

**QUARTERLY PHYSICAL REPORT OF OPERATION**  
As of 3rd Quarter 2022

COMMISSION ON AUDIT  
Bureau of Soils and Water Management

Received by : Jared  
Date : 10-19-22

Appendix 16  
BAR No. 1

Department : Department of Agriculture (DA)  
Entity Name : \_\_\_\_\_  
Operating Unit : BUREAU OF SOILS AND WATER MANAGEMENT  
Organization Code (UACS) : 050010000000

<input checked="" type="checkbox"/>	Current Year Appropriations
<input type="checkbox"/>	Supplemental Appropriations
<input type="checkbox"/>	Continuing Appropriations
<input type="checkbox"/>	Off-Budget Account

DIVISION	Particulars	UACS CODE	Physical Targets					Physical Accomplishments				Variance as of Dec 2022	Remarks
			1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	1st Quarter	2nd Quarter	3rd Quarter	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>I. Support to Operation (STO)- Planning and Policy Formulation for Soil and Water Resources Conservation Management and Development</b>													
<b>Soil and Land Evaluation Studies conducted</b>			3	1	0	0	4	4	2	1	7		
ALMED	Soil Land Resources Evaluation Project in Pura Tarlac		1	0	0	0	1	1	0	1	2		Conducted Pre-survey phase of Soil/Land Resources Evaluation and SAFDZ-CLUP Integration Project of the Municipality of Pura, Tarlac
SSD	Updating and Enhancement of Conventional Soil Resource Information for Strategic Agricultural Development and Investment Planning		0	1	0	0	1	1	1	0	2		
	Rapid Soil Resource Assessment of Calamity-Stricken Provinces		1	0	0	0	1	1	1	0	2		
	Evaluation and Mapping of Black Soils in Selected Sites in the Philippines		1	0	0	0	1	1	0	0	1		
<b>Provinces covered for Soil Evaluation Studies Conducted</b>			2	2	2	0	6	2	2	2	6		
SSD	Updating and Enhancement of Conventional Soil Resource Information for Strategic Agricultural Development and Investment Planning (SADIP) Provinces		1	1	2	0	4	1	1	2	4		
	Rapid Soil Resource Assessment of Calamity-Stricken Provinces		0	1	0	0	1	0	1	0	1		
	Evaluation and Mapping of Black Soils in Selected Sites in the Philippines		1	0	0	0	1	1	0	0	1		
<b>Policy recommendation endorsed</b>			0	1	0	1	2	0	1	3	4		
ALMED	Strengthening and Mainstreaming the Evaluation and Mechanism on Land Use Reclassification (SEMLUR)		0	1	0	1	2	0	1	3	4		Prepared and submitted: 1 DA's Roles in Land Use Reclassification, 1 Frequently Asked Questions (FAQs) on DA's Role on Land Use Reclassification 1 Land Use Reclassification Status as of 2020
<b>Maps generated/updated</b>			10	21	30	20	81	0	81	122	203		
