Planners Checklist for Integrated Water Resources Planning DRAFT 1/31/16

	Source			Π							Acquisition D	ition Details	
Item	2			Availability	Date of Data	nte of Data Static/Changing?	Update Cycle	Reliability/Accuracy?	Acquired?	·		Needs	
	Original	Locally Enhanced		_			'		_	Free	Cost	Enhancement?	
BASE MAPPING													
Topography	PAMAP lidar		www.pasda.psu.edu	download by ti	2006-2008	static	none	horizontal ground spacir	ng distance 1	free		no	
Topography	PAMAP contours			<u> </u>					Ĭ				
Hydrography	Chapter 93		www.pasda.psu.edu	annual update	created 1996	limited change	only by request	40-50 feet tolerance hor	izontal; no v	free			
Hydrography	wild trout			annual update				sed Waters Program of PA			sion		
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Watershed Boundaries	ERRI smallsheds		http://www.pasda.ps	u.edu/uci/Data	1997	static	none						
			http://www.pasda.ps			static	none	gross boundaries not lin	ked to lidar t	opography			
HUC 10			1	Ι ΄ ΄				0		<u> </u>			
HUC 12			https://gdg.sc.egov.u	sda.gov/GDGOr	der.aspx								
Wetlands (NWI)			1 770 0 0	<u> </u>	l '								
Floodplains													
FEMA	FEMA Map Service	never	https://msc.fema.gov	/portal	varies		varies	depends on your County	and State				
PADEP 50 ft. boundary - create your own!			, ,,	i i				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Steep Slopes		generally locally de	erived										
Preserved lands		0	1										
Transportation Network	PennDOT state road	ds	http://www.pasda.ps	u.edu/uci/Data	2016		annual	compatible with lidar an	d imagery				
Other:			1.17					P					
Source Water Drainage Areas													
Special Protection Waters & Wetlands													
Coastal Zone Aquifers													
Riparian Buffer Zones													
Unique Geologic Features													
Water-based Navigation Features													
Dam breach inundation/evacuation zones													
Hydrocarbon transport pipeline corridors													
Existing													
Proposed													
Contaminated sites (RCRA, CERCLA)													
Areas with prime agricultural soils													
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COMPREHENSIVE PLANNING													
All features listed under "Base mapping"													
Public Water Supply Features (See Below)													
Public Wastewater Features (See Below)													
Highly Erodible Soils	NRCS Web Soil Surv	ey	http://websoilsurvey.	.nrcs.usda.gov/a	app/#								
PA DEP Impaired Streams													
Local TMDL Requirements													
Chesapeake Bay TMDL Requirements													
MS4 Municipalities													
Special River Classifications													
PA Scenic Rivers													
National Wild & Scenic Rivers													
National Historic Rivers													
National Recreation Trail Rivers													
State-Classified Fisheries (e.g. cold-water fisheries)													
Water Recreation Features	+	 	 		 				 	 		+	

Water Trails									
Public Access Locations									
Beaches									
Environmental Covenant Areas									
Dams									
High Hazard Dams									
Abandoned "low-head' dams									
Components for G.I. and groundwater recharge									
Scenic Byways									
SUBDIVISION AND LAND DEVELOPMENT ORDINANCES									
Act 167 requirements									
MS4 Regulations									
Does the project comply with the Chesapeake Bay requirements?									
Water related ordinance requirements									
Plan review coordination/permitting/approvals				 					
E&S				 					
NPDES				1			 		
Stormwater management				1			 		
Wastewater discharge									
Stream encroachment									
Wetlands encroachment									
Private on-lot septic systems const, maintenance & clean-out									
Private water wells construction & potable water standards									
Stormwater regulations (including MS4 if applicable)				 					
				 					
