WAP Goal: To reduce bacteria contamination in the Richland Creek Watershed by 82%.

Objective 1: Reduce peak stormwater flows by at least 25%

Action									
#	Specific Action	Timeframe	Partners	Resources Needed	Evaluation Criteria				
1-1	Implement identified stormwater control measure projects as highlighted in the Southwest High Point Green Infrastructure Plan (January 2019)	Short-Mid	PTRC, SWRF, City of High Point, Guilford Cnty, engineering firms, PCC	Funding, technical assistance, & staff time	# of SCMs installed, stormwater reduced, water quality data, value added (\$/ft/yr)				
	Note: Utilize SWHP Green Infrastructur support.	SWHP Green Infrastructure Plan and WIPS tool. Apply for 319 or other grant funding to							
1-2	Identify additional stormwater retrofit opportunities on public properties	Short	PTRC, SWRF, City of High Point, Guilford Cnty, engineering firms	Technical assistance & staff time	# of identified projects				
	Note: Utilize SCM Suitability Model. Preducation.	ioritize highly v	isible and/or publicly owi						
1-3	Promote stormwater retrofits in future maintenance or redevelopment of publicly owned buildings, parks, parking lots and drainage systems	Ongoing	PTRC, SWRF, City of High Point, Guilford Cnty, engineering firms,	Staff time & training	# of SCMs installed, stormwater reduced, water quality data, value added (\$/ft/yr)				
	Note: Work with partners to provide trand/or cistern installation.	ain barrel workshops, a	nd encourage rain garden						
1-4	Support the City of High Point's Urban Forestry Committee	Ongoing	City of High Point, SWRF, PTRC, KHPB	Technical assistance, staff time & funding	# of street trees planted				
	Note: Work with Urban Forestry Commvolunteer tree planting.	nittee and City	staff to encourage						
1-5	Encourage stormwater reduction measures on City streets in future capital improvement projects	Mid	PTRC, SWRF, City of High Point, Guilford Cnty, engineering firms,, landscaping companies, nurseries	Funding, technical assistance, staff time, & training	# of SCMs installed, stormwater reduced, water quality data, value added (\$/ft/yr)				
	Note: Identify streets that are wide end accommodate.	ough to accom		inances using Code & O	rdinance worksheet to				
1-6	Work with NC Department of Transportation to incorporate retrofits into highway upgrades	Mid-Long	City of High Point, Guilford County, NCDOT, PTRPO	Staff time & technical assistance	# of SCMs installed, stormwater reduced, water quality data, value added (\$/ft/yr)				
	Note: Coordinate with Piedmont Triad RPO.								
1-7	Develop cost share/incentive program to encourage SCMs on private property	Mid	High Point, Guilford County, SWRF, RCSW, WRC, SSMART, Commerce, businesses, & homeowners, PTRC	Funding, technical assistance, educational materials, & staff time	# of SCMs installed, funding provided (\$)				
	Note: This could include financial assist structural SCMs.	tance, developr	ment incentives, or recog	nition programs for bot	h structural or non-				

1-8	Map and inventory existing stormwater network	Ongoing	High Point, Guilford County, PTRC , engineering firms, NCDWR	Funding & technical assistance	# of outfalls/pipes mapped, # of maintenance needs detected	
	Note: Use SCITs tool to mark outfalls. P stormwater infrastructure.	TRC also has ex	xperience mapping			
1-9	Work with businesses and homeowners to disconnect roof drains and/or to identify stormwater retrofit opportunities.	Mid	High Point, SWRF, Guilford County, SSMART, businesses, homeowners	Funding, educational materials, & staff time	# of roofs disconnected, volume of stormwater reduced	
	Note: Identify neighborhoods with dire incentivize.	ct roof drain co	onnections. City could pro	ovide this service at no-	cost to homeowners to	
1-10	Reduce sources of I/I	Mid-Long	High Point Guilford County, PTRC, NCDWI, NCDWR, engineering firms	Funding, technical assistance, & staff time	# of repairs made, volume of I/I reduced	
	Note: Inventory stormwater and waste other maintenance needs.	water systems.	. Continue or expand test	ing to identify potentia	l leaks, connections, or	
1-11	Continue to encourage the use of LIDs measures for new or redevelopment, as site appropriate.	Ongoing	High Point, Guilford County, GCCE, PTRC, WRC, UNCSOG, NCSU-Ext	Technical assistance, staff time, & elected official buy-in	Re-evaluation of CWP Code & Ordinance worksheet	
	Note: Utilize Code & Ordinance Worksh where LIDs would be appropriate	neet. UNC Scho	ol of Governments also h	ias a model Phase II ord	inance.; CHP survey areas	
1-12	Incorporate watershed plan recommendations into other City/County plans	Ongoing	High Point, Guilford County, SWRF, PTRC	Staff time	Track # of action steps achieved since WAP	
	Note: In the process of area planning a Comprehensive Plan.	nd early stages	of updated			
1-13	Identify maintenance priorities for stormwater conveyance repairs and consider retrofits to increase infiltration.	Long- term	High Point, Guilford County Stormwater, PTRC, SWRF, NCSU	Technical assistance, funding, education	# of projects proposed or constructed	
	Note: Work with Adopt-a-Area to mark areas of need.					