GSITD	Different thematic maps derived from various provinces of the Philippines.		10	21	30	20	81	0	81	122	203		<b>Other accomplishments:</b> DEM (30 x 30 m resolution); Slope (30 x 30 m resolution); Layouting of Land Degradation Map (1:125,000) (Provinces); Land Factor/Decision Map; Updating of National Map (Soil Series); Land Cover Maps (generated thru satellite image); Drought and Crop Assessment and Forecasting Outputs; Geo-spatial processing of 10 National Soil Property Maps ; Ground Water Potential and Recharge Zone Maps
<b>Maps atlas produced</b>			0	2	1	2	5	0	2	1	3		
SSD	Strategic Agricultural Development and Investment Planning (SADIP) Map atlas		0	2	0	2	4	0	2	0	2		
	Rapid Soil Resource Assessment of Calamity-Stricken Map Atlas		0	0	1	0	1	0	0	1	1		
<b>IEC Materials</b>			3218	3233	3168	2878	12,497	1466	4259	2513	8238		
ALMED	SEMLUR- Manual Protocol		0	15	0	10	25	25	0	0	25		
LUPEZ	REGULAR- IEC Materials		75	75	75	75	300	94	180	23	297		
HILLPEZ	REGULAR- IEC Materials		350	350	300	0	1000	350	350	300	1000		
HIGHPEZ	REGULAR- IEC Materials		100	100	100	100	400	100	100	100	300		
INFO UNIT	REGULAR- IEC Materials		1443	1443	1443	1443	5772	250	3,333	2,000	5583		
CUSTOMER CENTER	REGULAR- IEC Materials		1250	1250	1250	1250	5000	647	296	90	1033		
<b>Information System developed</b>			0	0	1	0	1	0	0	0	0		
GSITD	REGULAR		0	0	1	0	1	0	0	0	0		Adjustment on the functions.
<b>Information System Maintained</b>			11	11	11	11	11	11	(11)	(11)	11		
GSITD	REGULAR- Info system maintained		(11)	(11)	(11)	(11)	11	(11)	(11)	(11)	(11)		
<b>Database developed</b>			0	0	3	0	3	1	1	0	2		
GSITD	REGULAR- Database developed		0	0	3	0	3	1	1	0	2		
<b>Database maintained</b>			12	12	12	12	12	12	(12)	(12)	12		
GSITD	REGULAR- Database maintained		(12)	(12)	(12)	(12)	12	(12)	(12)	(12)	(12)		
<b>ICT Equipment Maintenance conducted</b>			65	87	85	48	285	65	80	74	219		
GSITD	REGULAR- Whole Bureau scheduled maintenance		65	87	85	48	285	65	80	74	219		Accommodated other activities for ICT Maintenance.
<b>Sustained soil,water, fertilizer parameters for accreditation</b>			25	(25)	(25)	(25)	25	25	(25)	(25)	25		
LSD- ISO 17025	Maintenance of ISO 17025 Accreditation has become a way of life - part of routine laboratory activities		(25)	(25)	(25)	(25)	25	25	(25)	(25)	(25)		
<b>Laboratory samples analyzed</b>			933	1455	1457	1035	4880	576	1588	1457	3621		
LSD-REGULAR	Chemical Analysis (Quantitative)		350	600	600	450	2000	149	568	675	1392		
	Physical Analysis		200	300	300	200	1000	181	401	474	1056		
	Rapid Soil Test Analysis (Other LSD)		100	150	150	100	500	6	44	52	102		
	Water Samples Analyzed		11	13	15	11	50	61	3	93	157		
	Plant Tissue Samples Analyzed		40	50	50	40	180	6	205	0	211		
	Fertilizer samples Analyzed		21	28	28	23	100	53	114	16	183		
	Microbial Analysis		11	14	14	11	50	66	39	57	162		
			200	300	300	200	1000	54	214	90	358		



