

Guidance on Integrating Environmental Issues in the Transportation Planning Process

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Introduction



- Review on Best Practices
- Environmental Inventories
- Possible Project Impacts
- Overall Guidance
- Mitigation Strategies





Regulations



Information on Environmental Resources









Integrated documents in RTP

RTP/SCS by SCAG;

Report on Environmental Consultation by OKI;

Connections 2040 Plan for Greater Philadelphia by DVRPC.





THE **2016-2040** REGIONAL TRANSPORTATION PLAN/ SUSTAINABLE COMMUNITIES STRATEGY A Plan for Mobility, Accessibility, Sustainability and a High Quality of Life

DECEMBER 2015





Independent Process Guidelines

Integrating Environmental Issues in the Transportation Planning Process by SEMCOG Integrating Environmental Issues in the Transportation Planning Process:
Guidelines for Road and Transit Agencies

January 2007

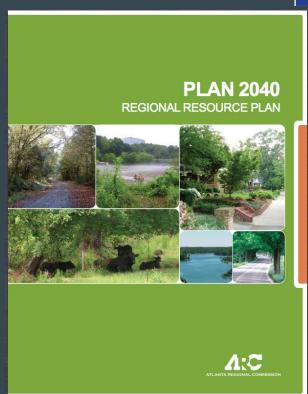
SEVICOG...Local Governments Advancing Southeast Michigan Southeast Michigan Council of Governments





Environmental Resource Plan

Regional Resource Plan by ARC







Project Environmental Impact Report

Project Environmental Impact Report by SCAG



Program Environmental Impact Report

DECEMBER 2015 STATE CLEARINGHOUSE # 2015031035



FOR THE 2016-2040 RTP/SCS

Southern California Association of Governments





Tools

Planning Insight Network by DRCOG;

Eco-Logical by H-GAC

Partnering Agreements

Overall Guidance



- Define and inventory environmentally sensitive resources
- Assess environmental impacts
- Identify and analyze alternatives
- Consider appropriate impact mitigation
- Promote interagency participation
- Promote public involvement
- Strengthen Internal Coordination





Recreation and Preservation of Culture					
National Park Service	National Park Boundaries				
NYS Office of Parks, Recreation & Historic Preservation	Cultural and Historic sites				
	State Parks				
	Parks				

Hydrography and Protected Waters						
NYS Department of Environment Conservation	Wildlife/Bird Protection/Refuge Area					
	Freshwater Wetlands					
	Tidal Wetlands					
	Water Quality Classification					
NYS Office of Cyber Security	Significant Coastal Fish and Wildlife Habitats					
	Area Hydrography					
	Linear Hydrography					

Flood Zones		
Federal Emergency Management Agency	Advisory Base Flood Elevation Rockland	
	National Flood Hazard Layer NYMTC	
	PFIRM NYC	
	Westchester PFIRM	

Possible Project Impacts



	TRANSPORTATION COUNCIL								
Project Type	Number of Projects Possibly Impacting Resource								
	Cultural or Historic sites	Parks and Recreational Areas	Non- Recreational Facilities	Primary Aquifers	Waterbodies	Freshwater Wetlands	Coastal Habitats	Flood Zones	
bus	15	16	4	2	17	7	6	19	
Ped	23	11	1	8	18	12	4	19	
highway	138	129	33	2	224	114	46	149	
transit	99	43	5	4	50	1	19	67	
bike	10	7			6	2	2	6	
ferry	6	1			8	2	2	8	
ITS	3	3			3	5		2	
Parking	1	2	1			2			
study	1	1			2			2	
rail	1		1		1			1	
total	297	213	45	16	329	145	79	273	

Freshwater Wetlands

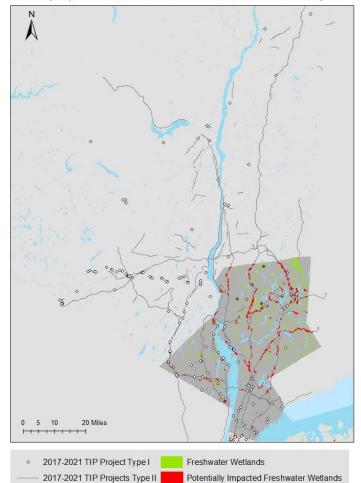
Value:

Water Quality and Quantity Preservation; Flood and Storm Water Control; Surface and Groundwater Protection; Erosion Control; Pollution Treatment and Nutrient Cycling; Fish and Wildlife Habitat.