Objective 2: Protect and restore riparian buffers along Richland Creek and tributaries

Action #	Specific Action	Timeframe	Partners	Resources Needed	Evaluation Criteria		
2-1	Implement identified riparian buffer improvement projects using native plants	Short-Mid	High Point, Guilford County, SWRF, PTRC, WRC, property owners, landscaping companies, nurseries, NCDWR, NCLWF	Funding, technical assistance, stakeholder buy-in, & staff time	Linear feet of buffers, stormwater reduced, water quality data, value added (\$/ft/yr)		
	Note: Utilize Project Atlas and WIPS to Infrastructure Plan.	019 SWHP Green					
2-2	High Point, SWRF, Guilford County, Stabilize eroding stream banks with Mid High Point, SWRF, FURC, WRC, property		Funding, technical assistance, stakeholder buy-in, & staff time	Linear feet of stabilized streambank, water quality data, value added (\$/ft/yr)			
	Note: Replace hardened structures wh channel design as appropriate						

2-3	Groundtruth riparian buffer assessment to identify additional riparian buffer improvement and stream restoration projects	Short	High Point, Guilford County, SWRF, PTRC, KHPB	Technical assistance & staff time	# of identified projects	
	Note: Utilize Riparian Buffer Assessmentool.	nt and WIPS				
2-4	Reference High Point Stream Improvement Planning and Feasibility Study (June 2020) as compiled by the City parks to tackle streambank issues.	Mid-Long	High Point, Guilford County, PTRC, engineering firms	Technical assistance & staff time	# of concept design plans; # of implementation projects funded	
	Note: Target public parks in watershed Secure funding.	(Macedonia Pa	ark, Harvell Park, and Blai	r Park Golf Course) as r	ecommended in report.	
2-5	Partner with Parks & Rec to consider ecological restoration options for Richland Creek as it flows through Blair Park Golf Course.	Short-Mid	High Point, SWRF, PTRC, engineering firms	Staff time & elected official buy-in	Linear feet of riparian buffers protected, stormwater reduced, water quality data, value added (\$/ft/yr)	
	Note: Keep in mind playability of cours engagement.	e, use as pilot p	project for community			
2-6	Eradicate invasive species in identified BMP locations prior to restoration, couple with extensive treatment regime	Short-Mid	High Point, Guilford County, licensed applicators/landscap ers	Funding, technical assistance, staff & volunteers	# acres of invasive species removed & controlled	
	Note: Help establish reporting system to program	or new crops o	f invasive populations in	order to stay on top of	issue utilize Adopt-a-Area	
2-7	Identify buffers as a priority in other ordinances and plans	Short	High Point, Guilford County, PTRC	Staff time	N/A	
	Note: Subdivision, landscaping, compre	hensive plan, r	ecreation, etc.			
2-8	Develop cost share/incentive program to encourage businesses and homeowners to restore buffers on private property	Mid	High Point, Guilford County, GCSWCD, GCCE, NCSU-Ext, WRC, SSMART, Commerce, businesses, & homeowners	Funding, technical assistance, & staff time	# of participants, linear feet of buffers, funding provided (\$)	
	Note: This could include financial assist friendly' type programs.	ance, recogniti	on &/or rebate programs	s such as 'River-		
2-9	Coordinate buffer improvements with floodplain protection, utility easements, and trail programs	Mid-Long	High Point, Guilford County, PTRC, PLC, PCC, PLT, MST, NCDOT, Duke, PNG, NCORR	Staff time	N/A	
	Note: Communicate with Duke on vege	tation manage	ment options (reduce inv	asive, encourage use o	f native plants, replant with	

