



Idaho Transportation Department

Native Plant & Pollinator Projects

*Cathy Ford Statewide Program
Manager*



Snake River Rest Area Native
Plant Garden

Bliss Rest Area Pollinator Garden



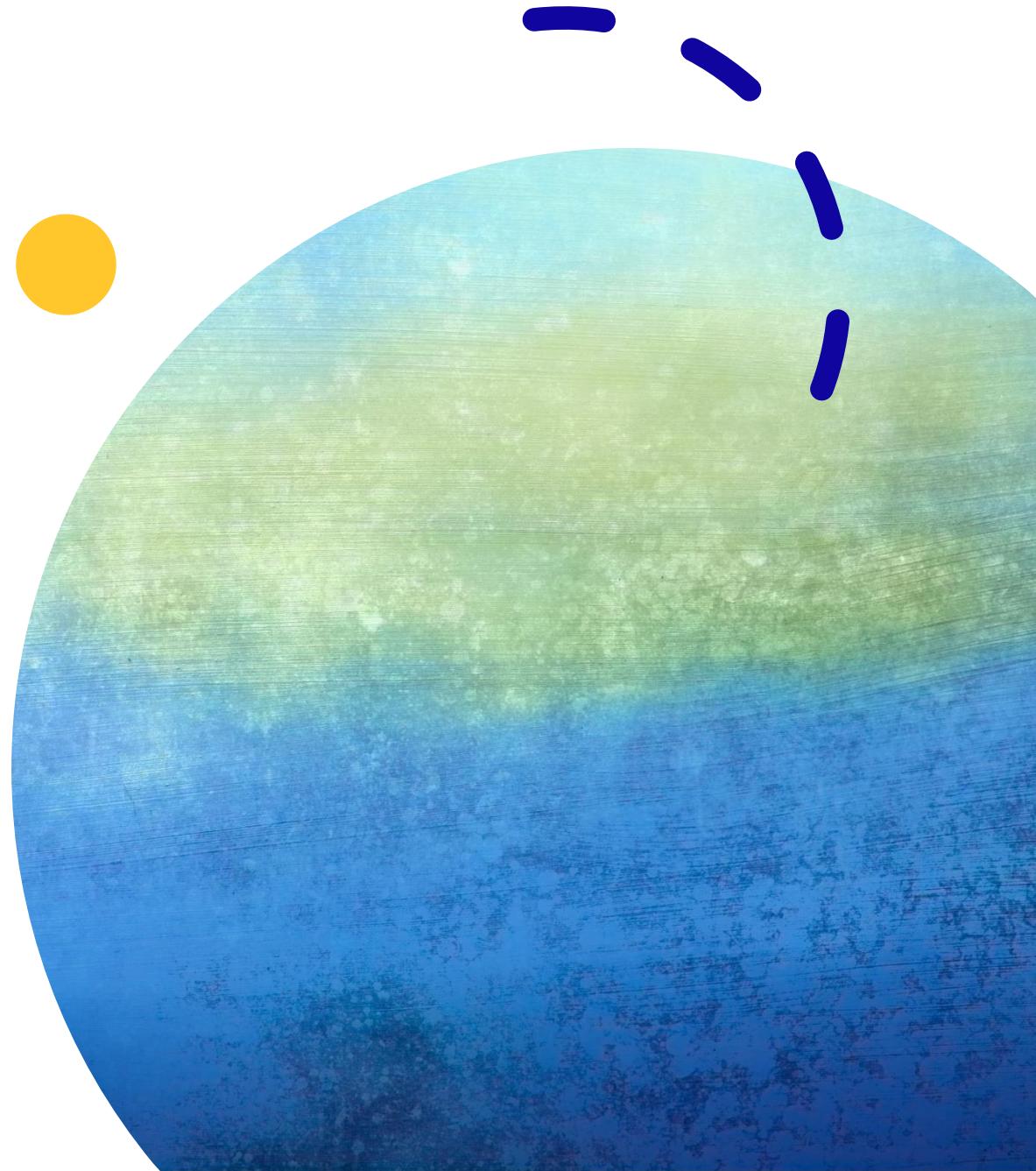
Idaho Arid Regions

- Southern Idaho is part of the Intermountain West (Region) and include several ecoregions.
- The intermountain west is located between the front ranges of the Rocky Mountains on the east and the Cascade Range and Sierra Nevada on the west.
- The topography consists of the Great Basin which is the largest area of contiguous endorheic watersheds in North America.
 - It spans nearly all of Nevada, much of Oregon and Utah, and portions of California, Idaho, and Wyoming.
 - It is noted for both its arid climate and the basin and range topography.
 - The region spans several physiographic divisions, biomes, ecoregions, and deserts.
- The flora at lower elevations includes deserts and xeric shrublands and temperate grasslands and shrublands biome vegetation.
- Higher elevation montane habitats include temperate coniferous forests biome vegetation, including groves and forests of various species of pine, cedar, juniper, aspen, and other trees, and understory shrubs, & perennials

Pollinator Partnerships & Funding

The Westbound Bliss Rest Area, I-84, Idaho

- A partnership with the Bureau of Land Management (BLM) and the US Fish and Wildlife Service (USFWS) & ITD District Four Office
 - Create a pollinator garden and provide public awareness
 - Funding from USFWS & BLM; resources and materials from ITD;
 - landscape plan and installation by Living Earth LLC.
