

Sustainability in Prisons Project

2020 Annual Report



Two incarcerated beekeepers check on the hives at the Stafford Creek Corrections Center. In addition to wearing their protective beekeeping gear, technicians also wear face masks for protection against COVID-19. While many programs were suspended during the pandemic, a few were able to continue after careful planning and adaptation to prioritize health and safety. Photo by Joslyn Rose Trivett.



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Sustainability in Prisons Project

2020 Annual Report

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Executive Summary: Sustainability in Prisons Project, July 2019-December 2020

“We all need to learn to work together, just like the honeybees work together for survival. We humans need to work together as one to beat COVID-19.”

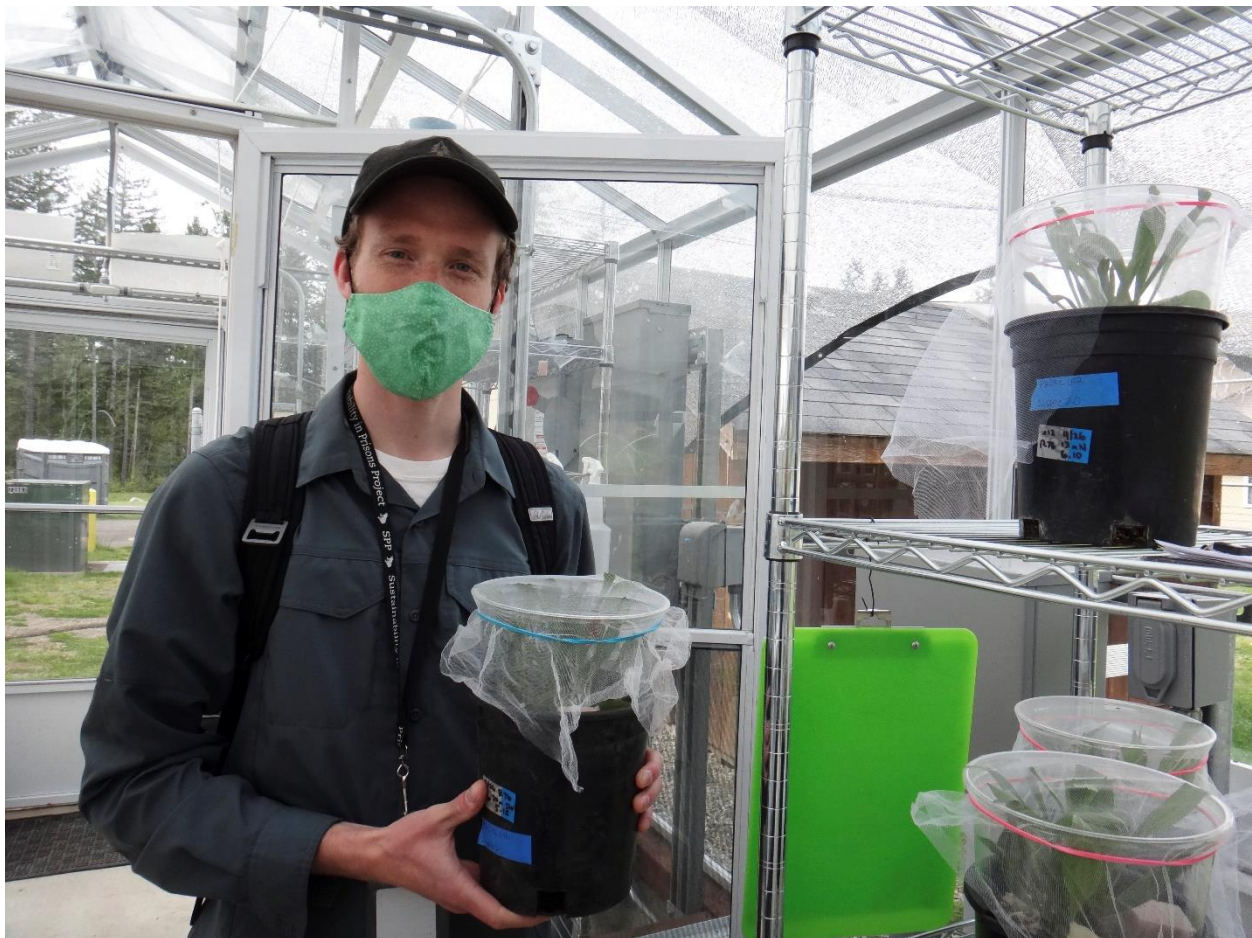
-Incarcerated beekeeper, Yoshio White

This reporting period (July 2019 – December 2020) was marked by many challenges and changes. We can’t describe our work during this time without first acknowledging the significant, global impacts of the COVID-19 pandemic. We acknowledge the loss of life and suffering incarcerated individuals, families, and corrections staff have endured. Human health and safety are our top priority over program operation. As a result, the vast majority of [Sustainability in Prisons Project](#) (SPP) programs were suspended due to the COVID-19 pandemic. We are still supporting operation of a few programs, but only where interactions can be masked, socially distant, primarily outside or in well-ventilated areas, and with access to proper resources for hand washing and cleaning high touch surfaces. We are hopeful that pandemic conditions will improve and that we can emerge from this time with improved ability to support teaching and learning for an increased number of students.



SPP Beekeeping Liaison, Carrie Hersch, holds a heart-shaped honey comb in a photo taken at a hive cleanup day at the Washington Corrections Center for Women. Photo by Shohei Morita.

Despite these tumultuous times, SPP has maintained our commitment to bringing nature, science, and environmental education into prisons. We have adapted our approach as our ability to provide direct support is limited. Over the past year, we have shifted to working remotely and navigated major staffing changes resulting in a smaller team available to respond to new education planning and development needs. During the pandemic, we shifted our focus to developing more peer-led and remote education, COVID-19 planning, program proposals, process improvements, and policy and guidance documents. Through these challenges, SPP and the many partners that make our work possible, have demonstrated resilience, creativity, adaptability, and care. Our work to increase access to empowering sustainability and environmental education is as relevant as ever.



Former SPP Butterfly Technician, Keegan Curry, wears his mask while helping out in the Taylor's checkerspot butterfly program at MCCCW. Photo by Marisa Pushee.

SPP was founded by [Washington Department of Corrections](#) (WA Corrections) and [The Evergreen State College](#) (Evergreen) in 2003, and has grown to include many partners. The full SPP annual report aims to acknowledge all contributing partners and describe all science, environmental education, and sustainability programs in WA prisons. It is more challenging to report on our work given the ongoing pandemic as programs are suspended and some contributors simply didn't have capacity to supply program information similar to previous years. During this reporting period, SPP partners reported **199**

programs and 179 partner organizations statewide. Our executive summary highlights select programs, partnerships, and accomplishments as well as goals for the 2021 calendar year:

Peer-led Gardening Curriculum: SPP and partners completed the first phase of curricula development and launched a new peer-led gardening course at Stafford Creek Corrections Center.

Planning & Organization Improvements: SPP-Evergreen developed multiple process, guidance, and planning template documents to support creation and curation of education materials, organization function, effective program operation, and clarity among partners.

Training & Advising: SPP-Evergreen team requested additional anti-racism/anti-oppression education which was delivered by Evergreen faculty over two days. SPP-Evergreen also hosted a series of advising sessions throughout the pandemic to learn from former program participants and others with the lived experience of incarceration.

Beekeeping: SPP-Evergreen staff curated and delivered monthly beekeeping educational packets to all facilities and helped develop a new scholar-level beekeeping certification in partnership with the Washington State Beekeeping Association (in progress).

New Asset & Sustainable Operations System: WA Corrections has nearly completed transition to a new asset and sustainable operations system to track recycling, waste, energy systems, and facility maintenance. This system will improve reporting and help identify priority projects.

Solar Energy Education: SPP-Evergreen developed a new partnership with Olympia Community Solar that allows donors to sponsor solar energy education packets to be sent to prison facilities.

Policy & Legislation: With WA Corrections support for the concept, SPP-Evergreen developed proposed statewide guidelines for successful peer-led programs in prison (review in progress).

SPP-Evergreen staff drafted new Self-Supporting Program policy for the Evergreen State College to grant college credit to currently incarcerated students successfully completing SPP certificated internships.

SPP-Evergreen contributed to and testified in support of Washington State [House Bill 1044](#), Pathways to Post-Secondary Education in Prisons.

Biomass Boiler Project: WA Corrections secured grant funding to replace the outdated and failing fuel oil hot water heating systems at Larch Corrections Center with a biomass boiler. The project will reduce the facility's net greenhouse gas emissions by an estimated 91%, and will provide an example for other agencies pursuing greenhouse gas reduction goals.

Ecology Education: SPP-Evergreen worked with University of Washington – Tacoma Restoration Ecology faculty and students to develop education materials on Salish lowland prairie ecology.

SPP Short Film: Former SPP Butterfly Program Coordinator and Evergreen Master of Environmental Studies Alum, Keegan Curry, completed a short film featuring interviews with former SPP program participants.

Table 1. Anticipated Programs Highlights, 2021

Program/Project	Partners and facility	Planned outcomes
Adapting & Restarting Programs; Increasing Remote Education	All facilities	Adapting program operation & developing plans for safe restart & operation; increasing opportunities for remote education
Peer-Led Gardening Course	All facilities, incarcerated students, staff sponsors and experts	Enhance gardening curriculum with practicum, more modules on advanced topics & incorporating input from pilot; support start-up of new programs in other prisons
Peer-Led Composting Course	All facilities, incarcerated students, staff sponsors and experts	Working from education content developed for a single facility, develop a peer-led composting course for statewide use
Training & guidance to increase access to fresh produce in prisons	All facilities	Identify education & training on preparing produce for kitchen use; work with partners to develop statewide guidance on increased access to fresh produce; consider apprenticeship & certificates
Expanding Evergreen Education in Prisons	Plan & pilot	Work with partners to propose expansion of established SPP programs to include other Evergreen education services in prisons
Developing Statewide Resources	All facilities and partners	Work w/partners to complete peer-led education policy for DOC & partnership resource document for partner orgs & DOC
Certifications and academic credit	All facilities and academic partners	Award academic credit to currently incarcerated SPP certificated internship students

“Being able to connect with nature in this way, there’s a therapeutic component that comes into that. The science part is your mind working, but the nature part is your body connecting to nature. When you have those two components merged together, you’re working as a whole.”

– Formerly incarcerated partner and Evergreen State College graduate, Carolina Landa

Conclusion

Thank you to everyone who has contributed to SPP during these challenging times. Your support, continued investment, and dedication to this work are much appreciated. This year has proved our resiliency and only strengthened our dedication to empowering environmental and sustainability education for incarcerated students. Our partnerships among incarcerated people, corrections staff, scientists, students, and program partners are impactful, innovative, challenging, and successful. We are dedicated to learning, adapting, and continuous improvement. We remain committed to addressing all stakeholders’ needs. We aim to foster a culture of mutual respect, combine resources to increase capacity, and prioritize education and training. Together we are supporting positive change for individuals, communities, and ecosystems.

“I’m excited to see more programs, and we need more programs like that. We need individuals to feel validated, to feel like they’re successful, to have knowledge, and to gain a skill. That’s how we’re going to change.”

– Formerly incarcerated partner, Liz Louie



A Taylor's checkerspot butterfly rests on top of a flower in the wild. Photo by SPP Staff.

1. Background Information

This report provides information on [Sustainability in Prisons Project](#) (SPP) activities from July 1, 2019 through December 31, 2020. [Washington Department of Corrections](#) (WA Corrections) considers all sustainability initiatives in Washington (WA) prisons to be part of the SPP partnership regardless of which partner(s) leads and operates the program. The primary objective of this document is to update all collaborators and stakeholders on SPP programs and activities. This report represents the most complete information available with current reporting mechanisms.

Scientists, incarcerated people, students, prison staff, and community partners in all 12 Washington prisons work together to change lives and make positive contributions to people and the environment. During this reporting period, partners reported **199 programs and 179 partner organizations**. Working lists of all SPP-WA programs ([Appendix 1](#)) and partners ([Appendix 2](#)) are included to recognize the impressive diversity and number of opportunities offered. [Appendix 3](#) lists common abbreviations.

SPP Mission

The Sustainability in Prisons Project (SPP) is a partnership founded by WA Corrections and [The Evergreen State College](#) (Evergreen). Our mission is to empower sustainable change by bringing nature, science, and environmental education into prisons.

SPP Vision

In response to the dual crises of ecological degradation and mass incarceration, we aim to reduce recidivism while improving human well-being and ecosystem health. SPP brings together incarcerated individuals, scientists, corrections staff, students, and program partners to promote education, conserve biodiversity, practice sustainability, and help build healthy communities. Together, we reduce the environmental, economic, and human costs of prisons.

COVID-19 Impact Statement

The 2019 novel coronavirus (COVID-19) pandemic has had unprecedented and global impacts. These impacts have been especially hard for the people living and working in prisons. Those of us working with SPP acknowledge the loss of life and suffering experienced by incarcerated people, their families, and corrections staff. Our thoughts are with our fellow humans everywhere.

The health and safety of SPP staff, incarcerated people, and WA Corrections staff is our top priority. Therefore, COVID-19 required that we make significant changes to the implementation of SPP programs, especially taking into consideration the extreme impact that the virus can have in a carceral environment. In line with the Washington State Governor's Stay Home-Stay Healthy proclamations, SPP-Evergreen suspended most facility programs. We developed and implemented plans to follow the Healthy Washington-Roadmap to Recovery requirements at WA Corrections facilities and SPP-Evergreen

during Phase 2-4 work activities. For the limited programs continuing with SPP-Evergreen involvement, facility operation plans were developed by the team, including incarcerated participants, corrections staff, and other partners. The only SPP programs that were able to continue are restricted to outdoor/open air locations, socially-distanced interaction between masked SPP staff, incarcerated participants, and corrections staff and where there is access to proper resources for hand washing and cleaning of high touch surfaces. Even for these few in-person programs, SPP-Evergreen staff significantly reduced our visits to facilities to further reduce risk and allow time for required planning and adaptation.

Given limited in-person programming, providing access to meaningful and uplifting educational materials that students can work on independently, seemed important in supporting their wellbeing and continued education. To this end, SPP transitioned to developing and providing remote education content for many of our programs. As we increase remote education resources, we are working to satisfy our longer-term goal of determining the most effective method of dissemination to increase access to these educational materials and to identify the most effective ways to support and interact with incarcerated students and educators. We continue to work with WA Corrections and other partners to explore the use of technologies to increase student access to education.

As a team, we are continually processing the overall health and safety impacts of COVID-19 and loss of in-person interaction with students, partners, and our small team at Evergreen. Despite these challenges, we are hopeful for better horizons.

SPP Staff and Organization Chart

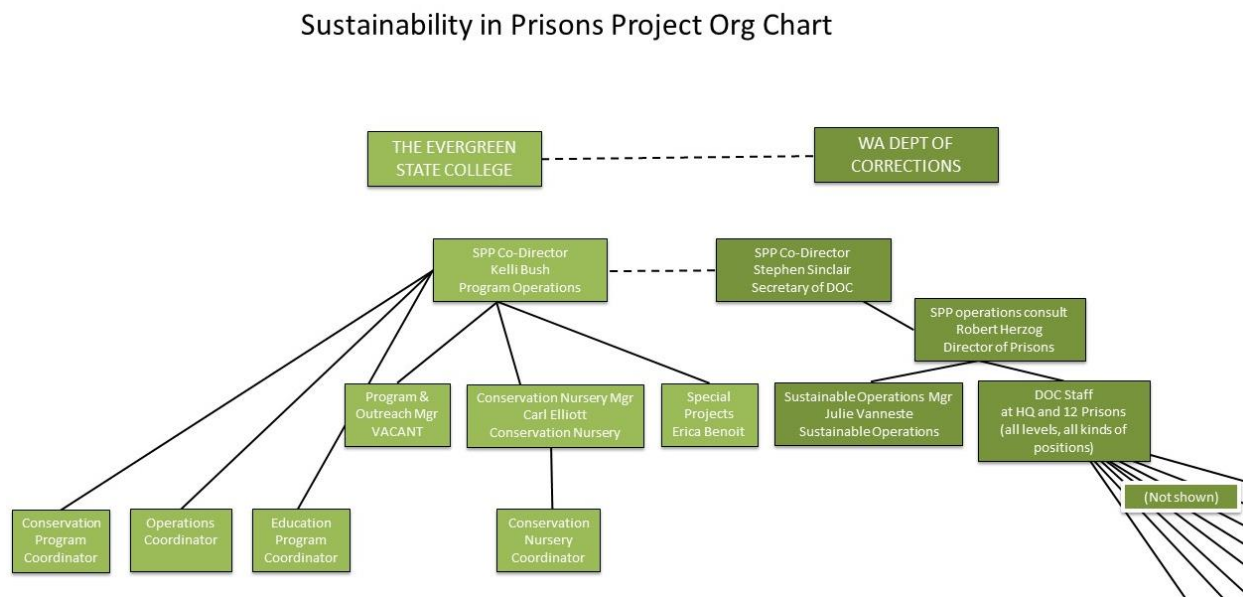


Figure 1. SPP Organizational Chart

The organization chart in Figure 1 includes staff as of December 2020. This chart is limited to core staff at WA Corrections and Evergreen (SPP-Evergreen); there are many more corrections, academic, conservation, and community organization staff contributing to program success. During this reporting period, SPP continued to be co-directed by Kelli Bush from Evergreen and Steve Sinclair from WA Corrections. Rob Herzog, Julie Vanneste, Chris Idso, Jeremy Barclay, and Loretta Taylor also serve as advisors to SPP-Evergreen on corrections operations. SPP leadership typically meets quarterly, but adjusted our schedule during the pandemic. Former SPP Co-Director and Evergreen faculty member, Carri LeRoy continues to play a critical role in overseeing SPP program certificates. Numerous other Evergreen personnel contribute to SPP including but not limited to Tina Pearson, James Jackson, David McAvity, Karen Gaul, and George Bridges.



Joslyn Rose Trivett releasing an Oregon spotted frog in 2015. Photo by SPP Staff.

The SPP-Evergreen team experienced many changes during this reporting period, which included saying goodbye to long-time staff member, Joslyn Rose Trivett. Joslyn made many significant and enduring contributions to the organization during her time with SPP. We deeply appreciate her work and wish her the very best.

Program Coordinator positions are staffed by Evergreen graduate students working 20 hours per week. Student-staff are typically recruited from the [Evergreen Master of Environmental Studies](#) graduate programs, and work for two-year terms. Each summer, several students complete their work with SPP and train new students to take over their positions. During this reporting period, as program coordinators transitioned out of their roles, many of those positions were not rehired due to temporary program suspension during the COVID-19 pandemic. During the reporting period, 14 Program Coordinators worked for SPP: Bethany Shepler, Keegan Curry, Jacob Meyers, Marisa Pushee, Graham Klag, Erica Benoit, Anna Duron, Carly Rose, Allison Campbell, Shohei Morita, Erika Larson, Carly Boyd, Savannah Richard, and Sarah Larson. As of December 2020, SPP currently staffs four student coordinator positions.



A photo collage card put together by the SPP team to say happy holidays to our partners. The individuals pictured here represent the full SPP team as of December 2020. Pictured from left to right: Savannah Richard, Sarah Larson, Kelli Bush, Erica Benoit, Carly Boyd, Carl Elliot, and Shohei Morita.

Advisory Panel

The [Advisory Panel](#) provides expertise, creative thinking, advice, and assistance with SPP initiatives and program development. During this reporting period, SPP did not convene a meeting of our Advisory Panel. Instead, we regularly consulted individuals to advise and guide our work during this challenging time. We frequently consulted previously incarcerated people, SPP co-founders, faculty, and leadership of multiple organizations. The guidance provided was critical and very valuable as we worked to address safety issues and continually adapt to changing circumstances. In the 2021 calendar year, SPP plans to reconvene and restructure our advisory panel. As in previous years, panel members will include formerly incarcerated partners, corrections staff, conservation specialists, and education professionals.

Staff Development: training, safety, and security

Programs are operated in compliance with WA Corrections safety and security rules, SPP-Evergreen protocols for working in the prison environment, and partner protocols for work with plants and animals. Please see the COVID-19 Recognition section above and specific program sections to learn more about adjustments made in response to COVID-19.

All SPP-Evergreen staff complete required WA Corrections training. Security is a topic included on every SPP-Evergreen staff meeting agenda, which are held every two weeks. SPP-Evergreen staff have maintained our commitment to be adaptable to changing security needs including information technology, research, and facility operations. Posted below are the trainings SPP-Evergreen staff completed during this reporting period.

