

July 21, 2008

Angela Boyer  
U.S. Fish & Wildlife Service  
6950-H Americana Parkway  
Suite H  
Reynoldsburg, OH 43068-4127

Re: Arcadis; Lockheed Martin Resource Site  
Approximately 8.5 acres, Akron, Summit County, Ohio  
Project # 34-2613

Dear Angela:

Arcadis plans to perform remediation on the above captioned site, due to PCB contaminants found in the soils. The remediation plan will include clearing of all site trees in order to remove the contaminated soil, which will include impacts to potential Indiana Bat (*Myotis sodalis*) summer roosting and foraging habitat. Arcadis has contracted EnviroScience Inc. to proceed with Section 7 coordination of this site within the "may adversely effect" category and do a presence/absence survey on the property.

The Lockheed Martin Site is located in the City of Akron, west of Landon Street, south of East Archwood Avenue, and north of Triplett Avenue, in Summit County, Ohio, see attached Site Location Map. The property is approximately 8.5 acres, with approximately 5 acres of second growth forest, see attached Aerial Photograph. The remaining vegetated areas consist of thick shrub/scrub, open field, and successional communities. The site is surrounded by commercial and residential land-use and has a large ditch (Haley's Ditch), running north-south through the center of the property, see attached USGS Map. No underground mines, mine shafts, or mine portals were noted on the site.

In order to investigate the site for the presence/absence of the endangered Indiana Bat EnviroScience proposes 2 net sites (with two net locations each, surveyed for two nights each; 8 net nights). One net site will be placed in the northern wooded portion of the site, with one net location spanning the Haley's Ditch corridor and the other net site will be placed on the southern wooded portion of the property, with one net location spanning Haley's Ditch. Surveying will be conducted by Merrill Tawse (Federal Permit # TE157679-0, attached) and EnviroScience biologists. The survey will be done in July 2008 on nights with temperatures exceeding 50°F, no precipitation, low moonlight, and low winds. Net site placement will be determined by the criteria that would most likely result in the capture of foraging bats and bats



exiting the roost, with special attention paid to sites that would be most suitable for the Indiana Bat. The criteria that will be used include sites with proximity to dead or live potential roost trees, which are those exhibiting suitable diameter and having exfoliating bark, placement across corridors within closed canopy woodland situations, placement near or across riparian corridors with a closed canopy, and placement near or across other forms of wetlands serving as sources for water or emergent insects.

The survey will be accomplished by mist netting within the project area on two consecutive evenings. A total of 4 canopy net sets will be placed at 4 net locations (2 net sites) and will be monitored by two teams during the 5-6 hour survey period. Each canopy net set consisted of two stacked black, very fine mist nets (36 mesh, 2 ply, 50 denier, 4 shelf, 12 meter long and 2.6 meter high nets from AFO Banding Supplies of Manomet MA) and will be placed so that they completely span the corridor openings.

All survey findings will be summarize in a report to be submitted to USFWS Region 3, that will include the location of each net site, the conditions which exist during each survey night, and the amount, species, and size of any captured individuals.

Please review the attached maps and contact me at your earliest convenience with scope approval or any questions, comments, or concerns you may have. I can be reached by phone at (412) 310-2614 or via email at [jingraham@enviroscienceinc.com](mailto:jingraham@enviroscienceinc.com). Thank you for your attention to this matter.