 - Partnerships like this are necessary to leverage funding, knowledge and resources that one partner alone might not have.
 - The Bliss Rest Area on I-84 in Idaho is buzzing with pollinators, demonstrating to the traveling public what is possible in an arid region of Idaho.



Bliss RA Pollinator Garden Design

COMMON NAME		BOTANICAL NAME	QTY
FLOWER, GRASS			
GREEN GREAT BASIN WILDRYE		LEYMUS CINEREUS	3
GREEN SAND DROPSEED		SPOROBOLUS CRYPTANDRUS	5
FLOWER, PERENNIAL			
PURPLE BEE BALM		MONARDA MENTHAEFOLIA 'NATIVE ROOTS'	5
PURPLE GIANT PURPLE SAGE		SALVIA PACHYPHYLLA 'NATIVE ROOTS'	5
GREEN GOLDENEYE		VIGUERIA DENTATA	3
PURPLE GOLDENROD		SOLIDAGO VIRGAUREA	3
PURPLE HOARY TOWNSEND'S DAISY		TOWNSENDIA INCANA 'NATIVE ROOTS'	3
GREEN INDIAN RICEGRASS		ORYZOPSIS HYMENOIDES	3
GREEN ORANGE GLOBEMALLOW		SPHAERALCEA MUNROANA 'NATIVE ROOTS'	3
RED PENSTEMON, FIRECRACKER		PENSTEMON EATONI	4
PURPLE PENSTEMON, SAGEBRUSH		PENSTEMON SPECIOSUS	3
PURPLE PENSTEMON, SAND-DUNE		PENSTEMON ACUMINATUS	3
PURPLE ROCKY MOUNTAIN PENSTEMON		PENSTEMON STRICTUS 'NATIVE ROOTS'	3
GREEN SNAKEWEED, BROOM		GUTIERREZIA SAROTHRAE	3
GREEN SULFER-FLOWER BUCKWHEAT		EROGONUM UMBELLATUM VAR. DICHROCEPHALUM	6
PURPLE THREADLEAF GIANT HYSSOP		AGASTACHE RUPESTRIS 'NATIVE ROOTS'	3
PURPLE TUFTED EVENING PRIMROSE		ENOOTHERA CAESPITOSA 'NATIVE ROOTS'	3
SHRUB, DECIDUOUS			
GREEN DESERT FERNBUSH		CHAMAEBATIARIA MILEFOLIUM 'NATIVE ROOTS'	2
RED MILKWEED, BUTTERFLY		ASCLEPIAS TUBEROSA	5
GREEN RUBBER RABBITBRUSH		CHRYSOTHAMNUS NAUSEOSUS	3
SHRUB, EVERGREEN BROADLEAF			
PURPLE CURL LEAF MOUNTAIN MAHOGANY		CERCOCARPUS LEDIFOLIUS 'NATIVE ROOTS'	3
TREE, DECIDUOUS			
GREEN ASH, MOUNTAIN		SORBUS AUCUPARIA	1