Table 2. SPP-Evergreen Staff Training

Name of Training	Trainer	Description	Hours/Staff Person
WA Corrections: Security Training	Michele Bourne & WCC Training staff	Security Mindset, Staff Professionalism, Tactical Verbal Skills, Federal Prison Rape Elimination Act (PREA)	8
WA Corrections: Security Training	Online; Annual requirement	PREA Training	2
COVID-19 Safety Training	Online; SPP staff	Evergreen & WA Corrections COVID-19 Training & Safe Reentry Planning; discussing twice monthly	20 (ongoing)
Anti-Racism/Anti-Oppression Training	Prita Lal & Alice Nelson	Anti-Oppression and Critical Race Theory	10
SPP-Evergreen: Working in Prisons	Online; all SPP staff	Training utilizing common scenarios encountered by SPP staff working in prisons	8
SPP-Evergreen: Transformative Justice	Joslyn Trivett, w/SPP-Evergreen staff	Facilitated discussion introducing principles & practice of restorative justice	4
Equity, Inclusion, & Diversity	James Jackson	Evergreen Coalition & Justice Involved Student Group; collaboration to bring education inside prisons	1.5
Equity, Inclusion, & Diversity	Nicole Alexander	Re-entry support for justice involved people; COVID-19 response & education in prisons	1
Equity, Inclusion, & Diversity	Stephen Allgoewer	Peer-led education & programs during COVID-19 restrictions	1
Washington State Office of Corrections Ombuds	Carolina Landa	Ombuds Office processes in Corrections & SPP response to COVID	1
New Employee Orientation	Erica Benoit w/other SPP-Evergreen staff	Welcome to SPP, Program Operation/Admin, Communication, & Time Management	8

2. Partnerships

“If DOC and SPP continue to grow this relationship, there will be huge impacts on peoples’ futures, and not only people who go home; there’s other people who never get to get out. So, if you can reach those guys in there too, that’s good too.”

– Formerly incarcerated partner, Brian Bedilion

Partnerships and collaboration are an essential component of SPP efforts and nearly every SPP program. We continually work to identify new partners and mutually beneficial programs. A working list of SPP partnerships is included as [Appendix 2](#); during this reporting period, more than 179 different organizations contributed to SPP programs in WA.

At the program level, the founding partners are often joined by one or more additional partners who bring vital expertise, resources and/or skills to the program. We aim to recognize each partner for their role and the program “belongs” to all. Figure 2 offers an illustration.

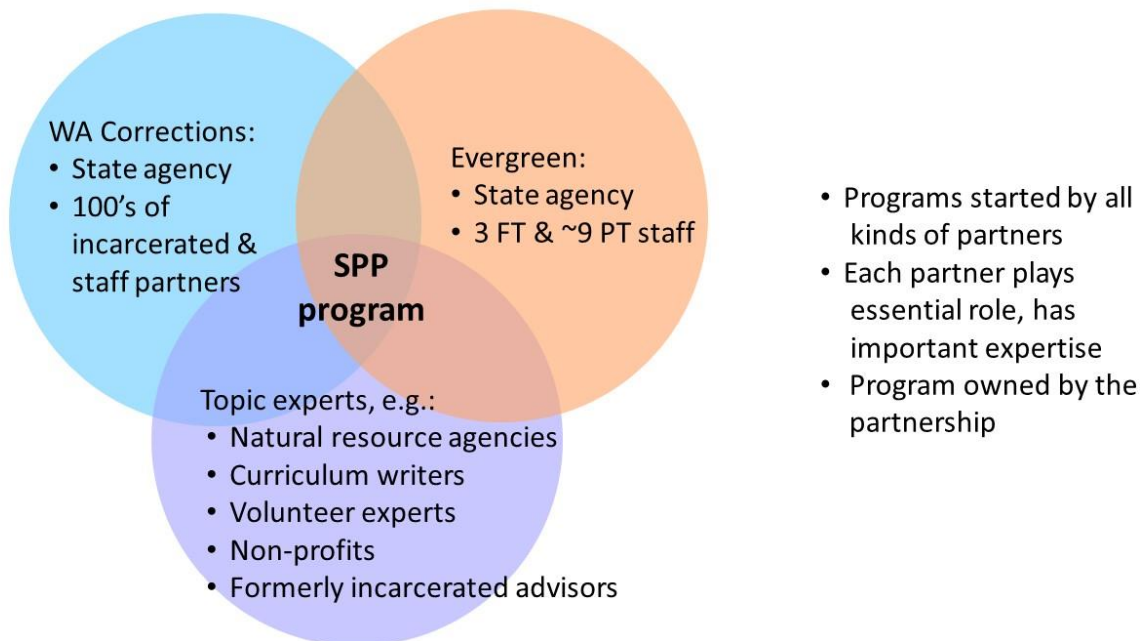


Figure 2. SPP generalized program structure.

Roles played by each partner vary to fit program focus and needs. In general, WA Corrections and partner organizations provide primary leadership for Sustainable Operations and Community Contribution programs, and SPP-Evergreen leads Environmental Education and Ecological Conservation programs. However, input and expertise from all stakeholders (including incarcerated individuals) is critical to program success—**the partnership is the program!**

SPP is continually investing in new partnerships. In the coming year are exploring several new connections to increase access to nature, science, and environmental education. We aim to learn from,

grow with, celebrate, and share our experience with collaborators in order to better serve currently and previously incarcerated people. Working collectively, we are much more likely to create positive change!

Developing Partnerships

We are grateful to have so many wonderful partners! Much of the work we do with collaborators is highlighted in various sections throughout this report. A few notable collaborations we cultivated during this reporting period are briefly described below.

Partnership for Career Pathways within State Agencies

SPP has continued to partner with WA Dept. of Transportation, WA Corrections, and other organizations to identify opportunities to build education and employment pathways and remove barriers to state employment. Prior to the COVID-19 pandemic, partners were planning to launch another workshop series, reaching out to new collaborators, and building a coalition charter. Most planning activities were suspended as all contributors necessarily focused on impacts of COVID-19. In Fall of 2020, partners met again and revised plans in order to advance goals under COVID-19 conditions. Focus over the coming months will be on developing education and outreach resources to support incarcerated people in competing for state employment, supporting state hiring managers as second chance employers, and developing remote workshop/education materials.

Olympia Community Solar

Prior to the COVID-19 pandemic, [Olympia Community Solar](#) staff presented at SCCC as part of SPP's [Environmental Workshop Series](#); they described the experience as impactful. In November 2020, Olympia Community Solar staff approached SPP about donating packets of solar energy education materials to incarcerated people in prisons throughout Washington. They identified the most relevant books, developed a fundraising campaign, and solicited donations through their web and social media sites. SPP staff assisted with planning and reached out to Corrections leadership and facility staff to direct donations to sustainability program areas. In Spring 2021, packages including 5 books, manuals, and certification guides plus 4 editions of a solar energy magazine, are being donated to six prisons. We look forward to continued partnership with Olympia Community Solar.

University of Washington Tacoma: Restoration Ecology Faculty and Students

University of Washington Tacoma faculty member, Dr. Cynthia Updegrave reached out to SPP staff about potential collaboration in fall of 2020. Cynthia was eager to engage students in her restoration ecology course in environmental and social justice. Together, we developed a request for proposals for conservation education activities related to Salish lowland species and ecosystems. It was a pleasure working with Dr. Updegrave and the students in her course. At the end of the fall quarter, each student presented thoughtful, well-researched, and creative education activities. We hope to continue to collaborate with the University of Washington Tacoma.

SPP Alignment with Evergreen's Five Foci

Evergreen's approach to education is best illustrated by [The Five Foci of Learning](#):

1. **Interdisciplinary Study:** Students learn to pull together ideas and concepts from many subject areas, which enables them to tackle real-world issues in all their complexity.
2. **Collaborative Learning:** Students develop knowledge and skills through shared learning, rather than learning in isolation and in competition with others.
3. **Learning Across Significant Differences:** Students learn to recognize, respect, and bridge differences—critical skills in an increasingly diverse world.
4. **Personal Engagement:** Students develop their capacities to judge, speak, and act on the basis of their own reasoned beliefs.
5. **Linking Theory with Practical Applications:** Students understand abstract theories by applying them to projects and activities and by putting them into practice in real-world situations.

SPP engages incarcerated students and technicians, enrolled Evergreen students, faculty, corrections staff, and nonprofit organizations in collaborative, interdisciplinary learning across differences. Our science and sustainability education programs are aligned with the social justice, diversity, environmental stewardship, and public service elements of Evergreen's mission.

SPP's [Environmental Education](#) and [Conservation](#) programs are coordinated by Evergreen graduate students whose experiences encompass and exemplify all five foci. Since 2009, SPP-Evergreen has employed nearly 60 Evergreen students in long-term positions and provided honoraria or internship stipends to dozens more. Through SPP, the incarcerated participants of education and conservation programs also gain access to the Evergreen learning model, thus sharing in the benefits of this innovative interdisciplinary approach. An increasing number of former SPP program participants are attending Evergreen post-release—contributing their valuable experiences, assets, and skills directly to our campus learning communities.

SPP Alignment with WA Corrections' Mission & Vision

From WA Corrections' [website](#):

Mission: To improve public safety by positively changing lives

Vision: Working together for safer communities

The Department of Corrections is committed to operating a safe and humane corrections system and partnering with others to transform lives for a better Washington. A key value of WA Corrections is supporting people's success: understanding individuals, instilling hope, embracing change, and providing opportunities. Through the SPP partnership, WA Corrections brings science, nature, and environmental education into the state's correctional facilities. These programs create a safer and more humane

correctional environment, provide opportunities for incarcerated individuals to achieve academic and vocational goals, and contribute to their successful reentry to our communities.

3. Budget

This section of the report addresses budget resources available via the SPP team at [The Evergreen State College](#) (SPP-Evergreen). The [Washington Department of Corrections](#) (WA Corrections) and numerous other partners dedicate additional personnel time, funding, and materials support for SPP programs; those critical contributions are not detailed here. While Evergreen does not provide direct funding for SPP, they make important contributions by providing office space, payroll processing, access to students and faculty, human resource services, and budget management support.

SPP-Evergreen had just over \$800,000 in funds available from 17 sources during this one and half year reporting period. Our annual budget for fiscal year 20 (July 2019- June 2020) was just over \$560,000. Available funding included two contracts (one per fiscal year) with WA Corrections that were spent on WA prison programs in accordance with contract requirements. Other funding sources include state and federal contracts, grants, foundation and private donations briefly described in Table 3 below. SPP-



A photo collage card put together by the SPP team to say thank you to our generous donors from the Seattle Foundation. Pictured left to right: Marisa Pushee, Graham Klag, Erica Benoit, Carl Elliot, Joslyn Rose Trivett, Shohei Morita, Allison Campbell, Anna Duron, Jacob Meyers, Kelli Bush, and Keegan Curry.

Evergreen developed an exciting new relationship with a donor toward the end of this reporting period and will describe that project in more detail in our next reporting period.

The percentage of funding provided by individual sources varies from month to month as sources become available or close throughout the year. SPP-Evergreen staff continuously seek new funding and complete existing grants and contracts. This reporting period we had slightly fewer contract resources available from federal sources. Given staffing changes and COVID-19 impacts, we also competed for fewer grants, donations, and contracts in 2020, but we are increasing our attention on diversifying funding sources in 2021. During this reporting period, SPP-Evergreen staff were responsible for stewarding funds from the sources described below.

Table 3. SPP Grant and Contract Funding (see [Appendix 3](#) for abbreviations).

SPP Funding Sources July 2019 – December 2020		
Source	Program Area	Funding Type
JBLM Wetland & Prairie Plant Production 2018/2019	Conservation Nursery	contract
JBLM Prairie Plant Production 2019/2020	Conservation Nursery	contract
JBLM Prairie Plant Production 2021	Conservation Nursery	contract
CNLM Native Seed & Plants	Conservation Nursery	contract
Samish Nation Emergent Vegetated Mats	Conservation Nursery	contract
WDFW	Conservation Nursery	contract
US Forest Service	Conservation Nursery	contract
WDFW, WA DNR	Conservation Nursery	contract
Friends of Willapa National Wildlife Refuge	Conservation Nursery	contract
DOC General Operating FY20	SPP General & Education	contract
DOC General Operating FY21	SPP General & Education	contract
WDFW Taylor's Checkerspot 2019	Butterfly Operation	contract
WDFW Taylor's Checkerspot 2020	Butterfly Operation	contract
USFWS Butterfly Program Expansion	Butterfly Expansion	grant
Seattle Foundation	SPP General & Education	donation
Herb Alpert Foundation	Gardening Education	donation
Individual Foundation Donations	SPP General	donation

The majority of SPP-WA's budget is dedicated to personnel expenses. A smaller, but significant portion goes to program materials such as education supplies, small infrastructure projects, scientific equipment, printed outreach, and materials for prison libraries.

4. Environmental Education Programs

Education is an integral part of SPP's programs. SPP-Evergreen works to make the most of both formal and informal education opportunities and to offer new knowledge and practice to incarcerated students, staff, and partners. While our goal is to provide education in every program, that is the *primary* outcome of SPP's environmental education programs.

In the sections below, we highlight the successes, struggles, and developments of the Environmental Workshop Series, Roots of Success, beekeeping, and gardening programs at WA correctional facilities. To protect the health and safety of incarcerated individuals, many of these education programs were temporarily suspended due to COVID-19 as they typically rely on education delivered by visiting experts and/or gathering in a classroom. Instead, we shifted our focus to developing and providing more peer-led and remote education and identifying effective methods of sharing it with incarcerated students. We believe that with limited programming available during these challenging times, providing access to meaningful and uplifting education is beneficial in supporting the well-being of our incarcerated partners. Despite many challenges over the past year, we continue to hear from incarcerated individuals, staff, and administration about the positive impacts of these programs.

In addition to SPP-Evergreen-led education programs, it's also important to mention the work of community colleges in providing education opportunities to incarcerated students. In particular and most related to SPP's mission, CCCC and WCC in partnership with [Centralia College](#) and WCCW with [Tacoma Community College](#) offer vocational horticultural classes. Students in these programs gain access to excellent education, training, and hands-on work in a variety of extensive gardens.

Lastly, we include a section with updates on offering academic credit and certification in SPP programs through the Evergreen State College.

Environmental Engagement Workshop Series

Since 2009, we have offered more than 336 lectures and workshops on environmental science and sustainability topics in nine prisons led by at least 250 scientists and practitioners representing 140 agencies, businesses, and schools.

The regular workshop series operates out of three facilities. Historically, these facilities have been SCCC, WCCW, and WCC, but 2020 brought change: **the workshop series successfully expanded to MCCCW** and was discontinued at WCCW. Not long after conducting the first workshops at MCCCW, **the COVID-19 pandemic caused temporary suspension of the**



A workshop student studies a preserved octopus specimen at the very first workshop at MCCCW. Attendance at this workshop was excellent and also featured a live Pacific red octopus! Photo by Joslyn Trivett.

workshop series at all facilities in an effort to protect the safety of incarcerated students who attend this program. The last in-person workshop of 2020 was held at MCCCW on March 6, 2020. With the aim of test-driving remote workshop learning, a small handful of monthly remote workshop videos were provided for viewing at SCCC.

In total, we have recorded 3,331 incarcerated students participating in workshops from four main sites: 1,499 from SCCC; 1,421 from WCCW; 341 from WCC; 70 from MCCCW. Adding known students from other facilities and years, we estimate at least 3,500 incarcerated students have attended the workshop series, with many attending multiple presentations. During this reporting period, attendance of the Workshop Series steadily grew at WCC, remained strong at SCCC, steadily decreased at WCCW until that program's suspension, and showed great promise at MCCCW before the series' suspension. Specific attendance and topics are detailed in Table 4.

Another exciting highlight from this reporting period included the University Beyond Bars' Art & Lecture Series. In late 2019, SPP partnered with [University Behind Bars](#) (UBB), an organization that offers college instruction at the Monroe Correctional Complex, to offer a mini-series focused on environmental topics as a part of their regular Art and Lecture Series. Each workshop consisted of guest experts providing 2.75 hours of presentation, discussion, and activities on a variety of environmental topics such as sustainable waste management, composting, and nature illustration. Students who attended all three sessions were eligible for a special certificate. A total of 13 incarcerated students earned certificates through this program.

Table 4. Workshop series attendance statewide, July 2019 – December 2020.

Workshop Series at Stafford Creek Corrections Center (SCCC)			
Date	Presenter(s)	Topic	Attendance
07/18/2019	Emily Adams	Screen printing	28
07/25/2019	Emily Adams	Screen printing	20
09/05/2019	Jacob Meyers	Prairie Conservation	44
09/19/2019	Robin Bond	Astrobiology	65
10/17/2019	Hannah Faulkner	Forage Fish	57
11/21/2019	Mason Rolph	Clean Energy	55
12/19/2019	Christine Rayburn	Plastic Pollution Crisis	69
01/16/2020	Faye Peebles, Judah Jamison	Wolves and Orcas	70
02/20/2020	Sheilia Canada	Permaculture	57
05/01/2020	Remote Video Content	Environmental Justice	15
06/01/2020	Remote Video Content	Plant Intelligence	9
07/01/2020	Remote Video Content	Inclusivity in Nature	8
08/01/2020	Remote Video Content	Herpetology	6
Total			503
Workshop Series - Seminars at Stafford Creek Corrections Center (SCCC)			
Date	Presenter(s)	Title/topic	Attendance

12/05/2019	Seminar: facilitated group discussion	Solar energy	20
02/13/2020	Seminar: facilitated group discussion	Plastic Pollution & Marine Life	40
Total			60
Workshop Series at Washington Corrections Center for Women (WCCW)			
Date	Presenter(s)	Topic	Attendance
08/13/2019	Jacob Meyers & Conservation Crew	Prairie Conservation	24
09/03/2019	Astrobiology	Robin Bond	26
11/05/2019	David George Gordon & Karen Luke Fildes	Studying & Drawing Snails	14
11/19/2019	Thomas Quinn	Pacific Salmon	7
12/03/2019	Aaron Clark	Stormwater & Green Infrastructure	25
01/07/2020	Chris Montero, Faye Peebles	Wolves & Orcas	32
Total			128
Workshop Series at Washington Corrections Center (WCC)			
Date	Presenter(s)	Topic	Attendance
07/24/2019	Laurie Pyne	Bees 101	30
08/28/2019	Sadie Gilliom	Wild Foraging	62
09/25/2019	Carrie LeRoy	Mount St. Helens	59
10/23/2019	Thomas Quinn	Pacific Salmon	49
11/27/2019	Richard Samyn	Beekeeping 101	83
01/22/2020	Julianne Gale, Derek Hoshiko	Climate Science 101	40
01/23/2020	Incarcerated dog handlers from WCC	Service Dog Training	30
02/26/2020	Julianne Gale, James Landreth, Zephyr Nordlund	Healthy Soils & Food Forests	53
Total			406
Mission Creek Corrections Center for Women (MCCCW)			
Date	Presenter(s)	Topic	Attendance
02/28/2020	Rus Higley	Octopus Intelligence	57
03/06/2020	Fawn Harris, Michael Etgen	Raptors of the PNW	52
Total			109
Special Events			
Date	Topic	Location	Attendance
08/17/2019	Sanitation & Human Waste (UBB's Art & Lecture Series)	MCC	41
09/21/2019	Tilth Alliance (UBB's Art & Lecture Series)	MCC	28
10/09/2019	Intro to Drawing with Skill Builders Unit	SCCC	13
10/16/2019	Intro to Drawing with Skill Builders Unit	SCCC	15
01/11/2020	Nature Sketching (UBB's Art & Lecture Series)	MCC	46
Total			143
Statewide Total, July 2019 – March 2020			1,349

The series offers three levels of certification for attendance of 5 sessions, 10 sessions, and 20 or more, respectively. Level 3 certificates have been successfully recognized as transfer credit for admitted students at Evergreen. Details regarding certificates awarded are provided in the table below. Due to the small number of workshops offered at MCCCW before suspension, no certificates have been earned at this facility yet.

Table 5. Students Eligible for Workshop Series Certification

Facility	Certificate	Awarded since 2014	Awarded July 2019 – March 2020
SCCC	Level 1 – 5 or more workshops	401	23
	Level 2 – 10 or more workshops	196	12
	Level 3 – 20 or more workshops*	86	6
WCCW	Level 1 – 5 or more workshops	197	17
	Level 2 – 10 or more workshops	37	1
	Level 3 – 20 or more workshops	12	0
WCC	Level 1 – 5 or more workshops	68	35
	Level 2 – 10 or more workshops	31	18
	Level 3 – 20 or more workshops	6	4
Total		1,034	116

*includes 2 DOC staff members

Roots of Success

Roots of Success is an environmental literacy curriculum developed by Dr. Raquel Pinderhughes, Professor of Urban Studies & Planning at San Francisco State University (more at rootsofsuccess.org). WA Corrections began offering the program in July 2013 and content has been well-received by many incarcerated students over the years. Certified incarcerated instructors deliver the program, a model we have found effective and satisfying among students, instructors, and staff sponsors.

During this reporting period, we supported six active, full-curriculum programs at the following facilities: AHCC, CRCC, LCC, MCC-WSR, SCCC, and WCC. However, five of these facilities had to suspend the program due to COVID-19. Details for this reporting period are shown in the following tables and highlights.

Table 6. Roots of Success Program overview by institution

Facility	Status as of December 2020	Notes and future plans
AHCC	Suspended*	Restart classes if and when it is safe to do so.
CBCC	Inactive	Program is inactive as the facility currently has no instructors. There are a few certified instructors who recently transferred to CBCC. May revisit if there is facility interest to restart the program.
CCCC	Inactive	N/A

CRCC	Suspended*	Restart classes if and when it is safe to do so.
LCC	Active	Current instructors releasing soon. Primary instructors will be releasing soon. SCCC has identified two potential instructors who may be interested in transferring to LCC to teach there. This process stalled due to COVID-19 but will revisit if and when it is safe to do so.
MCC-WSR	Suspended*	Restart classes if and when it is safe to do so.
MCCCW	Inactive	Currently no instructor
OCC	Inactive	N/A
SCCC	Suspended*	Restart classes if and when it is safe to do so.
WCC	Suspended*	Long-time instructor will be releasing soon. Future plans include working with the program liaison and facility leadership to either host an instructor training before the current Master trainer's ERD to certify new instructors or identify a certified instructor to take over his teaching position.
WCCW	Inactive	Currently no available instructor. Program inactive due to unavailability of primary instructor and classroom space. Efforts to identify new instructors and classroom are on hold due to COVID-19. May revisit if there is facility interest.
WSP	Inactive	Program stalled and is currently inactive as the facility is not purchasing new workbooks.

