



FY 2021 (7/1/20 – 6/30/21) Annual Work Plan
South Yakima Conservation District
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Mission of the South Yakima Conservation District

- Our primary goal is to promote and assist all landowners with the wise use, development, and conservation of our renewable natural resources.

Natural Resource Priorities

- **Water Quantity/ Irrigation Water Management** - (Irrigation conversions to prevent soil & water run-off, inefficient water use, inadequate water storage and supply).
 - State and local natural resource concern - NRCS Resource Assessment, Local GWMA, and Yakima County Voluntary Stewardship Program (VSP).
- **Water Quality/Nutrient Management** – (Excess nutrients in surface and ground waters through surface run-off, leaching into shallow ground waters.)
 - State and local natural resource concern – NRCS Resource Assessment, Local GWMA, and Yakima County Voluntary Stewardship Program (VSP).
- **Soil Health** - (Improve soil health through soil testing, moisture monitoring, improve organic matter with direct seed, increase production and protect natural resources, such as air and water).
 - National, State, Regional and Local Natural Resource Concerns – Local GWMA, Local Concerns, NRCS Initiative. Drought Resiliency efforts.
- **Education** - (Outreach & Education for producers, youth & consumers).
 - Local Concerns. VSP, GWMA,
- **District Operations** – (Meet all required Conservation Accountability and Performance elements).
 - Local Concerns.
- **Energy** - (Energy conservation on facilities and landscape farming & ranching.)
 - State and Local Natural Resource Concern - NRCS Resource Assessment, Utility incentive programs, WSU On-Farm Energy Program. Green House Gas emissions and Carbon Sequestration utilizing Bio-char WSU Research .
- **Soil Erosion by Water and Air** (Transport of soil particles caused by rainfall run-off, irrigation run-off, or by wind.)
 - State and local natural resource concern - NRCS Resource Assessment, Local TMDL, Roza /Sunnyside Board of Joint Control policy of 25 NTU.
- **Noxious Weeds** (Control noxious weeds).
 - Local natural resource concern – NRCS Quality Criteria, Central Weed Management Area. Yakima County WCB



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1. Natural Resource Priority Program Area: Water Quantity – Irrigation Water Management-Rill to Sprinkler Conversions.

Goal(s): (1) Promote irrigation conversions to prevent soil & water run-off, improve inefficient water use and inadequate water storage and supply within the GWMA area and the Yakama Nation.

Natural Resource Measurable Result Objective: Convert 6-10 surface irrigation systems on 400-600 acres of cropland to sprinkler systems.

Programmatic Measurable Result Objective: Work with all irrigation districts to provide technical assistance, and financial assistance if available, as requested by surface irrigated landowners.

(2) Reduce potential groundwater contamination from irrigated cropland with moisture monitoring as a part of IWM.

Natural Resource Measurable Result Objective: Promote proper irrigation water management with moisture monitoring by installing 6 to 10 soil moisture sensors with uplink to Irrigation Scheduling on approximately 200-250 acres.

Programmatic Measurable Result Objective: Provide technical assistance to approximately 3-5 landowners resulting in the implementation of 3-5 IWM Plans.



Funding Source(s): WSCC, Local Assessment, Potential Future Grants

Activities for FY 2021	Target Dates	Person Responsible	Time(Days) Required	Estimated Funding	Notes
Maintain contact with DOE regarding the status of all sediment impaired water bodies with TMDL's including the Yakima River, Granger Drain Fecal Coliform TMDL and the Sulphur Creek & Lower Yakima Sediment TMDL process.	6/30/21	Rodney	.5	\$ 206	
Participate in at least 2-3 informational webinars/ meetings/ workshops on Irrigation Water Management (IWM) and new alternative methods and technology in this field.	6/30/21	Laurie Rodney	1 4	\$ 416 \$ 960	

Support and promote surface irrigation conversions and soil moisture monitoring. Provide landowner cost-share when available.	6/30/21	Rodney	15	\$3,500	
Seek funding for irrigation BMP's/irrigation conversions and distribution efficiency by making contacts and submitting grant proposals.	On-going	Rodney Staff	4	\$1,290	
Provide technical assistance to 10 producers and cost-share (dependent on funding) to 1 – 5 of those producers to emphasize the high priority of resource protection caused by soil erosion due to irrigation.	6/30/21	Rodney Laurie	80 4	\$18,560 1,648	
Continue to update landowner IWM assessment questionnaire to determine the level of potential project needs within our district and secure cost-share funding.	6/30/21	Rodney	1	\$ 240	
Work with 5-10 landowners to install soil moisture monitors on 200-250 acres incorporate precision Ag technologies and tools, deep soil sampling, drone imagery, etc.	6/30/21	Rodney	3	\$ 700	

2. Natural Resource Priority Program Area: Nutrient Management

Goal(s): Promote and implement proper nutrient management best management practices within the GWMA to reduce water quality impairment.