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BLISS REST AREA WEST BOUND LANDSCAPE

IDAHO TRANSPORTATION DEPARTMENT I-84 AT MILEPOST 133, WEST BOUND
CATHY.FORD@IDAHOGOV. OFFICE: (208) 334-8416 CELL: (208) 841-4978

SITE PLAN - PHASE 1



SCALE

11" X 17" SHE
1" = 2Ø.72

NO	
	INITIAL DESIGN

NO	
1	REVISED PER C
2	REVISED PER C
3	
4	
5	
6	

SHEET

L2

Bliss Rest Area Pollinator Garden

- Site Implementation Plan
 - Weed Abatement: removal of grass and weeds
 - Site Preparation
 - Gravel or decomposed granite mulch
 - Plant native Idaho plants with a mix of colors, bloom times, different heights
- Site Preparation
 - Weed removal
 - Path outlined
 - Install drip system – temporary watering 2-3 years
- Planting and Mulch
- Weed Management



Project Completed Fall 2018



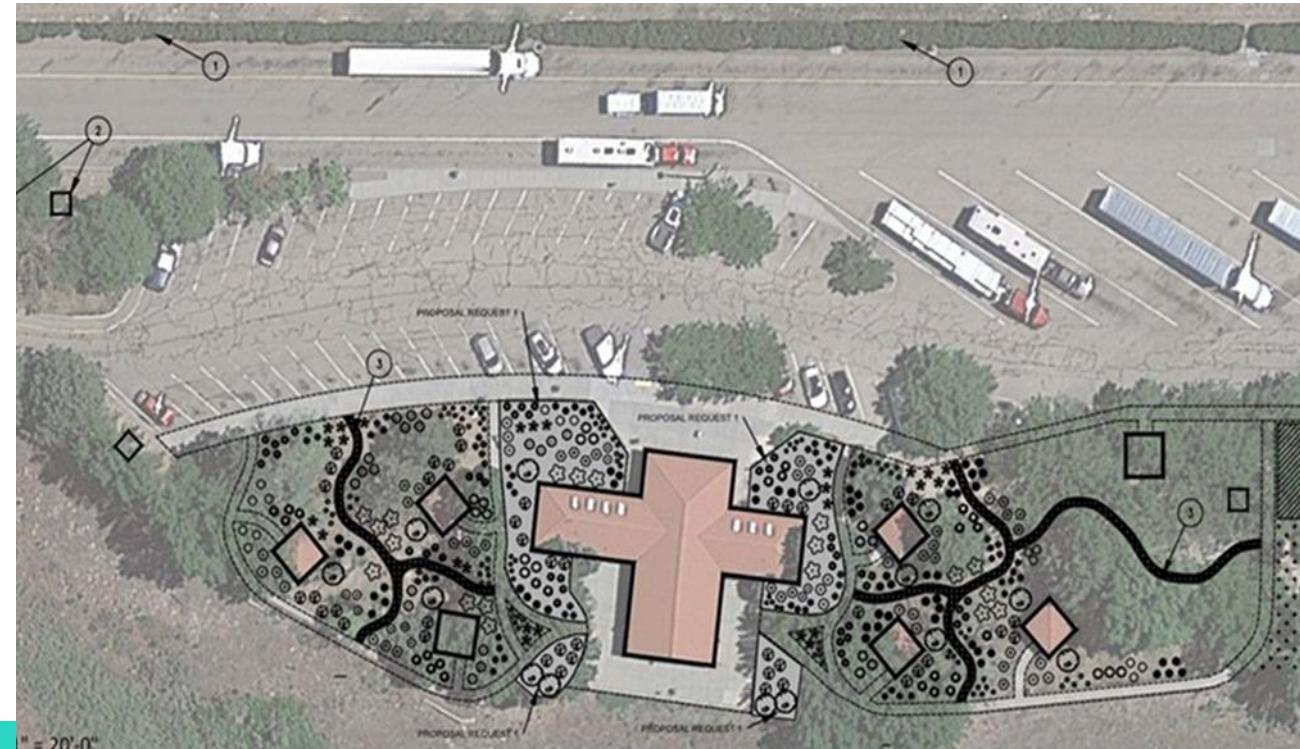


Summer 2021



Column1	2401 ITD Snake River Rest Stop Plants	Column2	Column3
Quantity	Type	Size	Sub Suggestion
6	Curl Leaf Mountain Mahogany/Cercocarpus Ledifolius	5gl	Cotoneaster a
18	Broom Snakeweed/Gutierrezia Sarothraea	1gl	Forsythia Sho
11	Goldenrod/Solidago Virgaurea	1gl	Solidago c Gol
10	Indian Ricegrass/Oryzopsis Hymenoides	1gl	Grass Festuca
10	Goldeneye/Viguiera Dentata	1gl	Coreopsis Nan
14	Sagebrush Penstemon/Penstemon Speciosus	1gl	Penstemon Pil
4	Orange Globemallow/Sphaeralcea Munroana	1gl	Geum Fireston
5	Threadleaf Giant Hyssop/Agastache Rupestris	1gl	Agastache Sur
6	Desert Fernbush/Chamaebatiaria Millefolium	1gl	Spiraea pr Brid
12	Hoary Townsends Daisy/Townsendia Incana	1gl	Cerastium Snd
6	Rocky Mountain Penstemon/Penstemon Strictus	1gl	Penstemon Ro
6	Great Basin Wildrye/Leymus Cinerus	1gl	Grass Leymus
3	Giant Purple Sage/Salvia Packyphylla	1gl	Agastache Kud
4	Sand Dropseed/Sporobolus Crypandrus	1gl	Grass Schiz Th
6	Bee Balm/Monarda Menthaefolia	1gl	Monarda Pard
2	Firecracker Penstemon/Penstemon Eastonii		
4	Rubber Rabbitbrush/Chrysothamnus Nauseosus		
22	Sulfer-Flower Buckwheat/Eriogonum Umbellatum Dichrocephalum		
6	Turted Evening Primrose/Oenothera Caespitosa		