Sincerely,

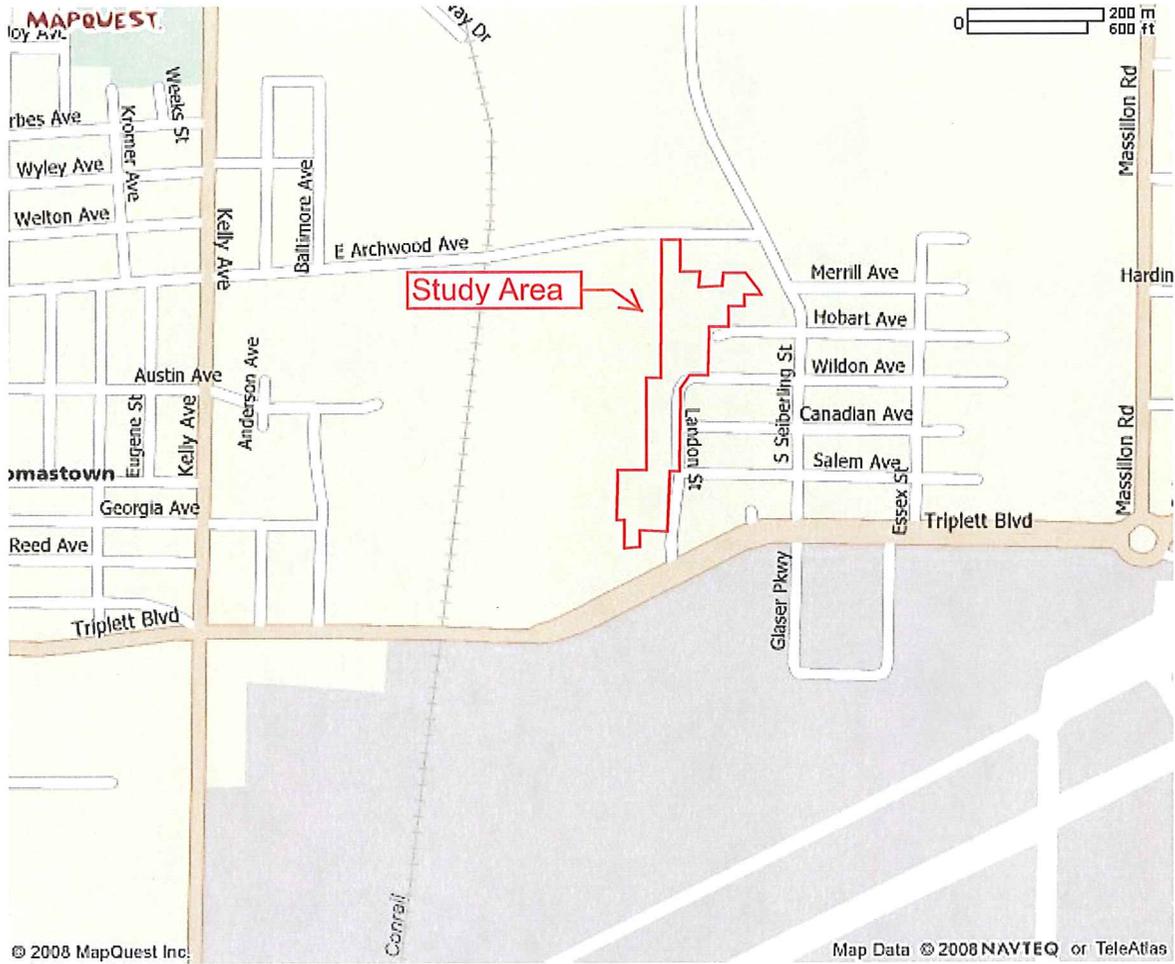
A handwritten signature in cursive script that reads "Jamie Willaman". The signature is written in black ink and is positioned above the typed name and title.

Jamie Willaman  
Wetland Project Manager  
EnviroScience Inc.

