

## Environmental Scoping List

Brenda Barrett  
Bureau for Historic Preservation  
P0 Box 1026  
Harrisburg, PA 17108-1026

Steven Beckman  
PA Dept. of Environmental Protection  
230 Chestnut St.  
Meadville, PA 16335

Don Benczkowski  
Coastal Zone Management  
230 Chestnut Street  
Meadville, PA 16335

Patrick Boyle  
Waste Management, Region 6  
230 Chestnut Street  
Meadville, PA 16335

Jim Byers  
FAA  
3911 Hartzdale Drive - Suite 1100  
Camp Hill, PA 17011

George Gregg  
Pennsylvania Dept. of Agriculture  
13410 Dunham Road  
Meadville, PA 16335

Ronald E. Lambertson  
US Dept. of Fish and Wildlife Services  
300 Westgate Center Drive  
Hadley, MA 01035-9589

David Milhous  
Water Quality Management  
230 Chestnut Street  
Meadville, PA 16335

Michael McCarthy  
US Dept. of Fish and Wildlife  
315 South Allen St.  
State College, PA 16801-4850

Rick Morris  
Millcreek Township  
3608 West 26th  
Erie, PA 16505

Andrew Shields, Leader  
Pennsylvania Fish and Boat Commission  
Non-Game and Endangered Species Unit  
450 Robinson Lane  
Bellfonte, PA 16823

Janet L. Oertly  
PA Natural Resources Conservation Serv.  
One Credit Union Place  
Suite 340  
Harrisburg, VA 17110-2993

John C. Oliver  
Dept. of Conservation & Natural Resource  
7th Floor, Rachel Carson State Off. Bldg.  
P0 Box 8767  
Harrisburg, PA 171 OS

Albert H. Rogalla  
Department of the Army  
Pittsburgh District, Corps of Engineers  
William S. Moorhead Federal Building I  
Pittsburgh, PA 15222

David Skellie  
Erie County Dept. of Planning  
Erie County Courthouse, Room I 19  
Erie, PA 16501

Jeff Spaulding  
City of Erie  
626 State Street  
Room 404  
Erie, PA 16501

Daniel E. Steiner, Chief  
US Army Corps. of Engineers  
Great Lakes & Ohio River Exec. Offices  
River Center 12th Floor  
I II North Canal  
Chicago, IL 60606-7205

Forrest Underwood  
Water Supply Management, Region 6  
230 Chestnut Street  
Meadville, PA 16335

Thomas C. Votaggio  
Environmental Protection Agency  
1650 Arch Street  
Philadelphia, PA 19103-2029

Larry Wonders  
Air Quality, Region 6, PADEP  
230 Chestnut Street  
Meadville, PA 16335

Tony Ross, Wildlife Impact Review Coordinator  
Pennsylvania Game Commission  
2001 Elmerton Avenue  
Harrisburg, PA 17110-9797

July 17, 2000

Jim Byers  
FAA  
3911 Hartzdale Drive - Suite 1100  
Camp Hill, PA 17011

Re: Erie International Airport  
Master Plan

File: 858.002.001.120

Dear Mr. Byers:

On behalf of Erie Municipal Airport Authority, C&S Engineers, Inc., is currently preparing a Master Plan for Erie International Airport in Erie Pennsylvania. This letter is a request for your office's assistance in identifying any possible areas of environmental significance at the airport.

Attached please find a vicinity map of the airport. A significant task in the Airport Layout Plan Update will be to evaluate the airport property in terms of existing environmental significance and possible future impacts. Obviously, before any major development would occur, specific Federal and/or State-level environmental reviews would be accomplished. What we are interested in from your office is any information regarding the following Environmental Impact Categories, taken from the Federal Aviation Administration Order 5050.4a *Airport Environmental Handbook*, as they may relate to the airport.