DIVISION	Particulars	UACS CODE	Physical Targets					Physical Accomplishments				Variance as of Dec 2022	Remarks
			1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	1st Quarter	2nd Quarter	3rd Quarter	Total		
Soil Test Kit distributed			50	50	50	50	200	50	331	219	600		
Registration and licensing			0	15	15	0	30	30	10	6	46		
LSD- PD 1435	Soil Laboratory Monitored		0	10	10	0	20	20	9	6	35		
	Soil Laboratory Inspected		0	5	5	0	10	10	1	0	11		
Public/Stakeholders consulation conducted			0	4	0	2	6	2	2	1	5		
ALMED-REGULAR	Public/ Stakeholders consultation		0	1	0	1	2	1	0	0	1		
ALMED-SEMLUR	National meetings		0	1	0	1	2	0	1	1	2		National Meeting conducted (Online) with DA-RFOs
SCMD-REGULAR	Stakeholder's consultation		0	2	0	0	2	1	1	0	2		
Capacity Building for Soil Conservation, Development and Management			3	9	5	3	20	6	11	7	24		
LSD-PD 1435	Capacity building for PD 1435 implementation		1	2	0	0	3	1	2	2	5		
LSD-PD 1436	Capacity building related to ISO IEC 17025		1	2	1	1	5	0	2	0	2		
SCMD - REGULAR	Soil Conservation Training (SLM)		0	2	1	0	3	0	2	0			Rescheduled due to the processing of cash advance replenishment
SSD- SADIP	Capacity building on Updating and Enhancement of Conventional Soil Resource Information for Strategic Agricultural Development and Investment Planning (SADIP).		0	0	1	0	1	0	0	0	0	-1	Postponed due to unavailability of the SSD personnel on the said dates
LUPEZ-REGULAR	Capacity building on Hydroponic System; Mushroom Production Training; Organic Plant Supplement.		0	1	1	1	3	4	3	3	10		1. Training on Statistical Design, Analysis and Interpretation (March 9-10) 2. Training on Physical Analysis and Hands-on Bulk Density (March 21-22) 3. 2022 Women's Month Celebration (March 22) 4. Module 1 Vermicomposting (March 28) 5. Module2: Different Organic Plant Supplement (April 4) 6. Module 3: Vermitea and Mokusaku (April 11) 7. Module 4: Farm Machineries and Equipment Operation (April 18) 8. Module 5. Introduction to Arduino (April 25) 9. Modile 6 Lecture on Water Resources Engineering (April 26-27) 10. Module 7I: Design of RAM Pump
HILLPEZ-REGULAR	Capacity building on Soil and Water Technologies		1	1	1	0	3	1	1	1	3		
HIGHPEZ-REGULAR	Capacity building on the Enhancement of Soil and Water Conservation Technologies in the Highland.		0	1	0	1	2	0	1	1	2		
Other training-related events conducted			2	1	1	0	4	0	2	0	2		
LSD-PD1435	Philippine National Soil Laboratory Network (PHIL NASOLAN) Annual Meeting		0	0	1	0	1	0	0	0	0		
SCMD-CAUAYAN	Technical inception - Development of Model Farm in Cauayan City, Isabela		0	1	0	0	1	0	1	0	1		
SSD-RAPID SOIL	Technical inception - Rapid Soil Resource Assessment of Calamity-Stricken		1	0	0	0	1	0	1	0	1		Technical inception briefing was moved to the 2nd Quarter close to the fieldwork schedule due to the unavailability of some field team members
SSD-BLACK SOILS	Technical inception - Evaluation and Mapping of Black Soils in Selected Sites in the Philippine.		1	0	0	0	1	0	0	0	0		
Soil and Water Management technodemo established/implemented			8	12	13	10	19	12	11	11	32		
SCMD-REGULAR	Soil and water management techno-demonstration established implemented		1	1	1	1	1	1	(1)	(1)	(1)		
SMD-CAUAYAN	SC model farm		0	0	1	0	1	2	0	1	3		
SCMD-MANILA BAY	Techno demo sites		3	0	0	0	3	5	6	5	16		
LUPEZ-REGULAR	Techno demo sites		1	1	1	0	3	1	1	1	3		
HILLPEZ-REGULAR	Techno demo sites		3	3	3	2	11	3	3	3	9		
Soil and Water Management techno-demonstrations maintained			10	11	10	11	20	10	11	11	16		
LUPEZ-REGULAR	Techno demo sites maintained		(1)	(1)	0	0	1	(1)	(1)	(1)	1		
HILLPEZ-REGULAR	Techno demo sites maintained		2	3	3	4	12	2	3	3	8		
HIGHPEZ-REGULAR	Techno demo sites maintained		7	(7)	(7)	(7)	7	(7)	(7)	(7)	(7)		
Soil and Water Management techno-demonstrations monitored			13	5	13	5	36	15	3	12	30		
SCMD-REGULAR	Soil and water management techno-demonstrations monitored		3	(6)	3	(6)	6	3	(6)	3	6		
SCMD-MANILA BAY	Technodemo for Manila Bay monitored		10	5	10	5	30	12	3	9	24		
FIELD PROGRAM MONITORING ACTIVITIES- OAP													
OAP	Validation of target beneficiaries' field Visits conducted for CFBW under OAP		0	111	25	0	136	0	0	119	119		
FIELD PROGRAM MONITORING ACTIVITIES- HVCDP													
OAP	Number of units delivered validated monitored		0	40	30	0	70	0	0	70	70		



