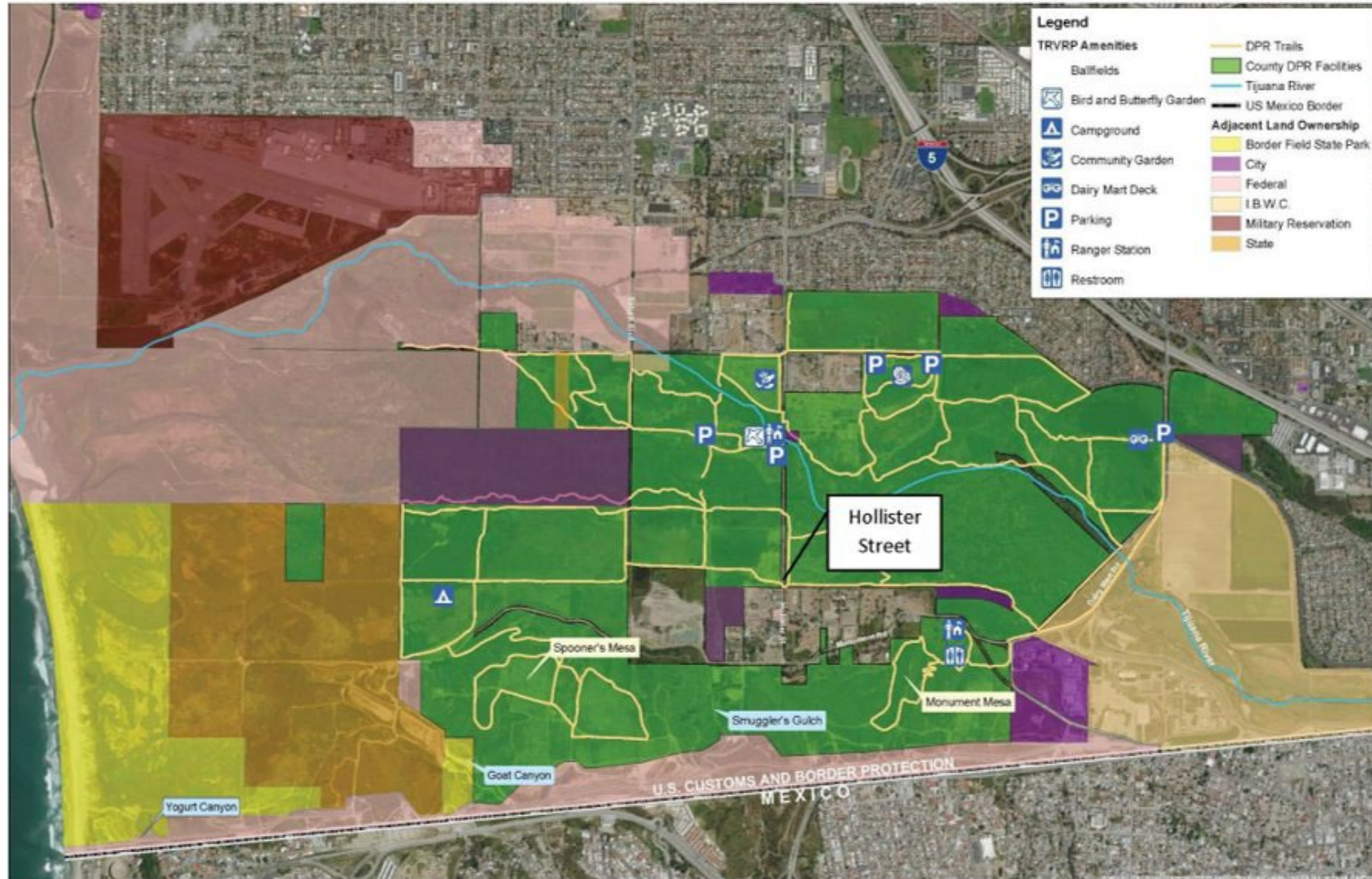




Tijuana River Valley Habitat Restoration Plan



Tijuana River Valley Overview



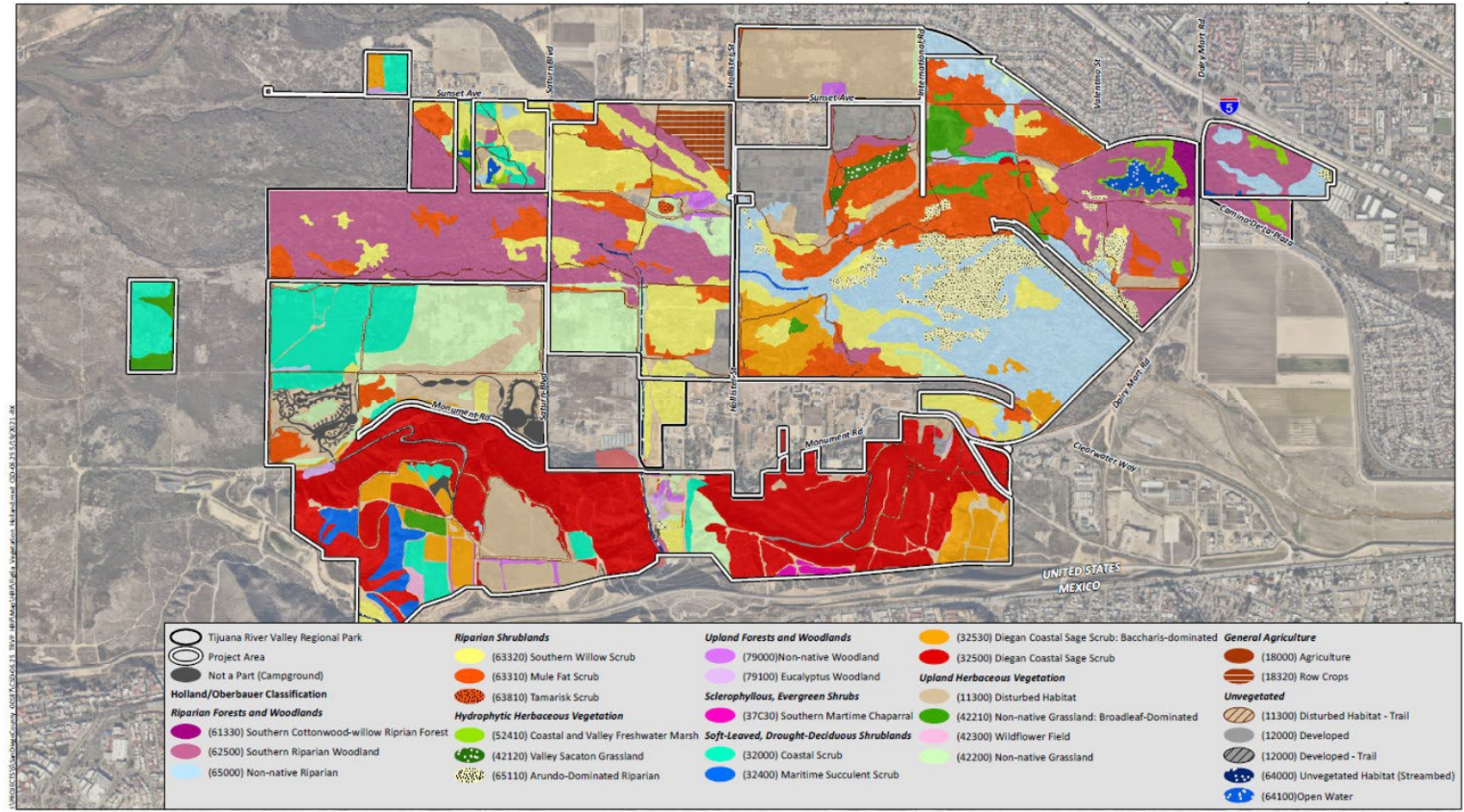


Overview

- Goal of the TRV HRP is to identify, prioritize through phasing, and implement, large-scale restoration throughout the TRVP on properties that are County-owned.
- Breaks work opportunities out into multiple phases.
- Provides baseline work plan “menu” for restoration approaches and components
- Framework provides an opportunity to update restoration approach based on project specifics or changed site conditions.
- Working with other stakeholders to improve the overall ecological health of the Tijuana River Valley.



