

4. Implementation Schedule

This section identifies the parties responsible for meeting implementation milestones. Consideration of local priorities for restoration, availability of funding, personnel and equipment, seasonal weather conditions, and coordination opportunities is given. Responsible parties and a schedule are indicated for monitoring and progress reporting.

4.1. *Parties responsible for meeting implementation milestones*

Parties responsible for meeting implementation milestones are summarized below (table 4-1). Responsible parties consist of government agencies, nonprofit organizations, watershed groups, and other stakeholder groups. Their individual and collective contributions are also described.

Table 4-1. Parties Responsible for Meeting Implementation Milestones

Parties Responsible	Planning	Coordination	Education	Funding	Design	Construction	Monitoring	Maintenance
Aquatic Resource Restoration Company	Y	Y	-	-	Y	Y	Y	-
City of York	Y	Y	Y	Y	-	-	Y	Y
Codorus Creek Improvement Partnership	Y	Y	Y	Y	-	-	Y	Y
Codorus Creek Watershed Association	Y	Y	Y	Y	-	-	Y	Y
Codorus Implementation Committee	Y	Y	Y	Y	-	-	Y	Y
Glatfelter	Y	Y	-	Y	-	-	Y	Y
Izaak Walton League - York Chapter 67	Y	Y	Y	Y	-	-	Y	Y
PA Department of Environmental Protection	-	Y	-	Y	-	-	-	-
Pennsylvania Fish and Boat Commission	-	Y	-	Y	Y	-	-	-
PennDOT District 8 Maintenance	-	Y	-	Y	-	Y	Y	Y
Penn State York	-	Y	Y	-	-	-	Y	-
Trout Unlimited, Codorus Chapter	Y	Y	Y	Y	-	-	Y	Y
U.S. Army Corps of Engineers – Balt. District	-	Y	-	Y	Y	Y	Y	-
U.S. Environmental Protection Agency	-	Y	-	Y	-	-	-	-
Watershed Alliance of York (WAY)	Y	Y	Y	Y	-	-	-	-
York County Conservation District	Y	Y	Y	Y	Y	Y	-	-
York County Parks and Recreation	Y	Y	Y	Y	-	-	Y	Y
York County Planning Commission	Y	Y	Y	-	-	-	-	-
York County Community Foundation	-	-	-	Y	-	-	-	-
York Water Company	Y	Y	-	Y	-	-	Y	Y

4.2. Consideration of local priorities for restoration, availability of funding/ personnel/ equipment, seasonal weather conditions, coordination opportunities, etc.

Consideration of local priorities for restoration, availability of funding, personnel and equipment, seasonal weather conditions, and coordination opportunities are discussed below.

Local priorities to restore an ecosystem as complex as the Codorus Creek Watershed will require everyone to address numerous and extremely unique issues. Commitments important to the Codorus Creek Watershed restoration are organized into five strategic focus areas:

- *Protecting and Restoring Living Resources* – Aims to restore, enhance and protect the finfish, shellfish and other living resources, their habitats and ecological relationships to sustain all fisheries and provide for a balanced ecosystem.
- *Protecting and Restoring Vital Habitats* - Aims to preserve protect and restore those habitats and natural areas that are vital to the survival and diversity of the living resources of the Bay and its rivers.
- *Improving Water Quality* - Improving water quality in the Codorus Creek and Susquehanna River is the most critical element in ensuring the future health of Chesapeake Bay.
- *Managing Lands Soundly* - Because pollutants on land are easily washed into streams and rivers, our actions on land ultimately affect the watershed and Bay.
- *Engaging Individuals and Local Communities* - To contribute to watershed restoration, we have to be concerned about resource stewardship in our own communities, homes and backyards.

Funding is the most limiting factors of the watershed restoration process. Sources of funding include public and private grants, donations of cash, materials, equipment and supplies matched in-kind, and volunteer time committed to landowner meetings, planning, public education and outreach, grant writing and administration, technical advisory meetings, construction, monitoring, and maintenance activities. Grants programs typically require a cash match ranging from 15% to 50%. The remaining 50% to 85% can be a local match of in-kind products and services.

Human resources are considered to be adequate for the successful implementation of the plan, both short- and long-term. Short-term limitations include one qualified contractor with experienced personnel and equipment. In order to sustain watershed

restoration progress long-term, a minimum of three restoration contract teams will be necessary, one each working in the East, South, and West Branches, year-round.