*Temporarily suspended or placed on hold due to COVID-19, currently one active program as of December 2020

The full version of Roots curriculum requires 50 hours of classroom time plus substantive time for instruction prep, workbook review, and administrative tasks. We find it is most successful when delivered by incarcerated-instructors because it relies on less staff time and creates a productive peer-to-peer classroom environment. The table below provides information related to graduates of this full curriculum.

Table 7. Summary of Roots of Success graduates of full curriculum for this reporting period.

Facility	Number of cohorts	Graduates
AHCC	3	24
CRCC	1	10
LCC	6	25
MCC-WSR	2	10
SCCC	4	43
WCC	1	12
WCCW	1	6
Reporting period	18	130
Total since beginning	135	1,565

Roots Certificated Instructors

In 2015, Dr. Pinderhughes certified five male instructors to be Master Trainers, who can train and certify new Roots instructors. During this reporting period, four trainings were held to certify 29 new incarcerated instructors from three facilities. Further details are provided in the following table.

Table 8. Roots of Success instructor training details.

Facility	Training Date	Instructors Certified
AHCC	10/28/2019	13
SCCC	10/9/2019	8
SCCC	2/13/2020	5
WCC	9/25/2019	3
Instructors certified this reporting period		29
Total instructors certified since beginning		145



*Master trainer Grady Mitchell helps Matthew Edens at WCC Roots instructor training session.
Photo by Bethany Shepler.*

Teaching Practicum

In partnership with The Evergreen State College and Roots of Success, we developed a teaching practicum certificate that recognizes instructors who have taught 3+ full curriculum classes, or 150+ hours of teaching. Each certificate represents academic achievement equivalent to 5 college credits for students enrolled at The Evergreen State College. An instructor may receive up to three certificates. The following table details certificates awarded during this reporting period.

Table 9. Roots of Success instructors awarded teaching practicum certificate by facility.

Facility	Award date(s)	Certificates earned
LCC	01/17/20	3
	10/27/20	
	11/17/20	
SCCC	05/13/20	2
	05/13/20	
WCC	01/07/20	1
Total		6

Events and Outreach

September 25, 2019 - WCC hosted an instructor training led by master trainer, Grady Mitchell, to train 3 new instructors. SPP Green Track Coordinators Shohei Morita and Bethany Shepler attended the event, and published a [blog post](#).

December 9, 2019 - SCCC hosted a graduation event to recognize students from the recent graduating class and new certified instructors. SPP Green Track Coordinator, Shohei Morita attended the event.

Education Materials Donations

Roots of Success instructors from various facilities expressed the need for additional educational materials. We made donations to various programs in an attempt to diversify their education resources. Additionally, we purchased environmental books that will be sent to programs throughout the state.

Table 10. List of bonus education materials.

Date	Facility	Item description	Quantity
02/26/2020	AHCC	Book, <i>Energy Literacy, Essential Principles and Fundamental Concepts for Energy Education</i>	15
03/10/2020	WCCW	Book, <i>Energy Literacy, Essential Principles and Fundamental Concepts for Energy Education</i>	10
05/29/2020	WCC	Poster, <i>Evolution & Classification of Life</i>	1
06/12/2020	CRCC	Book, <i>Energy Literacy, Essential Principles and Fundamental Concepts for Energy Education</i>	1
07/30/2020	SCCC	Book: <i>Another Turn of the Crank</i> by Wendell Berry	1
07/30/2020	SCCC	Book: <i>What a Plant Knows</i> by Daniel Chamovitz	1
07/30/2020	SCCC	Book: <i>Four Fish; The Future of the Last Wild Food</i> by Paul Greenberg	1
Shared with all facilities		SPP educational materials index	
Available to all facilities		Alabama Prison Arts + Education Project's weekly Warbler newsletters	

Beekeeping

During this reporting period, we supported 13 active beekeeping programs at the following facilities: AHCC, CBCC, CCCC, CRCC, LCC, MCC-SOU, MCC-TRU, MCCCW, SCCC, WCC, McNeil Island, WCCW, and WSP. However, 11 of these facilities have suspended the program due to COVID-19. Details for this reporting period are shown in the following tables and highlights.

Right: Beekeepers at AHCC hope that their newly built insulated bee shed will help increase honeybee survival rates during the winter. Photo by Sgt. Rob Mackey.

**Table 11.** Beekeeping program status by facility, as of December 2020.

Facility	Status as of December 2020	Hives	Program Liaison	Partner(s)
AHCC	Suspended*	8	Robert Mackey	West Plains Beekeepers, Inland Empire Beekeepers
CBCC	Suspended*	4	Faye Nicholas	North Olympic Peninsula Beekeepers Association
CCCC	Suspended*	0	Jean Anderson Jerrod Beaulieu Theodore Travess	Olympia Beekeepers Association
CRCC	Suspended*	3	Dorothy Trainer	Mid- Columbia Beekeepers
LCC	Suspended*	5	Zack Wilcox	Clark County Beekeepers
MCC-SOU	Active	3	Kathryn Grey	North West District Beekeepers
MCC-TRU	Suspended*	6	Susan Collins	North West District Beekeepers
MCCCW	Suspended*	0	William Anderson	West Sound Beekeepers

			April Henderson	
OCC	Inactive			
SCCC	Suspended*	6	Kelly Peterson	Olympia Beekeepers Association
WCC	Suspended*	6	Laurie Pyne	Olympia Beekeepers Association
McNeil	Active	2	Laurie Pyne	Olympia Beekeepers Association
WCCW	Suspended*	0	Carrie Hesch Muriah Albin Dan Zoolkoski	West Sound Beekeepers
WSP	Suspended*	10	John Fischer Michael Butler James Atwood	West Plains Beekeepers Association

*Temporarily suspended or placed on hold due to COVID-19

Table 12. Beekeeper certificates awarded during this reporting period by facility.

Facility	Incarcerated students			Staff students	
	Beginner	Apprentice	Journeyman	Beginner	Apprentice
AHCC	0	7	1	0	0
CBCC	24	0	0	0	0
CCCC	15	0	0	0	0
CRCC	0	11	0	0	0
LCC	6	0	0	0	0
MCC-SOU	7	7	0	0	0
MCC-TRU	7	7	0	1	1
MCCCW	0	0	0	0	0
SCCC	40	24	1	2	1
WCC	16	0	0	2	0
WCCW	16	0	0	5	0
WSP	6	0	5	3	1
Total	137	56	7	13	3

Beekeeping Program Highlights

The WASBA's Beginner and Apprentice Beekeeping curriculum have been revised. SPP will continue to use the old workbooks until we run out of those printed copies, supplemented with the "revisions and additions" printout provided by WASBA.

WASBA's annual conference was held virtually this year due to COVID-19, which provided a rare opportunity for incarcerated beekeepers to attend via video conference. Student beekeepers from SCCC and WCC participated in this year's conference through Zoom. Conference recordings were made available to these two facilities for no additional charge, and to all other WA Corrections facilities at \$1/person.

Aligned with our goal of safely providing education materials during the COVID-19 pandemic, SPP began distributing monthly beekeeping packets, which include beekeeping-related articles and optional worksheets. These are sent to each beekeeping liaison to print and distribute to students. As students

complete the worksheets, they can turn them in to the liaison to send back to SPP. As of December, materials have been sent to all 12 facilities. The table below summarizes the returned responses from students.

Table 13. Bee packet responses received

Facility	Number of responses
CBCC	2
CRCC	1
LCC	2
MCC-SOU	4
MCC-TRU	5
MCCCW	11
SCCC	13
WCCW	25
Total	63



Student beekeepers at WCC attended WASBA's virtual conference in October 2020. Photo by Laurie Pyne.

Journey level-certified beekeepers expressed their interest in continuing beekeeping education and certification. Considering the challenge of achieving requirements for Master level certification in a prison setting, WASBA's education committee recommended creating a new certification option. The **WASBA "Scholar" Certification** is a higher level certificate that can be completed during incarceration. For beekeepers who wish to attain a Masters level certification post-release, work done toward the Scholar certification will apply toward Masters certificate requirements. SPP-Evergreen and WASBA are drafting Scholar certificate requirements and will receive input from incarcerated beekeepers and WA Corrections staff before finalizing.

SPP-Evergreen worked with WCCW program sponsor Carrie Hesch to create an updated job description for incarcerated Bee Conservation Techs statewide. The description has been approved and updated in WA Corrections' OMNI system.

SPP-Evergreen purchased a one-year subscription to the **American Bee Journal (ABJ)** to be shared with WA DOC bee programs. CBCC, CCCC, MCC-SOU, MCC-TRU, SCCC, WCC, WCCW, and WCC expressed interest and will receive a copy every month beginning January 2021.

The beekeeping program at McNeil Island continues to thrive with consistent support from Olympia Beekeepers and WA Corrections staff. Student beekeepers from CCCC visit the island biweekly during the summer months to take care of the hives. In early 2020, corkhives.com donated a **cork hive to McNeil Island**. McNeil beekeepers are tentatively planning on using it in the spring.

We continue to provide educational materials whenever possible. During the reporting period we supplied the materials summarized in the table below.

Table 14. List of educational materials donated.

Facility	Item type	Item title
CCCC	Journal	American Bee Journal back issues
MCC-SOU	DVD	Vanishing of the bees
MCC-SOU	DVD	Tales from the hive
MCC-SOU	Book	Honeybee Democracy
MCC-SOU	Book	The lives of bees
MCC-SOU	Journal	American Bee Journal back issues
MCC-TRU	Book	Honeybee Democracy
MCC-TRU	Folding guide	Common bees of western north America
MCC-TRU	Journal	American Bee Journal back issues
MCCCW	Journal	American Bee Journal back issues
SCCC	DVD	Tales from the hive
SCCC	Book and DVD	Natural Beekeeping
SCCC	Journal	American Bee Journal back issues
WCC	DVD	Tales from the hive
WCC	Book	Honeybee Democracy
WCC	Journal	American Bee Journal back issues
WCCW	DVD	Tales from the hive
WCCW	Folding guide	Common bees of western north America
WCCW	Book	The lives of bees
WCCW	DVD	Hive updates by SPP
WCCW	DVD	WASBA Conference recording
WCCW	Journal	American Bee Journal back issues
WSP	DVD	Tales from the hive
WSP	Book	Honeybee Democracy

Events and Outreach

September 18, 2019 – Incarcerated student beekeepers at WSP harvested over 200 lbs. of honey. SPP staff Bethany Shepler and Shohei Morita attended the event.

October 16, 2019 – Expert beekeeper, Laurie Pyne (Olympia Beekeepers), published a naturalist’s field journal of the McNeil Island beekeeping program. Hard copies were sent to all beekeeping liaisons, and [electronic copies are available for download](#).

October 25, 2019 – Beekeepers at LCC harvested over 10 gallons of honey. Shohei Morita (SPP) attended the event.



Bottled honey from WSP's honey extraction day. Photo by Jonathan Fischer.

December 11, 2019 – Beekeepers at WCC harvested over 130 lbs. of honey.

February 4, 2020 – WCCW held a [graduation event](#) for 16 incarcerated and five staff students completing the beginner level certification course. Shohei Morita (SPP) attended.

February 13, 2020 – MCC held a film-screening of NOVA's *Tales from the Hive*. The screening followed by a Q&A session with prospective and current beekeeping students.



Expert beekeeper Sandy Fanara speaks to the students during a hive clean-up day at WCCW. Photo by Shohei Morita.

February 27, 2020 – AHCC held a graduation event for a Journey level class. Shohei Morita (SPP) attended the event.

March 10, 2020 - WCCW held a hive cleaning day to prepare bees. Shohei Morita (SPP) attended the event.



Incarcerated student beekeepers at LCC and guest expert beekeeper, Dean Spellman, with their hives. Photo by Shohei Morita.

Foundations in Gardening



Facilitators and students gather for the first peer-led gardening class at SCCC. Photo by Joslyn Trivett.

SPP staff began working with partners to develop a peer-led gardening course prior to the pandemic. Creating the course depended on many organizations and individuals, including Institute for Applied Ecology, the Oregon Food Bank, University Beyond Bars, SPP staff at The Evergreen state College, WA Corrections leadership, and incarcerated individuals & staff at three prisons: Stafford Creek Corrections Center, Coyote Ridge Corrections Center, and Monroe Correctional Complex. The first pilot course was held at SCCC in August 2020, with two facilitators and seven students. This cohort was close to completing the course, when the program was temporarily suspended due to significant increase in COVID-19 cases at the prison. We expect that they will be able to complete final modules and graduate when it is safe to resume the program. We have identified multiple tasks to update the course and look forward to receiving input from facilitators, students, and staff.

Academic Credit & Certifications

Over the past several years SPP-Evergreen staff have worked with college leaders, stakeholders, legislators, corrections staff, other education organizations, and allies to identify and remove barriers to granting credit during incarceration for SPP's certificated internships. *This issue remains SPP's top priority.* To advance efforts, SPP-Evergreen's staff have developed briefing materials, sought consultation from experts, confirmed support from stakeholders, identified relevant legal language, drafted legislation and policies, and coordinated and participated in numerous meetings.

SPP faculty of record and Evergreen academic deans have pre-determined credit value for SPP's certificates—acknowledging the credibility of our education model. Expenses for delivering these education programs are largely satisfied by multiple grants, contracts, donations, and associated indirect funds secured by SPP-Evergreen. In addition, incarcerated students served by these programs do not incur typical faculty or physical plant expenses associated with tuition. Given the financial support already provided to Evergreen through these non-tuition resources and the lack of typical education

expenses for these students, charging full tuition for these credits is largely redundant. SPP-Evergreen is prepared to fully fund the minor administrative expenses associated with granting credit using this well-established model. We are hopeful we may accomplish this goal in the coming year.

In this reporting period, SPP awarded significantly fewer certificates than usual as many programs were suspended during the pandemic; prior to COVID-19 we awarded nearly 100 certificates per year. This reporting period we awarded 44 SPP certificates that warrant consideration for college credit at Evergreen. Additional “recognition” awards—not eligible for credit evaluation—are not included in this summary. We look forward to reporting on new certificates for the SPP gardening, composting and sheep programs in the next reporting period.



A butterfly technician smiles with her Butterfly Rearing & Research Specialist certificate. Photo by SPP staff.

Table 15. SPP Certificate Awards, July 2019 – December 2020.

Program	Certificate Type	Academic hours	Vocational hours	Certificates Awarded
Environmental Workshop Series	30 hours of class time	30	0	10
Conservation Nurseries	Conservation Nursery Technician	30	370	10
	Conservation Nursery Specialist	60	740	6
Western Pond Turtle Care	Rehabilitation & Research Specialist	200	800	1
Composting	Vermiculture and Composting Specialist	200	800	8
Taylor’s Checkerspot Butterfly	Rearing & Research Specialist	540	960	3
Roots of Success (Instructors)	Teaching Practicum	150	0	6
Total Certificates Awarded				44
Total Certificates 2016 - 2020				352

SPP facilitates certificate awards from outside organizations in two additional programs. Number of certificates awarded for each of these programs is described in their respective sections above:

- Beekeepers are certified by [Washington State Beekeepers Association](#).
- Roots of Success students are certified by the organization [Roots of Success](#).

5. Conversation Programs

“I’ve really learned who I am; that’s really the only thing I want to get across. Even though I didn’t go to higher education and do what other technicians are doing with their lives, I’m so grateful for the route I’ve been able to take. The importance of waking up and caring for the plants and fish, I don’t think in a million years I would be able to be where I am today without that.”

– Formerly incarcerated partner, Brian Bedilion

SPP’s conservation programs encompass a huge range of goals, activities, and topics, though all share three things in common:

1. The program focus is conservation-related education and training: preserving and protecting a species, landscape, and/or other natural resources.
2. These programs depend on strong collaborations between incarcerated people, corrections staff, students, SPP staff, scientists, and community experts who share their knowledge, resources, and enthusiasm.
3. Incarcerated program partners are both students and technicians; they receive formal education, training, and hands-on experience. **Essentially, these are college-level internships,** and technicians are awarded [SPP certificates](#) as they complete certification requirements.

Conservation programs’ success is dependent on each partner contributing their expertise and time. Programs are designed to maximize benefits to each collaborator.

Conservation Nursery Programs

During this reporting period, the majority of plants produced in the SPP Conservation Nurseries were provided to [Joint Base Lewis-McChord](#) (JBLM) for Salish lowland prairie restoration. In addition to plants produced for ecological restoration at JBLM, SPP increased partnerships to grow specific plant species for targeted restoration projects. Other agencies and organizations we partnered with include: [WA Dept. of Fish and Wildlife](#) (WDFW), [WA Department of Natural Resources](#) (DNR), [Center for Natural Lands Management](#) (CNLM), [United States Forest Service](#) (USFS), Olympic National Forest, Suislaw National Forest, [U.S. Fish and Wildlife Service](#) (USFWS), Portland Metro, and WA Corrections. Though the above includes an extensive geographic range, the majority of species produced at the conservation nurseries support habitat restoration for two federally listed butterflies: Taylor’s checkerspot and Oregon-coastal silverspot.

Plant-Plug Production

The SPP Conservation Nursery concentrated production at WCCW, temporarily turning over infrastructure at SCCC WA Corrections for facility food production. Though this reduced the number of incarcerated technicians receiving programming, the opportunity allowed SPP to offer in-depth, higher level education and training opportunities to technicians at WCCW.



Conservation Nursery Technicians at WCCW sow Balsamorhiza deltoidea into deep plant cells. Photo by Savannah Richard.



Technician Ms. Unger was a vital part of the WCCW Conservation Nursery in 2020. She exceeded all expectations by coordinating plant cultivation and recruiting volunteer technicians to keep the nursery thriving with limited supervision from SPP during COVID-19 restrictions. Photo by Savannah Richard.

During this reporting period, the nursery delivered 153,362 plant plugs of 45 species for butterfly recovery and regional habitat restoration. See following table for further details. Plug production is necessary for species that do not establish well from seed when planted in habitat restoration sites. Additionally, the nursery provided a number of species for the USFS for restoration of recreational areas in 2020.

Table 16. Conservation Nursery Regional Plug Summary, delivered July 2019 – December 2020.

	2019 Species	2020 Species	2019 Plants	2020 Plants
Total Delivered	45	39	87,122	66,240
Total Requested	51	42	87,084	55,120
Percent Delivered of Requested			104%	120%

Prairie Seed Gardens

SPP conservation nurseries at WCC and WCCW successfully produced seeds for species not easily cultivated or harvested. In 2019, the seed plots at WCC produced over 11 lbs. of early blue violet (*Viola adunca*) seed and 1.2 lbs. of *Viola howellii*—a significant accomplishment given the size and weight of these tiny seeds. In 2020, we encountered challenges providing adequate training for seed collection resulting in significantly less seed – 5.5 lbs. of early blue violet (*Viola adunca*). Technicians also continued cultivating seeds from difficult species from wild collections, including *Hieracium scouleri*, *Silene douglasii*, *Silene scouleri*, *Viola praemorsa*, and the state-listed threatened Puget groundsel, *Packera macounii*. Each of these species should produce seed in 2021.

In 2017, SPP began supporting restoration efforts in the Oregon Coast geographic region. At WCCW, nursery technicians cultivated eight garden beds with early blue violet (*Viola adunca*) seed stock from coastal Oregon following improved planting protocols resulting in more vigorous plant establishment.

Harvest from 2019 was 6 lbs. from 1,000 square feet of bed space. In 2020 seed production was put on hold at WCCW due to COVID-19 staffing restrictions.

Emergent Pre-Vegetated Mat (EVM) Production

The EVM program was established as a collaboration among USFWS, WDFW, and JBLM with the primary objective to restore habitat for the Oregon spotted frog (OSF). Key funding support was provided by JBLM, WA Corrections, and SPP-Evergreen's Foundation donations. The program cultivates pre-vegetated mats (blankets of coconut fiber) of wetland plant species for habitat restoration benefiting OSF and salmon species. Stafford Creek Corrections Center cultivates the mats in an aquaponics horticulture system. In 2019, the Samish Nation and Skagit and Whatcom Counties ordered 50 pre-vegetated mats for OSF occupied sites. The mats contained *Juncus supiniformis*, *Carex exsiccata* and *Glyceria elata*. The mats were delivered in September of that year, and the adult frogs on the Samish River almost instantly found the mats to be suitable habitat.



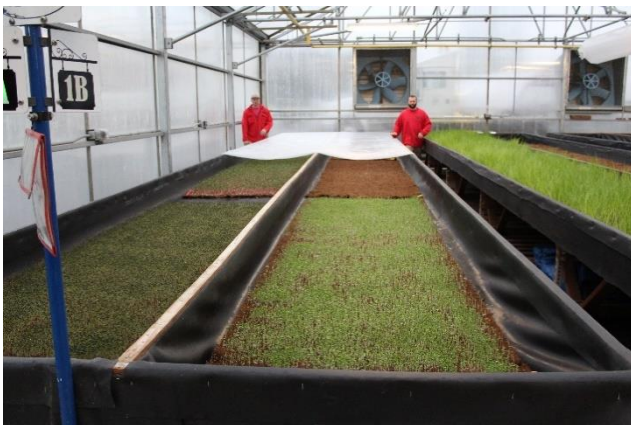
Left to right: EVM Technicians, Mr. Oddo and Mr. Hieronymous, load 50 mats to be delivered to Samish Nation, photo by Carl Elliott; Samish Nation Technicians and Teal Waterstrat (USFWS) install mats at OSF sites along the Samish River, photo provided by the Samish Nation; Oregon spotted frog seen checking out the newly placed mats, photo provided by the Samish Nation.

