendix C**). At W2, two paired sample point were sufficient to determine the clear boundary between uplands and wetlands. See **Appendix A** and **Appendix C**.

5.3 Hydrology

Hydrology across all wetlands in the Study Area is provided primarily by normal precipitation and runoff events. Positive hydrologic indicators at sample points throughout the site very fairly limited, including hydrogen sulfide odor (C1), oxidized rhizospheres (C3), drainage patterns (B10), and a FAC-neutral test (D5) (**Appendix C**). Despite substantial precipitation throughout the spring preceding the site visit, there was no surface water, saturation, or water table observed. See **Appendix A** and **Appendix C**.



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6 CONCLUSIONS AND RECOMMENDATIONS

In summary, two presumably jurisdictional Palustrine scrub-shrub wetlands (W1 and W2) are located in the Study Area. The two wetlands are separated by Arroya Lane but remain connected hydrologically by a culvert under the road. The two other aquatic features identified in the NWI/NHD data were not present. W1 and W2 are located within the Sand Creek fluvial plain, and are thus presumed to be jurisdictional. Accordingly, any impacts to jurisdictional WOTUS or associated hydrologically connected or abutting wetlands would require permitting through the USACE under Section 404 of the CWA.

The USACE typically has jurisdiction over navigable or traditionally navigable waters (TNWs), perennial and intermittent tributaries to TNWs, lakes, ponds, and impoundments of jurisdictional waters, and wetlands adjacent to such waters (85 Federal Register 22250). Following the announcement of the U.S. Supreme Court's ruling on May 25th, 2023 (SCOTUS 2023), jurisdictional wetlands include only those wetlands that abut or maintain "a continuous surface connection" to WOTUS. Isolated and adjacent wetlands (i.e., those not abutting or otherwise hydrologically connected to other jurisdictional waters) are not considered WOTUS and are not under USACE's jurisdiction. In personal correspondence with B.E. since the decision, the USACE has also provided the following guidance, seemingly in contradiction to the U.S. Supreme Court's ruling:

"The agencies (USEPA, Army, DOJ and USACE HQ) are working together to understand the decision and develop guidance. The SCOTUS decision did not vacate any rule, so the 2023 WOTUS rule is still in effect per current litigation on that rule. USACE HQ has advised that we pause all approved jurisdiction determinations, however, we can still process permits under a preliminary jurisdiction determination or no jurisdiction determination."

An approved jurisdictional determination (AJD) may be required to determine the regulatory status of presumably non-jurisdictional aquatic resources, such as isolated or adjacent wetlands. However, since the Proponent has already obtained an AJD previously, and presumes all wetlands associated with Sand Creek and its fluvial plain are jurisdictional, B.E. advises the Proponent to proceed with permitting for any impacts to the Sand Creek wetlands anticipated from Project development. Impacts to WOTUS should be avoided and minimized to the extent possible. A permit under Section 404 of the CWA is required for the discharge of dredged or fill material into WOTUS and mitigation may be required.

While the USACE regulates only those activities resulting in a discharge of dredge or fill material into Waters of the U.S., the Colorado Department of Public Health and Environment (CDPHE) has the authority to regulate activities resulting in a discharge of pollutants into state waters. The CDPHE conducts Section 401 certification reviews of projects in Colorado requiring a Section 404 permit from the USACE. The purpose of certification review is to determine whether a proposed discharge will comply with Colorado water quality standards.

In Colorado, joint Section 404 and 401 permitting is authorized through the Nationwide Permit (NWP) program. An NWP is a simplified 404 permit for some small-scale activities which minimally affect WOTUS, and is designed to streamline the permitting process and eliminate the need to issue an Individual Permit (IP). NWPs allow certain activities to take place which result in minimal impacts to



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WOTUS, including wetlands. If the Project should require a permit, an NWP 14 for Linear Transportation Projects would likely be the applicable NWP for the Project.

Should impacts to WOTUS exceed the threshold of an NWP, the Project would be permitted under an IP, or standard permit. An IP requires a 30-day public notice period, and a separate 401 Water Quality Certification would be required through CDPHE. It is anticipated that Project construction can be completed without exceeding the impact thresholds of NWP 14, and thus an IP is not expected to be necessary.

Should you have any questions regarding the information or recommendations provided in this report, please feel free to contact Bristlecone Ecology at dmaynard@bristleconeecology.com.

Sincerely,

Bristlecone Ecology, LLC

Tom Myund

Daniel Maynard Ecologist



7 REFERENCES

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USGS. 1986a. Geologic map of the Falcon NW, CO quadrangle. Scale = 1:24,000.



Appendices

APPENDIX A:

WETLAND LOCATION MAP

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Appendices

APPENDIX B:

PHOTOGRAPHIC LOG



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Scrub-shrub wetlands in the Sand Creek floodplain south of Arroya Lane, facing southwest. Wetlands on the site such as these were confined to a fluvial plain and highly dependent upon elevation. The transition to uplands is clearly visible at the toe of slope in the foreground.

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Another view of the wetlands south of Arroya Lane as seen from the roadway, facing southeast. A few large trees are visible in the floodplain, as well as a few stray ponderosas on the hillslopes above Sand Creek. The Arroya Lane expansion will affect wetlands on both sides of the roadway.

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Wetlands north of Arroya Lane as seen from the roadway, facing northwest. Similarly to the area south of the road, wetlands closely follow the fluvial plain of Sand Creek, with the slighest increase in elevation resulting in a transition to upland areas dominated by ponderosa pine forests or grasslands.



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Another view of the wetlands north of Arroya Lane as see from the roadway, facing north. The pines of the Black Forest can be seen in the distance, with a few creeping down the slopes toward Sand Creek. The large culvert conveys flows under the road.

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Final view from Arroya Lane looking into the willows in the floodplain with the culvert visible, facing south. There is no evidence of an OHWM present – no bed, no banks, no scour, no changes in sediment or topography – just a broad fluvial plain with willows.

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Appendices

APPENDIX C:

WETLAND DETERMINATION DATA FORMS

U.S. Army Cor	ps of Eng	gineers			OMB Control #: 0710-	0024, Exp: 11/30/2024
WETLAND DETERMINATION DATA SHEET - See ERDC/EL TR-10-3; the pro	Western M oponent a	ountains, igency is	Valleys, and C CECW-CO-F	Coast Region २	Requirement Contro (Authority: AR 335-	ol Symbol EXEMPT: 15, paragraph 5-2a)
Project/Site: Timber Ridge		City/0	County: El Paso	County	Sampling [Date: 5/4/23
Applicant/Owner: Classic Communities				State: C	O Sampling F	Point: SP1
Investigator(s): Daniel Maynard & Emily DeAlto		Sectio	n Townshin Rar		R65W	
Landform (billeide terrace etc.): swale			f (concave, conv	ex none): conc		Slope (%): 5
Subracian (LBD): LBD E Lat: 28.092	110	Local Telle		104 662270		
Soil Man Unit Name: Pleasant (Torrertic Argustolls)	+12		Long. <u>-</u>	104.002270 N\\/I	Da	atum. <u>WG3 64</u>
			N			
Are climatic / hydrologic conditions on the site typical for	this time of	year?	Yes <u>x</u>		no, explain in Rema	rks.)
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u> s	ignificantly c	listurbed?	Are "Normal C	Circumstances" pres	sent? Yes x	No
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u>	aturally prob	plematic?	(If needed, ex	plain any answers i	in Remarks.)	
SUMMARY OF FINDINGS – Attach site ma	ıp showir	ng samp	ling point lo	cations, trans	ects, important	t features, etc.
Hydrophytic Vegetation Present? Yes X No	·	ls	the Sampled A	rea		
Hydric Soil Present? Yes X No		w	ithin a Wetland	? Yes	<u> X No </u>	_
Wetland Hydrology Present? Yes X No						
Remarks:						
VEGETATION – Use scientific names of p	lants.					
Tree Stratum (Plot size: 30'v30')	Absolute % Cover	Dominal	nt Indicator	Dominance Te	st workshoot:	
1.		00000		Number of Dom	vinent Creation That	
2.				Are OBL, FACV	V, or FAC:	3 (A)
3.				Total Number o	f Dominant Species	
4.				Across All Strat	a:	3 (B)
		=Total Cov	ver	Percent of Dom	inant Species That	
Sapling/Shrub Stratum (Plot size: 15'x15')				Are OBL, FACV	V, or FAC:	(A/B)
1. <u>Salix exigua</u>	25	Yes	FACW			
2				Prevalence Ind	lex worksheet:	
3				Total % Co	over of: N	Aultiply by:
4					X 1 =	
5		-Total Cov		FAC vv species	X2=	90
Herb Stratum (Plot size: 5'x5')			ei	FACU species		20
1. Carex nebrascensis	55	Yes	OBL	UPL species	x 1 x 5 =	0
2. Verbascum thapsus	3	No	FACU	Column Totals:	107 (A)	171 (B)
3. Juncus balticus	20	Yes	FACW	Prevalence	Index = B/A =	1.60
4. Cirsium arvense	2	No	FAC			
5. Taraxacum officinale	1	No	FACU	Hydrophytic Ve	egetation Indicator	s:
6. <u>Achillea millefolium</u>	1	No	FACU	1 - Rapid Te	est for Hydrophytic \	/egetation
7. Other forbs	3	No		X 2 - Dominar	nce Test is >50%	
8				X 3 - Prevaler	nce Index is ≤3.0'	
9				4 - Morphole	ogical Adaptations'(emarks or on a sen	Provide supporting
10				E Watland		
^{11.}	85	=Total Cov		Problematic	Hydronhytic Veget	ເວ ation ¹ (Explain)
Woody Vine Stratum (Plot size: 30'x30')						
1.				be present, unle	ess disturbed or prol	olematic.
2.						
		=Total Cov	/er	Vegetation		
% Bare Ground in Herb Stratum 15				Present?	Yes <u>X</u> No	>
Remarks:				1		