Construction activities in stocked trout streams from March 1 through June 15, in wild trout streams from October 1 through December 31, is prohibited unless approval is obtained from the Pennsylvania Fish and Boat Commission's Division of Environmental Services, seasonally.

The Codorus Implementation Committee was previously identified as the existing advisory group best positioned to implement this plan, as time and resources allow.

4.3. *Schedule and parties responsible for monitoring and reporting progress*

Below, an interim schedule and parties responsible for monitoring and reporting progress is given (table 4-2). The interim schedule is based on typical grant funding cycles and reporting requirements. Parties responsible for monitoring will report progress to the Codorus Implementation Committee (CIC), individually and separately. The CIC will evaluate monitoring and progress reporting and publish these results in a report, annually.

Table 4-2. Schedule and Parties Responsible for Monitoring and Reporting Progress.

Responsible Party	Monitoring	Progress Reporting
Aquatic Resource Restoration Company	Quarterly	Annually
City of York	Quarterly	Annually
Codorus Creek Improvement Partnership	Quarterly	Annually
Codorus Creek Watershed Association	Quarterly	Annually
Codorus Implementation Committee	Quarterly	Annually
Glatfelter	Quarterly	Annually
Izaak Walton League of America, York Chapter 67	Quarterly	Annually
Pennsylvania Department of Environmental Protection	Annually	Biennially
Pennsylvania Fish and Boat Commission	Annually	Biennially
PennDOT District 8 Maintenance	Annually	Biennially
Penn State York	Quarterly	Annually
Trout Unlimited, Codorus Chapter	Quarterly	Annually
U.S. Army Corps of Engineers – Baltimore District	Annually	Biennially
U.S. Environmental Protection Agency	Annually	Biennially
Watershed Alliance of York (WAY)	Quarterly	Annually
York County Conservation District	Quarterly	Annually
York County Department of Parks and Recreation	Quarterly	Annually
York County Planning Commission	Quarterly	Annually
York County Community Foundation	Quarterly	Annually
York Water Company	Quarterly	Annually

The interim schedule of priority restoration activity by subwatershed and aggregated for the watershed as a whole is given below (Table 4-3). Stream priorities are based on the three watershed assessment stream reach scores. Priorities of high (1), medium (2) and low (3) are based on stream impairments of severe, moderate and slightly to none, respectively. Subwatershed streams are numbered from 1 to X, from highest to lowest priority, by watershed. The interim schedule is based on watershed restoration activities in three phases: 1) design, 2) construction (including permitting), and 3) monitoring and maintenance. Planned starting dates are given for each of the three phases. Also, consideration is given to local priorities for restoration, availability of funding, personnel and equipment, seasonal weather conditions, and coordination opportunities as time and resources allow.

Table 4-3. Implementation Schedule of Priority Restoration Activity by Subwatershed and Watershed

EAST BRANCH CODORUS CREEK WATERSHED	Reaches	Priority 1	Priority 2	Priority 3	Other	Total	Priority 1 Design/Build	Priority 2 Design/Build	Monitor & Maintain
Stream Priority		(Feet)	(Feet)	(Feet)	(Feet)	(Feet)	Short-Term (<2 yr)	Mid-Term (<5 yr)	Long-Term (≥5 yr)
1. East Branch CC-3 (Lower)	EBCC-77	20,793	45,128	16,288	949	83,158	2008	2010	2013
2. Dunkard Valley Trib	DVT-31	11,025	9,016	15,728	366	36,135	2007	2009	2012
3. Seaks Run	SR-31	8,995	13,471	16,137	3,366	41,969	Done	-	-
4. Barshinger Creek	BC-52	7,924	45,553	2,053	0	55,530	2009	2011	2014
5. Inners Creek	IC-47	6,257	11,255	21,500	1,045	40,057	2009	2011	2014
6. Graydon Road Trib	GRT-11	3,327	7,103	0	0	10,430	2010	2012	2015
7. Ridgeview Road Trib	RRT-10	1,991	3,902	816	0	6,709	2010	2012	2015
8. Blymire Hollow Trib	BHT-52	1,985	42,431	29,482	500	74,398	2011	2013	2016
9. Winterstown Boro S Trib	WBST-8	1,975	1,247	4,280	0	7,502	2011	2013	2016
10. Winterstown Boro N Trib	WBNT-18	1,302	9,265	8,965	0	19,532	2011	2013	2016
11. Jacobus Boro N. Trib	JBNT-5	1,176	3,000	0	0	4,176	2012	2014	2017
12. Dallastown South Trib	DST-21	759	13,558	2,465	0	16,782	2012	2014	2017
13. Nixon Park Trib	NPT-37	234	21,168	18,114	0	39,516	Done	-	-
14. Reynolds Mill Trib	RMT-4	210	1,291	1,548	0	3,049	2012	2014	2017
15. Mt. Zion Trib	MZT-10	0	11,661	1,119	0	12,780	2013	2015	2018
16. Arlington Park Trib	APT-17	0	11,078	4,074	0	15,152	2013	2015	2018
17. Hametown Trib	HT-15	0	9,084	6,262	135	15,481	2013	2015	2018
18. East Branch CC-2 (Mid)	EBCC-17	0	9,022	7564	0	16,586	2014	2016	2019
19. I-83 Exit Three Trib	ETT-12	0	7,028	2,611	0	9,639	2015	2017	2020
20. Jacobus Boro W. Trib	JBWT-7	0	4,359	198	0	4,557	2015	2017	2020
21. I-83 Exit Four Trib	EFT-8	0	3,245	1,280	640	5,165	2015	2017	2020
22. Jacobus Boro E.	JBET-7	0	1,974	3,337	0	5,311	2016	2018	2021
23. Rehmyer Hollow Trib	RHT-9	0	1,089	7,306	521	8,916	2016	2018	2021
24. Spartan Road Trib	SRT-5	0	265	3,646	0	3,911	2016	2018	2021
25. Mt. Olivet Trib	MOT-13	0	41	12,914	181	13,136	2016	2018	2021
26. Leaders Heights S. Trib	LHST-2	0	0	2,392	0	2,392	-	-	-
27. East Branch CC-1	EBCC-1	0	0	0	0	0	-	-	-