Natural Resource Measurable Result Objective: Provide soil sampling and/or deep soil sampling to interested agricultural producers to plan & implement nutrient management systems, Irrigation Water Systems on cropland acres within the LYVGWMA.

Programmatic Measurable Result Objective:

(1) Work with 15-20 agricultural producers to implement nutrient management systems on approximately 800 acres.

Funding Source(s): WSCC, Local Assessment, VSP, Potential Future Grants

Activities for FY 2021	Target Dates	Person Responsible	Time(Days) Required	Estimated Funding	Notes
Provide Technical Assistance to livestock producers in developing Dairy Nutrient Management Plans and/or Ecology's Manure Pollution Protection Plan (MPPP) for the NPDES permit.	6/30/21	Laurie Rodney	141 80	\$58,100 \$18,560	
Promote Nutrient Management Practices through nutrient testing, record keeping, technical assistance, soil sampling and outreach & education. Send out at least one fall electronic newsletter to dairy operators.	6/30/21	Rodney	3	\$ 968	
Implement the Yakima County Voluntary Stewardship Program work plan to protect critical areas while maintaining the viability of agriculture in the watershed.	6/30/21	Laurie Rodney	3 10	\$1,248 \$2,320	

Host/Co-Host 2-4 outreach/education meeting/workshops on Nutrient Management, Irrigation Water Management and new alternative BMP's including Drought Resiliency if available funding.	6/30/21	Laurie Rodney	3 3	\$ 1,248 \$ 700	
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3. Natural Resource Priority Program Area: Soil Health

Goal(s): Work with producers on the importance of soil testing, nutrient cycling, cover crops, maintaining soil moisture, improving soil health on cropland acres to maintain other natural resources; water quality, air quality, and wildlife habitat.

Natural Resource Measurable Result Objective: Improve soil quality to reduce run-off, prevent soil & wind erosion, improve nutrient efficiencies and ensure sustainability.

Programmatic Measurable Result Objective: Provide the use of the Inter-Seed drill to 35-40 landowners on approximately 1000 acres through the district's Drill Rental Program. Discuss the benefits of no-till management.



Funding Source(s): WSCC, Local Assessment, NRCS, Potential Future Grants

Activities for FY2021	Target Dates	Person Responsible	Time(Days) Required	Estimated Funding	Notes
Maintain and provide the use of the Inter-Seed Drills to growers to improve soil health, nutrient efficiencies, reduce soil erosion and establish Wildlife and pollinator Habitat.	6/30/21	Rodney Staff	10 2	\$ 2,400 \$ 832	
Promote managing healthy, productive soils by soil testing, soil moisture monitoring, establishing cover crops to maintain water quality, air quality and wildlife habitat.	6/30/21	Rodney Laurie Staff	11	\$ 2,640	
Host/Co-Host an annual meeting/workshop on the benefits of maintaining Soil Health for improved crop production, nutrient management, irrigation water & air quality.	6/30/21	Rodney Laurie Staff	2 2	\$ 480 \$ 832	

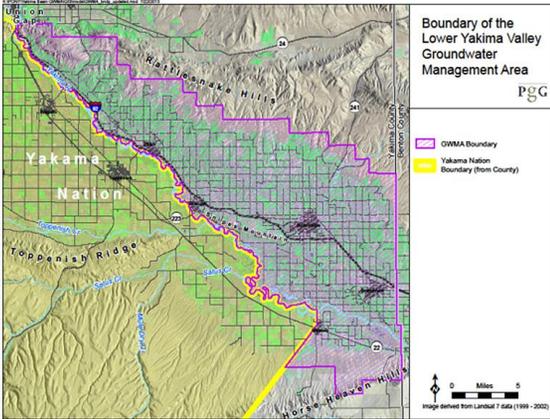
District Program Area: 1. District Operations

Goal(s): Provide training and ongoing education to District Staff and Supervisors. Continue to seek appropriate funding to enhance the long range goals of the District, and work with other Districts and Agencies to improve program efficiency.