SOI	L
-----	---

Depth	Matrix		Redo	ox Featur	res				
(inches)	Color (moist)	%	Color (moist)	%		Loc ²	Tex	ture	Remarks
0-4	10YR 2/2	97	10vr 5/8	3	<u> </u>		Sa	ndv	Sandy clay loam
4_7	10VR 5/3	100	1091 0/0				Sa	ndy	Callay blay loann
7_11	10YR 3/2	96	10VR 5/8						Silty clay loam
	10113/2		10113/0			<u> </u>			Silly Clay Ioan
11-14	<u>10YR 3/3</u>	100					Sa	nay _	0 1 1
14-24	10YR 2/2	97	10YR 5/8	3	<u> </u>		Sa	ndy	Sandy loam
Type: C=Co	ncentration, D=Deplet	tion, RM	=Reduced Matrix, (CS=Cove	ered or C	bated Sa	and Grains.	² Locati	on: PL=Pore Lining, M=Matrix.
Black His Black His 1 cm Muc 1 cm Muc 1 cm Muc Thick Dai Sandy Mi	stic (A3) n Sulfide (A4) ck (A9) (LRR D, G) Below Dark Surface (rk Surface (A12) ucky Mineral (S1)	(A11)	Sandy Re Stripped M Loamy Mu Loamy Glu Depleted I Redox Da Depleted I	Aatrix (Se Jatrix (Se eyed Mat Matrix (F rk Surfac Dark Sur pression	5) eral (F1) trix (F2) 3) ce (F6) face (F7) s (F8)	(except	MLRA 1)	Red Pa Very Sl Other (³ Indicators wetland unless	anganese Masses (F12) (LRK D) arent Material (F21) hallow Dark Surface (F22) Explain in Remarks) of hydrophytic vegetation and d hydrology must be present, disturbed or problematic
2.5 cm M	lucky Peat or Peat (52	_/ \ \ \ \ \ \ \ \							alocal boa of problomatio.
2.5 cm M	aver (if observed):	-) (ERRY			- ()				
2.5 cm M Restrictive L Type:	ayer (if observed): N/A				- ()				
2.5 cm M Restrictive L Type: Depth (ind	ayer (if observed): N/A ches):				- ()		Hydric S	oil Present?	Yes X No
2.5 cm M Restrictive L Type: _ Depth (in: Remarks: IYDROLO	ayer (if observed): N/A ches):			·			Hydric S	oil Present?	Yes X No
2.5 cm M Restrictive L Type: _ Depth (in- Remarks: IYDROLO Wetland Hyd	GY						Hydric S	oil Present?	Yes X No
2.5 cm M Restrictive L Type: _ Depth (in/ Remarks: IYDROLO Wetland Hyd Primary Indica	GY Inclogy Indicators: ators (minimum of one	e is requi	ired; check all that	apply)			Hydric S	oil Present?	Yes X No
2.5 cm M Restrictive L Type: _ Depth (in: Remarks: IYDROLO Wetland Hyd Primary Indic: Surface V	GY Inclogy Indicators: ators (minimum of one Water (A1)	e is requi	ired; check all that	apply) ined Lea	ives (B9)	(except	Hydric S	oil Present?	Yes X No Indicators (2 or more required) Stained Leaves (B9) (MLRA 1, 2
2.5 cm M Restrictive L Type: _ Depth (in- Remarks: IYDROLO Wetland Hyd Primary Indica Surface V High Wat	GY Irology Indicators: ators (minimum of one Nater (A1) atom (A2)	e is requi	ired; check all that 	<u>apply)</u> ined Lea 1, 2, 4A ,	ives (B9)	(except	Hydric S	oil Present? <u>Secondary</u> <u>Water-</u> 4A,	Yes X No Indicators (2 or more required) Stained Leaves (B9) (MLRA 1, 2 and 4B)
2.5 cm M Restrictive L Type: _ Depth (in/ Remarks: IYDROLO Wetland Hyd Primary Indica Surface V High Wat Saturation Wotor Mo	GY Irology Indicators: ators (minimum of one Water (A1) ter Table (A2) n (A3) orks (B1)	e is requi	ired; check all that Water-Sta MLRA Salt Crust	<u>apply)</u> iined Lea 1, 2, 4A , (B11)	ives (B9) , and 4B)	(except	Hydric S	oil Present? <u>Secondary</u> Water 4A, Drainag	Yes X No Indicators (2 or more required) Stained Leaves (B9) (MLRA 1, 2 and 4B) ge Patterns (B10) acon Water Table (C2)
2.5 cm M Restrictive L Type: _ Depth (in/ Remarks: IYDROLO(Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment	GY Irology Indicators: ators (minimum of one Water (A1) ter Table (A2) n (A3) arks (B1) t Deposite (B2)	e is requi	ired; check all that Water-Sta MLRA Salt Crust Aquatic In	<u>apply)</u> ined Lea 1, 2, 4A , (B11) vertebrai	ives (B9) , and 4B; tes (B13)	(except	Hydric S	Secondary Water- 4A, Drainag Dry-Se Saturat	Yes X No Indicators (2 or more required) Stained Leaves (B9) (MLRA 1, 2 and 4B) ge Patterns (B10) ason Water Table (C2) tion Visible on Aerial Imagery (C9)
2.5 cm M Restrictive L Type: _ Depth (in: Remarks: IYDROLO Wetland Hyd Primary Indic: Surface V High Wat Saturation Water Ma Sediment Drift Depor	GY Irology Indicators: ators (minimum of one Vater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) posits (B3)	e is requi	ired; check all that Water-Sta MLRA Salt Crust Aquatic In X Hydrogen X Oxidized F	<u>apply)</u> ined Lea 1, 2, 4A , (B11) vertebrat Sulfide (Rhizosph	ives (B9) , and 4B tes (B13) Ddor (C1 jeres on J	(except	Hydric S	oil Present? Secondary Water 4A, Drainag Dry-Se Saturat Geome	Yes X No <u>Indicators (2 or more required)</u> Stained Leaves (B9) (MLRA 1, 2 and 4B) ge Patterns (B10) ason Water Table (C2) tion Visible on Aerial Imagery (C9) probic Position (D2)
2.5 cm M Restrictive L Type: _ Depth (in- Remarks: IYDROLO Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat	GY Irology Indicators: ators (minimum of one Vater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4)	e is requi	ired; check all that Water-Sta MLRA Salt Crust Aquatic In X Hydrogen X Oxidized F Presence	<u>apply)</u> ined Lea 1, 2, 4A , (B11) vertebrai Sulfide (Rhizosph of Reduc	tes (B13) Ddor (C1 eres on l ced from ((except	Hydric Solution	oil Present? <u>Secondary</u> Water 4A, Drainag Dry-Se Saturat Geomo Shallov	Yes X No <u>Indicators (2 or more required)</u> Stained Leaves (B9) (MLRA 1, 2 and 4B) ge Patterns (B10) ason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) v Aquitard (D3)
2.5 cm M Restrictive L Type: _ Depth (in/ Remarks: TYDROLO Wetland Hyd Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo	GY Irology Indicators: ators (minimum of one Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5)	e is requi	ired; check all that Water-Sta MLRA Salt Crust Aquatic In X Hydrogen X Oxidized F Presence Recent Irc	<u>apply)</u> ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc	ives (B9) and 4B) tes (B13) Ddor (C1 eres on I ced Iron (ction in Ti	(except	Hydric So Hydric So t	oil Present? Secondary Water 4A, Drainag Dry-Se Saturat Geomo Shallov X FAC-N	Yes X No <u>Indicators (2 or more required)</u> Stained Leaves (B9) (MLRA 1, 2 and 4B) ge Patterns (B10) ason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) v Aquitard (D3) eutral Test (D5)
2.5 cm M Restrictive L Type: _ Depth (in/ Remarks: TYDROLO Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S	GY aver (if observed): N/A ches): GY frology Indicators: ators (minimum of one Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6)	e is requi	ired; check all that Water-Sta MLRA Salt Crust Aquatic In X Hydrogen X Oxidized F Presence Recent Irc Stunted o	<u>apply)</u> ined Lea 1, 2, 4A , (B11) vertebrat Sulfide (Rhizosph of Reduc on Reduc r Stresse	ives (B9) , and 4B; Ddor (C1 ieres on l ced Iron (ction in Ti d Plants	(except .iving Ro C4) Iled Soil: (D1) (LF	Hydric S Hydric S t t t t t t t t t t t t t t t	oil Present? Secondary Water 4A, Drainag Dry-Se Saturat Geomo Shallov X FAC-No Raised	Yes X No <u>Indicators (2 or more required)</u> Stained Leaves (B9) (MLRA 1, 2 and 4B) ge Patterns (B10) ason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) v Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A)
2.5 cm M Restrictive L Type: _ Depth (in Remarks: TYDROLO Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatio	GY GY GY Irology Indicators: ators (minimum of one Vater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) n Visible on Aerial Ima	e is requi	ired; check all that Water-Sta MLRA Salt Crust Aquatic In <u>x</u> Hydrogen <u>x</u> Oxidized F Presence Recent Irc Stunted or 7) Other (Exi	<u>apply)</u> ined Lea 1, 2, 4A , (B11) vertebrat Sulfide (Rhizosph of Reduc r Stresse plain in R	tes (B13) Door (C1 eres on l ced Iron (tion in Ti d Plants Remarks)	(except) Living Ro C4) Iled Soil: (D1) (LF	Hydric So Hydric So t t t t t t t t t t t t t t t t t t t	oil Present? Secondary Water 4A, Drainag Dry-Se Saturat Geomo Shallov X FAC-N Raised Frost-H	Yes X No <u>Indicators (2 or more required)</u> Stained Leaves (B9) (MLRA 1, 2 and 4B) ge Patterns (B10) ason Water Table (C2) tion Visible on Aerial Imagery (C9) orphic Position (D2) v Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LRR A) deave Hummocks (D7)

U.S. Army Cor WETLAND DETERMINATION DATA SHEET - See ERDC/EL TR-10-3; the pro	ps of Eng Western M oponent a	gineer ountai	″ s n s, Va l 'is CE	lleys, and C	oast Region	OMB Control #: 0710-00: Requirement Control 3 (Authority: AR 335-15,	24, Exp: 11/30/2024 Symbol EXEMPT: paragraph 5-2a)
Dreiget/Site: Timber Didge		<u> </u>	t. //C a		Country	Compling Do	sta: E/4/00
Project/Site: Timber Ridge		C	ty/Cour	nty: El Paso	County	Sampling Da	ate: 5/4/23
Applicant/Owner: Classic Communities					State: C	O Sampling Po	oint: SP2
Investigator(s): Daniel Maynard & Emily DeAlto		Sec	ction, To	ownship, Ran	ige: <u>S27, T12S,</u>	R65W	
Landform (hillside, terrace, etc.): stream terrace		Local r	elief (co	oncave, conve	ex, none): <u>none</u>		Slope (%):
Subregion (LRR): LRR E Lat: 38.983	36451			Long: <u>-1</u>	04.66232345	Dati	um: <u>WGS 84</u>
Soil Map Unit Name: Pring (Aridic Haplustolls)					NWI	classification: R4SB/	4
Are climatic / hydrologic conditions on the site typical for	this time of	year?		Yes x	No (lf r	no, explain in Remark	s.)
Are Vegetation N, Soil N, or Hydrology N s	ignificantly d	listurbed	d? A	.re "Normal C	ircumstances" pres	sent? Yes x	No
Are Vegetation N . Soil N . or Hydrology N n	aturally prob	lematic	? (f needed. exc	olain anv answers i	n Remarks.)	
SUMMARY OF FINDINGS – Attach site ma	ap showir	ng sar	npling	g point loo	cations, transe	ects, important f	features, etc.
Hvdrophytic Vegetation Present? Yes No	x		Is the	Sampled Ar	ea		
Hydric Soil Present? Yes No	X		withir	n a Wetland?	Yes	No X	
Wetland Hydrology Present? Yes No	x				-		
Remarks:							
VEGETATION – Use scientific names of p	lants.				1		
Tree Stratum (Plot size: 30'x30')	Absolute % Cover	Domi Spec	nant ies?	Indicator Status	Dominance Tes	st worksheet:	
1.		_			Number of Dom	inant Species That	
2.					Are OBL, FACW	, or FAC:	1 (A)
3.					Total Number of	- F Dominant Species	
4.					Across All Strata	a:	3 (B)
		=Total (Cover		Percent of Domi	- inant Species That	
Sapling/Shrub Stratum (Plot size: 15'x15')					Are OBL, FACW	I, or FAC:	33.3% (A/B)
1. Salix exigua	5	Ye	es	FACW		-	
2.					Prevalence Ind	ex worksheet:	
3					Total % Co	over of: Mu	ltiply by:
4					OBL species	0 x 1 =	0
5					FACW species	5 x 2 =	10
	5	=Total (Cover		FAC species	4 x 3 =	12
Herb Stratum (Plot size: 5'x5')					FACU species	14 x 4 =	56
1. Artemisia frigida	7	N	0	UPL	UPL species	63 x 5 =	315
2. Buteloua dactyloides	41	Ye	es	UPL	Column Totals:	86 (A)	393 (B)
3. Potentilla gracilis	3	N	0	FAC	Prevalence I	ndex = B/A =	4.57
4. Taraxacum officinale	2	N	0	FACU			
5. Rumex crispus	1	N	0	FAC	Hydrophytic Ve	egetation Indicators	:
6. Eriogonum ovalifolium	10	N	0	FACU	1 - Rapid Te	est for Hydrophytic Ve	egetation
7. Muhlenbergia montana	15	Ye	es	UPL	2 - Dominar	nce Test is >50%	
8. Achillea millefolium	2	N	0	FACU	3 - Prevalen	ice Index is ≤3.0 ¹	
9. Other forbs	10	N	0		4 - Morpholo	ogical Adaptations ¹ (P	rovide supporting
10						emarks or on a separ	
11			<u></u>		5 - Wetland	Non-Vascular Plants	· 1/=
	91	= i otal (over		Problematic	Hydrophytic Vegetat	ion≐ (Explain)
(Piot size: <u>30'X30'</u>)					¹ Indicators of hy	dric soil and wetland	hydrology must
2							
<u> </u>		=Total (Cover		Hydrophytic		
% Bare Ground in Herb Stratum 10	·	i otai (20101		vegetation Present?	Yes No	х
Remarks:							· -

Profile Desc	cription: (Describe to	the depth	needed to docu	ument th	ne indica	tor or c	onfirm the absence	of indicators	s.)	
Depth	Matrix		Redo	x Featur	res					
(inches)	Color (moist)	% (Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-8	10YR 2/2	100					Sandy		sandy loam	
8-14	10YR 3/4	100					Sandy		Gravely sand	±t
14-16	10YR 3/2	100					Loamy/Clayey	- <u> </u>	Loamy sand	
16-24	10YR 5/3	100					Sandy		Coarse sand	ł
¹ Type: C=Co	oncentration, D=Depleti	on, RM=Re	educed Matrix, C	S=Cove	ered or Co	pated Sa	and Grains. ² Lo	cation: PL=Po	ore Lining, M=I	Matrix.
Hydric Soil	Indicators: (Applicable	to all LRI	Rs, unless othe	rwise n	oted.)		Indicat	ors for Proble	ematic Hydric	Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)		2 cr	m Muck (A10)	(LRR A, E)	
Histic Ep	pipedon (A2)		Sandy Rec	lox (S5)			Iror	1-Manganese I	Masses (F12)	(LRR D)
Black His	stic (A3)		Stripped M	latrix (Se	6)		Rec	d Parent Mater	rial (F21)	
Hydroge	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1)	(except	MLRA 1) Ver	y Shallow Dar	k Surface (F22	2)
1 cm Mu	ıck (A9) (LRR D, G)		Loamy Gle	eyed Ma	trix (F2)		Oth	ıer (Explain in	Remarks)	
Depleted	d Below Dark Surface (A	\11)	Depleted N	Лatrix (F	3)					
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	ce (F6)		³ Indicat	ors of hydroph	ytic vegetatior	n and
Sandy M	lucky Mineral (S1)		Depleted D	Dark Sur	face (F7)		wet	land hydrolog	v must be pres	sent,
2.5 cm N	/lucky Peat or Peat (S2)	(LRR G)	Redox Dep	pression	s (F8)		unle	ess disturbed	or problematic	
Restrictive I	Layer (if observed):									
Туре:	N/a		_							
Depth (ir	nches):						Hydric Soil Prese	nt?	Yes	No <u>X</u>
Remarks:										
HYDROLO)GY									
Wetland Hyd	drology Indicators:									
Primary Indic	cators (minimum of one	is required	l; check all that a	apply)			Second	lary Indicators	(2 or more rec	<u>quired)</u>
Surface	Water (A1)		Water-Stai	ined Lea	aves (B9)	(excep	t Wa	ter-Stained Le	aves (B9) (ML	_RA 1, 2
High Wa	ater Table (A2)		MLRA ²	1, 2, 4A,	, and 4B)	l.		4A, and 4B)		
Saturatio	on (A3)		Salt Crust	(B11)			Dra	ainage Patterns	s (B10)	
Water M	larks (B1)		Aquatic Inv	vertebra	tes (B13)		Dry	-Season Wate	er Table (C2)	