The EVM team at SCCC includes incarcerated technicians, maintenance staff, SPP-Evergreen program coordinators and managers. In late 2019, a power outage led to the loss of almost all adult fish in the aquaponics system. The technicians and SCCC maintenance staff quickly developed the infrastructure necessary to rear and raise replacements from eggs produced by the surviving fish. They successfully bred and reared over 300 fish to adulthood. This was an unprecedented, remarkable achievement, far beyond the program's already challenging technical demands.



Left to right: Technician Oddo expresses eggs from Koi in preparation for fish spawn, photo by WA Corrections; The 10-week old fish (fry) are fed brine shrimp raised at SCCC and a mix of algae and bacteria grown in the aquaponics greenhouse, photo by Anna Duron.

The COVID-19 pandemic required putting the EVM program in stasis, one of many changes in 2020. Instead, SPP pivoted to working with SCCC to develop protocols and cultivation techniques to produce microgreens for facility food production. In 2021, SPP hopes to provide supplementary nutrition through micro-green production in the EVM program.



Left to right: Coir mats growing brassica seedlings in the microgreen pilot project; Technician Hieronymus sowing a portion of microgreens harvested during the pilot project. Photos by Anna Duron.

Training and Education, All Conservation Nurseries

SPP's Conservation Nursery Program Coordinators provide regular guidance and education to incarcerated technicians leading to credit eligible certification. The coordinators also serve as the primary point of contact for all partners, including the WA Corrections staff that supervise and counsel the technicians. All the workshops and lectures listed below were presented from July 2019 to March 2020.

Table 17. Prairie Conservation Nursery Education and Certification, July 2019 – December 2020 (see [Appendix 3](#) for abbreviations).

SCCC Conservation Nursery		
Sessions (30 – 90 minutes)	Number of Sessions	Attendees
SPP Programs Overview	1	12
Prairie Charrette Introduction	1	12
Coastal prairie mats	1	12
Weeding and inventory	1	12
Wetland plant mats	1	11
Prairie soils and geology	1	11
Soil test sample analysis	1	11
Research papers in aquaponics/horticulture	1	11
SCCC Prairie Subtotal	8	
SCCC Emergent Pre-Vegetated Mat		
Sessions (30 – 90 minutes)	Number of Sessions	Attendees
Oxidation states	1	2
Presentation on aquaponics and EVM to SCC Workshop Series by technicians	1	2
Introduction to genetics; genetics and domestication	1	2
Wetland Refresher: Basic knowledge of wetlands	1	2
General Chemistry Refresher: Lewis Structures and Electron Configuration	1	2
Introduction to Evolution	1	2
Natural Selection, Evolution, and Darwin's Finches	1	2
How is a Species Formed; Subspecies and Ecotypes	1	2
Mycorrhizal Fungi	1	2
Effects of pH on nitrogen transformations in media-based aquaponics	1	2
Humus and Humic Substances and their Benefits in a System	1	2
Denitrification	1	2
Foliar application of humic acid	1	2
Periodic Table, Covalent Bonds, and Atomic Weight	1	2
Formal Charges and Electron Configuration	1	2
Nomenclature in Chemistry	1	2
Food Handlers Safety	1	2
Ammonia Excretion across Fish Gills: NH_3 Diffusion and Transepithelial NH_4^+ Diffusion	1	2
Mechanisms of Ammonia Excretion: Apical Exchange and H/NH_4 Exchange	1	2
SCCC EVM Subtotal	19	
WCCW Conservation Nursery		
Sessions (30 – 90 minutes)	Number of Sessions	Attendees
Symphony of the Soil	1	3
Forest Ecology	1	2
Seed: The Untold Story	1	3
Prairie Plants: ARCUVA	1	3

Prairie Plants: AQUFOR, LOMTRI, LOMUTR	1	3
Acorn biology/chemistry	2	3
Seed Scarification	1	3
Prairie Plants: IRITEN, LITPAR	1	3
Value and perception of restoration	1	3
Mycorrhizal fungi and roots	1	3
Prairie conservation at WCCW	1	3
Silverspot butterfly and habitat lecture	1	2
Nursery Soil and Irrigation	1	2
Plant I.D. and ecology workshops	1	2
Botany and ecology workshops	1	2
Prairie plant sowing and care	2	2
COVID-19 Safety, Protocols, and Statistics	4	2
<i>Viola</i> propagation and soil requirements	1	2
<i>Quercus</i> cultivation	1	2
Germination Percentage, Counts, and Analysis	4	2
<i>Fragaria</i> Ecology	2	2
WCCW CvN Subtotal	30	
WCC Prairie Seed Garden		
Sessions (30 – 90 minutes)	Number of Sessions	Attendees
Weed control workshop	2	5
Soil Management Series	2	5
Defining a Species	1	7
Seed Ecology	2	7
Nursery Bed Repair	1	6
Nursery Protocol Review	1	7
Plant Evolution and Selection	1	5
Plant Workshop PACMAC	2	7
Prairie Plant ID	1	7
Seed Cleaning Protocols	4	4
COVID-19 Safety, Protocols, and Statistics	4	7
Ecological Restoration Introduction	1	12
WCC CvN Subtotal	22	
Total education sessions	79	
Certificates awarded	Technician (400 hrs)	Specialist (800 hrs)
SCCC Prairie Conservation Nursery	10	1
SCCC Emergent Vegetated Mats	0	1
WCCW Prairie Conservation Nursery	0	4
WCC Prairie Seed Garden	0	0
Certificate Totals	10	6

Taylor's Checkerspot Butterfly (TCB) Program

Our flagship pollinator program rears and releases Taylor's checkerspot butterflies (*Euphydryas editha taylori*), a federally-endangered species that once flourished from southern British Columbia to central Oregon. The SPP rearing facility at MCCCW adds to the scope and resilience of the recovery efforts, and provides incarcerated people education, training, and certification. Program partners include WDFW, USFWS, JBLM/DoD, and Oregon Zoo.

Since 2011, program participants reared more than 30,000 caterpillars and adult butterflies for release onto south Salish lowland prairies. More than 35 incarcerated technicians have received education and training, six graduate students have coordinated the program, and seven WA corrections staff have served as liaisons. Since 2013, SPP has issued 21 certificates for incarcerated technicians who have completed the program. Rearing outcomes are summarized in the following table. All larvae were released in March 2020 as butterfly captive breeding has been discontinued as part of species recovery planning.



*Close up of Taylor's checkerspot butterfly in the wild.
Photo by SPP Staff.*

Table 18. Taylor's checkerspot butterfly breeding season, April 2019 – March 2020.

Cohort	Diapause In	Diapause Out	Total Released
Previous Season Cohort	164	162	133
Wild Cohort	3,418	3,408	3,405
Captive Cohort	2,353	2,342	2,333
Quality Control	14	14	16
Total	5,949	5,926	5,887

Table 19. Wild Taylor's checkerspot butterflies transferred to MCCCW and resulting larvae into diapause, April 2020.

Greenhouse	# Wild TCB	# Productive Wild TCB	# Resulting Larvae	Larvae into Diapause
Turtle	15	12	1,555	1,550
Raven	14	11	2,266	2,255
Total	29	23	3,821	3,805

COVID-19 Response

As with all SPP programs, our first priority is health and safety. The COVID-19 pandemic was unfolding just as Taylor's checkerspot butterfly larvae were waking from diapause in 2020. In mid-March, the decision was made to release all larvae into approved field sites, temporarily suspending the program to evaluate if it could safely continue. We were able to restart the program in late April 2020, but only after extensive conversations with *all* partners, careful planning to outline safety precautions (implementing CDC guidance), and identifying options for providing program support. Most importantly, we worked to ensure that butterfly technicians were comfortable continuing. They expressed a strong desire to restart, noting that being out in the program area allowed them more distance from other people and that maintaining the program provided them with stress relief during these challenging times.



Butterfly technician, Erin, inside on of the greenhouses with an oviposition chamber. English plantain grows in pots in the foreground. Photo by Marisa Pushee.

Program highlights in this reporting period:

- MCCCW sent roughly 5,800 total caterpillars to be released, retaining none.
- SPP continued to provide educational materials to our incarcerated partners with most completed individually or within small peer groups.
- Butterfly technicians received several days of training on all aspects of plantain care. They are propagating plantain food plants from seed as well as maintaining plants in raised beds.
- Program Coordinator, Carly Boyd, started her graduate thesis which will analyze multiple years of program data to inform environmental targets.
- The 2020-21 season started in late April with 23 wild adult female butterflies, resulting in early fall 2020, 3,705 into diapause.

Table 20. Butterfly program education and certification, July 2019 – December 2020.

In Person and Remote Education Sessions (30 – 90 minutes)	Sessions	Participants
Propagation and transplantation of host plant & building raised beds	2	4
Preparing soil and starting host plant seeds	2	3
Beekeeping education packets - Remote education	5	3
Northwest Earth Institute Discussion Course on Reconnecting w/ Earth	6	3
Northwest Earth Institute - Choices for Sustainable Living	8	3
Northwest Earth Institute - Seeing Systems: Peace, Justice, & Sustainability	6	3
Total Education Sessions	29	
Certificates Awarded	Recipients	
Butterfly Rearing and Research Specialist, 1500 hours	3	

Forage Production

Estimating, planning, and providing adequate larval food sources for Taylor's checkerspot butterflies has been a challenge in TCB captive rearing programs. The 2020 season provided the opportunity to analyze feed data from previous years and match plant production on site at MCCCW with expansions in larval numbers over the past three years. During the fall of 2020, 23 cloched garden beds were completed with over 1,000 robust *Plantago lanceolata* (plantain) available as larval food resources in 2021. All aspects of plantain care and cultivation are now led by butterfly program technicians at MCCCW. Updated protocols and training were provided fall 2020. Technicians learned how to sow seeds, make root divisions, install cloche covers, and care for plants.

Biological Science Programs at LCC and CCCC: Western Pond Turtles, Woodpecker Nest Monitoring, and Aquaponics

Due to the COVID-19 pandemic and SPP staffing changes, significantly less support was available to technicians in these programs from mid-March 2020 to December 2020. The SPP Program Coordinator and external partners were not able to visit programs for a significant portion of this reporting period. Limited remote education materials were provided for technicians. Unfortunately, the typical level of detail describing education materials, workshops, and training offered to technicians are not available for this suite of programs, for this reporting period. All technicians at LCC and CCCC received workshops on western pond turtle recovery and care, including content delivered by WDFW biologists and veterinarians. Technicians at CCCC also received remote education materials including beekeeping education packets. During this reporting period, one program technician earned a Turtle Rehabilitation & Research Specialist certificate (representing over 1,000 hours). Certificates for this program are being revised to reflect the suite of programs anticipated to restart and new education being added in 2021.

Western Pond Turtle Program

The western pond turtle (*Actinemys marmorata*) is a state-listed endangered species and federal species of concern. Led by [Washington Department of Fish and Wildlife](#) (WDFW), partners have been working toward species recovery since the late 1990s. At the start of recovery efforts, only about 150 turtles remained in the wild in Washington State.

In 2013, SPP joined the effort specifically to assist with the rehabilitation of turtles afflicted with a "shell disease." Partners for these programs include WDFW, [PAWS Wildlife Rehabilitation Center](#), [Woodland Park Zoo](#) (WPZ), and [Oregon Zoo](#) (OR Zoo). Affected turtles require a period of acute care provided by veterinarians. After



A turtle technician happily poses for a photo with a Western pond turtle. Photo by Marisa Pushee prior to the COVID-19 pandemic.

receiving veterinary care, some turtles from the Salish lowland population are moved to CCCC in 2013 and some turtles from the Columbia Gorge population are moved to LCC in 2015. Turtles at CCCC and LCC receive extended care provided by trained incarcerated technicians. As each turtle heals, they can be released back into the wild where they are monitored by WDFW. The tables below provide yearly data related to turtles released at each facility.

During this reporting period, turtles were cared for by technicians for a shorter duration than usual; they arrived at each prison in January 2020, but were transferred back to veterinary care facilities by mid-March as precaution in response to the COVID-19 pandemic. All turtles were later released from veterinary care and back into the wild as health and environmental conditions were suitable.

Table 21. Western Pond Turtle Rehabilitation at CCCC, August 2013 - March 2020.

Year	Turtles Received	Turtles Released
2013	8	2
2014 ⁱ	28	28
2015	8 ⁱⁱ	6
2016	9 ⁱⁱⁱ	5
2017	4 ^{iv}	10
2018	9	9
2019	10	10
2020	11 ^v	11 ^v
Total	87	81^{vi}

i Differs from reported 2016 totals due to the addition of previously missing data

ii 7 of 8 turtles were being re-treated

iii One of these was humanely euthanized due to a neurological abnormality

iv 3 of 4 turtles were being re-treated

v Due to COVID-19, turtles were transferred back to PAWS rehabilitation center before being released

vi In 2017, 4 turtles were sent back to PAWs for exams and 1 was euthanized see iii above

Table 22. Western Pond Turtle Rehabilitation at LCC, December 2015 – March 2020.

Year	Turtles Received	Turtles Released
2015	5	0
2016	11	9
2017	5	12
2018	11	11
2019	10	10
2020	9 ⁱ	9 ⁱ
Total	51	51

i Due to COVID-19, turtles were transferred back to OR Zoo before being released



Left to right: Technicians check on a turtle in Western Pond Turtle program; Western pond turtle in the wild. Photos by Marisa Pushee.

Woodpecker Nest Monitoring Project

In 2017, SPP began a woodpecker nest monitoring project with biologists from the [US Forest Service](#) (USFS), technicians caring for turtles, and staff at CCCC. Other participants in this project include enrolled college students at several academic institutions. The primary goal of the research program is to learn more about a keystone species of woodpecker nesting in the western U.S. The program involves education, training, and monitoring video footage of activity at 85 woodpecker nesting sites. Technicians review video to document woodpecker nesting ecology, behavior, and potential predator activity. This information will help identify actions that may increase woodpecker nesting opportunities and contribute to forest health.

Biologists with the USFS trained program technicians on video monitoring, bird and mammal identification, and forest health issues. The last education and training session for this program was offered in November 2019. Technicians incorporated up to a couple of hours of woodpecker nest video review into their daily routine. Their observational data has been an integral part of the woodpecker research study and provides valuable education and training. This project successfully concluded in August 2020. USFS expressed their gratitude for the assistance they received and they are committed to sharing research results with incarcerated participants.

Aquaponics Program

The aquaponics program at CCCC offers a small-scale demonstration of “closed-loop” systems by recycling water and converting nutrients from fish waste and bacterial respiration into a rich growing environment. The system was developed through partnership with Symbiotic Cycles, SPP-Evergreen, and WA Corrections. The goal of the aquaponics project is to provide technicians opportunities to learn about sustainable food systems. During this reporting period SPP-Evergreen coordinated and funded virtual consulting for Symbiotic Cycles to deliver support for system operation.

Sheep Conservation Program

Historically, bighorn sheep were widespread in western North America. By the turn of the 20th century, populations had dwindled to near extinction, and recovery efforts were needed to return them from the brink. Today, the biggest threat to bighorn sheep is pneumonia triggered by a bacteria called *Mycoplasma ovipneumoniae*, or *M. ovi* for short. The bacteria are commonly carried by domestic sheep and goats which come in contact with wildlife. Raising *M. ovi*-free domestic sheep can protect wild bighorn sheep from the devastating pathogen. Currently, there are no private domestic sheep breeders that specialize in raising *M. ovi*-free animals.

In 2015, WDFW introduced SPP leadership to the idea of a pilot program to breed *M. ovi*-free domestic sheep. Spring 2018 was the program's inaugural season. Program partners include WDFW, local sheep husbandry experts, and SPP partners at WA Corrections and Evergreen. All animals in the flock are tested for the pathogen prior to arrival and multiple times throughout each season. [Washington State University](#) provides pathogen testing and other program guidance. Program findings and protocols will be shared broadly as they are developed.

During this reporting period there were several changes to the program, and most components were able to successfully continue. In November 2019, partners met following security issues in the program area. As a result, the group had to cancel a planned educational trip for technicians to view bighorn sheep in their natural habitat and make security adjustments to program operation. With these changes, technicians were able to continue their involvement in the program.

In Spring 2020, the Suffolk ewes housed at the prison gave birth to 21 lambs: 7 females and 14 males. Three ewes did not produce lambs. There were no "bummer" lambs requiring human intervention for care and feeding during this reporting period. One yearling ewe, one adult ewe, and one ram lamb died in 2020. Each of these animals passed away from a different likely cause, including harassment/predation, poor health, and a fatal injury sustained from fighting with another ram. A few animals in the flock did test positive for *M. ovi*, but were successfully treated. Several sheep were sold at market to maintain reasonable flock size and health.

Throughout much of 2020, technicians were still able to provide general care and feeding for the flock, treat animals with vaccines, install ear tags, and in a few cases, assist ewe mothers in the birthing process. In late summer/early fall 2020 as COVID-19 cases surged, technicians weren't able to access the program area as they were quarantined. Sheep husbandry experts, Gerry Glenn and Gerry Kjack, and several corrections staff ensured animals received daily care in their absence.

Composting with "Bugs"

The composting program housed by the Washington State Reformatory (WSR) at [Monroe Correctional Complex](#) was founded in 2010, primarily by two incarcerated technicians with support from corrections staff. To transform waste into valuable resources, technicians work with three kinds of "bugs:"

1. **Worms** (also known as red wigglers and the “vermi” in *vermicomposting*): Worms consume discarded grains, vegetables, and fruits. Their droppings are called *castings*, and worm castings are highly prized as fertilizer and soil amendment.
2. **Bokashi**: Specialist bacteria can ferment/pre-process citrus, dairy, and meats that the worms cannot.
3. **Black soldier flies**: Larvae of a stingless wasp (looks like a fly) can consume all kinds of food waste; they turn it into more larvae that are prized as high-quality animal feed.

These approaches to composting represent relatively new technologies. Building on earlier studies, the WSR program has developed and tested their methods.

In 2017, the program worked with incarcerated technicians and instructors, Seattle’s [Tilth Alliance](#), [University of Washington](#) composting experts, and SPP-Evergreen to create a program certification eligible for academic credit at The Evergreen State College. For several years, [University Beyond Bars](#), provided the vital support for peer-led course instruction by supporting incarcerated individuals who served as teaching assistants and peer educators. In August 2019, the education program was suspended. Despite several attempts by all partners, the education component was not restarted prior to the pandemic and has been on hold throughout the remainder of this reporting period. Prior to program suspension, three cohorts of students graduated from the program. In November 2019, the last group of 8 students received their certificates in a joint graduation event with University Beyond Bars.



Composting technicians in the program show off their compost bins. Photo by Erica Benoit.

6. Restorative Nature Programs

“I just think that’s the ticket...bringing live plants and the butterflies, it humanizes us again. It gives us hope. It just gives us more.”

– Formerly incarcerated partner, Brian Bedilion

SPP aims to bring nature inside prisons for its restorative benefits. Previously, SPP considered restorative nature programs to be those that focused on relieving the stress of prison environments for its inhabitants. We have since broadened our definition to include the added benefits of providing wildlife habitat. Even so, the benefit to humans is the most important goal, as scientific literature shows that when nature is available within institutional and urban environments, inhabitants experience many positive, therapeutic benefits. In



Flowers growing in the gardens at SCCC. Photo by Joslyn Trivett.

particular, the [Nature Imagery in Prisons Project](#) team, led by SPP co-founder Nalini Nadkarni, found that even “vicarious” nature exposure (in the form of nature videos) has beneficial results for incarcerated individuals and staff in the area. Less formally, the therapeutic values of SPP’s programs have been recognized widely and consistently by both incarcerated and staff partners.

While all SPP programs are intended to offer positive contact with nature, the initiatives detailed below include enjoying nature and/or providing wildlife habitat as their *primary* functions. Overall, SPP-Evergreen’s influence on nature imagery programs has been reduced, and many of these specific initiatives have been suspended due to the COVID-19 pandemic. The table below aims to represent the status of various initiatives reported by WA Corrections.

Table 23. Restorative nature and wildlife habitat efforts, July 2019 – December 2020 (see [Appendix 3](#) for abbreviations).