Objective 3: Identify and preserve under-utilized, abandoned parcels and open space.

low-growing native)

Action #	Specific Action	Timeframe	Partners	Resources Needed	Evaluation Criteria				
3-1	Work with Guilford County, City of High Point and other partners to prioritize and acquire land for conservation via easements or in feesimple.	Short-Mid	SWRF, High Point, Guilford County, PLC, WRC, PCC, GCSWCD, GCCE, PTRC, NCDWR,	Technical assistance, staff time, & willing property owners	Acres of land conserved, stormwater reduced, water quality data, value added (\$/ft/year)				

			CWMTF, private landowners		
			ianae wiiers		
	Note: Prioritize land in critical areas that	at provides mul	tiple benefits.		
3-2	Use Code & Ordinance Worksheet to identify other opportunities to improve open space protections in City/County ordinances	Short	High Point, Guilford County, PTRC, WRC	Staff time	# of strengthened policies
	Note: Utilize the Green Growth Toolbo	x and trainings	offered by WRC.		
3-3	Identify potential incentives to encourage open space preservation and/or acquisition of easements.	Short	High Point, Guilford County, PTRC, WRC	Technical assistance & staff time	Acres of land conserved, stormwater reduced, water quality data, value added (\$/ft/year)
	Note: Utilize Green Growth Toolbox an	d Code & Ordir	nance Worksheet.		
3-4	Implement floodplain protection and trail opportunities to meet conservation goals	Mid-Long	High Point, SWRF, Guilford County, PTRC, PLC, PCC, PLT, MST, NCDOT, NCORR	Funding, technical assistance, & staff time	Acres of land conserved, linear feet of trail constructed
	Note: Implement SW Heritage Greenway				
3-5	Obtain funding to support creation of Southwest Heritage Greenway	Short-Long	SWRF, High Point, Guilford County, PLC, WRC, PCC, GCSWCD, GCCE, PTRC, NCDWR, CWMTF, private landowners	Funding, technical assistance, & staff time	Linear feet of greenway installed
	Note: Assist with identifying and obtain greenway				

Objective 4: Identification of sources of bacterial contamination.

Action #	Specific Action	Timeframe	Partners	Resources Needed	Evaluation Criteria
4-1	Work with Guilford County Health Department to identify areas of failing septic systems.	Ongoing	Guilford County Health Dpt, PTRC	Staff resources, technical assistance, funding	Track # of systems identified.
	Note:	ote:			
4-2	Obtain funding to offset costs of installing alternative on-site wastewater systems and/or investigate options available to homeowners.	Long-term	Guilford County Health Dpt, PTRC, NC Env Health	Technical assistance, staff time, & funding	Track # of systems retrofitted, replaced or repaired.
	Note: Investigate and/or apply for infra	astructure engir	neering, design and		
4-3	funding. Increase education and outreach to homeowners about responsibility for on-site wastewater system maintenance and functionality.	Ongoing	Guilford County Health Dpt, PTRC, NCSU, NC Environmental Health	Funding, technical assistance, & staff time	# of promotional events or outreach campaigns
	Note: Promote Septic Safe week during by USEPA.				

4-4	Assist City in endeavors to further address public sanitary issues.	Ongoing	High Point, SWRF, Citizens	Technical assistance, staff time, & funding	# of areas of concern					
	Note: Enhance sanitary sewer overflow reporting process/system.									
4-5	Install additional net waste stations High Point SWRF		Staff, funding	# of stations installed and/or maintained						
	Note: Target informational hand-outs a boarding facilities.	and dog-waste	oags to residents, veterin	ary clinics and/or						

Objective 5: Continue and expand water quality monitoring in watershed.