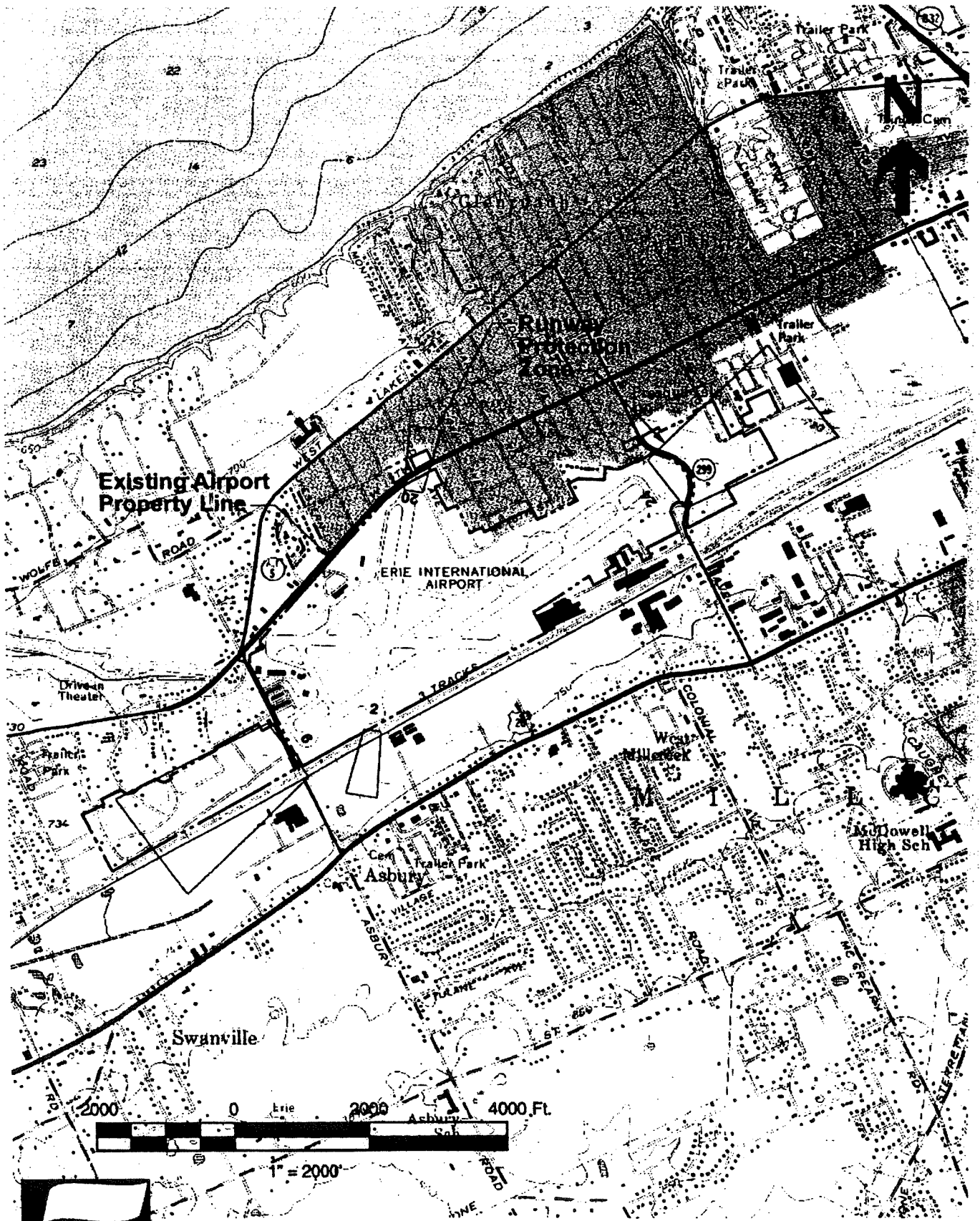
The categories are:

Noise	Endangered and Threatened Species
Wetlands	of Flora and Fauna
Flood Plains	Compatible Land Use
Coastal Zone Management	Social Impacts
Coastal Barriers	Induced Socio-economic Impacts
Prime and Unique Farmland	Air Quality
Energy Supply and Natural Resources	Water Quality
Light Emissions	Department of Transportation Act
Solid Waste Impacts	Section 4(f) Lands
Construction Impacts	Historic-Architectural-Archeological
Wild and Scenic Rivers	and Cultural Resources
	Biotic Communities

If you have any questions or concerns on this site, please provide it to us or call before July 1, 2000. Thank you again for your assistance.

Very truly yours,  
C&S ENGINEERS, INC.

Joshua P. Emhoff  
Assistant Planner  
enc.



Erie International Airport  
 Access Map  
 Figure 8





Pennsylvania Department of Conservation and Natural Resources

Rachel Carson State Office Building  
P.O. Box 8552  
Harrisburg, PA 17105-8552  
June 21, 2000

Bureau of Forestry

717-787-3444

Mr. Joshua P. Emhoff  
C & S Engineers, Inc.  
Syracuse Hancock International Airport  
Syracuse, NY 13212

Re: Pennsylvania Natural Diversity Inventory Review of Proposed Erie International Airport  
Master Plan, PA P.E.R NO.: 9560

Dear Mr. Emhoff:

In response to your data request of June 6, 2000 to review the above mentioned project, we have reviewed the area using the Pennsylvania Natural Diversity Inventory (PNDI) information system. PNDI records indicate no occurrences of species of special concern within the project area, therefore we do not anticipate any impact on endangered, threatened, or rare species at this location.

PNDI is a site specific information system that describes significant natural resources of Pennsylvania. This system includes data descriptive of plant and animal species of special concern, exemplary natural communities and unique geological features. PNDI is a cooperative project of the Department of Conservation and Natural Resources, The Nature Conservancy and the Western Pennsylvania Conservancy. This response represents the most up-to-date summary of the PNDI data files and is good for one year. An absence of recorded information does not necessarily imply actual conditions on-site. A field survey of any site may reveal previously unreported populations.

Feel free to phone our office if you have questions concerning this response or the PNDI system, and please refer to the P.E.R. Reference Number at the top of the letter in future correspondence concerning this project.

Sincerely,

Michael B. Lester  
Assistant State Forester  
Bureau of Forestry



# United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Pennsylvania Field Office  
315 South Allen Street, Suite 322  
State College, Pennsylvania 16801-4850

June 14, 2000

Mr. Joshua P. Emhoff  
Assistant Planner  
C&S Engineers, Inc.  
Syracuse Hancock International Airport  
Syracuse, NY 13212

Dear Mr. Emhoff:

This responds to your letter of April 25, 2000, requesting information about natural resource areas of special concern, and federally listed and proposed species in the vicinity of the Erie International Airport (File 858.002.001.120) located in Erie County, Pennsylvania. The following comments are provided pursuant to the Fish and Wildlife Coordination Act (48 Stat. 401, 16 U.S.C. 661 *et seq.*) and the Endangered Species Act of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*).