Vegetation Communities/Habitats in TRVVRP



Aerial Photo: Nearmap (2021)



Vegetation Communities/Habitats (Holland/Oberbauer)

Figure 6a

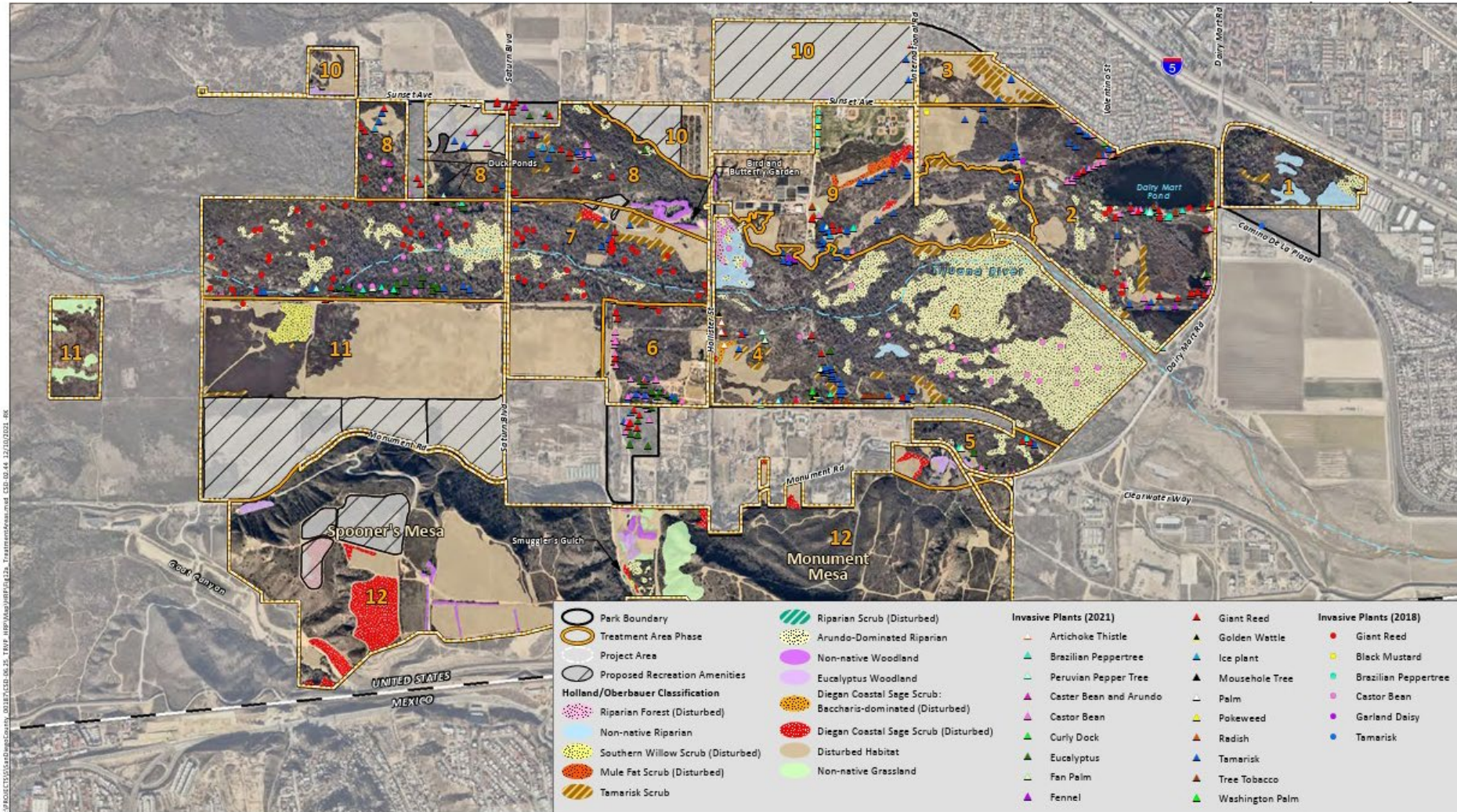


Habitat Restoration and Revegetation Methods

- Site-specific execution plans will be developed for each phase of the restoration efforts using the framework outlined in the HRP.
- For each phase of restoration work, a general field survey will be conducted to confirm conditions within and immediately adjacent to the phase location are consistent with the biological mapping.
- If conditions have changed, the baseline mapping will be updated.
- The site will also be evaluated for its ability to support special status species identified in the baseline mapping.