Action #	Specific Action	Timeframe	Partners	Resources Needed	Evaluation Criteria						
5-1	Encourage sharing of Upper Cape Fear River Basin Association coalition data with appropriate High Point staff and departments.	Ongoing	PTRC, UCFRBA	Staff time and connections	Track communication avenues with City.						
	Note: Increase communication and sharing bacterial issues.	aring of data wi	th High Point Stormwater	Dpt., especially							
5-2	Incorporate more consistent sharing of sampling data and results amongst partners for sake detection of issue concerning WQ.	Ongoing	Ongoing High Point, PTRC, UCFRBA		Creation of feedback loop; # of communication/ meetings						
	Note: Work with existing WAP partner water quality data.	ship to periodic	ally update/review								
5-3	Research technologies appropriate to better identify source of fecal coliform impairments.	Ongoing	High Point, PTRC, academic partners	Funding, technical assistance, & staff time	# of studies or students involved with sampling						
	Note: Consider working with academic purposes.	partners for fe	cal source tracking, docu	mentation, and/or data	a collection for informational						
5-4	Offer NCDWR- WIPS and SCITS trainings for application of app in field	Ongoing	High Point, PTRC, academic partners, local partners (SWRF)	Funding, technical assistance, & staff time							
	Note: Educate and train High Point staff to use SCITS, WIPS tools; offer training to public for citizen science support.										

Objective 6: Enrich public information and educational activities.

Action #	Specific Action	Timeframe	Partners	Resources Needed	Evaluation Criteria	
6-1	Support Southwest High Point Renewal Foundation's Green Infrastructure plan.	Short-Mid KHPB, NCDWR, stakeh		Staff time, stakeholder buy-in, funding	# of projects completed	
	Note: Direct connection of green infras greenway footprint.	structure projec	cts to water quality impro	ovements along		
6-2	Promote NC StreamWatch & High Point's Adopt-a-Stream volunteer opportunities.	High Point, Guilford eamWatch & High County, SSMART , -Stream volunteer Ongoing KHPB NCDWR		Technical assistance, staff time, & willing volunteers	# of volunteers, level of interest in program, # of streams monitored, citizen science data	
	Note: Expand stormwater partnerships to reach broader audience and community groups.					

6-3	Install educational signage at SCM project sites and stream crossings	Short-Mid	High Point, Guilford County, SWRF PTRC, PTRPO, SSMART, NCDOT, NCDWR	Funding, technical assistance, & staff time	# of signs installed	
	Note: 319 funding can be used for eduction community in design and/or funding.	cational signage	e, engage art			
6-4	Continue partnership with Guilford County Stormwater and PTRC Stormwater SMART programs to broaden direct marketing campaigns.	Ongoing	High Point, Guilford County, SWRF, SSMART, GCSWCD, GCCE, KRHP, schools	Technical assistance, staff time, funding	# of programs/events, # of people reached, public buy-in	
	Note: Seek partnership funding for larg promotional avenues.	er				
6-5	Tailor messaging and explore other forms of media to reach diverse audiences	Ongoing	High Point, Guilford County, SSMART, GCSWCD, GCCE, KHPB, schools	Technical assistance & staff time	# of new people reached	
	Note: Make sure messaging is available	in multi-lingua	al formats.			
6-6	Work with Keep High Point Beautiful (KHPB) and other partners to reduce litter, pet waste, and pesticide/fertilizer use in watershed	Ongoing	High Point, Guilford County, SWRF SSMART, KHPB	Technical assistance & staff time	Lbs of litter reduced, fecal coliform data, public buy-in	
	Note: Help cross promote need for consouthwest region of watershed.	nmunity engage	ement, especially in			
6-7	Increase stewardship of creeks through passive recreation opportunities	Mid-Long	High Point, Guilford County, SWRF, PTRC	Funding, technical assistance, & staff time	# of new parks/trails	
	Note: Utilize existing greenway and pro	posed SW Her	itage Greenway			
6-8	Schedule good housekeeping training/workshops	Short	High Point, Guilford County, NCSU-Ext, PTRC, NCDWR	Staff time & training	# of trainings/workshops, # of staff trained	
	Note: Keep group informed of upcomir direct education.	ng trainings and	l/or opportunities for			
6-9	Promote online StoryMap and watershed applications	Short	High Point, Guilford County, SWRF, PTRC , NCDWR	Technical assistance & staff time	# of website visits, use of watershed applications	
	Note: Cross promote and share link via media avenues.	PTRC website				
6-10	Provide specific training opportunities to the City of High Point Parks & Rec staff	Ongoing	High Point, Guilford County, NCSU- Ext, PTRC, NCDWR	Technical assistance & staff time	# of trainings/workshops, # of staff trained	
	Note: Work with City staff to determine water quality.	e priority traini	ng needs as related to sto	ormwater, streams,		
6-11	Work with City of High Point Stormwater Management Staff to gain knowledge in applying low- impact and/or green infrastructure options	Ongoing	High Point, Guilford County, NCSU- Ext, PTRC, NCDWR	Technical assistance & staff time	# of trainings/workshops, # of staff trained	
	Note: Keep group informed of upcomir direct education.	ng trainings and	d/or opportunities for			