Dry-Season Water Table	(C2)
Dry-Season water rapie	

- Saturation Visible on Aerial Imagery (C9)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) (LRR A)
- Frost-Heave Hummocks (D7)

Inundation Visible on A	erial Imagery (B7)	Other (E	xplain in Remarks)	Frost-Heave Hummocks (D7)			
Sparsely Vegetated Co	ncave Surface (B8	3)					
Field Observations:							
Surface Water Present?	Yes	No <u>x</u>	Depth (inches):				
Water Table Present?	Yes	No <u>x</u>	Depth (inches):				
Saturation Present?	Yes	No <u>x</u>	Depth (inches):	Wetland Hydrology Present? Yes	No X		
(includes capillary fringe)							
Describe Recorded Data (s	tream gauge, mon	itoring well, aeı	rial photos, previous inspec	tions), if available:			
Remarks:							

Oxidized Rhizospheres on Living Roots (C3)

Recent Iron Reduction in Tilled Soils (C6)

Stunted or Stressed Plants (D1) (LRR A)

Hydrogen Sulfide Odor (C1)

Presence of Reduced Iron (C4)

Sediment Deposits (B2)

Algal Mat or Crust (B4)

Surface Soil Cracks (B6)

Drift Deposits (B3)

Iron Deposits (B5)

Project/Site: Timber Ridge City/County: El Paso County Sampling Date: 5/4/23 Applicant/Owner: Classic Communities State: CO Sampling Point: SP3 Investigator(s): Daniel Maynard & Emily DeAlto Section, Township, Range: S27, T12S, R65W Landform (hillside, terrace, etc.): stream terrace Local relief (concave, convex, none): none Slope (%): 4 Subregion (LRR): LRR E Lat: 38.98348394 Long: -104.66245496 Datum: WGS 84 Soil Map Unit Name: Pring (Aridic Haplustolls) NWI classification: N/A Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)
Project/site: Initial Ridge State: CO Sampling Date. St423 Applicant/Owner: Classic Communities State: CO Sampling Date. St423 Investigator(s): Daniel Maynard & Emily DeAlto Section, Township, Range: S27, T12S, R65W Landform (hillside, terrace, etc.): stream terrace Local relief (concave, convex, none): none Slope (%): 4 Subregion (LRR): LRR E Lat: 38.98348394 Long: -104.66245496 Datum: WGS 84 Soil Map Unit Name: Pring (Aridic Haplustolls) NVI classification: N/A Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)
Applicant/Owner: Classic Communities State: CO Sampling Point: SP3 Investigator(s): Daniel Maynard & Emily DeAlto Section, Township, Range: S27, T12S, R65W Landform (hillside, terrace, etc.): stream terrace Local relief (concave, convex, none): none Slope (%): 4 Subregion (LRR): LRR E Lat: 38.98348394 Long: -104.66245496 Datum: WGS 84 Soil Map Unit Name: Pring (Aridic Haplustolls) NWI classification: N/A Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)
Investigator(s): Daniel Maynard & Emily DeAlto Section, Township, Range: S27, T12S, R65W Landform (hillside, terrace, etc.): stream terrace Local relief (concave, convex, none): none Slope (%): 4 Subregion (LRR): LRR E Lat: 38.98348394 Long: -104.66245496 Datum: WGS 84 Soil Map Unit Name: Pring (Aridic Haplustolls) NWI classification: N/A Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)
Landform (hillside, terrace, etc.): stream terrace Local relief (concave, convex, none): none Slope (%): 4 Subregion (LRR): LRR E Lat: 38.98348394 Long: -104.66245496 Datum: WGS 84 Soil Map Unit Name: Pring (Aridic Haplustolls) NWI classification: N/A Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)
Subregion (LRR): LRR E Lat: 38.98348394 Long: -104.66245496 Datum: WGS 84 Soil Map Unit Name: Pring (Aridic Haplustolls) NWI classification: N/A Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)
Soil Map Unit Name: Pring (Aridic Haplustolls) NWI classification: N/A Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)
Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No (If no, explain in Remarks.)
Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes x No
Are Vegetation N . Soil N . or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc
Hydrophytic Vegetation Present? Yes X No Is the Sampled Area
Hydric Soil Present? Yes X No within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No
Remarks:
VEGETATION – Use scientific names of plants
Absolute Dominant Indicator
Tree Stratum (Plot size:30'x30') % CoverSpecies? Status Dominance Test worksheet:
1. Populus angustifolia 35 Yes FACW Number of Dominant Species That
2. Are OBL, FACW, or FAC: 3 (A)
3 Total Number of Dominant Species
4 Across All Strata: (B)
<u>35</u> =Total Cover Percent of Dominant Species That
Sapling/Shrub Stratum (Plot size: 15'x15') Are OBL, FACW, or FAC: 75.0% (A/
1. Salix exigua 40 Yes FACW 2. Dess weedsii 2. Na FACW
2. <u>Rosa woodsii</u> <u>2</u> <u>No</u> <u>PACU</u> Prevalence index worksneet:
$5 \qquad \qquad$
$\frac{42}{42} = Total Cover \qquad FAC species 0 \qquad x 3 = 0$
Herb Stratum (Plot size: $5'x5'$) FACU species 12 $x 4 = 48$
1. Juncus balticus 30 Yes FACW UPL species 45 x 5 = 225
2. Bromus inermis 45 Yes UPL Column Totals: 162 (A) 483 (B)
3. <i>Taraxacum officinale</i> 7 No FACU Prevalence Index = B/A = 2.98
4. Achillea millefolium 2 No FACU
5. Other forbs 2 No Hydrophytic Vegetation Indicators:
6. <u>Antennaria neglecta</u> 1 No FACU 1 - Rapid Test for Hydrophytic Vegetation
7 X_2 - Dominance Test is >50%
8 X_3 - Prevalence Index is ≤3.0 ¹
9 4 - Morphological Adaptations ¹ (Provide supportin
11 5 - Wetland Non-Vascular Plants'
Woody Vine Stratum (Plot size:30'x30') Problematic Hydrophytic Vegetation' (Explain) 1 Indicators of hydric soil and wetland hydrology must
be present, unless disturbed or problematic.
2 Hydrophytic
Bare Ground in Herb Stratum 13 Vegetation West Present? Yes
Remarks:

Depth	Matrix		Redo	x i catui	69					
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textur	e	Remark	(S
0-5	10YR 2/1	97	5YR 5/8	3	C	M	Loamy/Cl	ayey	Clay loa	ım
5-11	10YR 3/2	95	5YR 5/8	2	С	М	Sandy	y	gravely s	and
11-24	10YR 3/3	100					Sand	y –	gravely s	and
								<u> </u>		
								2		
lype: C=Col	ncentration, D=Depl	etion, RM	=Reduced Matrix, C	S=Cove	red or Co	bated Sa	nd Grains.		on: PL=Pore Lining,	M=Matrix.
Histosol (A 1)	Die to all	Sandy Glo	wod Mot	riv (S4)					
Histic Eni	radon(A2)		Sandy Be		IX (34)		_		nuck (A10) (LKK A, E	ן 12) (1 פפ ה)
Block Hist	tic $(A3)$		Sandy Red	lotriv (SS)	:)		-	Rod Dr	anganese masses (i	(LKKD)
	Sulfide (ΔA)			cky Mine	?) aral (F1) ((avcant l			hallow Dark Surface ((F22)
1 cm Muc	k (A9) (I RR D G)		Loamy Gl	eved Mat	rix (F2)	(areahr I		Other (Explain in Remarke))
Depleted	Below Dark Surface	(A11)	Depleted N	Matrix (F	3)		-			
Thick Dar	k Surface (A12)	(,,,,)	X Redox Da	k Surfac	e (F6)		3	Indicators	of hydrophytic vegets	ation and
Sandv Mu	icky Mineral (S1)		Depleted [Dark Sur	face (F7)			wetland	d hydroloav must be r	present.
2.5 cm M	ucky Peat or Peat (S	62) (LRR (G) Redox Dep	oression	s (F8)			unless	disturbed or problem	atic.
 Restrictive La	ayer (if observed):		·						•	
Type:	, , , , , , , , , , , , , , , , , , ,									
Depth (ind Remarks: 5-11": 10Y 6/2	ches):						Hydric Soil	Present?	Yes _>	<u>< No</u>
Depth (inc Remarks: 5-11": 10Y 6/2	ches): 2, 3%, sandy clay GY						Hydric Soil	Present?	Yes _>	<u> No</u>
Depth (ind Remarks: 5-11": 10Y 6/2 YDROLOO Wetland Hyd	ches): 2, 3%, sandy clay GY rology Indicators:						Hydric Soil	Present?	Yes _>	< <u>No</u>
Depth (ind Remarks: i-11": 10Y 6/2 YDROLO(Vetland Hyd Primary Indica	ches): 2, 3%, sandy clay GY rology Indicators: ators (minimum of o	ne is requ	ired; check all that :	apply)			Hydric Soil	Present?	Yes _>	<u>required</u>
Depth (ind Remarks: -11": 10Y 6/2 YDROLOO Vetland Hyd Primary Indica Surface V	ches): 2, 3%, sandy clay GY rology Indicators: ators (minimum of o Vater (A1)	ne is requ	ired; check all that a	apply) ined Lea	ves (B9)	(except	Hydric Soil	Present? Secondary Water-	Yes	K No
Depth (ind Remarks: -11": 10Y 6/2 YDROLOO Vetland Hyd Primary Indica Surface V High Wate	ches): 2, 3%, sandy clay GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2)	ne is requ	ired; check all that ; Water-Sta MLRA	apply) ined Lea 1, 2, 4A,	ves (B9) and 4B)	(except	Hydric Soil	Present? Secondary Water- 4A,	Yes	<u>required</u>) (MLRA 1, 2
Depth (ind Remarks: -11": 10Y 6/2 YDROLOO Yetland Hyd Primary Indica Surface V High Wato Saturation	ches): 2, 3%, sandy clay GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) ska (P1)	ne is requ	ired; check all that i Water-Sta MLRA Salt Crust	apply) ined Lea 1, 2, 4A, (B11)	ves (B9) and 4B)	(except	Hydric Soil	Becondary Water- 4A, Drainag	Yes	<no< td=""></no<>
Depth (ind Remarks: -11": 10Y 6/2 YDROLOO Yetland Hyd Primary Indica Surface V High Wate Saturatior Water Ma Sadiment	ches): 2, 3%, sandy clay GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposite (B2)	ne is requ	ired; check all that a Water-Sta MLRA Salt Crust Aquatic In	apply) ined Lea 1, 2, 4A, (B11) vertebrat	ves (B9) and 4B) es (B13)	(except	Hydric Soil	Becondary Water- 4A, Drainag Dry-Se	Yes	<u>required</u> (MLRA 1, 2 2)
Depth (ind Remarks: -11": 10Y 6/2 YDROLOO Vetland Hyd Primary Indica Surface V High Wate Saturation Water Ma Sediment	ches): 2, 3%, sandy clay GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) psits (B3)	ne is requ	ired; check all that a Water-Sta MLRA Salt Crust Aquatic In Hydrogen	apply) ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (ves (B9) and 4B) es (B13) Ddor (C1) eres on L	(except	Hydric Soil	Secondary Water- 4A, Drainag Dry-Se Satura Geomo	Yes	<u>required</u>) (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2)
Depth (ind Remarks: i-11": 10Y 6/2 YDROLOO Yetland Hyd Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depc Algal Mat	ches): 2, 3%, sandy clay GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4)	ne is requ	ired; check all that is Water-Sta MLRA Salt Crust Aquatic In Hydrogen x Oxidized F Presence	apply) ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc	ves (B9) and 4B) es (B13) Ddor (C1) eres on L ered Iron ((except	Hydric Soil	Becondary Water- 4A, Draina Dry-Se Satura Geomo Shallov	Yes	<u>required</u>) (MLRA 1, 2 () (magery (CS))
Depth (ind Remarks: -11": 10Y 6/2 YDROLOO Yetland Hyd Yimary Indica Surface V High Wate Saturation Water Ma Saturation Drift Depo Algal Mat Iron Depo	ches): 2, 3%, sandy clay GY rology Indicators: <u>ators (minimum of o</u> Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5)	ne is requ	ired; check all that a Water-Sta MLRA Salt Crust Aquatic In Hydrogen Presence Recent Iro	apply) ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc	ves (B9) and 4B) es (B13) Ddor (C1) eres on L ced Iron (tion in Til	(except) .iving Ro C4)	Hydric Soil	Becondary Water- 4A, Drainag Dry-Se Satura Geomo Shallov X FAC-N	Yes	<u>required</u>) (MLRA 1, 2 2) Imagery (CS)
Depth (ind Remarks: i-11": 10Y 6/2 YDROLOO Yetland Hyd Primary Indica Surface W High Wate Saturatior Water Ma Sediment Drift Depc Algal Mat Iron Depo Surface S	ches): 2, 3%, sandy clay GY rology Indicators: <u>ators (minimum of o</u> Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) usits (B5) coil Cracks (B6)	ne is requ	ired; check all that a Water-Sta MLRA Salt Crust Aquatic Im Hydrogen x Oxidized F Presence Recent Iro Stunted or	apply) ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc n Reduc Stresse	ves (B9) and 4B) Ddor (C1) eres on L ered Iron (tion in Til d Plants	(except iving Ro C4) lled Soils (D1) (LR	Hydric Soil	Secondary Water- 4A, Drainag Dry-Se Satura Geomo Shallov X FAC-N Raised	Yes	<u>required</u>) (MLRA 1, 2 2) Imagery (CS RR A)
Depth (ind Remarks: 5-11": 10Y 6/2 YDROLOO Vetland Hyd Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depc Algal Mat Iron Depo Surface S Inundation	ches): 2, 3%, sandy clay GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) coil Cracks (B6) n Visible on Aerial Ir	ne is requ	ired; check all that a Water-Sta MLRA Salt Crust Aquatic Int Hydrogen X Oxidized F Presence Recent Iro Stunted or 7) Other (Exc	apply) ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc n Reduc Stresse olain in R	ves (B9) and 4B) odor (C1) eres on L eres on L ced Iron (tion in Til d Plants emarks)	(except .iving Ro C4) Iled Soils (D1) (LR	Hydric Soil	Present? Secondary Water- 4A, Draina Dry-Se Satura Geomo Shallov X FAC-N Raised Frost-H	Yes	<u>required</u>) (MLRA 1, 2 (MLRA 1, 2) (MLRA 1
Depth (ind Remarks: i-11": 10Y 6/2 YDROLOO Yetland Hyd Primary Indica Surface V High Wate Saturation Water Ma Saturation Saturation Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely	ches): 2, 3%, sandy clay GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) usits (B5) soil Cracks (B6) n Visible on Aerial Ir Vegetated Concave	ne is requ nagery (B Surface (ired; check all that i Water-Sta MLRA Salt Crust Aquatic In Hydrogen x Oxidized F Presence i Recent Iro Stunted or 7) Other (Exp B8)	apply) ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc Stresse Jain in R	ves (B9) and 4B) es (B13) Odor (C1) eres on L eed Iron (tion in Til d Plants emarks)	(except iving Ro C4) lled Soils (D1) (LR	Hydric Soil	Becondary Water- 4A, Drainag Satura Geomo Shallov X FAC-N Raised Frost-F	Yes Indicators (2 or more Stained Leaves (B9) and 4B) ge Patterns (B10) ason Water Table (C. tion Visible on Aerial orphic Position (D2) v Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (Li leave Hummocks (D7)	<u>required</u>) (MLRA 1, 2 (MLRA 1, 2) (MLRA 1
Depth (ind Remarks: 5-11": 10Y 6/2 Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely V	ches): 2, 3%, sandy clay GY rology Indicators: <u>ators (minimum of o</u> Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) usits (B5) foil Cracks (B6) n Visible on Aerial Ir Vegetated Concave ations:	ne is requ nagery (B Surface (ired; check all that a Water-Sta MLRA Salt Crust Aquatic Im Hydrogen x Oxidized F Presence Recent Iro Stunted or 7) Other (Exp B8)	apply) ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc stresse olain in R	ves (B9) and 4B) es (B13) Ddor (C1) eres on L eed Iron (tion in Til d Plants emarks)	(except) .iving Ro C4) Iled Soils (D1) (LR	Hydric Soil	Secondary Water- 4A, Drainag Dry-Se Satura Geomo Shallov X FAC-N Raised Frost-H	Yes	<no< td=""></no<>
Depth (ind Remarks: i-11": 10Y 6/2 YDROLOO Yetland Hyd Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely Y Surface Wate	ches): 2, 3%, sandy clay GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) soil Cracks (B6) n Visible on Aerial Ir Vegetated Concave ations: r Present? Ye	ne is requ nagery (B Surface (ired; check all that a Water-Sta MLRA Salt Crust Aquatic In Hydrogen X Oxidized F Presence Recent Iro Stunted or 7) Other (Exp B8)	apply) ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc n Reduc Stresse olain in R Depth (i	ves (B9) and 4B) es (B13) Ddor (C1) eres on L ced Iron (tion in Til d Plants emarks) emarks):	(except) Living Ro C4) Iled Soils (D1) (LR	Hydric Soil	Present? Secondary Water- 4A, Drainag Dry-Se Satura Geomo Shallow X FAC-N Raised Frost-H	Yes	<u>required</u>) (MLRA 1, 2 (MLRA 1, 2)) (MLRA 1, 2 (MLRA 1, 2)) (MLRA 1, 2 (MLRA 1, 2)) (MLRA 1, 2 (MLRA 1, 2)) (MLRA 1, 2))) (
Depth (ind Remarks: i-11": 10Y 6/2 YDROLOO Vetland Hyd Primary Indica Surface W High Wate Saturation Water Ma Saturation Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely V Surface Wate Vater Table F	ches): 2, 3%, sandy clay GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) soil Cracks (B6) n Visible on Aerial Ir Vegetated Concave ations: r Present? Ye	ne is requ nagery (B Surface (s	ired; check all that a Water-Sta MLRA Salt Crust Aquatic Int Hydrogen Hydrogen Recent Iro Recent Iro Stunted or 7)Other (Exp B8)	apply) ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc Stresse blain in R Depth (i Depth (i	ves (B9) and 4B) es (B13) Ddor (C1) eres on L eed Iron (tion in Tii d Plants emarks) emarks): 	(except iving Ro C4) Iled Soils (D1) (LR	Hydric Soil	Present? Secondary Water- 4A, Dry-Se Satura Geomo Shallov X FAC-N Raised Frost-F	Yes Indicators (2 or more Stained Leaves (B9) and 4B) ge Patterns (B10) ason Water Table (C. tion Visible on Aerial orphic Position (D2) v Aquitard (D3) eutral Test (D5) Ant Mounds (D6) (LH leave Hummocks (D7)	< <u>required</u>) (MLRA 1, 2 (MLRA 1, 2 2) Imagery (CS RR A) 7)
Depth (ind Remarks: i-11": 10Y 6/2 YDROLOO Vetland Hyd Primary Indica Surface V High Wate Saturation Water Ma Saturation Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely Surface Wate Vater Table F Saturation Pre	ches): 2, 3%, sandy clay GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) usits (B5) soil Cracks (B6) n Visible on Aerial Ir Vegetated Concave ations: r Present? Ye present? Ye esent? Ye	nagery (B Surface (ss	ired; check all that a Water-Sta MLRA Salt Crust Aquatic In Hydrogen x Oxidized F Presence of Recent Iro Stunted or 7) Other (Exp B8) No x No x	apply) ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc stresse olain in R Depth (i Depth (i Depth (i	ves (B9) and 4B) es (B13) Odor (C1) eres on L eed Iron (tion in Til d Plants emarks) mches): _ nches): _ nches): _	(except iving Ro C4) lled Soils (D1) (LR	Hydric Soil	Present? Secondary Water- 4A, Drainaa Dry-Se Satura Geomo Shallov X FAC-N Raised Frost-F	Yes	<u>No</u> <u>required</u> (MLRA 1, 2 (MLRA 1, 2 2) Imagery (CS RR A) 7) (No
Depth (ind Remarks: 5-11": 10Y 6/2 Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely V Field Observ Surface Wate Nater Table F Saturation Pre-	ches): 2, 3%, sandy clay GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) soil Cracks (B6) n Visible on Aerial Ir Vegetated Concave ations: r Present? Ye esent? Ye llary fringe)	ne is requ nagery (B Surface (ss	ired; check all that a Water-Sta MLRA Salt Crust Aquatic Im Hydrogen x Oxidized F Presence Recent Iro Stunted or 7) Other (Exp B8) No x No x No x No x	apply) ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc n Reduc Stresse olain in R Depth (i Depth (i Depth (i	ves (B9) and 4B) es (B13) Odor (C1) eres on L eed Iron (tion in Til d Plants emarks) mches):nches):	(except) .iving Ro C4) Iled Soils (D1) (LR	Hydric Soil	Present? Secondary Water- 4A, Drainag Dry-Se Satura Geomo Shallow X FAC-N Raised Frost-H	Yes	< <u>required</u>) (MLRA 1, 2 (MLRA 1,
Depth (ind Remarks: 5-11": 10Y 6/2 IYDROLOO Netland Hyd Primary Indica Surface W High Wate Saturation Water Ma Saturation Unift Depo Surface S Inundation Sparsely V Field Observ Surface Wate Nater Table F Saturation Pre includes capi Describe Rec	ches): 2, 3%, sandy clay GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) soil Cracks (B6) n Visible on Aerial Ir Vegetated Concave ations: r Present? Ye esent? Ye llary fringe) orded Data (stream	nagery (B Surface (s s gauge, m	ired; check all that a Water-Sta MLRA Salt Crust Aquatic Int Hydrogen Recent Iro Recent Iro Recent Iro Stunted or 7)Other (Exp B8) No No No No No	apply) ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc n Reduc Stresse blain in R Depth (i Depth (i Depth (i	ves (B9) and 4B) es (B13) odor (C1) eres on L eed Iron (tion in Tii d Plants emarks) mches): nches): nches): previous	(except iving Ro C4) Iled Soils (D1) (LR	Hydric Soil 9 0 <td< td=""><td>Present? Secondary Water- 4A, Dry-Se Satura Geomo Shallov X FAC-N Raised Frost-F</td><td>Yes</td><td><<u>No</u> required) (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2 (No</td></td<>	Present? Secondary Water- 4A, Dry-Se Satura Geomo Shallov X FAC-N Raised Frost-F	Yes	< <u>No</u> required) (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2 (No
Depth (ind Remarks: 5-11": 10Y 6/2 IYDROLOO Wetland Hyd Primary Indica Surface V High Water Saturation Water Ma Saturation Drift Depo Algal Mat Iron Depo Surface S Inundation Sparsely V Field Observ Surface Wate Nater Table F Saturation Pre includes capi Describe Reco	ches):	nagery (B Surface (s s gauge, m	ired; check all that a Water-Sta MLRA Salt Crust Aquatic Im Hydrogen x Oxidized F Presence o Recent Iro Stunted or 7) Other (Exp B8) No x No x No x No x No x No x	apply) ined Lea 1, 2, 4A, (B11) vertebrat Sulfide (Rhizosph of Reduc of Reduc of Reduc of Reduc of Reduc of Reduc of Reduc of Reduc of Reduc of Stresse olain in R Depth (i Depth (i Depth (i Depth (i	ves (B9) and 4B) es (B13) Odor (C1) eres on L eed Iron (tion in Til d Plants emarks) mches): nches): previous	(except) iving Ro C4) lled Soils (D1) (LR	Hydric Soil	Present? Secondary Water- 4A, Drainag Dry-Se Satura Geomo Shallov X FAC-N Raised Frost-H Hydrology bble:	Yes	< <u>No</u> <u>required</u>) (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2 (MLRA 1, 2 (No)
Depth (ind Remarks: 5-11": 10Y 6/2 IYDROLOO Wetland Hyd Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depc Algal Mat Iron Depo Surface S Inundation Sparsely V Field Observ Surface Wate Water Table F Saturation Pre includes capi Describe Reco	ches): 2, 3%, sandy clay GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) soil Cracks (B6) n Visible on Aerial Ir Vegetated Concave ations: r Present? Ye Present? Ye sent? Ye llary fringe) orded Data (stream	nagery (B Surface (ss	ired; check all that a Water-Sta MLRA Salt Crust Aquatic In Hydrogen x Oxidized F Presence Recent Iro Stunted or 7) Other (Exp B8) No x No x No x No x No x	apply) ined Lea 1, 2, 4A, (B11) vertebrat Sulfide C Rhizosph of Reduc n Reduc Stresse olain in R Depth (i Depth (i Depth (i I photos,	ves (B9) and 4B) es (B13) Odor (C1) eres on L æd Iron (tion in Til d Plants emarks) nches): nches): previous	(except) .iving Ro C4) Iled Soils (D1) (LR	Hydric Soil	Present? Secondary Water- 4A, Drainay Dry-Se Satura Geomo Shallov X FAC-N Raised Frost-F Hydrology able:	Yes	< <u>No</u> <u>required</u>) (MLRA 1, 2 (MLRA 1, 2 2) Imagery (C RR A) 7) < <u>No</u>