Prison	Programs	Status & Highlights
AHCC	Pollinator plantings	Flowers throughout the prison for human & wildlife well-being; pollinator stations with bee-friendly plantings
AHCC	Culturally relevant plantings	Rows of native herbs (lavender, sage, and sweet grass) blessed by local Native American Elder and to be used in the Native American services
AHCC	Nature imagery	Individuals in maximum security area have access to nature videos
CBCC	Flower gardens	Continued upkeep of 500 perennials planted last reporting period
CCCC	Pollinator-friendly flowers	Planted ~15,000 annual flowers (grown from seed in facility greenhouses) around facility grounds

CRCC	Heritage and flower gardens	Garden designed by incarcerated individuals using native plants, honors cultural and natural heritage of area and minimizes water needs; continues to thrive and add visual beauty
CRCC	Land restoration	Restoration of native vegetation outside the fence; propagated and grew 11 native species
CRCC	Pollinator garden	4 acre garden for bees and other pollinators in minimum prison
LCC	Bird feeders	Feeders throughout the facility; rehoming of baby birds that fall from nests
LCC	House plants	Nearly 300 houseplants in living units for incarcerated people
MCCCW	House plants	All living units have houseplants and numerous staff have plants in their offices; plants continue to thrive
MCCCW	Flower gardens	Flower gardens for every living unit; continued cultivation of existing flower beds, front area revamped with increased use of pollinator-friendly wildflowers
MCCCW	Bird boxes	20 bird boxes, 2 bird feeders
MCC-SOU	Flower gardens	Flowers planted by staff and incarcerated residents
MCC-SOU	Nature Imagery	Not active during this reporting period; resumed in 2021
MCC-TRU	Pollinator plantings	~4,000 ft ² of gardens with lots of flower and pollinator plantings
MCC-WSR	Bird habitat	Multiple bird houses and hummingbird feeders around Education Building and Gate 7; added one special feeder with wood burning art on the side
MCC-WSR	House plants	Houseplants throughout facility (4th floor/hospital area, staff areas); supplied more plants and decorative wood pots for staff, made 3 new pots from recycled barrels for hospital outdoor area
MCC-WSR	Flower gardens	Flowers gardens to benefit human and wildlife well-being
OCC	Water features	2 living units have fish ponds; the other has a fountain and basin
OCC	Flower gardens, boxes, baskets	Each living unit has several garden beds planted and maintained by residents; hanging baskets and flowering beds throughout the facility for both staff and incarcerated people
SCCC	Pollinator plantings	Pollinator plants & flowers in every garden and next to greenhouses for human & wildlife well-being; 2 more gardens outside the fence; added pollinator garden around new beehive area
SCCC	Lifer garden	Large garden space dedicated to incarcerated men not eligible for parole
SCCC	Bird houses	Added 2 new birdhouses to the existing 40 throughout facility
WCC	House plants	Plants in all shared and staff areas; due to staff working from home 2,110 house plants were donated in 2020
WCC	Flower gardens	Flower plantings throughout the campus; began using thermal heating in raised garden bed greenhouses to improve efficiency
WCCW	Pollinator plantings	Hanging baskets, perennial and annual pollinator-friendly flowers throughout facility; horticulture group planted additional ~4,000 flowering plants throughout the grounds
WSP-South Complex + MSU	Rental garden boxes	Raised bed garden boxes available to rent by incarcerated individuals; limited movement during pandemic caused some difficulty in accessing gardens
WSP-MSU	Pollinator plantings	Flowers gardens, boxes, and baskets; added several new planter boxes and a pollinator garden of clover

7. Community Contribution Programs

Community contribution programs directly provide services and/or goods to nearby communities. They involve for example, training pets for adoption or service and donating crafts and products (firewood, quilts) derived from reclaimed materials. Other community contribution programs provide services such as habitat restoration and thinning trees.

Typically, these programs are partnerships between prisons and community organizations that help organizations increase capacity and provide incarcerated individuals with opportunities to contribute to the world outside the fence. Many of these programs predate the formal SPP partnership; SPP-Evergreen's role is to acknowledge and support these productive partnerships and provide a comprehensive overview of activities taking place statewide. SPP's conservation and sustainable operations programs also make community contributions; for example, the [Conservation Nurseries](#) provide thousands of plants to regional restoration.

Overall, these programs were greatly impacted by the COVID-19 pandemic, as the vast majority of programs (like community work crews and the animal programs) were suspended until further notice.

Dog and Cat Programs

Prior to the pandemic, dog and cat programs were common in prisons across Washington State. Nearly all of Washington's prisons have one or more partnerships with community nonprofits for pet programs. Incarcerated individuals receive education and support from those partner organizations to provide excellent animal care and obedience training, and—in a few cases—service or therapy training. We have heard from incarcerated participants and staff that pet programs are a benefit to all directly involved, and to the larger prison community as well. Often participants of these programs describe working with dogs or cats as transformational.



A happy reunion between dog handlers and former dog in the WAG! program at CBCC. Photo by Brian Harmon.

In this reporting period, more than 500 dogs and cats were cared for and trained in WA prison programs. This number is significantly smaller than years past because most animals were taken out of prison early on in the pandemic. Further details, where provided, are shown in the following table.

Table 24. Dog and cat programs, July 2019 – December 2020 (see [Appendix 3](#) for abbreviations).

Prison	Program	Program Partners	Highlights, if provided
AHCC	Pawsitive dog training	Diamonds in the Ruff, SpokAnimal, Spokane Humane Society	Program is 100% self-sustainable by community donations and fundraising with art and crafts projects donated to Spokane Humane Society. Despite program suspension due to COVID-19, 174 dogs graduated from the program at the end of the 26 th session. The Sustainability Lab created and donated dog vests to Spokane Humane Society and Diamonds in the Ruff. Re-union event held to bring together dog, new owners, and former handlers.
CBCC	Dog training and adoption	Welfare for Animals Guild (WAG!)	Dogs temporarily removed due to COVID-19 and then returned to later be adopted in December 2020. Classes continued without dogs.
CBCC	Cat program	Welfare for Animals Guild (WAG!)	Cats were removed from the facility in March 2020 due to COVID-19 but returned a few weeks later. The program successfully fostered and adopted out 65 cats/kittens during this reporting period.
CCCC	Training dogs for veterans	Brigadoon Service Dogs	Program currently has 5 trainers, 5 secondary trainers, and 5 dogs. 3 dogs graduated in the last year.
CRCC	Ridge Dogs	Benton Franklin Humane, Adam County Pet Rescue	132 dogs graduated from the program in the past year!
CRCC	Service dogs for veterans	Brigadoon Service Dogs	Program currently has 2 dogs and is looking to expand to 4. The goal is to maintain 8 trainers and 2 assistants for the program.
LCC	Dog Adoption Program	Humane Society for Southwest WA (HSSW)	3 dogs were trained, and 30 dogs and 6 puppies were adopted by HSSW and rescue partners.
LCC	Cat Adoption Program	West Columbia Gorge Humane Society, HSSW	
MCC-SOU	Cat program	Purrfect Pals	25 kittens and 6 adult cats were fostered since Jan 2020; most have been adopted out. Over 900 cats have been adopted since 2006.
MCC-TRU	Dog training and adoption	Summit Assistance Dogs	Program was suspended in March 2020 due to COVID-19. 4 dogs returned in Dec 2020 and are currently being trained.
MCCCW	Pawsitive Prison Project	Kitsap Humane Society	
OCC	Dog training and adoption*	Olympia Peninsula Humane Society	Program was suspended due to COVID-19 and plan to start again in Fall 2021.
SCCC	Service dogs for veterans	Brigadoon Service Dogs	4 dogs were trained to the needs of individual veterans in the past year. 4 more dogs are still in training.

WCCW	Prison Pet Partnership	Self-supporting	This is the first in-prison pet program in the country! In the past year, 32 dogs were trained, 11 companion animals were adopted, 7 service dogs were placed, and 18 incarcerated people were employed.
WSP	BAR Units kitten program	Blue Mountain Humane Society	
WSP-MSU	Dog Program*	Walla Walla Humane Society	Program is currently suspended

*indicates program is currently suspended



A dog handler (pictured left) at WCC and his dog in training, Biscuit, attend an SPP Workshop on climate change in January 2020. What a fun confluence between SPP programs! Photo by Erica Benoit.

Reclaim, Repurpose or Restore, and Donate Programs

Consistent with the earliest days of SPP programs, WA prisons strive to “throw nothing away,” to transform potential refuse into something of value. In some cases, these programs’ creations directly meet an organization’s need: donating quilts to a shelter for people experiencing homelessness, refurbished computers for schools, and growing produce for food banks. In other cases, programs donate handmade or restored creations for organizations’ fundraising events. Some of these programs were adapted to manufacture personal protective equipment (PPE) that was desperately needed during the pandemic. These programs are best illustrated by statewide numbers presented in the following table. These numbers are likely underrepresented due to reduced capacity for reporting from facilities this reporting period.

Table 25. Community contribution programs statewide, July 2019 – December 2020 (see [Appendix 3](#) for abbreviations).

	Reported Statewide Totals (approximations)	Highest Impact Facility
Garden area	22+ acres cultivated	WSP institutional garden: 10.5 acres
Produce grown	243,300+ lbs. to food banks & prison kitchens	WSP institutional garden: 88,584 lbs.

Crafts & furnishings from reclaimed materials	24,000+ items donated	WSP's Sustainable Practices Lab (SPL): 22,175 items
Refurbished bicycles and wheelchairs	1,326 repaired and donated	MCC-WSR: 822 items
Refurbished computers	17,268 computers and laptops	AHCC: All
Firewood	1,190 cords donated	AHCC: 1,000 cords
COVID-19 PPE	49,361 items (i.e. masks, face shields, and barriers)	WSP's SPL: 20,785 items



Washington State Department of Corrections

Yesterday at 9:43 AM · 🌐

Earlier this month, Director of Development Ann Marie Byrd from Catholic Charities of Eastern Washington accepted 35 handmade quilts from participants in a community quilting program at Airway Heights Corrections Center.

In the program, incarcerated individuals recycle state material and fabrics into handmade quilts for local organizations.

@CatholicCharitiesEasternWA

#Partnership #Quilt #modernquilting



Above: An impressive array of toy boxes created in the Toys for Tots program at CRCC. Photo by Erica Benoit.
Left: Screenshot of Washington Corrections social media post from July 2019 about the AHCC Quilting Program.

Table 26. Community contribution programs to reclaim, repurpose, restore, or donate, July 2019 – December 2020 (see [Appendix 3](#) for abbreviations).

Prison	Programs	Program Partners	Highlights
AHCC	SPL: Quilting	Blessings Under the Bridge, AHCC Medical End of Life Patients, Catholic Charities of Eastern Washington	Fabric is repurposed to create quilts for donation. 12 quilts were started before COVID-19. The program converted to mask making for the incarcerated population and made approximately 5,200 masks!
AHCC	Computers 4 Kids	Office of the Superintendent of Public Instruction, WA Department of Enterprise Services	In the past year, 3,183 computers were refurbished for schools, plus 13,544 to surplus. Technicians refurbished 541 laptops to aid state employees working from home

			due to the pandemic. Incarcerated technicians learn basic diagnostics and can test for certification, plus learn office skills (Excel, Access) and shipping skills (e.g., forklift experience).
AHCC	Firewood donation	Spokane Neighborhood Action Partners (SNAP)	Crews prepared approximately 1,000 cords to deliver to SNAP clients prior to COVID-19 program suspension. DNR provides wildland fire trainings and prison staff provide firewood and chipper trainings.
AHCC	Gardens		8,318 total pounds of produce was grown and donated to the community.
CBCC	Vegetable gardens	Clallam Bay Food Bank	~1,400 lbs. of produce was grown and donated: 972 lbs. to the Clallam Bay Food Bank and 423 lbs. to the CBCC kitchen.
CBCC	Ozette potato program	Local tribes	Program grows Ozette and Peruvian Purple seed potatoes for donation to local tribe to help replenish cultural staples: 125 lbs. given to Makah Tribe.
CCCC	Gardens	Centralia College, Littlerock School District	~10,000 ft ² of gardens yielded ~15,000 lbs. of produce. Program also grew pumpkins for prison family events.
CCCC	Construction: tiny homes	Centralia College	6 tiny homes were built for people experiencing homelessness community and 2 chassis for larger “tiny cottages.”
CRCC-MSU	Gardens, Minimum		The garden was moved inside of the fence to provide more jobs for incarcerated individuals; ~72% of produce grown was donated to local food banks.
CRCC-Main	Gardens, Main	Harvest Now	Each unit provided two small gardens, creating jobs for incarcerated individuals.
CRCC	Teddy bears from reclaimed materials	Hospitals, API events held at CRCC, ARC of Tri-Cities, Franklin County Sheriff’s Office	Despite temporary suspension due to COVID-19, incarcerated individuals created and donated ~50 stuffed animals to children of incarcerated individuals and the Parenting Inside Out program.
LCC	Wood craft donations	Friends of the Carpenter, Skamania Fly Fisher’s Assoc.	Program created and donated 18 jewelry boxes.
MCC-TRU	Gardens		Nearly 8,000 lbs. of produce was grown: 7,600 lbs. donated to local food banks and schools, and 386 lbs. went to the prison kitchen.
MCC-TRU	Community Aide Coalition: quilting,	Over the Rainbow Fabrics, Dolly Haakenson, clothing and textile advisors of Snohomish County	The sewing group with Community Aide Coalition provided 5,184 hours and donated 120 quilts. The program converted to mask

	crochet, textile arts	donate materials; crafts donated to Interfaith Family Shelter, Westlake Shelter, Hope Crew, Swedish, Evergreen, Seattle Children's and Providence Hospitals, Rainbow Center, Evergreen Hospice, Little Bit Therapeutic Riding Center, Summit Assistance Dogs, Holy Rosary Church, Rotary First Harvest, East County and Monroe Senior Center, and many more.	making for the incarcerated population, sewing over 7,000 cloth masks!
MCC-WSR	City of Monroe public flowers	City of Monroe donates seeds and soil	Over 2,500 begonias were grown for city flower beds.
MCC-WSR	Vegetable gardens	CI Food Services donated seeds	17,430 ft ² of garden space was added. 11,360 lbs. of produce was grown: 6,565 lbs. donated to Arlington Food Bank and 4,795 lbs. for prison kitchen.
MCC-WSR	SPL Bicycles from Heaven	Bikes donated by Snohomish County Sheriff, Monroe PD, Marysville PD, Everett PD; donated to Snohomish County Boys & Girls Club and the City of Sultan for National Night Out	Program restored and donated 45 bikes to Boys & Girls Club. To date, more than 400 bikes have been refurbished and donated!
MCC-WSR	SPL Wheelchair program	Wheels for the World	777 wheelchairs were restored and shipped to the Philippines, Ghana, Global Aid Network, and Uganda.
MCCCW	GRACE (Gardening for Restoration and Conservation Education) Project	Kitsap Conservation District, Central Kitsap Foodbank	Crews worked 253 hours before program suspension due to COVID-19 in March 2020.
MCCCW	Vegetable gardens	North Mason Food Bank	720 ft ² of garden space grew ~1,100 lbs. of produce: 520 lbs. to the food bank and 572 lbs. for the prison kitchen.
OCC	Wood shop	Quileute HS scholarships, Cherish our Children, Forks Lions Club, CASA, Quillayute Valley School District, Relay for Life, Forks Chamber of Commerce, Timber Museum, Calm Waters and Forks Soroptimists; wood from Westport Shipyard and OCC Community Crews (DNR)	Annually, OCC donates outdoor furniture, wood toys and games, and other crafts to Quillayute Valley School District Scholarship auction. Picnic tables were designed and built for the Forks Timber Museum fundraiser, and signs were built to replace existing signs for the Korean War Veterans Highway and City of Forks parks and city office.

OCC	Firewood	Olycap, Quillayute Valley Scholarship Auction, Lake Quinault Fire Department, OCC Community Crews (DNR)	190 cords of firewood were cut and donated for Native American programs and other charities.
OCC	Vegetable gardens	Peninsula College, Sunshine and Rainbows Child Development Center, Quileute Tribe	~2,000 lbs. of potatoes and 500 lbs. of other produce were grown and donated to the Forks Food Bank. Additional 2,000 lbs. of potatoes and other produce were used in the prison kitchen.
SCCC	Gardens and greenhouses	Coastal Harvest Food Bank, Harvest Now	65,725 lbs. of produce was donated!
SCCC	Food bank fundraisers	Urban League of Metropolitan Seattle, Caring for Kids, Toy Time, Bicycles from Heaven, Bears from Behind Bars, Spokane Valley Partners Food Bank and Family Services, Coastal Harvest, Beyond Survival	Incarcerated individuals and staff raised and donated ~\$20,000 for nonprofits and donated 3,732 food items to Coastal Harvest Food Bank.
SCCC	Bicycle Repair	Lions Club	292 bikes were repaired and donated in the past year.
SCCC	Wheelchair Repair	Wheels for the World	212 wheelchairs were repaired, though shipments were delayed due to COVID-19.
SCCC	SBU Knitting Class	Family Promise	80 miscellaneous sized hats and 1 blanket were donated.
SCCC	Teddy Bear Program	Family Promise	30 teddy bears were created and donated.
SCCC	COVID-19 Community Fundraiser	2 local restaurants, 2 local bakeries	\$913 was donated to Family Promise. \$1,205 was donated to SCCC sustainability account for incarcerated people. \$165 was donated to the incarcerated redemption account.
SCCC	Special Events – Community Art Show		Outside guests attended an art show within the facility, which resulted in community partnerships and incarcerated individuals' art displayed throughout the community. Large piece of art sold for \$1,500.00, which went to Aberdeen High School for scholarships. Various other art projects were sold by several participating organizations in which proceeds went to various charities.
WCC	Plant starts	Hoodsport Kiwanis	Program grew starts in spring of 2020. Due to COVID-19 restrictions Hoodsport Kiwanis donated most of the plants back to the prison.

WCC	Vegetable gardens	Hoodsport Food Bank, Matlock Community Church, Thurston County Food Bank, Saint Pantry Food Bank	Despite a cool early growing season, 15 incarcerated individuals grew 30,140 lbs. of produce in 61,344 ft ² garden space! Half was donated to local food banks.
WCC	Shoe and clothing repurposing	CI	DOC facilities send used clothes to WCC for reuse and recycling; program processed 12,470 lbs. of t-shirt, boxer shorts, and socks in the past year.
WCCW	Gardens and greenhouses	Tacoma CC, WSU Extension, Pierce County	
WCCW	Sisters of Charity: quilts, fabric crafts, wildlife rescue	Community members donate supplies; various charities receive items	14,978 items were created and donated: 1,853 Tyvek gowns, 12,523 masks, 527 release bags, 66 quilts, and 9 sets of curtains for tiny houses.
WSP	Gardens and greenhouses: Institutional Sustainability Garden	Donated to Blue Mountain Action Council and New Beginnings	Despite COVID-19 impacts, 16,212 lbs. of produce was grown, which was either donated to charities or used in prison kitchen
WSP-SPL	Overview of numerous SPL programs, some detailed below	Receive materials donations from partners; donated to 550 charities since start of SPL in 2012	Program donated 9,000+ items to nonprofits and provided 12,750 items for state use. All technicians receive education and training. COVID-19 was a large focus for SPL: 20,785 COVID-19 related items (face shields, barriers, and over 15,000 masks) were made out of donated fabric for the community and state.
WSP-SPL	SPL: Wood Shop & Wood Carving		2,609 items were created for state use. 1,943 items created and donated to nonprofits and charities.
WSP-SPL	SPL: Furniture Repair		1,929 pieces of institutional furniture were repaired and put back into use.
WSP – SPL	SPL: Art Program	Various nonprofits partners	More than 492 unique and amazing paintings were created using recycled pallet wood and old bedsheets for canvas, which were donated to various charities.
WSP-SPL	SPL: Quilting		Using donated or cast-off fabric and thread, constructed 480+ lap quilts, quilts, and blankets for charity.
WSP-SPL	SPL: Green Zone		8,900 lbs. of produce was donated to Walla Walla Senior Center and local soup kitchens, in response to increased need for meals due to COVID-19. Farm to school still operated this year with the local school districts, and SPL supplied 1,200 starter plants and 2,000

			lbs. of compost. Educational learning for youth was also provided by Farm to school organizers.
WSP-SPL	SPL: Water treatment systems	Project 41, Ohio State University, Duke University, Suez, Worldwide assist, Assist International	New, larger scale water filter system project is in the planning stages: 5-year project with 300 large water filters to be constructed at SPL for large-scale project throughout the Navajo Nation.



AHCC donated an impressive amount of produce (8,318 pounds!) in response to the economic impact of the COVID-19 pandemic. Photo by WA Corrections.

Community Work Crews

Many incarcerated residents of minimum-security prisons (LCC, OCC, MCCCW, and CCCC) and units (Minimum Security Unit = “MSU”) may have the opportunity to join offsite crews working on public lands and community organization sites. The work can allow positive reconnection with outside communities. Unfortunately, the pandemic greatly limited the work of these crews, and many of them shifted to working within the grounds instead.

In all, it is estimated that 1,914 incarcerated individuals were employed in these crews during this reporting period. With so many programs statewide, SPP still has much to learn about if and how these programs fit the SPP model. Reported details are shown in the table below.

Table 27. Community work crew special projects, July 2019 – December 2020 (see [Appendix 3](#) for abbreviations).

Prison	Programs	Program Partners	Highlights
AHCC	Forestry	DNR	Crews work various timberlands including State Parks, regional parks, and private lands. Crews participate in careful planning and management of forest lands to aid in conservation of natural resources.
CCCC	Forestry	DNR	Off-site crews are trained in and practice re-forestation, wood-cutting, land clearing, and forest firefighting and fire prevention.