Phases for Treatment Areas



Aerial Photo: Nearmap 2021



Treatment Areas

HRP Baseline Work Plan “Menu”

Table 6
FLOW CHART LISTING STEP-BY-STEP PROCESS FOR IMPLEMENTATION OF THIS HRP

Flow Chart Listing Step-by-Step Process for Implementation of this HRP	
Project Identification/ Phasing	Ongoing, Dependent on funding Site Characterization/ Baseline Surveys
Execution Plan development	Within 60 days of project Identification/ Phase development
Pre-Restoration Implementation Activities	
Vegetation Impact Avoidance and Minimization	Prior to contractor mobilization and throughout construction phase
Soil and Plant Salvage and Storage	Plants: Spring or Fall (or as proper for target species) Soil: At site grading initiation
Restoration Implementation Activities	
Trash and Debris Removal	Prior to soil work or planting activities
Weed Removal	Spring/Summer (or as proper for target species)
Soil Decompaction	Prior to planting or seeding
Soil Recontouring	Prior to planting or seeding
Spread of Salvaged Topsoil	Prior to planting or seeding
Seeding	Fall/Winter
Nursery Stock Planting	Fall/Winter
Watering	In conjunction with planting, and as needed throughout establishment and maintenance period
Erosion Control	Fall/Winter/Spring as needed
Post- Implementation Maintenance Activities	
Weed Removal	Spring/Summer (or as proper for target species) as needed
Erosion Control	Fall/Winter/Spring as needed
Watering	As needed in planted areas only for plant establishment



HRP Baseline Work Plan “Menu”

Table 7
RESTORATION MEASURES AND CONSIDERATIONS FOR IMPLEMENTATION¹

Prescriptive conditions	Herbicide treatment	Hand removal	Mowing	Mechanized clearing	Topographic modifications	Planting	Seeding	Erosion control	Solarization
Constraint	Primary (year-round)								
Cultural Resource Site	Yes	Yes	Yes	Buffer	Buffer	Monitor	Yes	Yes	Yes
Sensitive Wildlife Species Presence	Yes	Yes	Buffer	Buffer	Buffer	Yes	Yes	Yes	Buffer
Invasive Non-native pest (i.e., insect/pathogen)	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes
Existing Sensitive Vegetation	Yes	Yes	Yes	Buffer	Buffer	Yes	Yes	Yes	No



Match the Project Phase to the Grant Opportunity

Phase	Invasive Species Control	Water Quality	Least Bell's Vireo Habitat Restoration	Other Sensitive Species	Corridor/Habitat Connectivity	Watershed Position	Open Water Habitat	Southern Willow Scrub	Mulefat Scrub	Other Habitats	Site Access	Seasonal Constraints	Stakeholder Interest
1	GR, SC, NNIS	Yes	Yes	No	Yes	Upper	No	Yes	No	No	Poor	Yes	TBD
2	GR, M, GD, NNIS	Yes	Yes	Yes	Yes	Upper	Yes	Yes	Yes	Yes	Fair	Yes	TBD
3	SC, M, GD, NNIS	No	Yes	No	No	Upper	No	Yes	Yes	Yes	Good	Yes	TBD
4	GR, SC, CB, NNIS	Yes	Yes	Yes	Yes	Middle	Yes	Yes	No	No	Poor	Yes	TBD
5	GR, SC, E, NNIS	No	Yes	Yes	Yes	Middle	No	Yes	Yes	Yes	Good	Yes	TBD
6	GR, SC, GD, NNIS	No	Yes	No	Yes	Lower	No	Yes	Yes	Yes	Good	No	TBD
7	GR, SC, CB, NNIS	Yes	Yes	Yes	Yes	Lower	Yes	Yes	No	No	Poor	Yes	TBD
8	E, SC, GD, NNIS	Yes	Yes	Yes	Yes	Lower	Yes	Yes	Yes	Yes	Good	Yes	TBD
9	GD, M, GR, SC, NNIS	No	Yes	Yes	Yes	Middle	No	Yes	Yes	Yes	Good	Yes	TBD
10	E,	No	No	Yes	No	Middle	No	No	No	Yes	Good	No	TBD
11	M, NNIS, SC	No	No	Yes	Yes	Lower	No	No	Yes	Yes	Good	No	TBD
12	GD, M, SC, NNIS, E	No	No	Yes	Yes	Middle-Lower	No	Yes	No	Yes	Good	Yes	TBD



Next Steps

- Continue habitat restoration for areas that do not require permits
- Permitting
- Funding Opportunities



Questions?



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