U.S. Army Co	rps of Eng	gineers	;			OMB Contro	ol #: 0710-0024, l	Exp: 11/30/2	2024
WETLAND DETERMINATION DATA SHEET – See ERDC/EL TR-10-3; the pr	Western M oponent a	ountains igency i	s, Val s CE	leys, and C CW-CO-F	coast Region २	Requirem (Authority	ent Control Sym v: AR 335-15, pai	bol EXEMP ragraph 5-2	PT: a)
Project/Site: Timber Ridge		City	//Coun	ty: El Paso	County	Sar	npling Date:	: 5/4/2	3
Applicant/Owner: Classic Communities	State: C	O Sar	nolina Point	: s	P4				
Applicativowner. <u>Classic Communities</u>									
			·	wiisiip, itai	ige. <u>327, 1123,</u>	110000		(0/)	
Landform (hilliside, terrace, etc.): <u>stream terrace</u>	646	Local reli	let (co	ncave, conv	ex, none): <u>conca</u>	ave	Si	ope (%):	<u> </u>
Soil Map Unit Name: Pleasant (Torrertic Argiustolls)	010			LONG	NWI	classificatio	n: N/A	. <u>waa</u>	5 04
Are climatic / bydrologic conditions on the site typical for	this time of	vear?		Vos X	No (lfr	o evolain ir	Remarks)		
Are Vegetation N. Soil N. or Hydrolegy N.		ycai: listurbod?	۰ ۸,			ont? V		No	
Are vegetation <u>N</u> , Son <u>N</u> , or Hydrology <u>N</u>	signincantiy u					sentr re		NO	_
SUMMARY OF FINDINGS – Attach site ma	ap showir	ng sam	pling	needed, exp point lo	cations, transe	ects, imp	ortant fea	atures.	, etc.
	•				•	· •		-	,
Hydrophytic Vegetation Present? Yes X No	<u> </u>		is the	Sampled Ar	ea	×	-		
Hydric Soll Present? Yes X No Wetland Hydrology Present? Yes X No		`	within	a wetland	r res	<u> </u>	lo		
)								
Remarks:									
VEGETATION – Use scientific names of p	lants.								
	Absolute	Domina	ant	Indicator	[
Tree Stratum (Plot size: 30'x30')	% Cover	Specie	es?	Status	Dominance Te	st workshee	et:		
1					Number of Dom	inant Specie	es That		
2					Are OBL, FACV	, or FAC:		2	(A)
3					Total Number of	f Dominant S	Species		
4			<u> </u>		Across All Strata	a:		3	_ ^(B)
		=Total Co	over		Percent of Dom	inant Specie	s That	00 70/	
Sapling/Snrub Stratum (Plot size: 15:X15)	20	Vaa			Are OBL, FACM	V, or FAC:		66.7%	_(A/B)
		Tes	· ·	FACW	Provalence Ind	ox workeho	ot:		
3			·		Total % Co	over of:	Multir	olv bv [.]	
4.			·		OBL species	0	$\frac{1}{x 1 =}$	0	-
5.					FACW species	70	x 2 =	140	-
	30	=Total Co	over		FAC species	19	x 3 =	57	-
Herb Stratum (Plot size: 5'x5')					FACU species	8	x 4 =	32	
1. Juncus balticus	40	Yes		FACW	UPL species	30	x 5 =	150	
2. Bromus inermis	30	Yes	<u> </u>	UPL	Column Totals:	127	(A)	379	(B)
3. Taraxacum officinale	2	No		FACU	Prevalence	Index = B/A	= 2.9	98	_
4. Achillea millefolium	2	No	<u> </u>	FACU					
5. Cirsium arvense	3	No	·	FAC	Hydrophytic Ve	egetation In	dicators:		
6. Elymus trachycaulus	10	<u>No</u>	·	FAC		est for Hydro	phytic Vege	etation	
7. Verbascum thapsus	4	No	<u> </u>	FACU	$\frac{X}{2}$ - Dominar	ice lestis >	50%		
6. Potentina graciiis			·		A 3 - Prevaler		≥3.0 stions ¹ /Drov	ido oupr	orting
	4		·	FAC	data in R	emarks or o	n a separate	e sheet)	borung
11.			·		5 - Wetland	Non-Vascul	ar Plants ¹	,	
	97	=Total Co	over		Problematic	Hydrophytic	vegetation	¹ (Explai	in)
Woody Vine Stratum (Plot size: 30'x30')					¹ Indicators of by	dric soil and	wetland hw	drology r	, nust
1^					be present, unle	ess disturbed	l or problem	atic.	nuor
2.					Hydrophytic				
		=Total Co	over		Vegetation				
% Bare Ground in Herb Stratum					Present?	Yes X	No		
Remarks:					•				

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Profile Desc	ription: (Describe	to the dept	th needed to doc	ument th	e indica	tor or c	onfirm the	absence of	f indicators.)	
Depth	Matrix		Redo	x Featur	es1	. 2	-			- .	
(inches)	Color (moist)	<u>%</u>	Color (moist)		I ype '	Loc	lex	ture		Remarks	
0-3	10YR 2/2	100					Loamy	/Clayey		Loamy sand	у
3-9	10YR 2/2	99	5YR 4/6	2	C	M	Sa	ndy		Sandy loam	1
9-20	10YR 3/2	90	5YR 4/6	10	CS	M	Sa	ndy			
20-24	10YR 2/1	90	2.5YR 3/6	10	C	PL/M	Sa	ndy	Туре: С	CS, Sandy	clay loam
				_	_						
¹ Type: C=Co	oncentration, D=Depl	etion, RM=	Reduced Matrix, C	S=Cove	red or Co	pated Sa	and Grains.	² Locat	ion: PL=Por	e Lining, M=	Matrix.
Hydric Soil I	ndicators: (Applica	ble to all L	RRs, unless othe	erwise n	oted.)			Indicators	s for Proble	natic Hydric	: Soils ³ :
Histosol	(A1)		Sandy Gle	yed Matr	ix (S4)			2 cm I	Muck (A10) (LRR A, E)	
Histic Ep	ipedon (A2)		X Sandy Ree	dox (S5)				Iron-N	langanese M	lasses (F12)	(LRR D)
Black His	stic (A3)		Stripped M	latrix (S6	5)			Red P	arent Materi	al (F21)	
X Hydroger	n Sulfide (A4)		Loamy Mu	cky Mine	eral (F1)	(except	MLRA 1)	Very S	Shallow Dark	Surface (F2	2)
1 cm Mu	ck (A9) (LRR D, G)		Loamy Gle	eyed Mat	rix (F2)			Other	(Explain in F	Remarks)	
Depleted	Below Dark Surface	e (A11)	Depleted I	Matrix (F3	3)						
Thick Da	rk Surface (A12)		Redox Da	'k Surfac	e (F6)			³ Indicators	s of hydrophy	tic vegetatio	n and
Sandy M	ucky Mineral (S1)		Depleted [Dark Surf	ace (F7)			wetlar	nd hydrology	must be pres	sent,
2.5 cm M	lucky Peat or Peat (62) (LRR G	i)Redox De	pressions	s (F8)			unless	s disturbed o	r problematio).
Restrictive L	ayer (if observed):										
Туре:	N/a										
Depth (in	iches):						Hydric S	oil Present	?	Yes X	No
Remarks:											
HYDROLO	GY										
Wetland Hyd	drology Indicators:							• •		•	· · ·
Primary Indic	ators (minimum of o	ne is requii	red; check all that	apply)	(PO)	(avaant		Secondary	/ Indicators (2 or more re	
High Wat	ter Table (A2)			1 2 1A	and 4 B)	(except			and (B)	IVES (D9) (IVII	LKA 1, 2
Saturatio	$\frac{1}{2} \left(A^2 \right)$		Salt Crust	(B11)				Draina	, and 40)	(B10)	
Water M	arks (B1)			(DTT) vertebrat	es (B13)			Draina	aye Fallenis eason Water	Table (C2)	
Sedimen	t Deposits (B2)		X Hydrogen	Sulfide C	dor (C1)			Bry=or	ation Visible	on Aerial Ima	adery (C9)
Drift Dep	(B2)			Shizosph	eres on l	' ivina Ra	oots (C3)	Geom	orphic Positi	on (D2)	
Algal Mat	t or Crust (B4)		Presence	of Reduc	ed Iron (C4)	000	Shallo	w Aquitard (D3)	
Iron Dep	osits (B5)		Recent Iro	n Reduc	tion in Ti	led Soils	s (C6)	X FAC-N	Neutral Test	(D5)	
Surface S	Soil Cracks (B6)		Stunted or	Stresse	d Plants	(D1) (LF	RR A)	Raise	d Ant Mound	s (D6) (LRR	A)
Inundatio	on Visible on Aerial Ir	magery (B7) Other (Exp	olain in R	emarks)	. ,	,	Frost-	Heave Humr	nocks (D7)	,
Sparsely	Vegetated Concave	Surface (E	88)		,						
Field Observ	vations:	,									
Surface Wate	er Present? Ye	s	No x	Depth (ii	nches):		1				
Water Table	Present? Ye	s	No x	Depth (ii	nches):						
	resent? Ye	s	No x	Depth (ii	nches):		Wetlan	d Hydrolog	y Present?	Yes X	No
Saturation Pr	10								-		

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

U.S. Army Cor	rps of Eng	gineers	5			OMB Contro	l #: 0710-0024, l	Exp: 11/30/2	2024
WETLAND DETERMINATION DATA SHEET – See ERDC/EL TR-10-3; the pr	Western M oponent a	ountain gency i	s, Val is CE	leys, and C CW-CO-F	coast Region २	Requirem (Authority	ent Control Sym :: AR 335-15, pai	bol EXEMP ragraph 5-2a	T: a)
Project/Site: Timber Ridge		City	//Coun	nty: El Paso	County	Sar	npling Date:	: 5/4/2	3
Applicant/Owner: Classic Communities	State: C	O Sar	nplina Point	: s	P5				
Applicativowner. <u>Classic Communities</u>									
				ownonip, i tai	ige. <u>327, 1123,</u>	110000		(0()	
Currace, etc.): streambed		Local rei	lier (co	ncave, convo	ex, none): <u>conca</u>	ave	SI	ope (%):	<u>_/</u>
Soil Map Unit Name: Pleasant (Torrertic Argiustolls)	000			Long	NWI	classification	Datum	. <u>wg</u>	04
Are dimetia / bydralogia canditiona on the site typical for	this time of	waar?		Vaa V	No (If		Bomorka)		
Are climatic / Hydrologic conditions on the site typical for		year :			(III) (III			NI-	
Are vegetation N, Soli N, or Hydrology N s	significantiy d	listurbed :	? AI		ircumstances pres	sent? Ye	es <u>x</u> i	NO	-
Are Vegetation N, Soil N, or Hydrology N r	aturally prob	olematic?	nlina)	t needed, exp	cations trans	n Remarks.)	ortant fo:	aturas	otc
			Pinić			50t3, mp		atures,	
Hydrophytic Vegetation Present? Yes X No	·		Is the	Sampled Ar	ea				
Hydric Soil Present? Yes X No	·	'	within	a Wetland?	Yes	<u> </u>	o		
Wetland Hydrology Present? Yes X No	» <u> </u>								
Remarks:									
VEGETATION - Use scientific names of n	lante								
VEGETATION - Use scientific names of p		Domin	ant	Indicator					
<u>Tree Stratum</u> (Plot size: 30'x30')	% Cover	Specie	es?	Status	Dominance Te	st workshee	et:		
1					Number of Dom	inant Specie	s That		
2.					Are OBL, FACV	, or FAC:		2	(A)
3.					Total Number of	f Dominant S	Species		
4					Across All Strata	a:		3	(B)
		=Total Co	over		Percent of Dom	inant Specie	s That		
Sapling/Shrub Stratum (Plot size: 15'x15')					Are OBL, FACV	/, or FAC:		66.7%	(A/B)
1. <u>Salix exigua</u>	40	Yes	<u> </u>	FACW			- 4		
2					Total % Co	ex worksne	et: Multir	h h	
3							v 1 =	0	-
5					FACW species	80	x 2 =	160	-
···	40	=Total Co	over		FAC species	19	x 3 =	57	-
<u>Herb Stratum</u> (Plot size: 5'x5')					FACU species	5	x 4 =	20	-
1. Juncus balticus	40	Yes	\$	FACW	UPL species	35	x 5 =	175	-
2. Bromus inermis	35	Yes	3	UPL	Column Totals:	139	(A)	412	(B)
3. Taraxacum officinale	2	No		FACU	Prevalence	Index = B/A	= 2.9	96	_
4. Achillea millefolium	2	No		FACU					
5. Cirsium arvense	3	No		FAC	Hydrophytic Ve	egetation In	dicators:		
6. Elymus canadensis	10	No		FAC	1 - Rapid Te	est for Hydro	phytic Vege	etation	
7. Verbascum thapsus		No		FACU	X 2 - Dominar	nce Test is >	50%		
8. Potentilla gracilis	2	No		FAC	$\frac{X}{3}$ - Prevaler	ice Index is :	≤3.0°		c.
9. <u>Other forbs</u>	4	NO		FAC	data in R	emarks or o	ations (Prov n a separate	ride supp e sheet)	orting
11					5 - Wetland	Non-Vascul	ar Plants ¹	/	
····	99	=Total Co	over		Problematic	: Hydrophytic	Vegetation	¹ (Explai	n)
Woody Vine Stratum (Plot size: 30'x30')							wetland bu	drology	'' nuet
1.					be present, unle	ess disturbed	or problem	atic.	nuət
2.					Hydrophytic				
	:	=Total Co	over		Vegetation				
% Bare Ground in Herb Stratum 1					Present?	Yes_X	No		
Remarks:									