Except for occasional transient species, no federally listed or proposed threatened or endangered species under our jurisdiction are known to occur within the project impact area. Therefore, no biological assessment or further Section 7 consultation under the Endangered Species Act will be required with the Fish and Wildlife Service. Should project plans change, or if additional information on listed or proposed species becomes available, this determination may be reconsidered. A compilation of certain federal status species in Pennsylvania is enclosed for your information.

Based on our office review of project information provided and map reconnaissance (i.e., County Soils maps and/or National Wetland Inventory maps), wetlands may occur within the boundaries of the proposed project. Work in wetlands requires permits from the Pennsylvania Department of Environmental Protection (DEP) and/or the Army Corps of Engineers (Corps). We suggest you contact the DEP and the Corps at the addresses listed below for information on permit requirements.

Pennsylvania Department of  
Environmental Protection  
Division of Rivers and  
Wetlands Conservation  
P.O. Box 8554  
Harrisburg, PA 17105-8554

District Engineer, Pittsburgh  
U.S. Army Corps of Engineers  
Federal Building  
1000 Liberty Avenue  
Pittsburgh, PA 15222

By copy of this letter, we are informing these agencies of the proposed project.

This response relates only to endangered and threatened species under our jurisdiction and a preliminary review for wetlands, based on an office review of the proposed project's location. No field inspection of the project area has been conducted by this office. Therefore, we suggest contacting a qualified consultant to evaluate your site for potential wetland impacts.

For information regarding State resources of special concern, including State-listed endangered and threatened species, please contact the Pennsylvania Game Commission (birds and mammals; State Game Lands), the Pennsylvania Fish and Boat Commission (fish, reptiles, amphibians and aquatic invertebrates; trout streams), the Pennsylvania Department of Conservation and Natural Resources (PNDI; plants and plant sanctuaries; State Forests; State Parks; Natural Areas; State Wild and Scenic Rivers) and the Department of Environmental Protection (Special Protection Watersheds; Wetlands).

If we can be of further assistance, please contact Michael McCarthy of my staff at 814-234-4090.

Sincerely,



David Densmore  
Supervisor

Enclosure

**FEDERALLY LISTED, PROPOSED AND CANDIDATE SPECIES (in Pennsylvania)**

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>STATUS*</u>	<u>DISTRIBUTION</u>
<b><u>FISHES</u></b>			
Shortnose sturgeon**	<i>Acipenser brevirostrum</i>	E	Delaware River & other Atlantic coastal waters
<b><u>REPTILES &amp; AMPHIBIANS</u></b>			
Bog turtle	<i>Clemmys muhlenbergii</i>	T	Current - Adams, Berks, Bucks, Chester, Cumberland, Delaware, Franklin, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton and York Counties. Historic - Crawford, Mercer and Philadelphia Counties
Eastern massasauga rattlesnake	<i>Sistrurus catenatus catenatus</i>	C	Current - Butler, Crawford, Mercer and Venango Counties. Historic - Allegheny and Lawrence Counties.
<b><u>BIRDS</u></b>			
Bald eagle	<i>Haliaeetus leucocephalus</i>	T	Suitable habitats across the state. Recent nesting in Butler, Centre, Chester, Crawford, Dauphin, Erie, Forest, Huntingdon, Lancaster, Mercer, Northumberland, Pike, Tioga, Venango, Warren and York Co. Wintering concentrations occur near ice-free sections of rivers, lakes and reservoirs, including the Delaware River.
Piping plover	<i>Charadrius melodus</i>	E	Presque Isle (Erie County). Migratory. No nesting in Pennsylvania since mid-1950s.
<b><u>MAMMALS</u></b>			
Indiana bat	<i>Myotis sodalis</i>	E	Winter hibernacula: Armstrong, Blair, Lawrence, Luzerne, Mifflin and Somerset Co.
<b><u>MOLLUSKS</u></b>			
Clubshell mussel	<i>Pleurobema clava</i>	E	French Creek and Allegheny River watersheds; Clarion, Crawford, Erie, Forest, Mercer, Venango and Warren Counties
Northern riffleshell	<i>Epioblasma torulosa rangiana</i>	E	French Creek and Allegheny River watersheds; Clarion, Crawford, Erie, Forest, Mercer, Venango and Warren Counties
<b><u>PLANTS</u></b>			
Northeastern bulrush	<i>Scirpus ancistrochaetus</i>	E	Current - Adams, Bedford, Blair, Carbon, Centre, Clinton, Cumberland, Dauphin, Franklin, Huntingdon, Lackawanna, Lehigh, Lycoming, Mifflin, Monroe, Perry, Snyder and Union Counties. Historic - Northampton County
Small-whorled pogonia	<i>Isotria medeoloides</i>	T	Current - Centre and Venango Counties. Historic - Berks, Chester, Greene, Monroe, Montgomery and Philadelphia Counties

\* E = Endangered, T = Threatened, PE = Proposed Endangered, PT = Proposed Threatened, C = Candidate

Revised 3/20/00

\*\* Shortnose sturgeon is under the jurisdiction of the National Marine Fisheries Service