Funding Source(s): WSCC, Local Assessment, Potential Grants

Activities for FY2021	Target Dates	Person Responsible	Time(Days) Required	Estimated Funding	Notes
Coordinate various District activities and programs in a timely manner.	6/30/21	Laurie/Rodney Staff	40	\$16,480	
Complete Internal Audit (Schedule 22) yearly and review at a monthly Board Meeting.	3/31/21	Supervisors Laurie	0.25 0.25	Volunteer \$ 103	
Complete and submit yearly State Auditor's Report	5/30/21	Laurie/Staff	5	\$2,100	
Supervisors complete at least 1 training session during year. (at WACD or a district's work/training day)	6/30/21	Supervisors	1	Volunteer	
Each staff/supervisor to attend one training session. (Webinars or workshops)	6/30/21	Staff Supervisors	1 1	\$ 645 Volunteer	
Review Annual Plan of Work a minimum of 4 X per year (Quarterly).	6/30/21	Supervisors Staff	0.5 0.5	Volunteer \$ 165	
Review Long Range Plan yearly and update as necessary	6/30/21	Supervisors Staff	0.5 0.5	Volunteer \$164	
Coordinate with other Conservation Districts and NRCS, to enhance program efficiencies, by attending at least 1 LWG meeting.	4/28/21	Supervisor Rodney	1 1	Volunteer \$ 323	
Update assessment data through-out the year and submit to Yakima County, as directed, to facilitate processing of District Assessment funding.	1/6/21	Rodney/Staff	7	\$ 2,880	
Conduct 1 Supervisor orientation training session for new and existing supervisors.	4/31/21	Regional Manager	0.5	Non CD	
Review existing policy manuals, personnel policies, RCW 89.08, agreements with conservation partners and position descriptions for staff 1 X per year.	10/30/21	Staff Supervisors	0.25 0.25	\$164 Volunteer	
Participate in statewide committee work by attending at least 1 meeting.	6/30/21	Staff/Rodney Supervisors	2	\$645 Volunteer	

Develop training plan for supervisors and employees	10/30/21	Rodney	1	\$412	
Assist Cities, Towns, Ports and other stakeholders with projects and technical assistance when needed.	6/30/21	Rodney/Staff Supervisors	1.5	\$500 Volunteer	
Work with the Yakima Valley Fire Adapted Coalition and other organizations to promote achieving greater effectiveness in addressing wildfire issues. Regularly attend any meetings.	6/30/21	Rodney	2	\$ 645	



Nitrates – An Area Wide Resource Concern



Soil Health, Understanding Function and Management



Nutrient Management - UTV Mounted Soil Sampler



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District Program Area: 2. Information and Education

Goal(s): Provide Information and Educational programs for the general public, landowners, school, and all others interested in protecting our natural resources.

Programmatic Measurable Result Objective:

Education Outreach programs will provide “hands-on” experience to 1000’s of students & teachers.

Funding Source(s): WSCC, Local Assessment, Potential Grants

Activities for FY2021	Target Dates	Person Responsible	Time(Days) Required	Estimated Funding	Notes
Manage and maintain District website for public outreach and information on current issues, topics and district programs as needed throughout the year.	6/30/21	Rodney/Staff	2	\$640	
Update MOU with Benton Conservation District to provide Salmon in the Classroom. New MOUs as needed partnering with other Conservation Districts.	10/31/21	Rodney	0.5	\$160	
Continue to work with Franklin Conservation District to provide educational programs such as Jr. Drain, Wheat Week, etc. to schools within our district boundaries.	10/31/21	Rodney	0.25	\$103	
Maintain awareness of water storage issues by attending at least 1 meeting concerning water storage alternatives. Promote the Integrated water basin plan and landowner Drought assistance.	6/30/21	Supervisors Rodney	.5 5	Volunteer \$2,000	



No-Till Drill Rental



Salmon in the Classroom



Soil Moisture Monitoring



Annual Work Plan
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Estimated Budget Based on FY 2019

Assessment Receipts	58,700
Grant Funds	345,000
Rents, Leases	29,510
Interest Earned	337
Inter-Seed Drill Rental	8,303
Other	4,199
Estimated Income	396,604

Assessment Administration Fee	9,849
Education/Outreach	8,440
Employee Wages	130,000
Employee Benefits	29,375
Administration	30,000
Property Tax	6,000
Dues	5,600
Operational Expenses	165,516
Inter-Seed Drill Maintenance/Repairs	5,278
Estimated Expenditures	390,058