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UUIL									• • • •	-	
Profile Desc	ription: (Describe	to the dept	n needed to doc	ument th	e indica	tor or c	onfirm the	absence of	indicators.)		
Depth	Matrix		Redo	ox Feature	es						
(inches)	Color (moist)		Color (moist)		Туре	Loc [∠]	Tex	ture		Remarks	
0-2	10YR 2/2	100					Loamy	/Clayey	l	_oamy sandy	,
2-8	10YR 2/2	99	5YR 4/6	2	C	Μ	Sa	ndy		Sandy loam	
8-20	10YR 3/2	90	5YR 4/6	5	CS	Μ	Sa	ndy	Sa	andy clay loa	m
20-24	10YR 2/1	90	2.5YR 3/6	3	C	PL/M	Sa	ndy	Sa	andy clay loa	m
		·									
		• •									
		·						· ·			
¹ Type: C=Co	oncentration, D=Dep	letion, RM=F	Reduced Matrix, (CS=Cove	red or C	oated Sa	and Grains.	² Locat	ion: PL=Por	e Lining, M=N	Matrix.
Hydric Soil I	Indicators: (Applica	able to all Li	RRs, unless oth	erwise ne	oted.)			Indicators	for Problen	natic Hydric	Soils ³ :
Histosol	(A1)		Sandy Gle	eyed Matr	ix (S4)			2 cm M	Muck (A10) (I	_RR A, E)	
Histic Ep	vipedon (A2)		X Sandy Re	dox (S5)				Iron-M	langanese Ma	asses (F12) ((LRR D)
Black His	stic (A3)		Stripped N	∕latrix (S6	i)			Red P	arent Materia	al (F21)	
X Hydroger	n Sulfide (A4)		Loamy Μι	ucky Mine	eral (F1)	(except	MLRA 1)	Very S	Shallow Dark	Surface (F22	?)
1 cm Mu	ck (A9) (LRR D, G)		Loamy Gle	eyed Matr	rix (F2)			Other	(Explain in R	emarks)	
Depleted	Below Dark Surface	e (A11)	Depleted	Matrix (F3	3)			9			
Thick Da	rk Surface (A12)		Redox Da	rk Surfac	e (F6)			°Indicators	of hydrophy	lic vegetation	and
Sandy M	ucky Mineral (S1)		Depleted I	Dark Surt	ace (F7)			wetlan	d hydrology i	nust be pres	ent,
2.5 CIT IV		S2) (LKK G)		pressions	\$ (FØ)	<u> </u>		uniess	S disturbed of	problematic.	
Restrictive L	_ayer (if observed):										
Type:	N/a		_				Ludric S	-il Brosont'	n	Vac X	No
			<u> </u>					Oli Flesent:	r		
Remarks:											
HYDROLO	GY										
Wetland Hyd	drology Indicators:										
Primary Indic	cators (<u>minimum of c</u>	one i <u>s require</u>	ed; ch <u>eck all that</u>	ap <u>ply)</u>				Se <u>condar</u> y	/ Indi <u>cators (2</u>	2 or m <u>ore reg</u>	uired)
Surface	Water (A1)		Water-Sta	ained Lea	ves (B9)	(except	t	Water	-Stained Lea	ves (B9) (ML	.RA 1, 2
High Wa	ter Table (A2)		MLRA	1, 2, 4A,	and 4B)	Į		4A,	, and 4B)		
Saturatio	on (A3)		Salt Crust	. (B11)				Draina	age Patterns	(B10)	
Water M	arks (B1)		Aquatic In	vertebrat	es (B13)			Dry-Se	eason Water	Table (C2)	
Sedimen	it Deposits (B2)		X Hydrogen	Sulfide C	odor (C1))		Satura	ation Visible o	on Aerial Imag	gery (C9)
Drift Dep	osits (B3)		X Oxidized F	Rhizosphe	eres on L	iving Ro	oots (C3)	Geom	orphic Positio	on (D2)	
Algal Ma	t or Crust (B4)		Presence	of Reduc	ed Iron (C4)	(==)	Shallo	w Aquitard (E)3)	
Iron Dep	osits (B5)		Recent Irc	on Reduct	tion in Til	led Soils	s (C6)	X FAC-N	Veutral Test (D5)	• `
Surface :	Soll Cracks (Bb)	(P7)	Stunted or	Stressed		(D1) (L R	RRA)	Kaised	d Ant Mounas	3 (D6) (LKK /	A)
Sparsely		Magery (Dr)		plain in Re	emarks			FIUSI-I	Heave Humm	100KS (17)	
			3)				<u> </u>				
Surface Wate	valions. or Procent? Ve	20	No x	Denth (ir	nches).						
Water Table	Present? Ye	25 <u> </u>		Depth (i	nches)						
Viator rubio	1163611: 13			Depuis	1011007.						
Saturation Pr	resent? Ye	35	No x	Depth (ir	nches):		Wetlan	d Hvdrolog	v Present?	Yes X	No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

U.S. Army Cor	ps of Eng	gineers			OMB Control #: 0710-0	024, Exp: 11/30/2024
WETLAND DETERMINATION DATA SHEET - See ERDC/EL TR-10-3; the pro	Western M oponent a	ountains, gency is	Valleys, and C CECW-CO-F	Coast Region २	Requirement Control (Authority: AR 335-1	Symbol EXEMPT: 5, paragraph 5-2a)
Project/Site: Timber Ridge		City/0	County: El Pasc	County	Sampling D	ate: 5/4/23
Applicant/Owner: Classic Communities		State: C	O Sampling P	oint: SP6		
Investigator(s): Daniel Maynard & Emily DeAlto		Section	n. Township, Rai	 nae: S27. T12S.	I U	
Landform (hillside terrace etc.): stream terrace			f (concave conv	rex none); conc		Slope (%): 4
Subregion (LRR): LRR E Lat: 38.083	302	Loourrene		104 662377	Da	
Soil Man Unit Name: Pleasant (Torrertic Argustolls)	592		Long	NWI	Da	um. <u>WG3 64</u>
			X			
Are climatic / hydrologic conditions on the site typical for	this time of	year?	Yes X		no, explain in Remar	KS.)
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u> s	ignificantly d	listurbed?	Are "Normal C	Circumstances" pres	sent? Yes <u>x</u>	No
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u> n	aturally prob	ematic?	(If needed, ex	plain any answers i	n Remarks.)	
SUMMARY OF FINDINGS – Attach site ma	ıp showir	ng samp	ling point lo	cations, transe	ects, important	features, etc.
Hydrophytic Vegetation Present? Yes X No		ls	the Sampled A	rea		
Hydric Soil Present? Yes X No		wi	ithin a Wetland	? Yes	<u> X No </u>	
Wetland Hydrology Present? Yes X No						
Remarks:						
VEGETATION – Use scientific names of p	lants.					
Tree Stratum (Plot size: 30'x30')	Absolute % Cover	Dominar Species	nt Indicator ? Status	Dominance Te	st worksheet:	
1.		000000		Number of Dom	inant Spaciae That	
2.				Are OBL, FACV	V, or FAC:	2 (A)
3.				Total Number of	f Dominant Species	
4.				Across All Strata	a:	3 (B)
		=Total Cov	er	Percent of Dom	inant Species That	
Sapling/Shrub Stratum (Plot size: 15'x15')				Are OBL, FACV	V, or FAC:	(A/B)
1. <u>Salix exigua</u>	50	Yes	FACW			
2				Prevalence Ind	ex worksheet:	
3				Total % Co	over of: M	ultiply by:
4				OBL species	0 x 1 =	0
5				FACW species	<u>90</u> x 2 =	180
Harb Stratum (Diat aiza: E'vE')	50	= I otal Cov	er	FAC species	$\frac{14}{2}$ x 3 =	42
<u>neib Stratum</u> (Flot size. <u>5 x5</u>)	40	Ves	FACW	LIPL species	$\frac{4}{40}$ x 5 =	200
2 Bromus inermis	40	Yes		Column Totals	148 (A)	(B)
3. Taraxacum officinale	1	No	FACU	Prevalence	Index = $B/A =$	2.96
4. Achillea millefolium	2	No	FACU			
5. Cirsium arvense	3	No	FAC	Hydrophytic Ve	egetation Indicators	s:
6. Elymus canadensis	10	No	FAC	1 - Rapid Te	est for Hydrophytic V	egetation
7. Verbascum thapsus	1	No	FACU	X 2 - Dominar	nce Test is >50%	
8. Potentilla gracilis	1	No	FAC	X 3 - Prevaler	nce Index is ≤3.0 ¹	
9. Other forbs	2	No		4 - Morpholo	ogical Adaptations ¹ (F	Provide supporting
10				data in R	emarks or on a sepa	rate sheet)
11		— / · -		5 - Wetland	Non-Vascular Plant	s'
	100	= I otal Cov	er	Problematic	: Hydrophytic Vegeta	tion' (Explain)
<u>vvoody vine Stratum</u> (Plot size: <u>30'x30'</u>) 1.				¹ Indicators of hy be present, unle	dric soil and wetland	hydrology must lematic.
2.					· · ·	
		=Total Cov	er	Vegetation		
% Bare Ground in Herb Stratum 0				Present?	Yes <u>X</u> No	
Remarks:				1		

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Profile Desc	ription: (Describe 1	to the depti	n needed to doc	ument th	he indica	itor or c	onfirm the	absence of	f indicators.)	
Ueptn (inches)	Color (moist)		Color (moist)	x Featur	Type ¹		To	ture		Romarks	
					туре				Kemarks		
0-2	10TR 2/2						Loamy				1
2-10	10YR 2/2		5YR 4/6		<u> </u>	<u></u>	Sa	ndy		Sandy loam	1
10-18	10YR 3/2	90	5YR 4/6	3	C	M	Sa	ndy	Type: C	, CS, Sandy	clay loam
18-24	10YR 2/1	90	2.5YR 3/6	2			Sa	ndy	S	andy clay loa	am
Type: C=Co	oncentration, D=Depl	etion, RM=I	Reduced Matrix, (CS=Cove	ered or C	pated Sa	and Grains.	² Locat	tion: PL=Po	re Lining, M=	Matrix.
ydric Soil I	ndicators: (Applica	ble to all L	RRs, unless othe	erwise n	oted.)			Indicators	s for Proble	matic Hydric	: Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)			2 cm I	Muck (A10) (LRR A, E)	
Histic Ep	ipedon (A2)		X Sandy Redox (S5)				Iron-Manganese Masses (F12) (LRR D)				
Black His	stic (A3)		Stripped N	Stripped Matrix (S6)				Red P	arent Materi	al (F21)	
X Hydrogei	n Sulfide (A4)		Loamy Mu	ICKY Mine	eral (F1)	(except	MLRA 1)	Very S	Shallow Dark	Surface (F2	.2)
	CK (A9) (LRR D, G)	(Loamy Gi	Loamy Gleyed Matrix (F2)				Other	(Explain in F	(emarks)	
Depleted Below Dark Surface (A11)			Depleted I	Matrix (F	3)			31	6 h h h.		
Thick Da	Redox Da	rk Surfac	ce (F6)			Indicators	s of hydrophy	/tic vegetatio	n and		
Sandy M	Depleted I	Jark Sur	face (F7)			wetlar	nd hydrology	must be pre	sent,		
2.5 cm iv	lucky Peat of Peat (3	52) (LRR G)		pression	S (F8)			uniess	s alsturbea o	r problematic	J.
Restrictive L	ayer (if observed):										
Type: Depth (in	N/a hches):		_				Hydric S	oil Present	?	Yes_X	No
emarks:											
YDROLO	GY										
Vetland Hyd	trology Indicators:										
Primary Indic	ators (minimum of o	ne is require	ed; check all that	apply)	(50)	, ,		Secondary	y Indicators (2 or more re	<u>quired)</u>
Surface	Water (A1)		Water-Sta	ined Lea	aves (B9)	(except	t	Water	-Stained Lea	aves (B9) (M	LRA 1, 2
High Wa	ter Table (A2)		MLRA	1, 2, 4A,	, and 4B)		4A, and 4B)				
	n (A3)			(B11)	(0.40)			X Drainage Patterns (B10)			
Water Marks (B1)Aquatic Invertebrates (B13)						Dry-Season Water Table (C2)					
Sedimen			X Hydrogen		Jaor (C1) 	+ - (00)		ation visible	on Aeriai ima	agery (Cs
				<pre>knizospn</pre>	ieres on i		bots (C3)	Geom		on(DZ)	
	t or Crust (B4)		Presence	of Reduc	ced Iron ((C4)	. (00)		w Aquitard (D3)	
Iron Dep	DSIIS (B5)		Recent Irc				s (C6) X FAC-Neutral Test (D5)			• • •	
Surrace :		(8-)		Stresse		(D1) (L F	(R A) Raised Ant Mounds (D6) (LRR A)				
	on Visible on Aerial Ir	nagery (B7)	Other (Exp	plain in R	(emarks)			Frost-	Heave Humi	nocks (D7)	
Sparsely	Vegetated Concave	Surface (B	ძ)								

		50)							
Field Observations:									
Surface Water Present?	Yes	No <u>x</u>	Depth (inches):						
Water Table Present?	Yes	No x	Depth (inches):						
Saturation Present?	Yes	No x	Depth (inches):	Wetland Hydrology Present?	Yes X	No			
(includes capillary fringe)									
Describe Recorded Data (s	tream gauge, mo	onitoring well, aer	ial photos, previous inspectio	ons), if available:					
Remarks:									