## FEDERALLY LISTED, PROPOSED AND CANDIDATE SPECIES (in Pennsylvania)

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>STATUS*</u>	<u>DISTRIBUTION</u>
<b><u>FISHES</u></b>			
Shortnose sturgeon**	<i>Acipenser brevirostrum</i>	E	Delaware River & other Atlantic coastal waters
<b><u>REPTILES &amp; AMPHIBIANS</u></b>			
Bog turtle	<i>Clemmys muhlenbergii</i>	T	Current - Adams, Berks, Bucks, Chester, Cumberland, Delaware, Franklin, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton and York Counties. Historic - Crawford, Mercer and Philadelphia Counties
Eastern massasauga rattlesnake	<i>Sistrurus catenatus catenatus</i>	C	Current - Butler, Crawford, Mercer and Venango Counties. Historic - Allegheny and Lawrence Counties.
<b><u>BIRDS</u></b>			
Bald eagle	<i>Haliaeetus leucocephalus</i>	T	Suitable habitats across the state. Recent nesting in Butler, Centre, Chester, Crawford, Dauphin, Erie, Forest, Huntingdon, Lancaster, Mercer, Northumberland, Pike, Tioga, Venango, Warren and York Co. Wintering concentrations occur near ice-free sections of rivers, lakes and reservoirs, including the Delaware River.
Piping plover	<i>Charadrius melodus</i>	E	Presque Isle (Erie County). Migratory. No nesting in Pennsylvania since mid-1950s.
<b><u>MAMMALS</u></b>			
Indiana bat	<i>Myotis sodalis</i>	E	Winter hibernacula: Armstrong, Blair, Lawrence, Luzerne, Mifflin and Somerset Co.
<b><u>MOLLUSKS</u></b>			
Clubshell mussel	<i>Pleurobema clava</i>	E	French Creek and Allegheny River watersheds; Clarion, Crawford, Erie, Forest, Mercer, Venango and Warren Counties
Northern riffleshell	<i>Epioblasma torulosa rangiana</i>	E	French Creek and Allegheny River watersheds; Clarion, Crawford, Erie, Forest, Mercer, Venango and Warren Counties
<b><u>PLANTS</u></b>			
Northeastern bulrush	<i>Scirpus ancistrochaetus</i>	E	Current - Adams, Bedford, Blair, Carbon, Centre, Clinton, Cumberland, Dauphin, Franklin, Huntingdon, Lackawanna, Lehigh, Lycoming, Mifflin, Monroe, Perry, Snyder and Union Counties. Historic - Northampton County
Small-whorled pogonia	<i>Isotria medeoloides</i>	T	Current - Centre and Venango Counties. Historic - Berks, Chester, Greene, Monroe, Montgomery and Philadelphia Counties

\* E = Endangered, T = Threatened, PE = Proposed Endangered, PT = Proposed Threatened, C = Candidate

Revised 3/20/00

\*\* Shortnose sturgeon is under the jurisdiction of the National Marine Fisheries Service



Pennsylvania Department of Environmental Protection

Rachel Carson State Office Building

P.O. Box 2063

Harrisburg, PA 17105-2063

June 13, 2000

Office for River Basin Cooperation

717-787-5259

Joshua P. Emhoff, Assistant Planner  
C & S Engineers, Inc.  
Syracuse Hancock International Airport  
Syracuse, NY 13212

DEP File:CZ7:FA

Dear Mr. Emhoff:

This letter responds to your June 9, 2000 request to Don Benczkowski for information identifying any possible areas of environmental significance in the development of the Master Plan for the Erie International Airport in Erie, Pennsylvania. Since you have also requested this information from this Department's Northwest Regional Office, I will address only coastal issues.

First, Pennsylvania contains no Coastal Barrier Areas.

Secondly, the Erie International Airport (EIA) is located outside of Pennsylvania's Lake Erie Coastal Zone (see enclosed map). However, the Pennsylvania Coastal Zone Management (CZM) Program does review activities proposed at EIA for consistency with this Program's policies, due to possible deleterious impacts to the coastal zone. Our federal consistency review will be conducted under the Federal Coastal Zone Management Act of 1972, as amended, and specifically under 15 CFR Part 930 Subpart F – Consistency for Federal Assistance to State and Local Governments.

In the to be developed Environmental Inventory of Existing Environmental Issues (Working Paper No 3), please discuss future EIA development impacts upon wetlands that are hydrologically connected to the coastal zone, and also the erosion impacts that increased stormwater flows may have upon the Lake Erie Bluff Recession Hazard Area in Millcreek Township.

When completed, please send me a copy of Working Paper No. 3 to initiate our federal consistency review. We will respond in writing to both you and the Federal Aviation Agency regarding our consistency determination.

If you have any questions concerning CZM's federal consistency review process, please contact me at 717-772-5622. Further discussions concerning stormwater and its impact upon bluff erosion should be directed to Don Benczkowski at 814-332-6360.



June 16, 2000

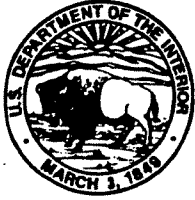
In conclusion, I've also enclosed a copy of the CZM Program's Technical Guidance document, which discusses all CZM Program's policies.

Sincerely,



Lawrence J. Toth  
Environmental Planner  
Coastal Zone Management Program

Enclosures



## United States Department of the Interior

FISH AND WILDLIFE SERVICE  
Pennsylvania Field Office  
315 South Allen Street, Suite 322  
State College, Pennsylvania 16801-4850



May 15, 2000

Joshua P Emhoff  
C&S Engineers, Inc.  
Syracuse Hancock International Airport  
Syracuse, NY 13212

Dear Mr. Emhoff:

This responds to your letter of April 25, 2000, requesting information about sensitive resource areas in the vicinity of Erie International Airport located in the City of Erie, Erie County, Pennsylvania.

There are no National Wildlife Refuges, National Fish Hatcheries or National Environmental Centers operated by the Fish and Wildlife Service within the vicinity of the proposed site.