SOUTH BRANCH CODORUS CREEK WATERSHED	Reaches	Priority 1	Priority 2	Priority 3	Other	Total	Priority 1 Design/ Build	Priority 2 Design/ Build	Monitor & Maintain
Stream Priority		(Feet)	(Feet)	(Feet)	(Feet)	(Feet)	Short- Term (<2 yr)	Mid- Term (<5 yr)	Long- Term (≥5 yr)
1. South Branch CC	SBCC	31,125	44,759	68,820	358	145,062	2007	2009	2012
2. Fishel Creek	FIC-38	7,752	11,220	29,407	0	48,379	2008	2010	2013
3. Foust Creek	FOC-15	2,914	4,973	12,056	0	19,943	2009	2011	2014
4. Glen Rock Valley Trib	GRVT-25	2,735	17,848	18,309	0	38,892	2009	2011	2014
5. Travis Trib	TT-22	2,518	5,761	12,995	0	21,274	2009	2011	2014
6. Pierceville Run	PR-47	2,485	33,290	38,529	0	74,304	2010	2012	2015
7. Centerville Creek	CC-64	2,336	24,163	51,398	0	77,897	2010	2012	2015
8. Strithouser Trib	ST-21	940	31,898	15,862	0	48,700	2011	2013	2016
9. Hungerford Trib	HuT-18	898	2,204	9,560	942	13,604	2011	2013	2016
10. Seven Valleys N. Trib	SVNT-10	436	2,523	8,244	0	11,203	2011	2013	2016
11. Trout Run	TR-28	227	8,421	25,403	204	34,255	2011	2013	2016
12. Krebs Valley Trib	KVT-26	0	33,412	13,893	0	47,305	2012	2014	2017
13. Hanover Junction Trib	HJT-16	0	19,476	0	0	19,476	2013	2015	2018
14. Wangs Trib	WT-7	0	13,821	0	0	13,821	2014	2016	2019
15. Zeiglers Church Trib	ZCT-17	0	10,367	5,725	0	16,092	2015	2017	2020
16. Brush Valley Trib	BRVT-11	0	5,642	13,567	0	19,209	2016	2018	2021
17. New Freedom Trib	NFT-2	0	4,745	0	0	4,745	2016	2018	2021
18. Cherry Run	CR-10	0	4,203	12,367	0	16,570	2016	2018	2021
19. Bens Trib	BeT-1	0	4,153	0	0	4,153	2017	2019	2022
20. Buffalo Valley Trib	BUVT-9	0	2,730	25,079	0	27,809	2017	2019	0222
21. New Freedom Ch Trib	NFCT-13	0	2,350	23,944	0	26,294	2017	2019	2022
22. Seven Valleys S. Trib	SVST-19	0	2,291	14,523	0	16,814	2018	2020	2023
23. Larue Trib	LT-17	0	1,839	10,643	0	12,482	2018	2020	2023
24. Glen Rock South Trib	GRST-6	0	1,437	1,966	2,228	5,631	2018	2020	2023
25. Railroad Trib	RRT-6	0	989	2,786	845	4,620	2019	2021	2024
26. Golf Course Trib	GCT-7	0	626	4,247	0	4,873	2019	2021	2024
27. Peter & Paul Trib	PPT-4	0	254	4,963	0	5,217	2019	2021	2024
28. North Railroad Trib	NRT-4	0	0	2,619	0	2,619	-	-	-
TOTAL		54,366	295,395	426,905	4,577	781,243			
WEST BRANCH CODORUS CREEK WATERSHED	Reaches	Priority 1	Priority 2	Priority 3	Other	Total	Priority 1 Design/ Build	Priority 2 Design/ Build	Monitor & Maintain
Stream Priority		(Feet)	(Feet)	(Feet)	(Feet)	(Feet)	Short- Term (<2 yr)	Mid- Term (<5 yr)	Long- Term (≥5 yr)
1. Mill Creek	MC-147	44,130	58,069	79,084	18,865	200,148	2007	2009	2012
2. Upper Codorus Creek	UCC-98	39,021	52,694	91,122	0	182,837	2008	2010	2013
3. Codorus Creek	CC-114	32,478	90,252	173,459	7,445	303,634	2009	2011	2014
4. Willis Run	WR-18	20,528	5,449	0	0	25,977	2010	2012	2015
5. Oil Creek	OC-75	16,368	86,053	39,362	206	141,989	2005	2007	2010
6. Long Run	LR-86	14,684	58,471	50,508	0	123,663	2011	2013	2016
7. Spring Garden Park Trib	SGPT-7	7,883	1,367	412	5,449	15,111	2012	2014	2017
8. Violet Hill Trib	VHT-40	6,262	31,896	18,144	0	56,302	2012	2014	2017
9. Furnace Creek	FUC-36	5,518	32,446	6,510	0	44,474	2013	2015	2018
10. Stoverstown Branch	SB-30	5,057	12,597	23,105	0	40,759	2013	2015	2018
11. South Branch CC	SBCC-4	4,990	0	18,601	0	23,591	2014	2016	2019