			Crews were dispatched to numerous fire projects and local wildfires, receiving recognition and appreciation from community members for their efforts.
CCCC	Community work	Multiple agencies	155 incarcerated individuals performed community work, providing a total of 16,050 hours of work for local, county, nonprofit and state agencies. Services included development of parks and recreational areas, litter clean-up, restoration at Mima Mounds, and removal of invasive/noxious weeds.
LCC	Forestry	DNR, USFS, Dept of Ecology	Crews planted ~541,000 trees across 1,500 acres over the course of 241 crew days. Crews were also dispatched to 28 fires, preparing and serving 15,726 meals, for a total of 19,042 hours of work. 63 crew members have been certified as Firefighter 2. Other services include forest fuel reduction, litter clean-up, and trail and campground maintenance.
LCC	Community work	Multiple agencies	Services include farming, reforestation, wood-cutting, brush and debris clearing, general landscaping, processing vegetables at food pantry, noxious weed removal, salmon habitat restoration, watershed improvement, development of parks and recreational areas, and other work to conserve natural resources.
MCCCW	Conservation crews	Kitsap Conservation District, Great Peninsula Conservancy, Jefferson Land Trust, WSDOT, WDFW, Suquamish Tribe Fisheries	Services include planting projects, invasive weed removal, creek and estuary flood control.
MCCCW	GRACE Project	Kitsap Conservation District, Central Kitsap Foodbank	Rotating crews grow vegetables for foodbank donation.
OCC	Community Crew	DNR, other agencies	Services include lawn and grounds care, trail improvements, brush cutting, fire-wood cutting, weed removal, storm debris clean up, stream restoration, fence construction, greenhouse construction, snow removal, some painting and construction.
OCC	Forestry	DNR, other agencies	Off-site crews are trained in and practice reforestation, wood-cutting, land clearing, and forest firefighting and fire prevention.
WSP-MSU	Community crew		Due to COVID-19 restrictions, work crews have been working on facility grounds for maintenance and landscaping.

8. Sustainable Operations

Sustainable Operations programs are unique as they are managed by a dedicated WA Corrections' Sustainable Operations Manager (also author of this section); this position was created by WA Corrections to monitor and reduce the environmental, economic, and human costs of prisons. Major sustainable operations initiatives include greenhouse gas emissions, energy, waste, and potable water use reductions.

Though this section typically provides energy, water, and waste data, those details are not available this reporting period. Over the past year, WA Corrections staff have been invested in the transition to a new data management system. WA Corrections expects this system to be operational mid-2021, which will result in more robust data collection and reporting. In light of this, we expect the next SPP annual report to include both 2020 and 2021 sustainable operations data. If you'd like more information, visit <https://www.doc.wa.gov/about/business/capital-planning/contact.htm> for relevant WA Corrections contacts.

Overall, the events of this past year significantly disrupted normal sustainable operations. Statewide recycling efforts slowed significantly or were halted altogether in response to the COVID-19 pandemic. Progress on other fronts, including greenhouse gas emissions, energy, and potable water use reductions remained fairly consistent and also benefited from concentrated attention on program development. The following section provides updates on recent sustainable operations initiatives.

Partnerships

Opportunities to Collaborate on Sustainable Operations and Energy Reductions

WA Corrections continues to support work with the State Efficiency and Environmental Performance (SEEP) Office. DOC participates actively in several of SEEP's work groups, as well as the Guidance Council and Governing Council. The results over the past year include collaborative processes, policy work, and funding requests with other state agencies to move the work of greenhouse gas emissions and toxics reductions forward. It has been a rewarding and productive partnership.

Sustainable Corrections Infrastructure Partnership

WA Corrections committed to the Department of Energy's Better Buildings Sustainable Corrections Infrastructure Partnership (SCIP) Accelerator. SCIP is a voluntary initiative to partner with state governments interested in accelerating energy and water efficiency, renewable energy, storage technologies, and energy management in their public correctional facilities while maintaining the sector's priorities of security and resilience.

Over the next three years, DOC will strive for portfolio-wide energy savings of 20%, as well as operating and maintenance cost savings by identifying and demonstrating solutions leveraging energy and water efficiency, renewable energy, and storage technologies. WA Corrections is working on three project areas and receiving technical assistance from the Department of Energy. Initial project areas focus on

the utilization of renewable energy and storage technologies to reduce the operational and maintenance cost of our facility UPS systems while increasing the facilities' resiliency.

Program Foundations and Planning

New Asset Management Program and Sustainability Database and Reporting System

Efforts this reporting period have been focused on transitioning to a new asset and sustainable operations management system, which replaces both the computerized maintenance management system and sustainable operations data management system. The new system will not only track recycling and waste generation activity but also more nuanced data related to building energy systems, predictive capital planning tools, and facility maintenance management. These last two components will be critical for successfully reaching our goals of greenhouse gas emissions reductions, resource conservation, energy and water use reductions, better workplace environments for those supporting our mission, and better living environments for incarcerated people.

WA Corrections has long held the premise that comprehensive planning and a robust, proactive maintenance program is the most cost-effective energy conservation measure at our disposal. There is also a rule of thumb that the simple act of monitoring energy usage can result in a five percent decrease in energy use. Ultimately, proactive facility maintenance and energy management results in energy conservation and cost avoidance. With this in mind, the new management system will assist in the development and maintenance of an energy management plan and will help facilities plan for and manage facility maintenance. In particular, the asset planning module of the software allows for tracking of facility equipment needs, which will aid in communicating those needs efficiently and proactively to build timely funding requests and budgets. This is worthwhile because deferred maintenance can result in higher energy consumption, major equipment failures, risk to safety and operations, and premature replacement of equipment.

Vehicle Fuel Use Reductions

Electric Vehicle Perimeter Patrol Pilot

Over the past few years, WA Corrections has been steadily increasing its use of electric vehicles for administrative uses and slowly expanding charging infrastructure. During this reporting period, the Department also kicked off a new pilot of all-electric vehicles (EV) for perimeter patrol use. The department had previously conducted pilot projects with the first generation of EVs both in the application of perimeter patrol and other business services and custody needs. Those initial trials revealed some challenges and shortcomings, which delayed further adoption of all electric vehicles at that time.

The new trial tested both non-traditional low-speed vehicles and traditional all-electric sedans as perimeter patrol vehicles at SCCC. This pilot, though not concluded, indicates a low acceptance of the low-speed all-electric vehicles and greater success with the traditional all-electric sedans for both vehicle performance and staff acceptance. The result is that WA Corrections, in collaboration with SEEP,

has requested funding to install EV chargers at 12 prisons and 8 work release facilities. This project will allow DOC to use EVs as perimeter patrol vehicles that operate continuously, something that EVs are better suited for than gas-powered vehicles. All in all, this would result in savings of \$1M per year in fuel costs alone. The total cost of ownership is also assumed to be lower for EVs resulting in additional cost savings related to vehicle maintenance. Conclusions from the pilot project still currently underway will be reported to affirm the validity of these expected benefits prior to implementing EV perimeter patrols statewide.

Energy

During this reporting period, WA Corrections focused heavily on energy project planning and development. Several energy audits were completed, and energy conservation projects have gotten underway. Summaries of the main projects follow.

- **CRCC Campus-wide Re-lighting and HVAC Recommissioning Project:** CRCC is comprised of two campuses: an older minimum custody facility and a newer medium custody facility. Completed in 2008, the medium custody facility is the nation's first LEED Gold correctional complex. In the past few years, the facility has seen energy increases, which were attributed to the "drift" in the facility's HVAC energy management controls system (EMCS). While the system is in good condition, sensors and equipment calibration drift over time and should be recommissioned to match actual building conditions. The existing system has been in operation for over 10 years, and the minimum-security campus relied on outdated thermostats, rather than an EMCS. The proposed solution was to install a matching EMCS system at the minimum custody facility and recommission the existing EMCS at the medium custody facility to match actual building conditions. This project allows for opportunities to reduce energy consumption and optimize system performance by eliminating simultaneous heating and cooling, optimizing schedules and set points, and identifying individual equipment that is driving heating/cooling loads on the entire system. Efforts also include inspecting and calibrating individually controlled devices for proper operation and replacing or repairing any malfunctioning equipment discovered during the audit.
- **LCC Biomass Boiler Project:** LCC is currently heated with an outdated and failing fuel oil hot water heating system. Two out of three boilers in the central plant have failed completely, and the underground hot water distribution system is experiencing significant leakage in spite of piecemeal attempts at repairs. The major energy efficiency upgrade will require replacing the failed backup boilers with a single new back-up boiler, replacing the hot water distribution loop, and adding a connection point for the new planned biomass boiler facility – a modern, efficient wood energy system. LCC currently uses about 74,000 gallons of fuel oil per year. The installation of the commercial production biomass boiler and fuel handling system will result in annual usage of only 2,470 gallons of fuel oil and 759 tons of wood fuel sourced locally from forestry by-products. This project will also reduce the facility's net greenhouse gas emissions from heating by 461 metric tons per year (91%), and will be the first of its kind among state facilities in Washington, providing a leading example for agencies pursuing state greenhouse gas reduction goals. The project will also provide a valuable market for local forestry byproducts,

supporting the beneficial use of these byproducts and reducing forest fire risk. WA Corrections has received \$750,000 in grant funding for the project and has applied for additional funds to fulfill funding needs. The anticipated project start is spring of 2021.

- **CBCC Co-Generation and Boiler Replacement Project:** The co-generation project at CBCC will provide the facility with site-generated electricity by capturing heat that is normally wasted, resulting in improved energy efficiency, reduced carbon emissions and energy costs. It will also provide the facility with some additional resiliency and energy security. The facility will also replace end of life boilers with new hydronic boilers to improve overall performance and increase plant capacity. Additional measures of the replacement include optimization of the associated heat exchangers, circulation pumps, feed water pumps and controls. Additional energy conservation measures included in this campus-wide energy project are:
 - replacement of interior and exterior lighting with high performance LED to reduce electricity consumption
 - replacement of the EMCS to improve equipment performance and monitoring
 - replacement of domestic water valves and addition of water controls to all plumbed cell units to drastically reduce domestic water consumption
 - addition of sub-metering to all campus buildings to provide visibility of building-by-building energy consumption, laying the groundwork to meet the new Clean Buildings Legislation (see below)
 - refurbishment of the heat recovery loop to recover waste heat from exhaust air streams and renew air handling equipment back to its initial functionality
 - retro-commissioning of campus buildings to identify and correct issues in the HVAC system, improving equipment performance and monitoring
 - investment in building capital planning and building maintenance software
 - robust preventive maintenance program to achieve energy, waste, water and toxics reductions
- **Clean Buildings Legislation:** The objective of the new Clean Buildings Legislation, HB1257, is to lower costs and pollution from fossil fuel consumption in the state's existing buildings, especially large commercial buildings. In particular, the legislation requires buildings of 50,000 square feet and larger to meet a target Energy Use Intensity (EUI) by 2026. In the meantime, building owners must demonstrate proof of progress towards compliance with the new standards or risk a financial penalty. To this end, WA Corrections conducted an initial survey prioritizing the facilities directly impacted by the legislation to identify where energy consumption meters are necessary to meet the legislative requirements. The Department has also initiated a more detailed audit to develop a metering installation and funding plan for all campuses. The Department is working closely with SEEP on the development of an Energy Management Plan guidance document and template to facilitate an efficient, effective response to the goals supported by this legislation.

Water

WA Corrections also received funding to begin reclaimed water projects at two Washington corrections facilities. Summaries of the projects follow.

- **Connecting WCC to the City of Shelton's reclaimed water line:** This project will install a new water line and water meter from the reclaimed water line located across the street from WCC. It will also route reclaimed water lines to select locations throughout the facility, install a storage tank, and a pressure pumping system. This project will allow WCC to use reclaimed water in lieu of domestic well water for irrigation, greenhouses, composting, and laundry.
- **Connecting AHCC to the City of Airway Heights' reclaimed water line:** This project will install a new water meter and water lines from the reclaimed water line located just outside the AHCC perimeter. It will also route reclaimed water lines to select locations throughout the facility, install a storage tank, and a pressure pumping system. The AHCC currently uses potable water for irrigation. Using reclaimed water for irrigation at the facility can reduce its use of potable water by up to 50% during the summer months. AHCC will also be able to use reclaimed water for greenhouses, composting, and laundry.

9. Sustainability Job Programs

SPP programs offer incarcerated participants job training, education, and sustainable living skills and ways to contribute to communities and ecosystems. The list included in Table 28 shows all WA Corrections sustainability job program placements during this reporting period (data provided by WA Corrections staff’s OMNI system; where job programs are known to be very similar, SPP-Evergreen combined those programs). These job programs represent an enormous variety of activities, most of which were initiated and run with little-to-no input from SPP-Evergreen partners. SPP-Evergreen aims to promote and support the educational enrichment of every program, and will continue to build partnerships and capacity toward this goal. To this end, the list includes all jobs documented and reported by WA Corrections staff involving sustainability, science, and contact with non-human nature, though we have removed a handful of job categories (such as groundskeepers or firewood stackers) which may be less relevant due to lack of sustainability/science education and training. This table also leaves out sustainability jobs that have been coded in a non-sustainability category (e.g. technicians working on composting and aquaponics at SCCC, and electricians who install energy efficient fixtures).



Two beekeepers at SCCC check the hives. Photo by Joslyn Trivett.

Approximately 3,710 incarcerated individuals held sustainability-related jobs during this reporting period, which is approximately 24% of the 15,644 people incarcerated in WA prisons in December, 2020. Additional individuals “volunteer” or participate in sustainability education programs and their contributions are not reflected here.

Table 28. Sustainability Job Programs in WA Prisons, July 2019 – December 2020. Note: Does *not* include “volunteers” (see above) and students (see [Education](#)).

Sustainability Job Program	# of Sites	# of Individuals
Aquaponics	2	7

Bee Conservation Tech / Class Facilitator	4	15
Bicycle Repair	1	2
Bike & Wheelchair Repair	1	13
Butterfly Rearing Tech	2	29
Cat Handler	4	138
Chicken Handler	1	24
Community Work Crews (includes 13 Clerks)	9	923
Compost Worker / Food Waste Recycler	3	27
Computer Refurbishing	1	16
Cultural Crafts Program	2	13
Dog Handler (includes service trainers)	13	278
Dog Walker	3	23
Forestry I Worker	4	977
Forestry II Worker	1	14
Gardening, Organic	1	91
Horticulture I Worker	11	226
Horticulture Worker II	3	31
Prairie Plant Conservation	3	63
Re-Use Fabric-Sustainable / Quilting	2	44
Recycling Worker / Recycling & Reclamation	14	584
Root of Success Trainer	8	24
Sheep Farming	1	20
Sustainability Clerk / Analyst	4	13
Turtle Technician	2	16
Waste Treatment Helper	1	2
Waste Treatment Operator I	3	30
Waste Treatment Operator II	2	17
Wood Working	1	2
Worm Farm Worker / Vermiculture	6	48
TOTAL		3,710

10. Research and Evaluation

Overall, options and opportunities for program evaluation and research involving people in prisons are greatly reduced. This section provides updates on evaluation occurring in SPP programs, research with external partners, as well as SPP involvement in graduate student theses.

SPP-Evergreen Program Evaluation

With WA Corrections Research and Data Analytics (RDA) staff support, SPP-Evergreen has regularly conducted quality assessment surveys with two types of program participants: Environmental Workshop Series students and Ecological Conservation technicians. Survey collection in these programs is *not* considered research, as they represent assessments of program quality that are used to create improvements. During this reporting period, the Workshop Series surveys were updated and improved based on incarcerated participants' feedback, as well as established research from the Cornell Lab of Ornithology. The updated surveys were briefly implemented in all workshop series host sites with apparent success. Unfortunately, all surveying in SPP programs was suspended in light of pandemic restrictions. The survey data collected in SPP-Evergreen programs thus far has not yet been analyzed.

On a biennial basis, SPP-Evergreen analyzes data related to demographics and recidivism for three sets of SPP program participants: Roots of Success instructors, Roots of Success graduates (students), and Ecological Conservation technicians. This data was previously analyzed and reported in the SPP FY19 Annual Report; 2020 did not represent a year in which we request and analyze this data. For more information on the latest findings, see <http://sustainabilityinprisons.org/resources/spp-results/>.

Research with External Partners

Astrobiology for the Incarcerated Program Evaluation

As previously reported, SPP-Evergreen worked with the Astrobiology for the Incarcerated program team and research professionals working for NASA and University of Utah to synthesize survey results from [Astrobiology for the Incarcerated](#) lectures that occurred in WA, Ohio, and Florida. Led by Nalini Nadkarni at University of Utah, the team analyzed a substantial data set of pre- and post-program surveys assessing knowledge and attitudes. The resulting academic paper titled *Effects of Astrobiology Lectures on Knowledge and Attitudes about Science in Incarcerated Populations* was officially published in the prestigious *Astrobiology* journal in October 2020.

Findings showed that participants exhibited increased science content knowledge, positively shifted attitudes about science and scientists, increased sense of science self-identity, and enhanced behavioral intentions about communicating science. The most significant finding as stated in the paper was that “even limited exposure to voluntary, non-credit science lectures delivered by scientists can be an effective way to broker a relationship to science for this underserved public group and can potentially serve as a step to broaden participation in science” (Nadkarni, et al., 2020).

SPP also assisted in additional research led by Nalini Nadkarni on the effects of virtual nature experiences on incarcerated men. An academic paper based on this research is set to be published in 2021.

Institute for Human-Animal Connection

Building on work done by Dr. Kevin Morris with the [Institute for Human-Animal Connection](#) at Denver University (DU), he and students from DU's Graduate School of Social Work worked with WA Corrections RDA to survey and obtain data on two groups in prisons statewide: incarcerated individuals who participate in dog training programs and a similar group of individuals who haven't participated. In particular, the group of researchers analyzed the impact of WA prison dog program participation on recidivism rates. They have prepared a draft manuscript, which is expected to be published in the near future. Findings support the investment WA Corrections has made in these programs.

Student Theses

Master of Environmental Studies student Graham Klag completed his thesis analyzing the effectiveness of an experimental growing method for the Early blue violet (*Viola adunca*), the larval host plant of the endangered Oregon silverspot butterfly. The SPP Conservation Nursery at SCCC provided the conditions to grow 36 vegetative mats of coconut coir as well as the study's control plant plugs, the traditional restoration planting method. The project was successful thanks to dedicated support from SCCC nursery technicians and staff. Results indicated that the vegetative mats grew *Viola adunca* more effectively than the control plug plots, a promising finding for supporting the butterfly's survival and recovery. To learn more about Graham's research, visit <https://arccg.is/998KK2>.



*Graham (pictured middle) and incarcerated technicians look on and speak about the vegetative mats of *Viola adunca* central to his thesis research. Photo by SPP Staff.*

Master of Environmental Studies graduate Erica Benoit completed her thesis project analyzing the connections between the prison food environment and the phenomenon of food deserts. Using quantitative and qualitative data collected by Impact Justice from formerly incarcerated people about their prison food experience, she tested parameters related to the food desert experience to see how they lined up with the prison food experience. Preliminary findings show a lot of similarities between the two experiences with some key differences. While Erica's thesis data is not directly related to SPP's work, her findings are still relevant to the prison context and have important implications. To find out more, read [Erica's thesis](#) or [Impact Justice's larger report](#). Both inform SPP's larger goal of working with WA Corrections to improve access to fresh produce grown in WA State prisons.

11. SPP Network

Due to the COVID-19 pandemic, SPP had significantly less contact with network connections during this reporting period. We maintain high value for connectivity as a means to improve programs and increase access to education. Partners intend to continue aligning goals, bolstering capacity through effective partnerships and improving communications going forward.

SPP in Washington State

Staff at SPP-[Evergreen](#) maintained contact with all Washington state prisons during the July 2019 – December 2020 reporting period. With the exception of OCC, every prison in WA hosts one or more programs coordinated by SPP-Evergreen including [beekeeping](#), [Roots of Success](#), and ecological [conservation](#) programs. Posted below is a summary of SPP-Evergreen’s new and project-specific contacts within the state.

Table 29. SPP-Evergreen's significant contacts in Washington State, July 2019 – December 2020.

New and Project-Specific Contacts	
Organization	Interest in SPP
Stewardship Partners	Workshop on storm water; potential for future workshops
Black Prisoners Caucus	Support for Circle of Life Garden proposal
WA Dept of Children Youth and Families	Beekeeping programs in juvenile facilities
King County Facilities Mgmt Division	Sustainable operations
Olympia Community Solar	New partnership to provide solar energy education materials for incarcerated students
Community volunteer beekeepers	Supported their plans for beekeeping and education at McNeil Island Stewardship program
Restoration Ecology class, University of WA Tacoma & Seattle campuses	Presentation to restoration ecology classes; students at UW Tacoma developed environmental education learning activities for use in prisons
University of Washington Nature & Health group	Northwest Nature and Health Symposium and other opportunities to collaborate
Education Navigators, 13 colleges statewide	Post-release guidance in navigating higher education
Un-loop	Web development and reentry mentorships

SPP Nationally and Internationally

SPP is recognized by other countries, states, and counties for leadership in environmental education and nature programs in prisons. New interest and involvement in SPP-model programs continues to grow, and ongoing relationships and learning exchanges are flourishing. While the “SPP Network” is less formal than in years past, the number and significance of contacts continues to expand.

In this reporting period, we provided information and/or shared resources with at least 36 organizations and individuals. The following table provides a summary, and national interest in SPP-model programming is also summarized in Figure 3.

Table 30. SPP-Evergreen's national and international contacts, July 2019 – December 2020 (see [Appendix 3](#) for abbreviations).