Snake River Rest Area Native Plant Garden



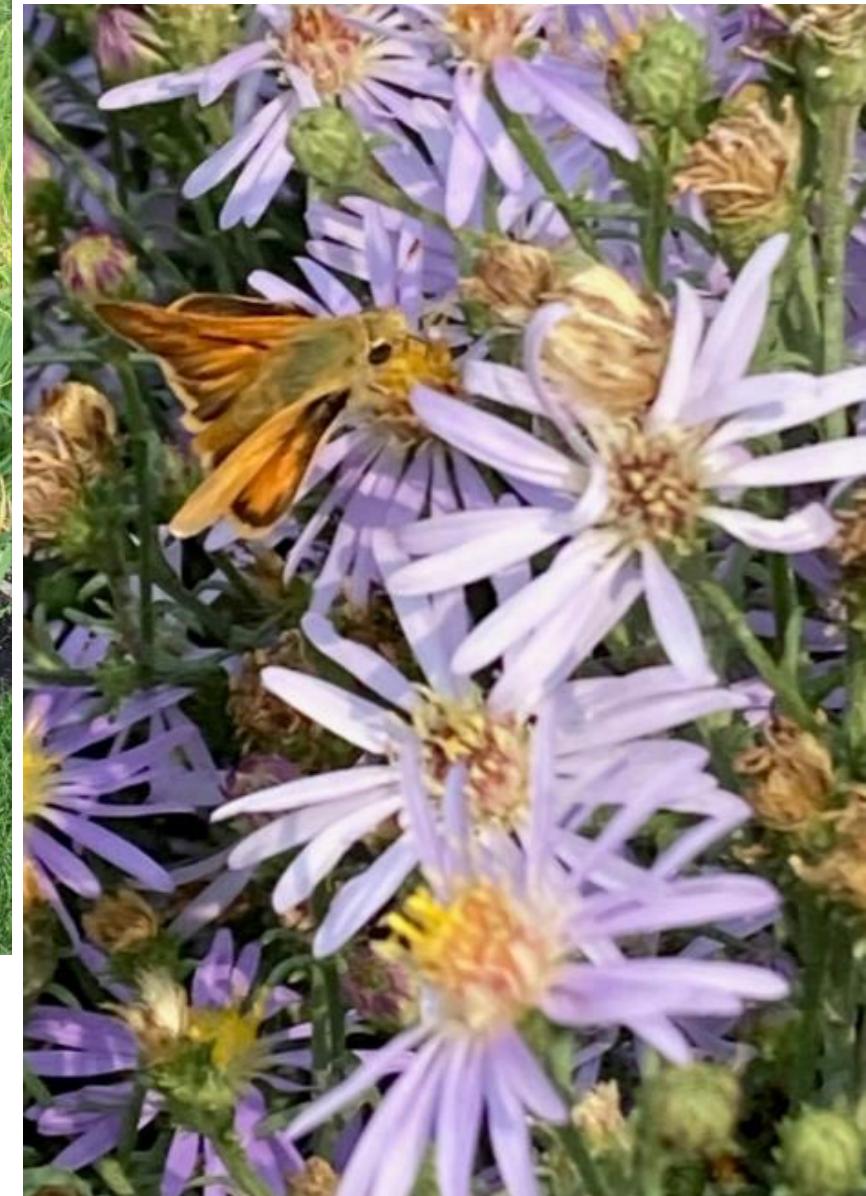






District 5 Pollinator Garden

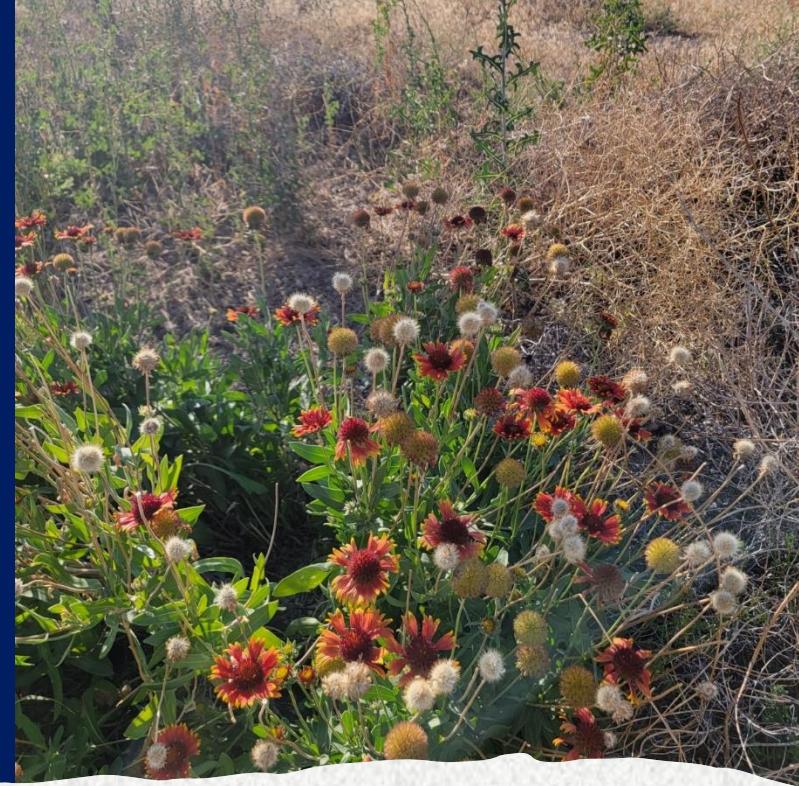






Future Considerations:

- **Beginning of Project**
 - Communicate with Ops teams on new mowing schedule and knowing what natives were planted/seeded.
 - Planning – Decide how to manage garden (no mow zones, reseed, weeding, etc.). This is a work in progress.
 - Communicate agency/department objectives & goals
 - Shifting from traditional veg management practices.
- **Construction**
 - Specify appropriate seed mix and specify locations of plantings.
 - Engage leadership, design & maintenance folks.
 - Engineering and contractors don't really have a dog in the fight – they just want to be able to procure and install materials without extra hassle to the project.
 - **SOIL** – salvage, protection, reuse – building decent soil from scratch, protecting installed work, as well as keeping to the planned **SCHEDULE** in seedbed prep and seeding install.
 - Discuss and agree upon post-install
 - maintenance/stewardship for 1-3 years.



Weed and Site Management
- Need to manage weeds and plan for site maintenance – ongoing