U.S. Army Cor WETLAND DETERMINATION DATA SHEET - See ERDC/EL TR-10-3; the pro	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)					
Draiget/Site: Timber Didge	•	Citu/Co	untur El Doco	Country	Sompling [) oto: 5/4/22
						ale. <u>3/4/23</u>
Applicant/Owner: Classic Communities	Sampling P	oint: SP7				
Investigator(s): Daniel Maynard & Emily DeAlto		Section,	Township, Rar	nge: <u>S22, T12S</u> ,	, R65W	
Landform (hillside, terrace, etc.): swale/drainage		Local relief (concave, conv	ex, none): <u>conca</u>	ave	Slope (%): 2
Subregion (LRR): LRR E Lat: 38.9843	376		Long:	104.662990	Da	tum: WGS 84
Soil Map Unit Name: Pring (Aridic Haplustolls)				NWI	classification: N/A	
Are climatic / hydrologic conditions on the site typical for	this time of	year?	Yes x	No (If r	no, explain in Remar	ks.)
Are Vegetation N . Soil N . or Hydrology N s	ignificantly d	listurbed?	Are "Normal C	ircumstances" pres	sent? Yes x	No
Are Vegetation N Soil N or Hydrology N n	aturally proh	lematic?	(If needed exi	olain any answers i	n Remarks)	
SUMMARY OF FINDINGS – Attach site ma	ıp showir	ng sampli	ng point lo	cations, transe	ects, important	features, etc.
Hydrophytic Vegetation Present? Yes X No	1	ls ti	ne Sampled Ar	rea		
Hydric Soil Present? Yes X No		with	in a Wetland?	? Yes	X No	
Wetland Hydrology Present? Yes X No						-
Remarks:						
VEGETATION – Use scientific names of p	lants.					
	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30'x30')	% Cover	Species?	Status	Dominance Te	st worksheet:	
1				Number of Dom	inant Species That	
2				Are OBL, FACV	V, or FAC:	(A)
3				Total Number of	f Dominant Species	
4				Across All Strata	a:	(B)
		=Total Cover		Percent of Dom	inant Species That	
Sapling/Shrub Stratum (Plot size: 15'x15')				Are OBL, FACV	V, or FAC:	(A/B)
1. <u>Salix exigua</u>	30	Yes	FACW			
2			·	Prevalence Ind	ex worksheet:	
3.			·	Total % Co	over of: M	ultiply by:
4			·	OBL species	75 x 1 =	75
5			·	FACW species	<u> </u>	70
	30	=Total Cover		FAC species	<u> </u>	15
Herb Stratum (Plot size: 5'x5')				FACU species	2 x 4 =	8
1. Carex nebrascensis	75	Yes	OBL	UPL species	0 x 5 =	0
2. Juncus balticus	5	No	FACW	Column Totals:	<u>117</u> (A)	<u> 168 (B)</u>
3. Verbascum thapsus		No	FACU	Prevalence	Index = B/A =	1.44
4. Cirsium arvense		No	FAC			
5. Other forb	8	No		Hydrophytic Ve	egetation Indicators	S:
6			·	1 - Rapid Te	est for Hydrophytic V	egetation
7				X 2 - Dominar	nce Test is >50%	
8	. <u> </u>		·	X 3 - Prevaler	nce Index is ≤3.0'	
9				4 - Morpholo	ogical Adaptations ¹ (F	Provide supporting
10				data in R	emarks or on a sepa	
11			·	5 - Wetland	Non-Vascular Plant	s'
	95	= lotal Cover		Problematic	: Hydrophytic Vegeta	ition' (Explain)
<u>Woody Vine Stratum</u> (Plot size: <u>30'x30'</u>)				¹ Indicators of hy	dric soil and wetland	d hydrology must
				be present, unle	ess disturbed or prob	
Z		-T-4-1 0		Hydrophytic		
% Para Cround in Harb Strature		- I otal Covel		Vegetation		
				Present?		·
Remarks:						

SOIL

Profile Desc	ription: (Describe	to the depth	needed to doc	ument th	ne indica	tor or o	confirm the	absence of	indicators.)		
Depth	Matrix		Redo	ox Featur	res						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Tex	ture	Remarks		
0-9	10YR 3/1	90	5YR 4/6	5	C	PL/M	Loamy	/Clayey	Clay loam		
9-24	2.5Y 4/2	100					Sandy Coarse sand				
		·									
17 0.0								2.			
Type: C=Co	ncentration, D=Dep	letion, RM=R	educed Matrix, (CS=Cove	ered or Co	bated S	and Grains.		tion: PL=Pore Lining, M=Matrix.		
Hydric Soll I	ndicators: (Applica	adie to all LR	Rs, unless oth	erwise n	otea.)				tor Problematic Hydric Solis :		
Histic En	(Λ^2)		Sandy Bo	-yeu Mat dox (S5)	IIX (34)						
Histic Ep	tia $(A2)$			4 otriv (SG)	2)			Rod D	aront Material (E21)		
	Sulfide ($\Delta 4$)			icky Mine	7) aral (E1) (avcent	MIRA 1)	Verv S	Shallow Dark Surface (F22)		
				eved Mat	triv ($F2$)	except		Other	(Evolain in Remarks)		
Depleted	Below Dark Surfac	ο (Δ11)	Depleted	Matrix (F	3)						
Thick Da	k Surface (A12)	0 (////)	X Redox Da	rk Surfac	c) ce (F6)			³ Indicators	of hydrophytic vegetation and		
Sandy M	ucky Mineral (S1)		Depleted	Dark Sur	face (F7)			wetlan	d hydrology must be present.		
2.5 cm M	ucky Peat or Peat (S2) (LRR G)	Redox De	pression	s (F8)			unless	disturbed or problematic.		
Restrictive L	aver (if observed)				. ,				-		
Type ⁻											
Depth (in	ches):		_				Hvdric S	oil Present	? Yes X No		
0-9": 2.5Y 4/2	2, 5%										
HIDROLO	GY										
Wetland Hyd	rology Indicators:							. .			
Primary Indic	ators (minimum of o	one is required	t; check all that	apply)		/	•	Secondary	/ Indicators (2 or more required)		
	$\frac{1}{2} \operatorname{A} \left(A \right)$				and (D9)	(excep	L	vvaler	-Stained Leaves (B9) (MLRA 1, 2		
	(A2)			I, Z , 4A ,	aliu 4D)			4A, Draina	$(\mathbf{P}_{10}, \mathbf{P}_{10})$		
Saturatio	n (A3) arke (B1)			(DII) vertebrat	los (B13)				age Fallerins (DTU)		
Sediment	Deposits (B2)		x Hydrogen	Sulfide (Odor (C1)			Satura	ation Visible on Aerial Imagery (C9)		
Drift Dep	osits (B3)		x Oxidized F	Rhizosph	eres on L	, ivina R	oots (C3)	Geom	orphic Position (D2)		
Algal Mat	or Crust (B4)		Presence	of Reduc	ced Iron (C4)	(00)	Shallo	w Aquitard (D3)		
Iron Depo	osits (B5)		Recent Irc	on Reduc	tion in Til	led Soil	ls (C6)	X FAC-N	Neutral Test (D5)		
Surface S	Soil Cracks (B6)		Stunted of	r Stresse	d Plants	(D1) (L l	RR A)	Raise	d Ant Mounds (D6) (LRR A)		
Inundatio	n Visible on Aerial I	magery (B7)	Other (Exp	plain in R	Remarks)			Frost-	Heave Hummocks (D7)		
Sparsely	Vegetated Concave	e Surface (B8)									
Field Observ	ations:										
Surface Wate	er Present? Yo	es	No x	Depth (i	nches):						
Water Table	Present? Ye	es	No <u>x</u>	Depth (i	nches):						
Saturation Pr	esent? Y	es	No x	Depth (i	nches):		Wetlan	d Hydrolog	y Present? Yes <u>X</u> No		
(includes cap	illary fringe)										
Describe Rec	orded Data (stream	i gauge, moni	oring well, aeria	al photos,	, previous	inspec	ctions), if ava	ailable:			
Remarks [.]											
. tomanto.											

U.S. Army Cor WETLAND DETERMINATION DATA SHEET – See ERDC/EL_TR-10-3: the pr	rps of Eng Western M	gineers ountains, V	Valleys, and C	Coast Region	OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
	оронені а				
Project/Site: Timber Ridge		City/C	ounty: El Paso	County	Sampling Date: 5/4/23
Applicant/Owner: Classic				State: C	CO Sampling Point: SP8
Investigator(s): Daniel Maynard & Emily DeAlto		Section	, Township, Rar	nge: S22, T12S	, R65W
Landform (hillside, terrace, etc.): hillslope		Local relief	(concave, conv	ex, none): <u>conve</u>	ex Slope (%): 10
Subregion (LRR): LRR E Lat: 38.984	235		Long: _	104.663001	Datum: WGS 84
Soil Map Unit Name: Pring (Aridic Haplustolls)				NWI	classification: N/A
Are climatic / hydrologic conditions on the site typical for	this time of	year?	Yes x	No (If i	no, explain in Remarks.)
Are Vegetation N , Soil N , or Hydrology N s	significantly o	listurbed?	Are "Normal C	Circumstances" pre	sent? Yes x No
Are Vegetation N , Soil N , or Hydrology N r	naturally prob	plematic?	(If needed, ex	plain any answers i	in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	ap showir	ng sampl	ing point lo	cations, trans	ects, important features, etc.
Hydrophytic Vegetation Present? Yes No	x	ls t	he Sampled A	rea	
Hydric Soil Present? Yes No	X	wit	hin a Wetland?	? Yes	No <u>X</u>
Wetland Hydrology Present? Yes No	×				
Remarks:	lante				
VEGETATION – Ose scientific fiames of p		Dominant		1	
Tree Stratum (Plot size: 30'x30')	% Cover	Species?	Status	Dominance Te	st worksheet:
1. Pinus ponderosa	20	Yes	FACU	Number of Dom	inant Species That
2				Are OBL, FACV	V, or FAC:1(A)
3				Total Number o	f Dominant Species
4				Across All Strat	a: <u> </u>
Sanling/Shruh Stratum (Plot size: 15'y15')	20	=Total Cove	r	Percent of Dom	inant Species That
1 Salix exigua	7	Yes	FACW		10.178 (AB)
2 Rosa woodsii	15	Yes	FACU	Prevalence Ind	ex worksheet:
3.				Total % Co	over of: Multiply by:
4.				OBL species	0 x 1 = 0
5.				FACW species	7 x 2 = 14
	22	=Total Cove	er	FAC species	0 x 3 = 0
Herb Stratum (Plot size: 5'x5')				FACU species	62 x 4 = 248
1. Schizachyrium scoparium	12	Yes	FACU	UPL species	27 x 5 = 135
2. Pascopyrum smithii	15	Yes	FACU	Column Totals:	<u>96</u> (A) <u>397</u> (B)
3. Bouteloua gracilis	12	Yes	UPL	Prevalence	Index = B/A =4.14
4. Muhlenbergia montana	10	No			
5. Artemisia frigida	5	No		Hydrophytic Ve	egetation Indicators:
6. Other forbs	10	No		1 - Rapid Io	est for Hydrophytic Vegetation
/				2 - Dominar	The Test is $>50\%$
0					ogical Adaptations ¹ /Provide supporting
9 10			_	data in R	emarks or on a separate sheet)
11.				5 - Wetland	Non-Vascular Plants ¹
	64	=Total Cove	er	Problematic	: Hydrophytic Vegetation ¹ (Explain)
<u>Woody Vine Stratum</u> (Plot size: <u>30'x30'</u>) 1.				¹ Indicators of hy be present, unle	vdric soil and wetland hydrology must
2.					. F
		=Total Cove	er	Vegetation	
% Bare Ground in Herb Stratum 36				Present?	Yes No_X
Remarks:					