12. Porters Creek	PC-15	4,404	6,051	6,574	0	17,029	2014	2016	2019
13. Old Paths Trib	OPT-26	3,384	8,369	42,383	0	54,136	2015	2017	2020
14. West Branch CC	WBCC-56	3,319	34,357	56,881	0	94,557	2015	2017	2020
15. Leaders Heights Trib	LHT-20	3,168	24,468	12,155	0	39,791	2015	2017	2020
16. Lightners School Trib	LST-15	2,988	10,555	8,226	1,452	23,221	2016	2018	2021
17. Lehman Trib	LHT-23	1,927	5,903	24,404	0	32,234	2016	2018	2021
18. New Salem Trib	NST-24	1,874	13,659	15,581	0	31,114	2016	2018	2021
19. Nashville Trib	NT-5	1,431	9,192	1,352	0	11,975	2016	2018	2021
20. Prospect Hill Trib	PHT-7	1,151	2,798	2,445	0	6,394	2017	2019	2022
21. Swimming Pool Trib	SPT-14	703	11,236	7,392	0	19,331	2017	2019	2022
22. Emigsville Trib	ET-31	491	7,704	33,174	564	41,933	2017	2019	2022
23. Bunch Creek	BC-11	0	16,278	20,302	0	36,580	2017	2019	2022
24. Dee Run	DR-9	0	16,236	9,493	0	25,729	2018	2020	2023
25. Lincolnway Trib	LT-10	0	15,412	9,203	0	24,615	2018	2020	2023
26. Spring Grove Trib	SGT-5	0	7,096	1,356	0	8,452	2018	2020	2023
27. Starview Trib	SVT-9	0	3,316	11,972	0	15,288	2018	2020	2023
28. Sunnyside Trib	ST-3	0	2,867	3,347	0	6,214	2019	2021	2024
29. Lischy Church Trib	LCT-11	0	1,352	12,155	0	13,507	2019	2021	2024
30. Gitts Run	GR-13	0	528	23,037	0	23,565	2019	2021	2024
31. Trout Run	TR-2	0	0	8,806	0	8,806	-	-	-
TOTAL		221,759	626,671	810,545	33,981	1,692,956			