New and ongoing contacts: Title/profession, organization	Interest in SPP	State	Country
Assistant Professor, University of Montevallo	Interested in sustainability programs for Alabama correctional facilities	Alabama	USA
Spring Creek Correctional Center	Interested in beekeeping programs	Alaska	USA
PhD Candidate, UC Berkeley	Interested in restoration projects and research	California	USA
Postdoctoral Scholar, San Francisco State University	Science education in prisons	California	USA
Graduate Student, Colorado State University in Fort Collins	Interested in collaborative project between Restorative Justice Fort Collins and the Fort Collins natural areas	Colorado	USA
PhD Student, University of Denver	Assisted by SPP for research at Institute of Human-Animal Connection	Colorado	USA
Associate Research Professor, Institute for Human-Animal Connection, U of Denver	Studying impacts of pet programs in prisons; supplied funding for Phase 2	Colorado	USA
Professor, Norwalk Community College	Requesting info on program impacts	Connecticut	USA
Graduate Student, Georgetown University	Writing book about beekeeping, interviewed SPP about prison beekeeping programs	District of Columbia	USA
Florida Department of Corrections	Astrobiology in Prisons Program; environmental and science lectures	Florida	USA
Chair, Georgia Beekeepers Association Prison Program	Beekeeping programs in Georgia correctional facilities	Georgia	USA
Idaho Department of Corrections	Interested in sustainability programs in Idaho correctional facilities.	Idaho	USA
Undergraduate student, University of Illinois at Urbana-Champaign	Implementing SPP-style programs in Illinois	Illinois	USA
Kentucky Correctional Institute for Women	Interested in beekeeping programs for KY correctional facilities	Kentucky	USA
Conference coordinator, Boston College	NSF funded conference at Yale, "Social and ecological infrastructure for recidivism reduction."	Massachusetts	USA
Berkshire Agricultural Ventures	Implementing aquaponics greenhouse in MA correctional facility	Massachusetts	USA
Camp program manager, Dept of Conservation and Natural Resources Division of Forestry	Implementing SPP style programs to award credit to incarcerated individuals working in plant nurseries	Nevada	USA
First Deputy Commissioner, Westchester County DOC	Partnering with SPP to launch green initiatives for county jail	New York	USA

Lettuce Grow - Operations Coordinator, Growing Gardens	Wants to start a network of individuals and org's who work with gardens in prisons.	Oregon	USA
Seed to Supper, Oregon Food Bank	Adapting course for in-prison use	Oregon	USA
Multiple staff members at Institute for Applied Ecology	SPP program certifications and curriculum development	Oregon	USA
Sustainability Programs Manager, Oregon Department of Corrections	SPP-Oregon	Oregon	USA
Graduate Student, La Salle University	Interview for capstone on sustainability and conservation in correctional systems	Pennsylvania	USA
Local beekeeper from Philadelphia PA	Consult on how to get prison administrators on board with a prison bee program.	Pennsylvania	USA
PA Department of Conservation and Natural Resources	Offering arboriculture education and training to incarcerated students	Pennsylvania	USA
Assistant professor of sociology, Texas State University	Designing and implementing environmental training programs in prisons	Texas	USA
Community College Instructor, Michael Unit, Texas Dept of Criminal Justice	Reviewing and publicizing aquaponics program and protocols, support for creating national herbs behind bars contest and presenting to national Aquaponics Association; connection to national partners	Texas	USA
Windham School District	Agricultural programs and education in corrections	Texas	USA
Senior Conservation Coordinator, Travis County	Developing SPP style programs in Travis County	Texas	USA
Undergrad, Middlebury College	Using SPP as a resource for senior thesis on food justice and prison agriculture operations	Vermont	USA
University of Utah, all team members	Workshops, astrobiology and conservation programs	National	USA
Education and Communications Lead, NASA Astrobiology Program	Program evaluation for astrobiology lectures nationally	National	USA
Kaff Zanjira https://www.facebook.com/kaffzanjira/	Proposing a GreenPals written correspondence between SPP incarcerated participants and sustainability professionals supporting Kaff Zanjira		India
Mathilde Zamorano and Matthieu Sirieix from Mauzac Prison France	Gardening education in WA prisons		France
Ecology Lead for the UK Ministry of Justice Estates Cluster	Sharing contacts, best practices, and success stories	England	UK

Senior Research Fellow and HSU Prisons Programme Lead, University of Central Lancashire	Interested in SPP style sustainability programs		UK
Chairman, Inmates for Change	Interested in SPP programs and water filtration		Zambia

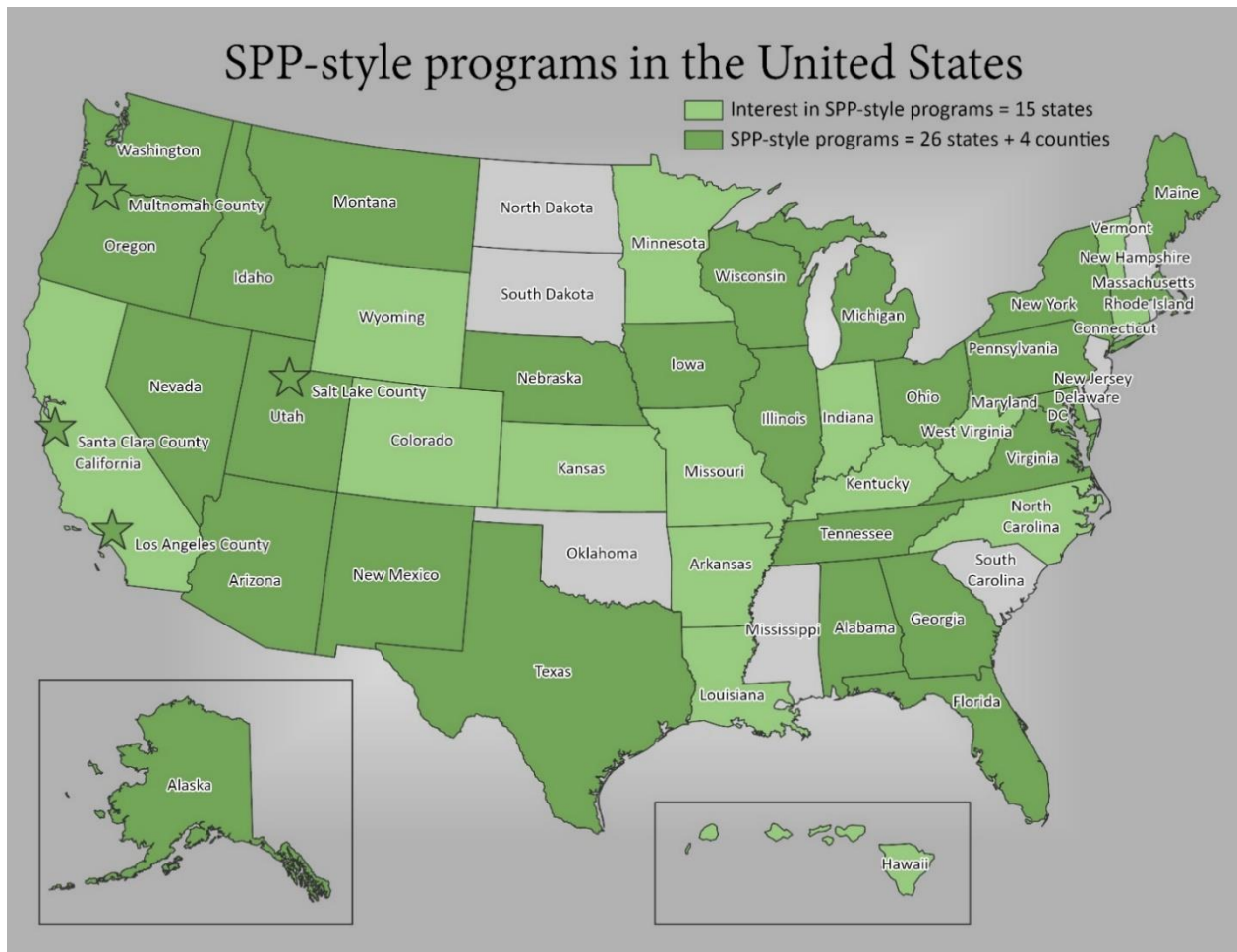


Figure 3. Prevalence of SPP-style programs nationwide.

12. Dissemination

Presentations

In this reporting period, SPP staff at Evergreen (SPP-[Evergreen](#)) presented at a variety of venues to highlight specific programs or represent SPP as a whole. A summary of our presentations is represented in Table 31; this table excludes presentations within established programs. Overall, the number of presentations was significantly less than usual, due to event cancellations during the COVID-19 pandemic.



Onlooker views the SPP Art Installation at the 2019 NW Nature and Health Symposium held at UW. Photo by Erica Benoit.

Table 31. SPP-Evergreen Presentations, July 2019 – December 2020 (see [Appendix 3](#) for abbreviations).

Date	Presenter(s)	Title	Venue
07/19/2019	Keegan Curry	SPP & Taylor's Checkerspot Captive Rearing Program	Billy Frank Jr. Nisqually National Wildlife Refuge
07/31/2019	Erica Benoit, Joslyn Rose Trivett	Roots of Success presentation	CRCC
08/07/2019	Graham Klag	SPP Butterfly Programs: The Butterfly Effect	Olympia Senior Center
08/08/2019	Joslyn Rose Trivett and Marisa Pushee	SPP Overview and Conservation Programs	Doris Duke Conservation Scholars Program
08/14/2019	Keegan Curry, Erika Larson	Taylor's Checkerspot Rearing at Mission Creek	MCCCW Bring your Kids to Work Day
08/21-22/2019	Kelli Bush	SPP: Empowering sustainable change by bringing nature, science, and environmental education in prisons	SPSCPTS Statewide Conference at Evergreen
09/09/2019	Joslyn Rose Trivett, Bethany Shepler	Beekeeping Programs for Prisons	Olympia Beekeepers Association
10/03/2019	Mathilde Zamorano, Matthieu Sirieix, Erica Benoit	Visitors from prison gardens in France	WCC
10/04/2019	Mathilde Zamorano, Matthieu Sirieix, Joslyn Rose Trivett	Visitors from prison gardens in France	MCCCW
10/25/2019	Kelli Bush	SPP	UW Restoration Ecology Class
10/30/2019	Curators: Erica Benoit, Joslyn Rose Trivett, Star Murray Artists: Charles, Colton,	Art Installation: Sustainability in Prisons Project	2019 NW Nature and Health Symposium, University of Washington

	Daniel, David, Joseph, Joshua, Justin, Matthew, Michael, Peter, Robert, Rory, Shane, Steve, Tremayne, and Warren; Let Yourself Germinate Artist: Lawrence Jenkins Photographers: Erica Benoit & Marisa Pushee		
11/13/2019	Presenters: Erica Benoit & Anna Duron Artists: Michael Gorski, Edmund Ball, students in SPP screen printing workshop	SPP Art Exhibit	Art Exhibit at SCCC
11/14/2019	Dionne Mejia, Carly Rose	Growing native plants and gardening curriculum with incarcerated adults	Western Native Plants Conference
11/15/2019	Joslyn Rose Trivett, Bill Anglemeyer	Unusual strategies for higher education in prison: examples of environmental and science study and practice in SPP programs in WA State	National Conference on Higher Education in Prison
01/03/2020	Jacob Meyers	Prairie Conservation in WA State	Bidwell Institute in Pittsburg
01/13/2020	Kelli Bush	SPP	BPC Circle of Life Event at Tacoma Community College
01/28/2020	Graham Klag	Role of Harvest in Conservation	Port Blakely
01/30/2020	Shohei Morita	SPP	County Youth Detention Center, Chehalis
03/05/2020	Dan Pacholke	Keynote: How do we humanize prisons?	Unlocked 2020 Conference
05/07/2020	Graham Klag	Restoration techniques to establish Oregon Silverspot Butterfly Habitats	International Association of Landscape Ecologists iPoster presentation
07/13/2020	Marisa Pushee	SPP Conservation Programs: Frogs & EVM	Oregon Zoo
11/23/2020	Kelli Bush	SPP	UW Seattle Restoration Ecology class

SPP Tours

SPP-Evergreen staff and WA Corrections staff at each facility have regularly hosted visitors interested in SPP programs. Table 32 provides a summary of tours reported for this reporting period; this list is smaller due to the no-visitor policy during the COVID-19 pandemic.

Table 32. Tours of SPP programs, July 2019 – December 2020 (see [Appendix 3](#) for abbreviations).

Date	Location	Visitors	Program areas
07/30/2019	CRCC	Joslyn Rose Trivett, Erica Benoit	Beekeeping, gardens, toy program, SPL labs
09/16, 18-19, 26-27/2019	WCC	Mathilde Zamorano, Matthieu Sirieix, Carl Elliot, Allison Campbell	Garden, conservation nursery
09/17-18/2019	WSP	Bethany Shepler, Shohei Morita	Beekeeping, gardens, sheep, SPL labs
09/24/2019	MCCCW	Mathilde Zamorano, Matthieu Sirieix, Judith Gerren, Beth Rietema	Taylor's checkerspot butterfly, composting, water reduction and catchment, conservation crews, beekeeping, PPP
09/25/19, 09/30/2019	MCCCW Offsite Garden	Mathilde Zamorano, Matthieu Sirieix, Bethany Shepler, Diane Fish, Sergeant Gately	GRACE Project
10/01/2019	SCCC	Mathilde Zamorano, Matthieu Sirieix, Kelly Peterson	Sustainability programs
02/26-27/2020	AHCC	Shohei Morita	Woodyard & Envirodrum (compost), DNR/NWCG, MSU vermiculture, Roots of Success, garden, beekeeping
09/22/2020	SCCC	Shohei Morita, Joslyn Rose Trivett	Garden, aquaponics, Roots of Success, beekeeping class, garden class

Academic Publications, Projects, and Internships

Academic Papers

In October 2020, the paper we co-authored describing results of the Astrobiology for the Incarcerated programming in Washington, Ohio, and Florida was published in the *Astrobiology* journal. Another journal article, also authored by Nalini Nadkarni, on the effects of virtual nature experiences on incarcerated men is set to be published in the next reporting period (2021). SPP also contributed to the work of a team of University of Denver graduate researchers who analyzed the impact of WA State prison dog training program participation on recidivism; we expect these results to be published in the near future. Additional details provided in the [Evaluation](#) section.

Internships

SPP staff supported 1 internship with former Evergreen Master of Environmental Studies student, Erica Benoit in Spring 2020. The internship was focused on providing detailed data management of survey data from the SPP Workshop Series.

Graduate Student Theses and Capstones

During this reporting period, SPP-Evergreen supported two Master of Environmental Studies graduate students in academic work to satisfy their degree:

- Graham Klag's thesis analyzing the effectiveness of an experimental growing method for the Early blue violet (*Viola adunca*), the larval host plant of the endangered Oregon silverspot butterfly; and
- Erica Benoit's thesis analyzing the connections between the prison food environment and food deserts.

See [Student Theses](#) for further details. SPP-Evergreen also provided informal support to numerous additional students, some of whom are described in the [Network](#) section.

Media Coverage

During this reporting period, SPP was featured in more than 57 stories from local, regional, and international media outlets. Several media pieces in development were cancelled as a result of the COVID-19 pandemic. The table below includes all of the media pieces that SPP-Evergreen staff tracked during the reporting period.

Table 33. SPP Media, July 2019 – December 2020.

Date	Paper/Source	Author	Title
07/01/2019	Utne Reader	Jessica Cohen	Animals and Inmates: Symbiosis and Redemption, How a prison animal training program is successfully curbing criminal behavior.
07/10/2019	KUOW	Ross Reynolds	Sustainability in Prisons Project
07/10/2019	The Daily World	Hasani Grayson	Lions expand bike giveaway program
07/12/2019	Board of Trustees, The Evergreen State College	President's Office	Meeting notes
07/16/2019	The Dalles Chronicle	Mark Gibson	A slow fight for survival: Turtles struggle against bullfrogs, habitat loss and now, shell disease
07/24/2019	Oregon Business	Kim Moore	Green in the new black
07/31/2019	Vancouver Sun	Anthony Gismondi	B.C. wine of the week, wine to cellar, and calendar items
08/05/2019	Department of Ecology		These Wastewater Treatment Plants Earn an A+ in Clean Water
08/07/2019	WA DOC	Rachel Friedrich	Salmon Habitat Restoration
08/08/2019	WILX 10	Associated Press	Michigan government boosting environmental sustainability
08/09/2019	KXLY.com	Ariana Lake	Inside the beekeeping program at Airway Heights Correction Center
08/09/2019	The Spokesman Review	Jared Brown	Airway Heights prison beekeeping program inspires sustainability and self-improvement
08/10/2019	KHQ Q6	Stephanee Stevenson	One program at AHCC is bringing inmates hope; with a mix of danger & sweet rewards
08/12/2019	WA DOC	Karisa Lightfoot	Changing Ewe and Me
08/13/2019	BioCycle	Sally Brown	Connections: The Maggots' Buffet

08/21/2019	WSDOT Blog	Ann Briggs	Creating pathways to a better future
08/27/2019	Kitsap Sun	Jessie Darland	Mission Creek inmates plant veggies, reap rewards of giving back
09/10/2019	Idaho Department of Correction	Nancy DeWitt	ISCC Inmates Participate in Nature Education, Habitat Restoration
09/11/2019	CBC News	Amanda Pfeffer	Prison honey bee program a sweet success
09/12/2019	Intelligent Living	Launa Steffen	Female Prisoners Are Helping To Save Endangered Butterfly Species
09/13/2019	Thurston Talk	The Evergreen State College	Why Senator Emily Randall Says Liberal Arts Education Is More Relevant than Ever
09/25/2019	WA DOC	Rachel Friedrich	Itching to be Stitching: Airway Heights Inmates Donate Quilts
10/11/2019	Idaho News 6		KIVI 6 On Your Side Latest Headlines (covers sagebrush program at 1:29)
10/20/2019	guskagit.com	Kimberly Cauvel	Work being done to restore habitat for the Oregon spotted frog
11/13/2019	Kolo TV	Elizabeth Rodil	Inmates raising sagebrush to help lands destroyed by fire
11/26/2019	Astrobiology at NASA	Aaron Gronstal	All Learners Matter: Astrobiology for the Incarcerated
12/01/2019	Berkshire Agriculture Ventures		Berkshire Agricultural Ventures December News. Featured Matching Grant Project: Berkshire House of Corrections Aquaponics
12/01/2019	Institute for Applied Ecology		Sagebrush in Prisons Project Newsletter
2020 Issue	Fluid Culture	Photographer: Ricky Osborne	Sustainability in Prisons Project - Apiculture
02/01/2020	WASBA	Shohei Morita	News from around the hive: Buzz about the bees: a chance to offer transformational education
02/01/2020	Avista Connections		The positive power of prison pets
03/29/2020	Union-Bulletin	Emily Thornton	Prison worker finds healing in art
04/10/2020	Herald News	Oregon Zoo News Press Release	Inmates help rare NW butterfly return to Oregon
05/01/2020	Capital Community Media		The Healing Garden Behind Prison Walls
05/26/2020	Prison Pet Partnership		A little less broken: reflections from an incarcerated dog trainer
05/28/2020	Northwest Treaty Tribes		Stillaguamish Tribe aims to prevent heron displacement
06/05/2020	Searchlight News		Ex-Prisoners Engaged in UNDP Funded Climate Change Resilience Project
06/10/2020	Department of Corrections	Rachel Noll	Larch Wood Biomass Energy System Could Reduce Greenhouse Gas Emissions
06/12/2020	E: The Environmental Magazine	Maggie Potter	Ex-Cons Helping the Environment: From Sustainability In Prisons To Advocacy On The Outside

06/14/2020	Union-Bulletin	Walla Walla Union-Bulletin	Penitentiary employees recognized with Department of Corrections awards
06/16/2020	DOC Twitter		WA Corrections received a forest service grant award for proposed wood #biomass #energy system at LCC
06/22/2020	Wings Worldquest Twitter page	Nalini Nadkarni	Happy World Rainforest Day!
07/02/2020	Prison Pet Partnership	Jeania Gentry	You gave me a purpose
07/02/2020	Forks Forum		OCC Rocks!
07/12/2020	The Environmental Magazine	Maggie Potter	Ex-Cons Helping the Environment: From Sustainability In Prisons To Advocacy On The Outside
07/13/2020	dissidentvoice.org	Paul Haeder	Fish do grow on trees
07/15/2020	Inside Higher Ed	Tanya Erzen	Unlocking the Potential of Prison Education
07/19/2020	Union-Bulletin	Annie Charnley Eveland	Abandoned bicycles repurposed for area kids
07/23/2020	The Good Men Project	Maggie Potter	Ex-Cons Helping the Environment: From Sustainability In Prisons To Advocacy On The Outside
08/02/2020	The Spokesman-Review	Riley Haun	'The bottom has just dropped out': As insect populations plummet, scientists wonder why
08/10/2020	Colorlines.com	N. Jamiyla Chisholm	A Medicinal Garden Grows at Washington State Penitentiary
08/12/2020	DOC	Rachel Noll	The Buzz About Honeybees
08/17/2020	DOC	DOC Communications	The Bees Knees
10/31/2020	Medium	Allie Lowy	What does mass incarceration have to do with environmental degradation? More than you'd think.
11/25/2020	Houston Chronicle	Ariella Simke	Essay: Serving salads while serving time — future of sustainable food found in Texas prisons
12/09/2020	Impact Justice Report	Leslie Soble, Kathryn Stroud, Marika Weinstein	Eating Behind Bars: Ending the Hidden Punishment of Food in Prison
12/17/2020	NASA Website	Editor: Frank Tavares	Astrobiology for the Incarcerated: Bringing Transformational Science into Prisons

Outreach

During this reporting period, SPP posted 38 [blog posts](#) to the SPP [website](#). Some of the most popular blog posts are summarized in the following table.