In addition, except for occasional transient species, no federally listed or proposed threatened or endangered species under our jurisdiction are known to occur within the project impact area. Therefore, no biological assessment or further Section 7 consultation under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) will be required with the Service. Should project plans change, or if additional information on listed or proposed species becomes available, this determination may be reconsidered. A compilation of certain federal status species in Pennsylvania is enclosed for your information.

For information regarding State resources of special concern, including State-listed endangered and threatened species, please contact the Pennsylvania Game Commission (birds and mammals; State Game Lands), the Pennsylvania Fish and Boat Commission (fish, reptiles, amphibians and aquatic invertebrates; trout streams), the Pennsylvania Department of Conservation and Natural Resources (PNDC; plants and plant sanctuaries; State Forests; State Parks; Natural Areas; State Wild and Scenic Rivers) and the Department of Environmental Protection (Special Protection Watersheds; Wetlands).

This response is based on an office review of the proposed project's location. No field inspection of the project area has been conducted by this office. Consequently, this letter is not to be construed as addressing potential Service concerns under the Fish and Wildlife Coordination Act or other authorities.

If we can be of further assistance, please contact Christie Johnson-Hughes of this office at 814-234-4090.

Sincerely,

*Cindy L. Subott*

*for* David Densmore  
Supervisor

Enclosure



PAENSYLVANIA HISTORICAL AND MUSEUM COMMISSION  
Bureau for Historic Preservation  
Post Office Box 1026  
Harrisburg, Pennsylvania 17108-1026

May 9, 2000

Joshua P. Emhoff  
C&S Companies, Inc.  
Syracuse Hancock International Airport  
Syracuse, NY 13212

**TO EXPEDITE REVIEW USE  
BHP REFERENCE NUMBER**

**RE: ER 84-0845-049-BB  
Erie International Airport Master Plan  
Erie County, Pennsylvania**

Dear Mr. Emhoff:

The Bureau for Historic Preservation (the State Historic Preservation Office) will review the above listed project in accordance with Section 106 of the National Historic Preservation Act of 1966, as amended in 1980 and 1992, and the regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation as revised in 1999. These requirements include consideration of the project's potential effect on both historic and archaeological resources.

We have reviewed your proposed categories for the development of Erie International Airport Master Plan. We recommend changing the title for historic resources to read either Historic Resources, or Cultural Resources. This includes both historic and archaeological resources. In addition, your map appears to show only the boundaries of the current airport. You will also need to develop an Area of Potential Effect for the airport which includes any additional land for future airport growth. We recommend that you consult with the revised regulations of the Advisory Council on Historic Preservation and the Federal Aviation Administration for guidance on developing an Area of Potential Effect. Since this project is a planning study, therefore this office cannot assess the effects on specific historic and archaeological resources at this time. During the project planning stages, provisions should be made for the identification of historic and archaeological resources listed in or eligible for the National Register of Historic Places and for the assessment of the effects on these resources. The Bureau for Historic Preservation maintains records of National Register listed and eligible resources as well as archaeological surveys (P.A.S.S. files) and historic resource survey files. These surveys vary in their scope and methodology, therefore we recommend that you contact local historical societies and consult tax and deed records for additional information regarding your project area.

Page 2  
J. Emhoff  
May 9, 2000

If you need further information in this matter please consult Susan Zacher at (717) 783-9920.

Sincerely,

A handwritten signature in black ink, appearing to read "Kurt W. Carr". The signature is written in a cursive style with a large, prominent "K" and "C".

Kurt W. Carr, Chief  
Division of Archaeology  
and Protection

cc: James Byers, Federal Aviation Administration, 3911 Hartzdale Dr., Suite 1,  
Camp Hill, PA 17011  
Richard L. Harding, P.E., Bureau of Aviation, 555 Walnut St., 8<sup>th</sup> Floor,  
Harrisburg, PA 17101-1900  
KWC/smz

United States  
Department of  
Agriculture

Natural Resources  
Conservation  
Service

Suite 340  
One Credit Union Place  
Harrisburg, PA 17110-2993

---

May 2, 2000

Joshua P. Emhoff, Assistant Planner  
C & S Engineers, Inc.  
Syracuse Hancock International Airport  
Syracuse, NY 13212

Re: Erie International Airport Master Plan  
Fiel 858.002.001.120  
Erie County, PA

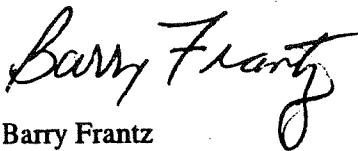
Dear Mr. Emhoff:

This is in response to your letter dated April 25, 2000, requesting information on a environmental resources in the vicinity of the Erie International Airport .

Attached are copies of soils maps for the area, a key to soil mapping units, and a list of mapping units that are classified as Important Farmland (Prime Farmland or Additional Farmland of Statewide Importance). Please note that while the soil maps show that some of the area would otherwise be considered Prime Farmland or Additional Farmland of Statewide Importance, because most have already been converted to non-agricultural use (such as the area underlying the airport itself) they are no longer considered to be Important Farmlands. A more definite determination can be provided if needed, upon submission of maps showing specific areas being evaluated.

There also some hydric soils in the area, and there also could be additional small inclusion of hydric soils that are too small to be identified on the soil map.

Please contact me at (717) 237-2216; [barry.frantz@pa.usda.gov](mailto:barry.frantz@pa.usda.gov) if you have questions.