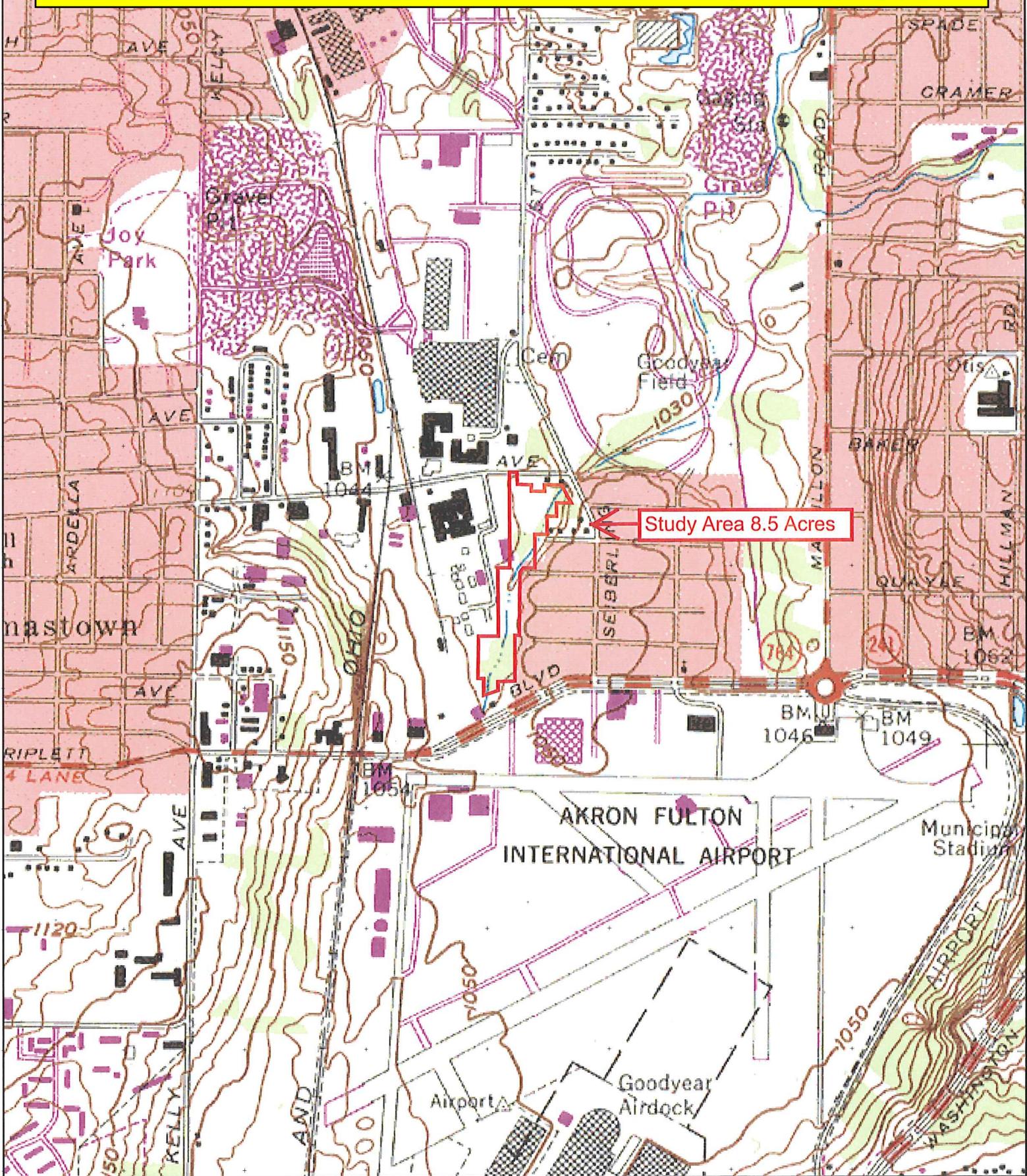
Attachments: 4

Location Map of the Lockheed Martin Site, MapQuest, 2008.

A: [1-23] W Archwood Ave, Akron, OH 44301



USGS 7.5 minute Topography Map of Lockheed Martin Site (Akron East Quadrangle).



Name: AKRON EAST  
Date: 7/19/108  
Scale: 1 inch equals 1000 feet

Location: 041° 02' 44.2" N 081° 28' 20.9" W

Aerial Photograph of Lockheed Martin Site, GoogleEarth, 2007.