Table 34. Most SPP blog posts, July 2019 – December 2020.

Title	Author	Date
Second Chances and the WAG Program at Clallam Bay	Bethany Shepler, Green Track Program Coordinator	07/26/2019
When Nature Meets Art	Erica Benoit, SPP Workshop Series Coordinator	08/16/2019
First Place Honey!	Bethany Shepler, Green Track Program Coordinator	09/12/2019

Peer education created by and for incarcerated gardeners	Carly Rose, SPP Curriculum Development Coordinator and Emerico, Gardening Curriculum Author	09/17/2019
The Magic of Caring for Turtles	William Angelmyer, former SPP Turtle Technician	10/10/2019
Persistence pays off: beekeeping in Massachusetts jails	Joslyn Rose Trivett, SPP Education and Outreach Manager, and Susan Goldwitz, Beekeeper and Program Coordinator	10/15/2019
Growing food on a greater scale: WSP's Institutional Sustainability Garden	Joslyn Rose Trivett, SPP Education and Outreach Manager	10/25/2019
Happy Halloween from Stafford Creek Corrections Center	Graham Klag, Conservation Nursery Coordinator	10/31/2019
Personal Victories	Ashley McElhenie, former SPP Prairie Conservation Nursery Technician	11/12/2019
Rolling out wetland plants for the Samish Indian Nation	Anna Duron and Carl Elliott, Coordinator and Manager for the Emergent Vegetated Mat (EVM) program	11/19/2019
Why Aquaponics in Prison?	William Rathgeber, SPP Biological Science Technician	12/13/2019
(Before COVID-19): Octopus Kicks off the Workshop Series at MCCCW	Joslyn Rose Trivett, SPP Education and Outreach Manager, and Erica Benoit, SPP Workshop Series Coordinator	03/30/2020
Welcoming the bees back to WCC	Joslyn Rose Trivett (SPP-Evergreen), Laurie Pyne (Centralia College), and Jenn Bullard (WCC)	04/23/2020
Are you right for the garden & is the garden right for you?	Carly Rose, SPP Curriculum Development Coordinator	05/14/2020
Workshops in the COVID-19 Era	Erica Benoit, SPP Workshop Series Coordinator	05/28/2020
When Crisis Inspires Greater Teamwork	Marisa Pushee, Joslyn Rose Trivett, and Kelli Bush	09/11/2020

SPP's main outlets for social media include Facebook (facebook.com/sustainabilityinprisons/), Twitter (twitter.com/SPP_WA), and Instagram (instagram.com/sustainabilityinprisons/).

The SPP Facebook page gained 65 Page Likes in this reporting period, bringing the Total Page Likes to 2,091. During this reporting period, we made 121 posts on Facebook that received over 3,800 likes, shares, and comments. The most popular posts are summarized in the following table.

Table 35. Most popular Facebook posts, July 2019 – December 2020.

Subject	# People Reached	# Likes, Comments, Shares	Date
Blog post written by Prairie Conservation Technician Ashley McElhenie	2.6K	51	11/12/2019
Sunflowers grown by Tacoma Community College's Horticulture Program at WCCW	2.6K	106	09/09/2019
Wolf Haven International's Wolf Tracks story on SPP prairie conservation	2.1K	50	02/03/2020

Aquaponics workshop led by Anna Duron at greenhouse at Cedar Creek	1K	101	11/14/2019
Environmental workshop series in COVID-19 era	1.6K	109	05/28/2020
The Twin Rivers Unit's honey won first place at the Evergreen State Fair!	1.4K	36	09/12/2019
First workshop at MCCCW (with a live octopus!)	1.3K	42	03/30/2020
Why aquaponics in a prison? An incarcerated technician makes his case	1.2K	74	12/16/2019
Pleased to present new peer-led gardening course in prisons	1.1K	108	08/21/2020
KUOW story on SPP (interview with Kelli Bush & Nichole Alexander)	1.1K	130	07/11/2019
Roots of Success: Environmental Literacy Curriculum + Oregon Department of Corrections = life changing!	843	28	08/02/2019
WSP has a 10.5-acre garden growing fresh food for the prison kitchen!	822	41	10/25/2019
Four formerly incarcerated people started their own company, All Around Forestry LLC	819	386	02/19/2020
Taylor's checkerspot butterfly program still thriving	749	111	09/16/2019
EVM mats from SCCC provided instant habitat for Oregon spotted frog	721	60	10/28/2019
Beautiful rolls of wetland plants from SCCC to Samish Indian Nation	696	67	11/19/2019
GRACE Garden grows vegetables, thanks to Kitsap Conservation District	661	25	08/05/2019
Blog post from SPP's garden course co-creator	657	26	05/14/2020
The Spokesman-Review article on AHCC Beekeeping program	651	13	08/10/2019
Washington State Department of Corrections finding ways to welcome honeybees back to prison programs	605	53	04/23/2020

On Twitter, SPP gained 122 followers in this reporting period, and had over 1,700 visits to our page. More highlights from this reporting period:

- SPP tweeted 311 times and made over **205,000 impressions** – a great increase from FY19 (171,000 impressions)
- 60 tweets received over 1,000 impressions
- 13 tweets received over 2,000 impression
- 2 tweets received over 3,000 impressions

The tweets that attracted the most attention are summarized in the following table.

Table 36. Most popular tweets, July 2019 – December 2020.

Subject	# of Impressions	# of Engagements	Date
Rep Leavitt's efforts create new education opportunities for the incarcerated	3,750	55	11/20/2019
Growing wine grapes & hops at WSP	3,643	19	07/22/2019
Resilience of butterfly program	2,962	47	09/11/2020
Sustainable Practices Lab	2,873	25	08/19/2019
Jackie Goordial is a great educator (astrobiology workshops)	2,831	17	02/07/2020
Happy Solstice!	2,777	53	12/21/2019

Black soldierflies at MCC	2,607	20	03/31/2020
Western Pond Turtle article	2,426	53	07/19/2019

During this reporting period, we posted 36 times on Instagram. Those posts generated a total of **1,079 likes**. The most popular Instagram posts are summarized in the table below.

Table 37. Most liked Instagram posts, July 2019 – December 2020.

Subject	# of Likes	Date
Workshop student shows off his first screenprints!	48	08/29/2019
Happy Halloween; produce grown at SCCC	44	10/31/2019
Artist Edmund Ball crocheted a beautiful piece that featured flowers, a butterfly, and a bee against a backdrop of prison bars	44	12/07/2019
Honeybee chain	44	05/20/2020
Drawing of 3 bee-eaters by Lawrence Jenkins	42	10/09/2019
Taylor's checkerspot caterpillar	39	03/21/2020
New gardening course available for download	39	08/25/2020
Photos from screen printing workshop at SCCC	37	08/28/2019
Aquaponics workshop led by Anna Duron at greenhouse at Cedar Creek	36	11/14/2019



The three most popular images on Instagram this reporting period.

Appendix 1. SPP Programs in Washington State Prisons, July 2019 – December 2020

We reported on 199 SPP programs in Washington State’s 12 prisons this year; see the list below. Some additional programs were in development during the reporting period and are not indicated here. Programs suspended due to COVID-19 are notated below and have plans to resume normal operation in the future. For links to programs, partner organizations, and highlights for each program, see <http://sustainabilityinprisons.org/spp-programs-in-wa/>.

SPP Programs Reported by all 12 WA prisons (see [Appendix 3](#) for abbreviations).

*Suspended due to COVID-19; **Shifted to PPE production in response to COVID-19.

Airway Heights Corrections Center (AHCC)

Roots of Success
Beekeeping
Gardens: Main
Gardens: Minimum
Flower gardens
Pollinator plantings
Large-scale composting
Waste sorting & recycling
Worm farm: Minimum
SPL: Quilting**
Computers 4 Kids
Pawsitive dog training – prison program*
Sawyer community work crew/firewood donation*
Forestry
Nature Imagery
Reclaimed Water System*

Clallam Bay Corrections Center (CBCC)

Roots of Success
Beekeeping
Vegetable gardens
Flower gardens
Ozette potato program
Waste sorting & recycling
Dog training and adoption
Cat program
Water catchment
Waste water treatment

Cedar Creek Corrections Center (CCCC)

Beekeeping: CCCC*

Beekeeping: McNeil Island
Western pond turtle care*
Woodpecker nest predation study*
Aquaponics
Vegetable gardens
Flower gardens
Waste sorting & recycling*
Large-scale composting
Training dogs for veterans
Community College Horticulture
Construction: tiny homes
Water use reduction and catchment
Waste water treatment
Forestry
Community work

Coyote Ridge Corrections Center (CRCC)

Roots of Success*
Beekeeping*
Land restoration
Heritage and bee gardens
Garden: Main, maintenance area
Waste sorting & recycling*
Toys for Tots*
Teddy Bears from reclaimed materials*
Ridge Dogs
Service dogs for veterans
Gardens: Minimum
Pollinator garden: Minimum
Composting: Minimum*

Larch Corrections Center (LCC)

Roots of Success
Western pond turtles care*
Beekeeping*
Plantain, food source for Taylor's checkerspot butterflies
House plants
Bird feeders
Wood craft donations
Larch Dog Adoption Program
Larch Cat Adoption Program
Waste reduction
Waste sorting & recycling
Large-scale composting*
Waste water treatment
Forestry

Community work

Mission Creek Corrections Center for Women (MCCCW)

Roots of Success

Taylor's checkerspot butterfly program

Beekeeping*

Environmental Workshop Series*

GRACE (Gardening for Restoration and Conservation Education) Project*

Vegetable gardens

Flower gardens

Conservation crews

Small-scale composting

Waste sorting & recycling

Water use reduction & catchment

Pawsitive Prison Project

Plant and animal habitat*

House plants

Monroe Correctional Complex (MCC)

WSR

Composting with Bugs: Worm Farm, Black Soldier Flies, Bokashi

City of Monroe public flowers

Gardening curriculum development

Roots of Success*

SPL Bicycles from Heaven

SPL Wheelchair program

House plants

Bird habitat

Waste sorting & recycling*

Waste water treatment certification*

Flower gardens

Vegetable gardens

SOU

Beekeeping

Vegetable gardens

Nature Imagery*

Cat program

TRU

Beekeeping

Gardens

Community Aide Coalition: quilting, crochet, textile arts**

Dog training and adoption*

Olympic Corrections Center (OCC)

Gardens

Flower gardens, boxes, baskets

Water features
Waste sorting & recycling
Large-scale composting
Waste water treatment
Water catchment
Solar power
Wood shop
Dog training and adoption*
Green Building*
Firewood
Community crew*
Forestry

[Stafford Creek Corrections Center \(SCCC\)](#)

Roots of Success*
Environmental Workshop Series*
Beekeeping*
Prairie Conservation Nursery (now inactive)
Emergent vegetation mats*
Gardening curriculum development
Gardens and greenhouses
Lifer Garden
Food Bank fundraisers
Pollinator plantings
Flower gardens, boxes, baskets, fruit orchard
Bird houses
Sustainability channel
Large-scale composting
Waste sorting & recycling
Water catchment
Bicycle Repair
Wheelchair Repair
Service dogs for veterans*
Toy Time
SBU Art Class
SBU Knitting Class
Teddy Bear program
COVID-19 Community Fundraiser

[Washington Corrections Center \(WCC\)](#)

Roots of Success*
Environmental Workshop Series*
Prairie Conservation Nursery
Beekeeping, “Intensive Bee Management Unit”*
Gardens and greenhouses
Flower gardens

Horticulture*

Potted plants and plant starts

Construction: bus stops, tiny homes, Neighborhood Pantries, bird houses*

Nature Imagery

House plants

Large-scale composting*

Waste sorting & recycling

Shoe and clothing repurposing

Training dogs for veterans

Composting with Bugs: Worm Farm, Black Soldier Flies, Bokashi

[Washington Corrections Center for Women \(WCCW\)](#)

Roots of Success

Environmental Workshop Series (now inactive)

Prairie Conservation Nursery

Gardens and greenhouses

Beekeeping

Pollinator plantings

Community College Horticulture

Mother Earth Farm, offsite farm crew*

Prison Pet Partnership

Sisters of Charity: quilts, fabric crafts, wildlife rescue**

Waste sorting & recycling*

Large-scale composting

Electric vehicles

Lighting upgrades

[Washington State Penitentiary \(WSP\)](#)

Institutional Sustainability Garden

Waste sorting & recycling

Composting, main

Electrical upgrades

Water conservation

BAR Units

Kitten program*

Roots of Success

Crochet Program*

MSU

Beekeeping*

Sheep conservation program

Flower gardens

Rental garden boxes

Dog program*

Community work crew*

South Complex

Rental garden boxes

Sustainable Practices Lab

SPL: Learning Center

SPL: Wood shop & carving

SPL: Furniture Repair

SPL: Sign shop

SPL: Aquaculture and Aquaponics

SPL: Worm Farm

SPL: Art program

SPL: Quilting

SPL: Creative projects

SPL: Water treatment systems

SPL: Roots of Success

SPL: Green Zone

199 programs reported by 12 prisons

Appendix 2. SPP Partners and Allies in Washington State Prisons

Complementing the efforts of WA Corrections and Evergreen, partner and ally organizations contribute to almost every SPP program. Most programs would not be possible without their input, enthusiasm, and resources. In this reporting period, we have 179 known (reported) partners and/or contributing organizations. We know the actual number of contributors is likely far greater!

Table 38. SPP Partners and Allies (Partnering with WA Corrections, Evergreen, or both), July 2019 – December 2020.

Adams County Pet Rescue
ARC of Tri-Cities
Assist International
Benton Franklin Humane Society
Black Prisoners Caucus
Blessings Under the Bridge
Blue Mountain Action Council
Blue Mountain Humane Society
Brigadoon Service Dogs
Calbag Metals
Canyon Creek Cabinet Company
Catholic Charities of Eastern Washington
Center for Natural Lands Management
Central Kitsap Food Bank
Centralia College
Cherish our Children
Christian Aid Center
Christmas for Kids
City of Airway Heights
City of Monroe
City of Sultan
Clallam Bay Food Bank
Clark County Beekeeping Association
Clark-Skamania Flyfishers
Coastal Harvest
Community Beekeepers
Correctional Industries
Diamonds in the Ruff
Dolly Haakenson
Domestic Violence Services of Snohomish County
Doris Duke Conservation Scholars
Duke University
Emergency Food Network
Everett Police Department
Evergreen Hospice

Evergreen Education Coalition for Justice Involved Students
Fallen Outdoors
Family Promise of Grays Harbor
Farm to School
Forgotten Dogs
Forks Chamber of Commerce
Forks Gamers Group
Forks Lions Club
Forks Soroptimists
Forks Timber Museum
Franklin County Sheriff's Office
Friends of the Carpenter
Friends of Willapa Wildlife Refuge
Great Peninsula Conservancy
Green Prisons
GRACE Project
Habitat for Humanity
Hard Headz
Harvest Now
Holy Rosary Church
Hood Canal School District
Hood Canal Food Bank
Hope Crew
Humane Society for Southwest Washington
I-CON Systems, Inc.
Institute for Applied Ecology
Institute for Human-Animal Connection
Interfaith Family Shelter
Jefferson Land Trust
Joint Base Lewis-McChord
Justice Involved Students Group, Evergreen
K & S Recycling
Kaff Zanjira
Kalaloch Lodge
Kitsap Conservation District
Kitsap Humane Society
Kiwanis Hoodsport
Lake Quinault Fire Department
Lamb Weston
Lettuce Grow
Lions Club
Little Bit Therapeutic Riding Center
Little Earth Farm
Littlerock Elementary School

Makah Tribe
Marysville Police Department
Master Composters
Master Gardeners
Matlock Community Church
Mid-Columbia Beekeepers
Millers Homestead
Monroe Community Senior Center
Monroe Police Department
Mother Earth Farm
NASA Astrobiology Program
Nature Imagery in Prisons Project (NIPP)
North Mason Food Bank
North Olympic Peninsula Beekeepers Association
Northwest District Beekeepers Association
Ohio Department of Rehabilitation and Corrections
Ohio State University
Olycap
Olympia Beekeepers Association
Olympia Community Solar
Olympic Peninsula Humane Society
Oregon Food Bank
SPP Oregon - Oregon Department of Corrections
Oregon State University Extension Service
Oregon Zoo
Over the Rainbow Fabrics
Pacific Rim Institute for Environmental Stewardship
PAWS
Peninsula College
Pioneer United Methodist Church
PPL Electric Utilities
Project 41
Providence Hospital
Purrfect Pals
Quileute High School
Quileute Tribe
Quillayute Valley Scholarship Auction
Quillayute Valley School District
Rainbow Center
Relay for Life
Roots of Success
Salmon for Soldiers
Samish Nation
Sarge's Place for Homeless Vets

Seattle Children's Hospital
Second Harvest Food Bank
Shriners Hospital for Children
SNAP Spokane
South Sound Prairies
Snohomish County Boys & Girls Club
Snohomish County CTA
Snohomish County Sheriff's Office
Spokane Humane Society
SpokAnimal
SPP Tasmania
Summit Assistance Dogs
Sunshine and Rainbows Child Development Center
Sustainable Living Center
Swedish Hospital
Symbiotic Cycles
Tacoma Community College
Texas Department of Criminal Justice
The Saint's Pantry Food Bank
Thurston County Food Bank
Tilth Alliance
Tri-Cities Toys for Tots
U.S. Fish and Wildlife Service
U.S. Forest Service
Union Gospel Mission
University Beyond Bars
University of Utah
University of Washington Ecosystem Science Division
University of Washington Composting and Waste Treatment Scientists
University of Washington – Tacoma, Professors Criminology & Restoration Ecology
Un-loop
Urban League of Metropolitan Seattle
Washington Department of Fish and Wildlife
Washington Office of Superintendent of Public Instruction
Washington State Beekeepers Association (WASBA)
Washington State Board of Community and Technical Colleges
Washington State Department of Ecology
Washington State Department of Enterprise Services
Washington State Department of Natural Resources
Washington State Department of Transportation
Waste Connections
Waste Management
Welfare for Animals Guild (WAG)
West Columbia Gorge Humane Society

West Plains Beekeepers Association
West Sound Beekeepers Association
West Sound Wildlife Shelter
Westlake Shelter
Westport Shipyard
Wheels for the World
Whidbey-Camano Land Trust
Wolf Haven International
Woodland Park Zoo
WSU Department of Entomology
WSU Extension, Pierce County
YWCA
179 reported organizations + hundreds more charities receiving donations

Appendix 3. Abbreviations

Table 39. Common abbreviations found in current report

Prisons	
AHCC	Airway Heights Corrections Center, Airway Heights (near Spokane)
CBCC	Clallam Bay Corrections Center, Clallam Bay (northwest Olympic Peninsula)
CCCC	Cedar Creek Corrections Center, Littlerock
CRCC	Coyote Ridge Corrections Center, Connell (south, central Washington)
LCC	Larch Corrections Center, Yacolt (northeast of Vancouver)
MCC	Monroe Correctional Complex, Monroe (northeast of Seattle)
MCC-SOU	Monroe Correctional Complex, Special Offender Unit
MCC-TRU	Monroe Correctional Complex, Twin Rivers Unit
MCC-WSR	Monroe Correctional Complex, Washington State Reformatory
MCCCW	Mission Creek Corrections Center for Women, Belfair (Kitsap Peninsula)
OCC	Olympic Corrections Center, Forks
PPP	Pawsitive Prison Project
SCCC	Stafford Creek Corrections Center, Aberdeen
WCC	Washington Corrections Center, Shelton
WCCW	Washington Corrections Center for Women, Gig Harbor
WSP	Washington State Penitentiary, Walla Walla
WSP-MSU	Washington State Penitentiary, Minimum Security Unit
WSP-BAR	Washington State Penitentiary, Baker Adams Rainier Unit
Agencies & Organizations	
ABKA	American Boarding Kennel Association
CI	Correctional Industries
CPD	Capital Planning & Development (WA Corrections)
CNLM	Center for Natural Lands Management
DNR	Department of Natural Resources
DoD	Department of Defense
Evergreen	The Evergreen State College, a public, four-year institution
HSSW	Humane Society for Southwest Washington
IAE	Institute for Applied Ecology
JBLM	Joint Base Lewis-McChord
NSF	National Science Foundation
OR Zoo	Oregon Zoo
RDA	Research & Data Analytics (WA Corrections)
SBU	Skills Building Unit
SPL	Sustainable Practices Lab
SPP	Sustainability in Prisons Project
USFWS	U.S. Fish and Wildlife Service
WA Corrections	Washington State Department of Corrections
WASBA	Washington State Beekeeper's Association
WDFW	Washington Department of Fish and Wildlife

WPZ	Woodland Park Zoo
WSDOT	Washington State Department of Transportation
WSIRB	Washington State Institutional Review Board
Definitions & General Abbreviations	
MAX	Maximum custody areas are also called IMUs (Intensive Management Unit) and segregation
MED	Medium custody includes close custody, which has less freedom, and general population.
MIN	Minimum custody areas are also called MSUs (Minimum Security Unit). WA has three prisons (CCCC, LCC, and MCCCW) that are wholly MIN and house incarcerated individuals with four years or less remaining on their sentences.
OMNI	Offender Management Network Information
PPE	Personal Protective Equipment