DIVISION	Particulars	UACS CODE	Physical Targets					Physical Accomplishments				Variance as of Dec 2022	Remarks
			1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	1st Quarter	2nd Quarter	3rd Quarter	Total		
II. Operations													
Other Research and Development Activities		310104100006000											
SWRRD-Other RD	Improving Nutrient Use Efficiency towards precision Agriculture through Enhanced Soil and Water Reseources Research		(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	1		
SCMD-Other RD	Manila Bay Clean-Up Rehabilitation and Restoration		(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	1		
SWRRD-Other RD	Improving Soil Productivity of Marginal Hillyland through the Development of Philippines Hillyland Pedo-Ecological Zone Database and Promotion of Sustainable Land Management		(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	1		
LUPEZ- Other RD	Effects of Selected Certified Organic Fertilizers on Soil Fertility, Productivity, and Income of Rice ( <i>Oryza sativa L.</i> )		(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	1		
LUPEZ- Other RD	Validation of Registered Biofertilizers on Selected Crops and its Effect on Soil Microbial Communities		(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	1		
LUPEZ- Other RD	Growth and Yield Performance of Eggplant ( <i>Solannum melogena L.</i> ) Applied with different liquid Organic Plant Supplement		(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	1		
LUPEZ- Other RD	National Soil Sampling and Testing for Fertility and Crop Suitability Assessment (Fertilizer Recommendation-Guide for Rice) under Lowland Upland Pedo-Ecological Zone Condition		(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	1		
HILLPEZ- Other RD	Effect of Nitrogen Fertilizer Sources on the Growth and Yield of Pineapple ( <i>Annas comosus L. merr</i> ) in Hillyland Acid Soils of Tanay Rizal		(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	1		
HILLPEZ- Other RD	Biochar efficacy on the Germination and Growth of the Selected Vegetables in Acidic Soils of Hillyland		(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	1		
HIGHPEZ- Other RD	Determination of Pesticide Residue in Soil and Water in Selected Vegetable farms in Bukidnon		(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	1		
HIGHPEZ- Other RD	Potential of Tithonia diversifolia ( <i>Wild sunflower</i> ) - based Vermicompost on Growth and Yield of Carrots		(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	1		
HIGHPEZ- Other RD	Mitigation and Restoration of Degraded Agricultural Highlands in Selected Areas of Mindanao		(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	1		
HIGHPEZ- Other RD	Land Resources Evaluation, Characterization and Classification of Soil for the Proposed Upland Research and Demonstration Center in Marilog District, Davao City												
	RD Study Conducted		0	0	(1)	(1)	1	0	0	(1)	1		
	<i>Techno-demo established</i>		0	0	(1)	(1)	1	0	0	3	3		1. Technology Demonstration on Agroforestry 2. Technology Demonstration on Multi-storey Farming 3. Technology Demonstration on Contour Farming
Irrigation Network Services- Various Water Resources Project		310202100004000											
WRMD-INS	Agromet Stations monitored		16	(16)	(16)	(16)	16	16	(16)	(16)	(16)		
	Development of location specific cropping pattern		0	3	0	0	3	0	3	0	3		
	Feasibility study of SSIPs prepared		1	4	3	4	12	2	0	4	6		
	Irrigation-related Studies Conducted		0	1	0	0	1	0	2	0	2		
	<i>SWIS Operation and maintenance training</i>		4	6	6	4	20	4	6	6	16		
	IEC Material Disseminated		300	450	450	300	1,500	300	492	552	1344		
	<i>Coordination and Terchnical Support to Other Implementers</i>												
	Conduct of Geo-resistivity survey		10	15	15	10	50	15	12	21	48	8	Increase in number of requests received
	Drilling of production wells for SSIPs conducted		2	6	6	2	16	2	2	3	7	-7	Due to continuous unfavorable weather condition in target sites, drilling operation was hampered.
	DED and POW of SSIPs prepared		2	4	4	2	12	2	5	5	12	2	Increase in number of requests; preparation of DED and POW for rehabilitation of SSIPs
	Performance Review/ consulattion Workshop capacity building conducted		0	0	2	1	3	0	0	1	1	-1	The Workshop on the Updating of SSIP Masterplan was rescheduled on October 2022
	Monitoring on on-going SSIP Implementation		41	55	46	38	180	50	46	32	128	-14	Limited field activities were conducted due to unfavorable weather condition on target sites. Field activities were rescheduled
NATIONAL RICE PROGRAM													
WRMD- NRP	Technical and Suport Services Program	310103100001000											
	Extension Support, Education and Training Services (ESETS) Subprogram												
	Institutional Development of SWISA												
	SWISA organized/reorganized		3	2	7	2	20	7	9	7	23		Increase in number of requests reived for SWISA organization/ re-organization
	Training support in Soil Health Restoration	25	7	18	21	12	60	1	23	20	44	-2	One training was rescheduled due to change of site; original site was covered by NIA. One training was rescheduled since it was supposedly discontinued due to supposed budget reduction, however, budget reduction was cancelled thus target activities will be pursued.
	IEC Materials Disseminated												
	IEC Reading Materials (Print)		175	450	525	350	1,500	25	643	189	857	-293	The dissemination of IEC materials was supposedly a discontinued activity due to the supposed reduction of budget. However, the budget reduction was cancelled, thus, the activity must be continued.