Pointer 41°02'42.70" N 81°28'20.93" W elev 1033 ft Streaming 100%

Eye alt 3544 ft



# FEDERAL FISH AND WILDLIFE PERMIT

1. PERMITTEE

MERRILL BERNARD TAWSE  
4191 HASTINGS NEWVILLE ROAD  
LUCUS, OH 44843  
U.S.A.

2. AUTHORITY-STATUTES  
16 USC 1539(a)

REGULATIONS (Attached)  
50 CFR 17.22

50 CFR 13

3. NUMBER  
**TE157679-0**

4. RENEWABLE  
 YES  
 NO

5. MAY COPY  
 YES  
 NO

6. EFFECTIVE  
06/14/2007

7. EXPIRES  
12/31/2008

8. NAME AND TITLE OF PRINCIPAL OFFICER (If #1 is a business)

9. TYPE OF PERMIT  
ENDANGERED SPECIES

10. LOCATION WHERE AUTHORIZED ACTIVITY MAY BE CONDUCTED  
ON LANDS SPECIFIED WITHIN THE ATTACHED SPECIAL TERMS AND CONDITIONS

11. CONDITIONS AND AUTHORIZATIONS:

- A. GENERAL CONDITIONS SET OUT IN SUBPART D OF 50 CFR 13, AND SPECIFIC CONDITIONS CONTAINED IN FEDERAL REGULATIONS CITED IN BLOCK #2 ABOVE, ARE HEREBY MADE A PART OF THIS PERMIT. ALL ACTIVITIES AUTHORIZED HEREIN MUST BE CARRIED OUT IN ACCORD WITH AND FOR THE PURPOSES DESCRIBED IN THE APPLICATION SUBMITTED. CONTINUED VALIDITY, OR RENEWAL, OF THIS PERMIT IS SUBJECT TO COMPLETE AND TIMELY COMPLIANCE WITH ALL APPLICABLE CONDITIONS, INCLUDING THE FILING OF ALL REQUIRED INFORMATION AND REPORTS.
- B. THE VALIDITY OF THIS PERMIT IS ALSO CONDITIONED UPON STRICT OBSERVANCE OF ALL APPLICABLE FOREIGN, STATE, LOCAL OR OTHER FEDERAL LAW.
- C. VALID FOR USE BY PERMITTEE NAMED ABOVE.
- D. ACCEPTANCE OF THIS PERMIT SERVES AS EVIDENCE THAT THE PERMITTEE AND ITS AUTHORIZED AGENTS UNDERSTAND AND AGREE TO ABIDE BY THE TERMS OF THIS PERMIT AND ALL SECTIONS OF TITLE 50 CODE OF FEDERAL REGULATIONS, PARTS 13 AND 17, PERTINENT TO ISSUED PERMITS. SECTION 11 OF THE ENDANGERED SPECIES ACT OF 1973, AS AMENDED, PROVIDES FOR CIVIL AND CRIMINAL PENALTIES FOR FAILURE TO COMPLY WITH PERMIT CONDITIONS.
- E. Permittee is authorized to take (capture, handle, tag, and release) Indiana Bats (*Myotis sodalis*), for scientific research aimed at recovery of the species: presence/absence surveys, studies to document habitat use, and population monitoring to assist in the development of habitat management plans.
- F. Activities are authorized at the following locations:
  - F.1. Locations within Indiana, Kentucky, and Ohio upon receipt of written concurrence from Field Supervisor, as outlined in Condition G.
  - F.2. Locations within Pennsylvania and West Virginia in accordance to required state permits.

ADDITIONAL CONDITIONS AND AUTHORIZATIONS ALSO APPLY

12. REPORTING REQUIREMENTS  
ANNUAL REPORT DUE: 1/31

ISSUED BY  
*Merrill Bernard Tawse*

TITLE  
CHIEF - ENDANGERED SPECIES  
*for*

DATE  
06/14/2007