Post-construction stormwater management plan				 					
ZONING DISTRICTS & REQUIREMENTS									
Zoning district boundaries/overlay zones									
Airport glide slope zones									
Air quality special protection zones									-
Viewsheds									
Historic Districts									
Registered National Historic Sites									
National Natural Landmark									
Historic Resources									
DUDUIC WATER CURRING BLANKING MARRING O CARACITY ACCECCAMENTS (www.in.z.ab.a.d.									
PUBLIC WATER SUPPLY PLANNING, MAPPING & CAPACITY ASSESSMENTS (mapping should	not be used for publi	T	ution) I						
Public water supply intakes									
Drainage areas to intakes				ļ			<u> </u>		
River basin comm withdrawal allocation, avg withdrawal				 			-		
Public water supply "community" wells				<u> </u>			<u> </u>		
Wellhead and source water protection areas				ļ			<u> </u>		
River basin comm withdrawal allocation, avg production rate				ļ					
Groundwater protection areas				ļ					
Net groundwater withdrawal limit									
Current net withdrawal volume									
Source water protection areas (See Base mapping)							ļ		
Areas relying on on-lot/private water well supplies									
Water table (depth to groundwater)									<u> </u>
Public Water Supply Service Areas									<u> </u>
Current service areas		1	1	1		l	I	1	

Areas designated/desired for future expansion												
Public Water Supply Franchise Areas (PUC Regulated)												
Reservoirs and their drainage areas												
Current estimated water demand												
Public water supplies	-											
Private water well supplies	+											
Projected population growth and projected water demand	+											
Public water supplies												
Private water well supplies												
Projected demand compared to available sources												
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PUBLIC WASTEWATER MAPPING												
Public wastewater plants and discharge locations												
Permitted treatment plant capacity/Current avg discharge vol.												
Package wastewater treatment plant locations												
Areas relying on on-lot/private wastewater systems									<u> </u>			
Areas unsuitable for on-lot systems/areas with failures									<u> </u>			
Public wastewater service areas												
Current service areas									<u> </u>			
Areas designated/desired for future expansion	+											
Current wastewater treatment demand	+											
Projected wastewater treatment demand	+											
Unmet wastewater demand or concerns												
			<u> </u>	<u> </u>			<u> </u>		<u>ļ</u>	ļ	<u> </u>	<u> </u>
STORMWATER MANAGEMENT PLANNING												
MS4 municipalities												
2010 Urbanized Areas												
Watershed boundaries (HUC 12 or more detailed)												
PA DEP impaired streams and stream impairments												
Areas affected by TMDL pollutant reduction requirements												
Areas affected by Pollution Removal Plan (PRP) requirements												
Chesapeake Bay TMDL requirements												
Areas served by publicly owned storm-sewer system	+											
Drainage easements	-											
MS4 regulated sewer-shed areas												
BMP installations for TMDLs and PRP												
Planned BMPs											1	
Completed BMPs	1											
Opportunities for Green Infrastructure (G.I.)	1										1	
Inspection, operation, and maintenance agreements	1											
Easements to protect/provide access to G.I. features									<u> </u>			
Inspection protocols and inspection responsibilities											1	
Retrofitting of parking lots and impervious areas									<u> </u>			
Greenway and trail projects	1											
12 22 (a) and namprojecto		ı	ı	1	1	1	1	I	1	<u> </u>	1	
FLOODPLAIN MANAGEMENT												
FEMA floodplain boundaries												
FEMA floodway boundaries	 								<u> </u>			
Flood control structures (dams, levees, etc.)												
Areas of repeat flood damages	 								<u> </u>			
Designated flood emergency evacuation routes									<u> </u>			
Known or potential flood buyout areas												
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HAZARD MITIGATION FACILITIES/DESIGNATIONS							
Evacuation routes (including host areas and facilities)							
Bridge constraints							
Roadway constraints							
PIPELINES/COMPRESSOR STATIONS/ODORANT INJECTOR STATIONS							
Pipeline corridors							
Existing							
Proposed							
Material being conveyed and MSDS Code							
Pressure levels							
Right-of-Way width and alignment							
Applicable safety precautions for specific corridors							
LAND AND WATERSHED PROTECTION PROGRAMS							
Local & regional watershed restoration & water quality plans							
Local & regional watershed restoration & water quality programs							
Co Conservation District Water Quality Projects & Programs							
Agricultural water quality improvement							
Urban water quality improvement							
Municipal Water Quality Projects & Programs							
Preserved Lands							
Esmt and/or covenant requirements & land use restrictions							
Agricultural Easements and Programs							
Conservation Plans							
Watershed and water quality restoration projects & programs							
Designated Conservation Landcsape							
Designated Wild Area or Natural Area							
Designated Conservation Landscape			 	 			
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Conservation Landscape Initiative (CLI)