DIVISION	Particulars	UACS CODE	Physical Targets				Physical Accomplishments				Variance as of Dec 2022	Remarks	
			1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	1st Quarter	2nd Quarter	3rd Quarter			Total
Research and Development Sub-program													
SWRRD-RD RICE	No. of RD studies /activities conducted		(1)	(1)	(1)	(1)	1	(1)	(1)	(1)	1		Nitrogen Use Efficiency to Increase Grain Yield and Minimize Pollution loading in Irrigated Rice Areas Location: Victoria, Laguna; San Narciso, Zambales
Provision of Agricultural Equipment and Facilities (PAEF)- RICE PROGRAM													
OAP-NRP	Establishment of CFBW		150	270	460	120	1000	0	0	0	0		Procurement is still on process
NATIONAL CORN PROGRAM													
SCMD-ESETS CORN	Technical and Suport Services Program	310104100030000											
	Extension Support, Education and Training Services (ESETS) Subprogram												
	Training-related activities (DA-NCP)		0	1	0	1	2	0	1	0	0		
Research and Development sub-program													
SCMD-RD CORN	R&D study activities conducted		1	(1)	(1)	(1)	1	1	(1)	(1)	1		Sustainable Land Resource Management Approach in Developing Agro-environmental Potential of Vulnerable Uplands and Hilly Lands (SLRMA)
	Specialized Farmers Training Conducted		(6)	(6)	(6)	(6)	6	0	5	1	6		
	Conduct topograhic survey of 20 hectar expansion area (per site)		80	40	-	-	120	80	40	0	120		
	Technical assistance in the establishment of expansion araes and maintenance of pilot area		-	4	2	-	6	-	2	4*	6		
	Monitoring and Evaluation gathering of data and other related information		(6)	(6)	(6)	(6)	6	6	(6)	(6)	6		
	Farmers field day		-	-	-	6	6	-	-	-	-		
NATIONAL ORGANIC AGRICULTURE PROGRAM (NOAP)													
AGRICULTURAL MACHINERY, EQUIPMENT, FACILITIES AND INFRASTRUCTURES PROGRAM													
AGRICULTURAL MACHINERY, EQUIPMENT, AND FACILITIES SUPPORT SERVICES SUB-PROGRAM													
OAP	Extension Support, Education and Training Services (ESETS) Subprogram												
	Traning and tarining related events conducted		7	8	0	0	15	0	0	0	0		Training activities will commence after the distribution of SSCF and CFBW.
	PAEF on the NOAP	310201100005000											
	Composting Facilities for Biodegradable Wastes distributed (established)		0	51	40	0	91	0	0	0	0		Procurement is still on process.
	Estalsihment of Small-scale Composting Facilities (SSCF)		0	28	0	0	28	0	0	0	0		Procurement is still on process.
SWRRD-RD OAP	Research and Development Sub-program												
	No. of RD studies /activities conducted		2	(2)	(2)	(2)	2	2	(2)	(2)	2		1. Assessment of Biochar Derived from Different Agricultural Residue on Physical Properties and CEC of Angeles Series; 2. Enhancing Soil Ecosystem Services through the Use of Cover Crops and Green Manures in Organic Production Systems.
NATIONAL HIGH VALUE CROPS DEVELOPMENT PROGRAM													
AGRICULTURAL MACHINERY, EQUIPMENT, FACILITIES AND INFRASTRUCTURES PROGRAM													
AGRICULTURAL MACHINERY, EQUIPMENT, AND FACILITIES SUPPORT SERVICES SUB-PROGRAM													
OAP	PAEF on the National High-Value Crops Development Program	310201100004000											
	Composting Facilities for Biodegradable Wastes distributed (established)		0	40	30	0	70	0	0	0	0		Procurement is still on process.

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