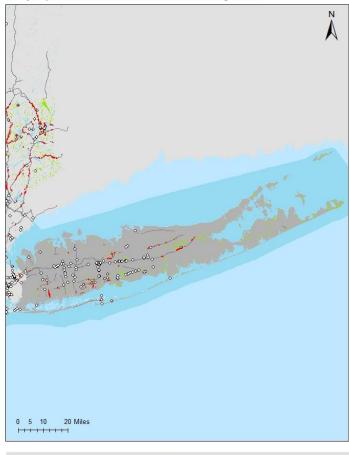
Vulnerability:

Unregulated activities, Erosion, Stormwater runoff, Pollution, etc.

Potentally Impacted Freshwater Wetlands in the Lower Hudson Valley

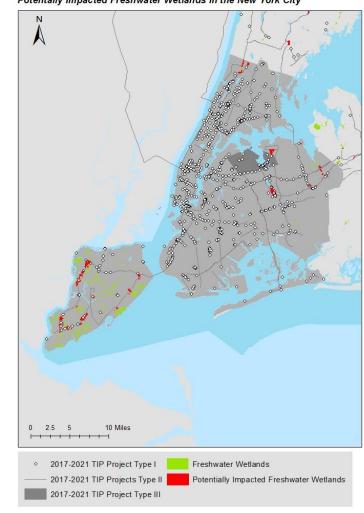


Potentally Impacted Freshwater Wetlands in the Long Island





Potentally Impacted Freshwater Wetlands in the New York City



Freshwater Wetlands Mitigation Strategies

Follow procedures



Confine development



Address management issues



Explicit usage of equipment



Parks and Recreational Areas

Value:

Recreation and leisure; green spaces; Wildlife habitats protection; Preserve areas of historical and cultural values.

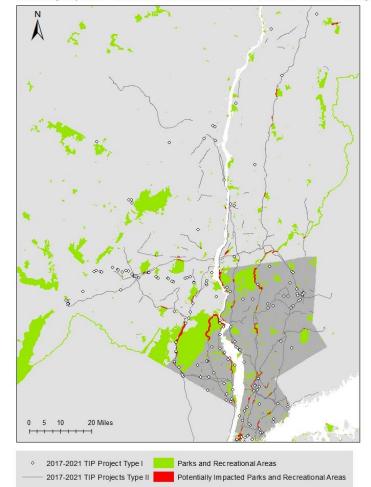
Vulnerability:

Land is acquired or occupied for other purposes; Site features or subsurface resources are damaged;

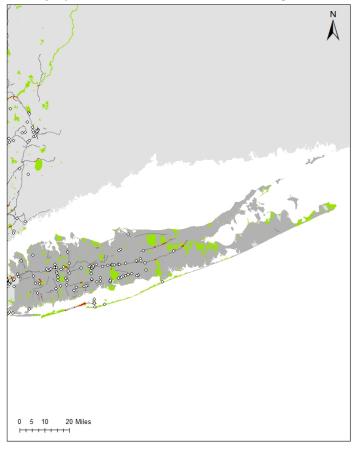
Adjacent development is incompatible with the parks and significant viewshed;

Erosion, stormwater run-off flows, and over-use of resource

Potentally Impacted Parks and Recreational Areas in the Lower Hudson Valley

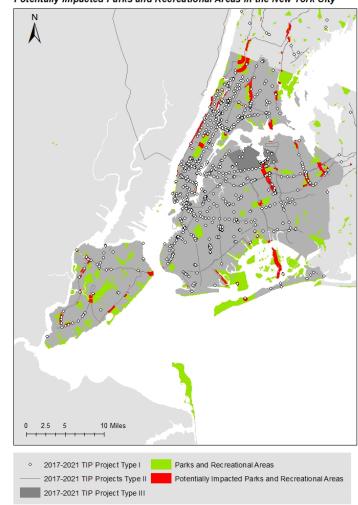


Potentally Impacted Parks and Recreational Areas in the Long Island





Potentally Impacted Parks and Recreational Areas in the New York City



Parks and Recreational Areas Mitigation Strategies

Follow procedures



Confine development



Compensate for the loss



Explicit usage of equipment



Thanks for Listening.