Barry Frantz  
Soil Conservationist

encl: soil map, Important Farmland list,  
cc: Lew Steckler, NRCS, Waterford PA

PRIME FARMLAND

Survey Area- ERIE COUNTY, PENNSYLVANIA

Map Symbol	Prime Farmland Code	Soil Mapunit Name
BcA	1	BERRIEN FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES
BcB	1	BERRIEN FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES
BcB3	1	BERRIEN FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES SEVERELY ERODED
BcC	S	BERRIEN FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES
BcC3	S	BERRIEN FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
CcA	1	CHAGRIN FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES
CcA3	1	CHAGRIN FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES, SEVERELY ERODED
CdA	1	CHAGRIN SILT LOAM, 0 TO 3 PERCENT SLOPES
CeA	1	CHAGRIN SILT LOAM, HIGH BOTTOM, 0 TO 3 PERCENT SLOPES
CeB	1	CHAGRIN SILT LOAM, HIGH BOTTOM, 3 TO 6 PERCENT SLOPES
Cf	1	CHAGRIN VERY GRAVELLY LOAM, FAN, 0 TO 6 PERCENT SLOPES
CgB	1	CONOTTON COARSE SANDY LOAM, 0 TO 8 PERCENT SLOPES
CgB3	1	CONOTTON COARSE SANDY LOAM, 0 TO 8 PERCENT SLOPES, SEVERELY ERODED
CgC	S	CONOTTON COARSE SANDY LOAM, 8 TO 15 PERCENT SLOPES
ChA	1	CONOTTON GRAVELLY LOAM, 0 TO 3 PERCENT SLOPES
ChB	1	CONOTTON GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES
ChB3	1	CONOTTON GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED
ChC	S	CONOTTON GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES
CkB	1	CONOTTON GRAVELLY SANDY LOAM, 3 TO 8 PERCENT SLOPES
CkB3	1	CONOTTON GRAVELLY SANDY LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED
CkC	S	CONOTTON GRAVELLY SANDY LOAM, 8 TO 15 PERCENT SLOPES
CnA	1	CONOTTON GRAVELLY SANDY LOAM, MODERATELY WELL DRAINED VARIANT, 0 TO 3 PERCENT SLOPES
CnB	1	CONOTTON GRAVELLY SANDY LOAM, MODERATELY WELL DRAINED VARIANT, 3 TO 8 PERCENT SLOPES
CnB3	1	CONOTTON GRAVELLY SANDY LOAM, MODERATELY WELL DRAINED VARIANT, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED
DaA	S	DALTON SILT LOAM, 0 TO 2 PERCENT SLOPES
DaB	S	DALTON SILT LOAM, 2 TO 8 PERCENT SLOPES
DaB2	S	DALTON SILT LOAM, 2 TO 8 PERCENT SLOPES, MODERATELY ERODED
EbA	S	ERIE SILT LOAM, 0 TO 3 PERCENT SLOPES
EbB	S	ERIE SILT LOAM, 3 TO 8 PERCENT SLOPES
EbB2	S	ERIE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
EbC2	S	ERIE SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
FaA	S	FREDON LOAM, 0 TO 3 PERCENT SLOPES
FaB	S	FREDON LOAM, 3 TO 8 PERCENT SLOPES
HaA	S	HALSEY LOAM, 0 TO 3 PERCENT SLOPES
HbA	1	HOWARD GRAVELLY SILT LOAM, 0 TO 3 PERCENT SLOPES
HbB	1	HOWARD GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES
HbB3	1	HOWARD GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED

PRIME FARMLAND

Survey Area- ERIE COUNTY, PENNSYLVANIA

Prime Farmland		
Map Symbol	Code	Soil Mapunit Name
ERODED		
HbC	S	HOWARD GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES
LaB	1	LANGFORD SILT LOAM, 0 TO 8 PERCENT SLOPES
LaB2	1	LANGFORD SILT LOAM, 0 TO 8 PERCENT SLOPES, MODERATELY ERODED
LaB3	1	LANGFORD SILT LOAM, 0 TO 8 PERCENT SLOPES, SEVERELY ERODED
LaC	S	LANGFORD SILT LOAM, 8 TO 15 PERCENT SLOPES
LaC2	S	LANGFORD SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
LcA	1	LOBDELL SILT LOAM, 0 TO 3 PERCENT SLOPES
LcA3	1	LOBDELL SILT LOAM, 0 TO 3 PERCENT SLOPES, SEVERELY ERODED
LdA	1	LOBDELL SILT LOAM, HIGH BOTTOM, 0 TO 3 PERCENT SLOPES
LdB	1	LOBDELL SILT LOAM, HIGH BOTTOM, 3 TO 6 PERCENT SLOPES
MdB	S	MARIONING SILT LOAM, 3 TO 8 PERCENT SLOPES
MdB2	S	MARIONING SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
MbC	S	MARIONING SILT LOAM, 8 TO 15 PERCENT SLOPES
MbC2	S	MARIONING SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
MdB	1	MARDIN GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES
MdB3	1	MARDIN GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED
MdC	S	MARDIN GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES
OaA	1	OTTAWA FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES
OaB	1	OTTAWA FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES
OaB3	1	OTTAWA FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED
OaC	S	OTTAWA FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES
ObA	1	OTTAWA LOAMY FINE SAND, 0 TO 2 PERCENT SLOPES
ObB	1	OTTAWA LOAMY FINE SAND, 2 TO 8 PERCENT SLOPES
ObB3	1	OTTAWA LOAMY FINE SAND, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED
ObC	S	OTTAWA LOAMY FINE SAND, 8 TO 15 PERCENT SLOPES
PaA	1	PHELPS GRAVELLY SILT LOAM, 0 TO 3 PERCENT SLOPES
PaB	1	PHELPS GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES
PaB3	1	PHELPS GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED
PaC	S	PHELPS GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES
PbA	S	PLATEA SILT LOAM, 0 TO 2 PERCENT SLOPES
PcA	1	PLATEA SILT LOAM, MODERATELY WELL DRAINED VARIANT 0 TO 2 PERCENT SLOPES
PcB	S	PLATEA SILT LOAM, MODERATELY WELL DRAINED VARIANT, 2 TO 8 PERCENT SLOPES
PcB3	S	PLATEA SILT LOAM, MODERATELY WELL DRAINED VARIANT, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED
PcC	S	PLATEA SILT LOAM, MODERATELY WELL DRAINED VARIANT, 8 TO 15 PERCENT SLOPES
RaA	S	RIMER FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES

PRIME FARMLAND

Survey Area- ERIE COUNTY, PENNSYLVANIA

Prime Farmland		
Map Symbol	Code	Soil Mapunit Name
RaB	S	RIMER FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES
RaB3	S	RIMER FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED
SaA	1	SCIO SILT LOAM, 0 TO 3 PERCENT SLOPES
SaB	S	SCIO SILT LOAM, 3 TO 8 PERCENT SLOPES
SaC	S	SCIO SILT LOAM, 8 TO 15 PERCENT SLOPES
UaA	1	UNADILLA FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES
UaB	S	UNADILLA FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES
UaB3	S	UNADILLA FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES, SEVERELY ERODED
UaC	S	UNADILLA FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES
VaA	S	VOLUSIA GRAVELLY SILT LOAM, 0 TO 3 PERCENT SLOPES
VaB	S	VOLUSIA GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES
VaC	S	VOLUSIA GRAVELLY SILT LOAM, 8 TO 15 PERCENT SLOPES
VbA	S	VOLUSIA SILT LOAM, 0 TO 3 PERCENT SLOPES
VbB	S	VOLUSIA SILT LOAM, 3 TO 8 PERCENT SLOPES
VbC	S	VOLUSIA SILT LOAM, 8 TO 15 PERCENT SLOPES
WaA	S	WALLINGTON FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES
WaB	S	WALLINGTON FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES
WaB3	S	WALLINGTON FINE SANDY LOAM, 2 TO 8 PERCENT SLOPES, SEVERELY ERODED
WaC	S	WALLINGTON FINE SANDY LOAM, 8 TO 15 PERCENT SLOPES
WbA	S	WALLINGTON SILT LOAM, 0 TO 2 PERCENT SLOPES
WbB	S	WALLINGTON SILT LOAM, 2 TO 8 PERCENT SLOPES
WcA	S	WAUSEON FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES
WeA	1	WILLIAMSON AND COLLAMER FINE SANDY LOAMS, 0 TO 2 PERCENT SLOPES
WfA	1	WILLIAMSON AND COLLAMER SILT LOAMS, 0 TO 2 PERCENT SLOPES
WgB	S	WOOSTER GRAVELLY SILT LOAM, 3 TO 12 PERCENT SLOPES
WgC	S	WOOSTER GRAVELLY SILT LOAM, 12 TO 20 PERCENT SLOPES

Prime Farmland  
 Code Description

- 1 All areas are prime farmland.
- S Farmland of Statewide Importance



ENGINEERS  
DESIGN BUILD  
TECHNICAL RESOURCES  
OPERATIONS

C&S Engineers, Inc.  
Syracuse Hancock International Airport  
Syracuse, NY 13212  
phone 315-455-2000  
fax 315-455-9667  
www.cscos.com

October 13, 2000

Andrew Shiels, Leader  
Pennsylvania Fish and Boat Commission  
Non-Game and Endangered Species Unit  
450 Robinson Lane  
Bellfonte, PA 16823

**Re: Erie International Airport  
Master Plan and Airport Layout Plan Update**

**File: 858.002.001.120**

Dear Mr. Shiels:

C&S Engineers, Inc. (C&S) on the behalf of Erie International Airport is preparing a Master Plan and Airport Layout Update for Erie International Airport in Erie County, Erie, Pennsylvania. C&S has been contracted by the Erie International Airport to review the 1990 Erie International Airport Master Plan for accuracy and update. A portion of this task includes identifying any environmental concerns existing within or nearby the project limits. Attached to this letter is a map (USGS Swanville Quadrangle) that illustrates the proposed project location. A significant task in the Airport Layout Plan Update will be to evaluate the airport property in terms of existing environmental significance and possible future impacts. Obviously, before any major development would occur, specific Federal and/or State-level environmental reviews will be accomplished.

I am requesting any information you may have regarding significant habitats, endangered, threatened, or rare species, or species of special concern in the immediate vicinity of the project.

Thank you for your assistance. If you have any questions or require any additional information, please contact me at this office.

Very truly yours,  
C&S ENGINEERS, INC.

Maureen A. Harding  
Planner  
enc.