Richland Creek Watershed Plan

Implementation Schedule

Posity Week: Vest 1 Vest 2 Vest 3 Vest 2 Vest 3 Vest 6 Vest 7 Vest 7 Vest 6 Vest 7 Vest 6 Vest 7 Ves 7 Vest 6 Vest 7 Vest 6 Vest 7 Vest 6 Vest 7 Vest 6			Project Start:												
Activities Association of the process states and state of the state o			Display Week:			Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
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Objective 3: Preserve existing open space to provide water quality benefits.	Objective 3: I	Preserve existing open space to provide water quality benefits.													

		Display Week:				ear 1		ear 2	Year 3		Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
ACTION	DESCRIPTION	PROGRESS	START	END	1	uarter 2 3	4 1 2	arter	Quarter 1 2 3	4 1	Quarter 2 3 4	Quarter 1 2 3	Quarter 4 1 2 3 4	Quarter 1 2 3 4			
3-1	Work with Guilford County, City of High Point and other partners to prioritize and acquire land for conservation via easements or in fee-simple.					П											
3-2	Use Code & Ordinance Worksheet to identify other opportunities to improve open space protections in City/County ordinances																
3-3	Identify potential incentivies to encourage open space preservation and/or acquistion of easements.																
3-4	Implement floodplain protection and trail opportunities to meet conservation goals																
3-5	Obtain funding to support creation of Southwest Heritage Greenway.																
Objective 4	4: Identification of sources of bacterial contamination.																
4-1	Work with Guilford County Health Department to identify areas of failing septic systems.	:															
4-2	Obtain funding to offset costs of installing alternative on-site wastewater systems and/or investigate options available to homeowners.																
4-3	Increase education and outreach to homeowners about responsibility for onsite wastewater system maintenance and functionality.																
4-4	Assist City in endeavors to further address public sanitary issues.																
4-5	Install additional pet waste stations in neighborhoods and/or parks																
Objective 5: C	Continue and expand water quality monitoring.																
5-1	Encourage sharing of Upper Cape Fear River Basin Association coalition data with appropriate High Point staff and departments.																
5-2	Incorporate more consistent sharing of sampling data and results amongst partners for sake detection of issue concerning WQ.																
5-3	Research technologies appropriate to better identify source of fecal coliform impairments.																
5-4	Offer NCDWR- WIPS and SCITS trainings for application of app in field																
Objective 6: C	Continue and expand public outreach and education.																
6-1	Support Southwest High Point Renewal Foundation's Green Infrastructure plan																
6-2	Promote NC StreamWatch & High Point's Adopt-a-Stream volunteer opportunities.																
6-3	Install educational signage at SCM project sites and stream crossings																
6-4	Continue partnership with Guilford County Stormwater and PTRC Stormwater SMART programs to broaden direct marketing campaigns.																
6-5	Tailor messaging and explore other forms of media to reach diverse audiences																
6-6	Work with Keep High Point Beautiful (KHPB) and other partners to reduce litter pet waste, and pesticide/fertilizer use in watershed	,															
6-7	Increase stewardship of creeks through passive recreation opportunities																
6-8	Schedule good housekeeping training/workshops																
6-9	Promote online StoryMap and watershed applications																
6-10	Provide specific training opportunities to the City of High Point Parks & Rec staff	f															

		Display Week:			Year 1 Quarter	Year 2 Quarter	Year 3	Year 4 Quarter	Year 5 Quarter	Year 6 Quarter	Year 7	Year 8	Year 9 Quarter	Year 10 Quarter
ACTION	DESCRIPTION	PROGRESS	START	END	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
6-11	Work with City of High Point Stormwater Management Staff to gain knowledge in applying low-impact and/or green infrastructure options													
Insert new rows ABOVE this one														