SOIL

Denth	ription: (Describe to the	depth needed to docu	ument the indica	tor or c	onfirm the	absence of ind	icators.)	
Deptn (inches)				1 2			Demento	
(inches)			<u>%</u> Type	LOC	Tex		Remarks	
0-3	2.5Y 2.5/1 100)	<u> </u>		Sar	ndy	Sandy loam	
3-10	2.5Y 4/2 100)			Loamy/	Clayey	Loamy sand	
10-24	2.5Y 4/4 100)			SandyGravelly san			
		_						
¹ Type: C=Cc	ncentration. D=Depletion.	RM=Reduced Matrix. C	CS=Covered or C	 pated Sa	nd Grains.	² Location:	PL=Pore Lining, M=I	Matrix.
Hydric Soil I	ndicators: (Applicable to	all LRRs, unless othe	erwise noted.)			Indicators for	Problematic Hydric	Soils ³ :
Histosol ((A1)	Sandy Gle	yed Matrix (S4)			2 cm Muck	(A10) (LRR A, E)	
Histic Ep	ipedon (A2)	Sandy Red	dox (S5)			Iron-Manga	anese Masses (F12)	(LRR D)
Black His	stic (A3)	Stripped N	latrix (S6)			Red Parent Material (F21)		
Hydroger	n Sulfide (A4)	Loamy Mu	icky Mineral (F1)	(except	MLRA 1)	Very Shall	ow Dark Surface (F22	2)
1 cm Mud	ck (A9) (LRR D, G)	Loamy Gle	eyed Matrix (F2)			Other (Exp	olain in Remarks)	
Depleted	Below Dark Surface (A11)	Depleted M	Matrix (F3)					
Thick Da	rk Surface (A12)	Redox Dar	rk Surface (F6)			³ Indicators of h	ydrophytic vegetatior	n and
Sandy M	ucky Mineral (S1)	Depleted [Dark Surface (F7)			wetland hy	drology must be pres	ent,
2.5 cm M	lucky Peat or Peat (S2) (LI	RR G) Redox Dep	pressions (F8)			unless dist	urbed or problematic	•
Restrictive L	ayer (if observed):							
Type:	N/A							
, <u>_</u>								
Depth (in	ches):				Hydric So	oil Present?	Yes	<u>No_X</u>
Depth (in Remarks:	ches):				Hydric So	oil Present?	Yes	<u>No ×</u>
Depth (in Remarks:	ches):				Hydric So	bil Present?	Yes	No <u>×</u>
Depth (in Remarks: HYDROLO Wetland Hyd	ches): GY Irology Indicators:				Hydric So	bil Present?	Yes	No <u>×</u>
Depth (in Remarks: HYDROLO Wetland Hyd Primary Indic	ches): GY Irology Indicators: ators (minimum of one is r	equired; check all that a	apply)		Hydric So	bil Present?	Yes	No X
Depth (in Remarks: HYDROLO Wetland Hyd Primary Indic Surface V	ches): GY Irology Indicators: ators (minimum of one is r Water (A1)	equired; check all that a	apply) ined Leaves (B9)	(except	Hydric So	<u>Secondary Ind</u>	Yes icators (2 or more rec ined Leaves (B9) (ML	No <u>×</u> juired) .RA 1, 2
Depth (in Remarks: HYDROLO Wetland Hyd Primary Indic Surface V High Wat	Ches): GY frology Indicators: ators (minimum of one is r Nater (A1) ter Table (A2)	equired; check all that a Water-Stai MLRA	apply) ined Leaves (B9) 1, 2, 4A, and 4B)	(except	Hydric So	<u>Secondary Indi</u> Water-Stai	Yes icators (2 or more rec ined Leaves (B9) (ML d 4B)	No <u>×</u> juired) .RA 1, 2
Depth (in Remarks: HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturatio	ches): GY frology Indicators: ators (minimum of one is r Nater (A1) ter Table (A2) n (A3)	equired; check all that a Water-Sta MLRA Salt Crust	apply) ined Leaves (B9) 1, 2, 4A, and 4B) (B11)	(except	Hydric So	<u>Secondary Ind</u> Water-Stai Drainage F	Yes icators (2 or more rec ined Leaves (B9) (ML d 4B) Patterns (B10)	No <u>×</u> juired) .RA 1, 2
Depth (in Remarks: HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturatio Water Ma	ches): GY Irology Indicators: ators (minimum of one is r Nater (A1) ter Table (A2) n (A3) arks (B1)	equired; check all that a Water-Stai MLRA Salt Crust Aquatic Inv	apply) ined Leaves (B9) 1, 2, 4A, and 4B) (B11) vertebrates (B13)	(except	Hydric So	Secondary Indi Water-Stai Drainage F	Yes icators (2 or more rec ined Leaves (B9) (ML d 4B) Patterns (B10) n Water Table (C2)	No <u>×</u> juired) .RA 1, 2
Depth (in Remarks: HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturatio Water Ma Sediment	ches): GY Irology Indicators: ators (minimum of one is r Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2)	equired; check all that a Water-Stat MLRA Salt Crust Aquatic Inv Hydrogen	apply) ined Leaves (B9) 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1	(except	Hydric So	Secondary Indi Water-Stai Urainage F Dry-Seaso Saturation	Yes icators (2 or more rec ined Leaves (B9) (ML d 4B) Patterns (B10) n Water Table (C2) Visible on Aerial Ima	<u>uired)</u> RA 1, 2
Depth (in Remarks: HYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Dept	Ches): GY Irology Indicators: ators (minimum of one is r Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3)	equired; check all that a Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F	apply) ined Leaves (B9) 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1 Rhizospheres on I	(except	Hydric So bots (C3)	Secondary Ind Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph	Yes icators (2 or more rec ined Leaves (B9) (ML d 4B) Patterns (B10) in Water Table (C2) Visible on Aerial Ima ic Position (D2)	No <u>×</u> <u>quired)</u> .RA 1, 2 gery (C9)
Depth (in Remarks: HYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Depu Algal Mat	GY Irology Indicators: ators (minimum of one is r Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4)	equired; check all that a Water-Stai MLRA Salt Crust Aquatic Im Hydrogen Oxidized F Presence o	apply) ined Leaves (B9) 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1 Rhizospheres on I of Reduced Iron ((except) iving Rc (C4)	Hydric So bots (C3)	Secondary Indi Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad	Yes icators (2 or more rec ined Leaves (B9) (ML d 4B) Patterns (B10) n Water Table (C2) Visible on Aerial Ima ic Position (D2) quitard (D3)	No <u>×</u> <u>quired)</u> .RA 1, 2 gery (C9)
Depth (in Remarks: HYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Depu Algal Mat Iron Depo	Ches): GY Irology Indicators: ators (minimum of one is r Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5)	equired; check all that a Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence o Recent Iro	apply) ined Leaves (B9) 1, 2, 4A, and 4B (B11) vertebrates (B13) Sulfide Odor (C1 Rhizospheres on I of Reduced Iron (n Reduction in Ti	(except) Living Rc C4) Iled Soils	bots (C3)	Secondary Indi Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr	Yes <u>icators (2 or more rec</u> ined Leaves (B9) (ML d 4B) Patterns (B10) n Water Table (C2) Visible on Aerial Ima ic Position (D2) quitard (D3) ral Test (D5)	No <u>×</u> <u>auired)</u> .RA 1, 2 gery (C9)
Depth (in Remarks: HYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S	GY Irology Indicators: ators (minimum of one is r Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) psits (B5) Soil Cracks (B6)	equired; check all that a Water-Stat MLRA Salt Crust Aquatic Inv Aquatic Inv Hydrogen Oxidized F Presence o Recent Iro Stunted or	apply) ined Leaves (B9) 1, 2, 4A, and 4B) (B11) vertebrates (B13) Sulfide Odor (C1 Rhizospheres on I of Reduced Iron (in Reduction in Ti Stressed Plants	(except iving Rc (C4) (D1) (LF	Hydric Sa bots (C3) s (C6) R A)	Secondary Indi Water-Stai 4A, and Drainage F Dry-Seaso Saturation Geomorph Shallow Ad FAC-Neutr Raised An	Yes icators (2 or more rec ined Leaves (B9) (ML d 4B) Patterns (B10) n Water Table (C2) Visible on Aerial Ima ic Position (D2) quitard (D3) ral Test (D5) t Mounds (D6) (LRR)	No <u>×</u> <u>quired)</u> .RA 1, 2 gery (C9) A)
Depth (in Remarks: HYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Linundatio	GY frology Indicators: ators (minimum of one is r Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) m Visible on Aerial Imager	equired; check all that a Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence o Recent Iro Stunted or y (B7)Other (Exp	apply) ined Leaves (B9) 1, 2, 4A, and 4B (B11) vertebrates (B13) Sulfide Odor (C1 Rhizospheres on I of Reduced Iron (on Reduction in Ti Stressed Plants olain in Remarks)	(except) _iving Rc C4) Iled Soils (D1) (LF	bots (C3) s (C6)	Secondary Ind Water-Stai 4A, and Dry-Seaso Saturation Geomorph Shallow Ac FAC-Neutr Raised Ani Frost-Heav	Yes icators (2 or more red ined Leaves (B9) (ML d 4B) Patterns (B10) in Water Table (C2) Visible on Aerial Ima ic Position (D2) quitard (D3) ral Test (D5) t Mounds (D6) (LRR . ve Hummocks (D7)	No <u>×</u> <u>quired)</u> .RA 1, 2 gery (C9) A)

Sparsely vegetated C	oncave Surface	(B8)			
Field Observations:					
Surface Water Present?	Yes	No <u>x</u>	Depth (inches):		
Water Table Present?	Yes	No x	Depth (inches):		
Saturation Present?	Yes	No x	Depth (inches):	Wetland Hydrology Present? Yes	No X
(includes capillary fringe)					
Describe Recorded Data (stream gauge, i	monitoring well, ae	rial photos, previous insp	ections), if available:	
Remarks:					



Appendices

APPENDIX D:

OHWM DELINEATION DATA FORM

		Print Form	Save As E-		E-mail		
U.S. Army Corps of Engineers (USACE) Form Approved -							
INTERIM DRAFT RAPID ORDINARY HIGH WATER MARK (OHWM) FIELD OMB No. 0710-0025							
IDENTIF The proponent agence	y is Headquarters USACE C	ECW-CO-R.		Exp	oires: 01-31-2025		
AGENCY DISCLOSURE NOTICE							
The public reporting burden for this collection of information, 0710-OHWM, is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at <u>whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil</u> . Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.							
Project ID #: Site	e Name: Arrova Lane Road	d Expansion	Date and Tir	ne: 5/4/2	23. 10:43AM		
Location (lat/long): 38.983692°N, -104.6623	77°W In	ovestigator(s): Dan May	nard, Emily De	eAlto			
Step 1 Site overview from remote and online reso Check boxes for online resources used	ources d to evaluate site:	Describe land use	e and flow cond cent extreme eve	itions fro	om online resources. ds or drought)?		
gage data LiDAR	geologic maps	No, no extreme	events. Rainier	than no	ormal spring thus		
climatic data satellite imagery	land use maps	far, according to	Antecedent Pr	ecip. To	ool		
aerial photos topographic maps	Other:						
Step 2 Site conditions during field assessment. First look for changes in channel shape, depositional and erosional features, and changes in vegetation and sediment type, size, density, and distribution. Make note of natural or man-made disturbances that would affect flow and channel form, such as bridges, riprap, landslides, rockfalls etc. The location is within the fluvial plain of Sand Creek, downgradient from the culvert under Arroya Lane. There is no change in sediment visible, no change in							
vegetation, and no topographic shifts within the floodplain at all. There is no flowing water, no water table, no defined bed or banks. Step 3 Check the boxes next to the indicators used to identify the location of the OHWM. OHWM is at a transition point, therefore some indicators that are used to determine location may be just below and above the OHWM. From the dron-down menu next to each indicator, colort the appropriate location of the indicator by colorting other just below and above the OHWM.							
just above `a' the OHWM. Go to page 2 to describe overall rationale	e for location of OHWM, write	any additional observati	ons, and to attacl	n a photo	log.		
Geomorphic indicators							
Break in slope:	Channel bar:		erosion	al bedloa	ad indicators		
on the bank:	shelving (berms)	on bar:	smooth	ing, etc.)	namo, occur,		
undercut bank:	unvegetated:		Secondary	/ channe	els:		
valley bottom:	vegetation transit	tion	Sediment indic	ators			
	sediment transition	on	Soil deve	lopment	:		
	(go to sed. indica	ators) position	Changes in character of soil:				
	on bar:	Mudcracks:					
shelf at top of bank:	bedload transport ev	Changes in particle-sized distribution:					
natural levee:	(e.g., imbricated	l clasts,	transition from to				
man-made berms or levees:	gravel sheets, et	gravel sheets, etc.) upper limit of sand-siz					
berms:	riffles, steps, etc.):	silt de	posits:			
Vegetation Indicators							
Change in vegetation type and/or density:	forbs to:		Exposed	l roots b il laver	elow		
Check the appropriate boxes and select	graminoids to:	-	Ancillary indica	tors			
the general vegetation change (e.g., graminoids to woodv shrubs). Describe	woody	ninoida 🖵	Wracking	/presend	ce of		
the vegetation transition looking from	shrubs to: ^{gran}			tter:	wood		
the middle of the channel, up the banks, and into the floodplain.	trees to:		Leaf litter	disturb	ed or		
	coniferous trees to:		washed a	way:			
absent to:	Vegetation matted o	down	Water sta	ining:			
moss to:			Weathere	d clasts	or bedrock:		
Other observed indicators? Describe:							

		Print Form	Save As	E-mail					
Project ID #:									
Step 4 Is addition	nal information needed to support this determination?	s 🔀 No If yes, o	lescribe and attach infor	mation to datasheet:					
Step 5 Describe rationale for location of OHWM There was no indication of an OHWM present. Sand Creek is a broad floodplain at this location, perhaps 100-115 feet wide. The edges of this floodplain are obvious based on two criteria: shifts in topography and vegetation. Vegetation is dominated by sandbar willlows throughout the floodplain. These end at the edge of the floodplain/toe of slope and immediately transition to gramminoids. The slightest gain in elevation is enough to transition to gramminoids and away from woody veg. Importantly, the same gramminoids are present in the floodplain as an understory to the willows. The topographic shift at the toe of slope in not particularly notable. There is no evidence of scour or sediment changes, and no shift in the gramminoid layer (which would be typical at the OHWM break).									
Additional obse	rvations or notes								
See above, a	and see photos of the floodplain. No bed, no be	anks, no water or e	vidence of convey	ance except in					
extreme eve	nts, no sediment changes. The are within the f	loodplain is a wetl	and, but there is n	o OHWM					
Attach a photo lo	g of the site. Use the table below, or attach separately								
Photo	log attached? X Yes No If no, explain why no	t:							
List photograph	ns and include descriptions in the table below.								
Number photog	graphs in the order that they are taken. Attach photogra	phs and include annot	ations of features.						
Photo Number	Photograph description								
1	Scrub-shrub wetlands in the floodplain of Sand Creek. Toe of	slope and vegetation sh	ifts clearly visible. No O⊦	IWM present					
2	Broader view of wetlands in the Sand Creek floodplain showi	ng the mild topography							
3	Wetlands north of Arroya Lane, similar to the prior photos. To	e of slope obvious, and v	veg changes are clear, b	ut OHWM is lacking.					
4	View of the culvert under Arroya Lane looking north. No char	nelization or bed/banks.							
5	View looking south of Arroya at the other end of the culvert.	Nothing to indicate an OH	WM, just a broad, unifor	m fluvial plain.					