**ENGINEERS  
DESIGN BUILD  
TECHNICAL RESOURCES  
OPERATIONS**

C&S Engineers, Inc.  
Syracuse Hancock International Airport  
Syracuse, NY 13212  
phone 315-455-2000  
fax 315-455-9667  
www.cscos.com

October 13, 2000

Tony Ross, Wildlife Impact Review Coordinator  
Pennsylvania Game Commission  
2001 Elmerton Avenue  
Harrisburg, PA 17110-9797

**Re: Erie International Airport  
Master Plan and Airport Layout Plan Update**

**File: 858.002.001.120**

Dear Mr. Ross:

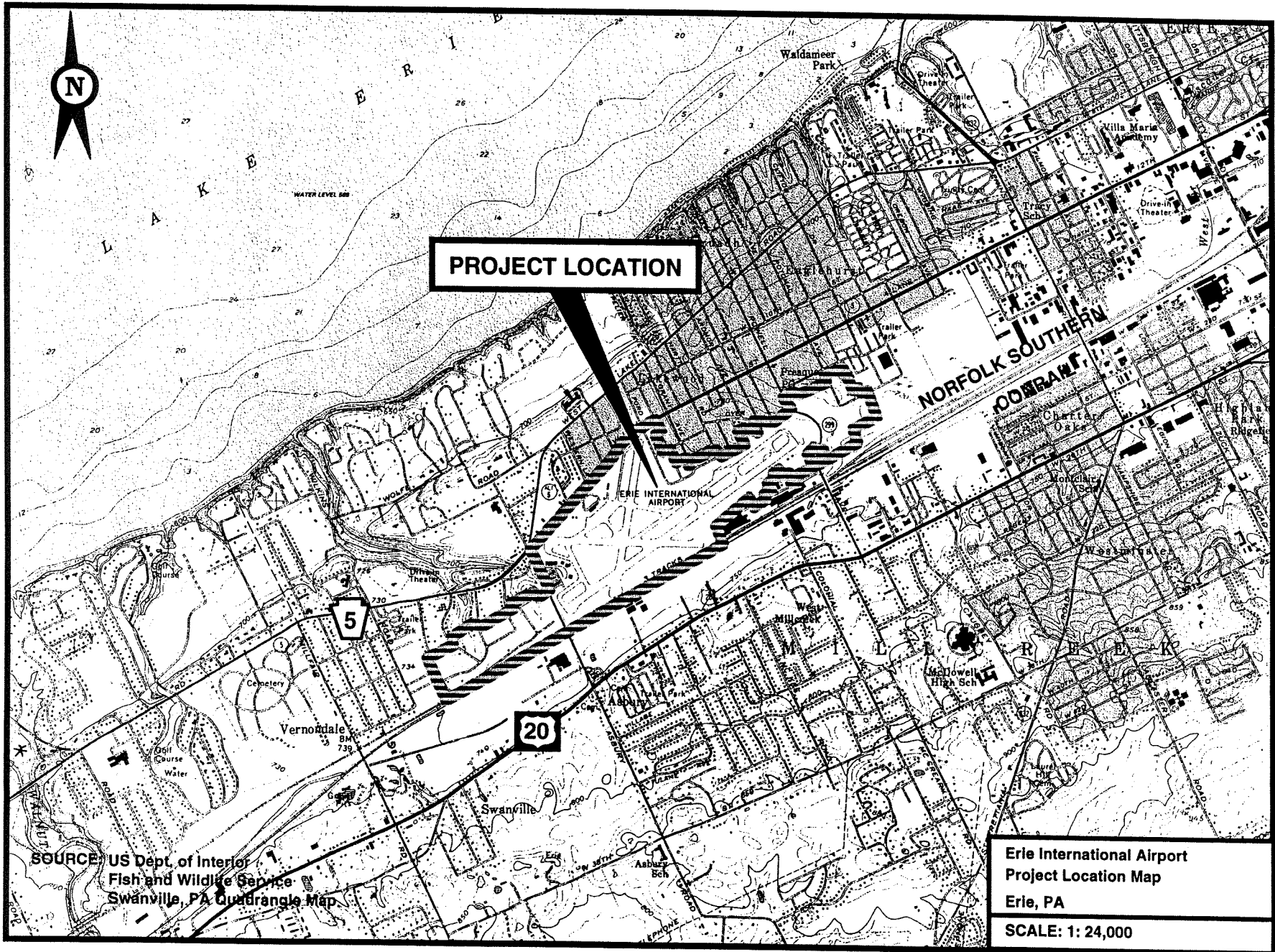
C&S Engineers, Inc. (C&S) on the behalf of Erie International Airport is preparing a Master Plan and Airport Layout Update for Erie International Airport in Erie County, Erie, Pennsylvania. C&S has been contracted by the Erie International Airport to review the 1990 Erie International Airport Master Plan for accuracy and update. A portion of this task includes identifying any environmental concerns existing within or nearby the project limits. Attached to this letter is a map (USGS Swanville Quadrangle) that illustrates the proposed project location. A significant task in the Airport Layout Plan Update will be to evaluate the airport property in terms of existing environmental significance and possible future impacts. Obviously, before any major development would occur, specific Federal and/or State-level environmental reviews will be accomplished.

I am requesting any information you may have regarding significant habitats, endangered, threatened, or rare species, or species of special concern in the immediate vicinity of the project.

Thank you for your assistance. If you have any questions or require any additional information, please contact me at this office.

Very truly yours,  
C&S ENGINEERS, INC.

Maureen A. Harding  
Planner  
enc.



**PROJECT LOCATION**

SOURCE: US Dept. of Interior  
Fish and Wildlife Service  
Swanville, PA Quadrangle Map

Erie International Airport  
Project Location Map  
Erie, PA  
SCALE: 1:24,000