

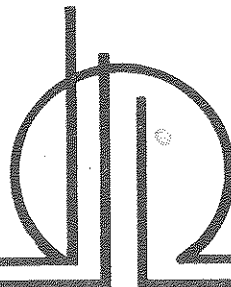
✓ MONROE	CLAY	madison	Greene
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Boone	Delaware	Kosciusko	
Clark	Elkhart	LaPorte	
Brown	Floyd	Marshall	
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DATA SEARCH FOR OPEN DUMP INVENTORY

PART I
AERIAL SEARCH: PROCEDURES AND RESULTS

PART II
REVIEW OF EXISTING RECORDS

PART I

DATA SEARCH FOR OPEN DUMP INVENTORY

AERIAL SEARCH: PROCEDURES AND RESULTS

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AERIAL PHOTOGRAPHIC SEARCH

OVERVIEW OF METHODS CONSIDERED

The Indiana State Board of Health (ISBH) contracted with the Environmental Systems Application Center (ESAC) of the School of Public and Environmental Affairs (SPEA) to perform an aerial photographic survey for the purpose of locating unknown solid waste disposal facilities. Through consultation with the Solid Waste Management Section of ISBH a list of counties was compiled on which this aerial survey would be performed (Figure 1).

Preliminary investigations by ESAC staff revealed three methods for performing the aerial survey. Briefly, these were: (1) searching existing conventional aerial photography; (2) subcontracting with the EPA Environmental Photographic Interpretation Center (EPA/EPIC); and (3) ESAC staff flying over the assigned counties, locating waste disposal sites and photographing them with hand-held 35 mm cameras.

Each method was evaluated and ESAC staff concluded that the most feasible and cost effective method was the latter. This recommendation was put forth on March 4, 1980 in an ESAC report entitled Cost Analysis of Aerial Photographic Survey for the Open Dump Inventory.

Locating open dumps by searching conventional aerial photography proved to be unfeasible. The photography for Indiana is black and white and of a scale of 1:20,000 or smaller. There is not sufficient resolution to conclusively identify any solid waste disposal sites.

The EPA/EPIC had the capability to identify solid waste disposal sites using high resolution, false-color infrared aerial photography which is available only to federal agencies. These services could not be contracted for the Open Dump Inventory due to federal regulations concerning the return of federal funds.

A preliminary ESAC flight on December 14, 1979 verified that solid waste sites could be easily recognized from a low flying aircraft and that the aerial photographic search could be conducted in a cost-effective manner.

The aerial search as conducted by ESAC proved to be very effective at locating solid waste disposal sites. The techniques used in the aerial search will be detailed in this report in such a way as to allow other researchers to duplicate this technique for purposes of a future, similar study.

The aerial search methodology was developed by an on-going process of refinement from one flight to the next. After each flight the crew discussed the mission and improvements were suggested. Each suggestion was pragmatically evaluated and eventually the combination of procedures which produced the best results was adopted as the standard operating procedure.

ASSUMPTIONS

During the aerial search a qualitative judgement was needed to determine whether or not a site was actually an open dump and if so, whether or not to photograph it. The criteria evaluated were size and content.

The site was considered a dump if it contained waste material such as household garbage, rubbish, construction debris, ashes, slag or chemicals. Automobile junkyards were not considered dumps unless there was other waste disposal on the premises. Solid fill sites containing only soil, stone, masonry and construction rubble were not considered dumps. When the content of the site was unclear, but appeared to be waste materials, the site was photographed and recorded. In this way ESAC could provide the location and ISBH field personnel could make an on-site evaluation of whether the site is in violation of regulations.

The minimum size of a dump considered worth photographic documentation was 1,000 sq. ft. Smaller dumps than this were visible but too numerous to record.

The size of the dump was estimated from the air using the rule of thumb that 1,000 sq. ft. is the area required to park five automobiles.

In order to make optimal use of the time and resources available to conduct the flyover search, the ESAC staff prioritized the area within a given county. Flight plans were prepared on the assumption that the majority of dumps would be situated in or near centers of commerce, industry and residence. The flight plans were designed to thoroughly search the major incorporated community in the county, a 2-3 mile wide buffer zone around that community and the major transportation corridors (excluding interstate highways because of their limited access) leading to and from the community. Forest and agricultural lands which were remote from the center of population were not searched.

The validity of this assumption was tested on Vigo County. A hypothetical flight plan was prepared to search the city of Terre Haute and the area along the two major highways (U.S. 41 and U.S. 40). When the flyover search was done on April 5, 1980, the entire county was searched with equal thoroughness. The assumption of dump locations was found to be valid, at least for Vigo County, since no dumps were found outside of the hypothetical flight plan area.

Elkhart, St. Joseph and Marion Counties were also searched in their entirety and, again, the areas remote from major transportation routes and centers of commerce, industry and residence contained the fewest dumps.

AIRCRAFT

The aircraft for the aerial photographic search was a 1980 Cessna Skylane 182 owned by Torp Service and rented to ESAC for the purpose. This model Cessna is a high wing aircraft which allows the passengers an unobstructed view of the ground for searching and photographing. In addition to conventional radio and navigation equipment, this model was also equipped with distance measuring equipment (DME) and a transponder with an encoding altimeter. At the normal cruise speed, 130 knots, the maximum range was 750 statute miles.

The transponder emits an identification signal from the aircraft which is received by radar equipment. A transponder with an encoding altimeter emits a signal which also reports the instantaneous altitude of the plane. This feature of the aircraft was crucial to the success and safety of the mission when operating under positive radar control in the vicinities of major airports.

FLIGHT CREW

The flight crew consisted of four persons: the pilot in the left front seat, the navigator in the right front seat, the photographer in the right rear seat and the spotter in the left rear seat.

The pilot is concerned entirely with operation of the aircraft and communication. He flies according to the navigator's directions and maintains radio communication with air traffic controllers.

The navigator's chief responsibilities are to know the exact position of the aircraft at all times, and to give flight instructions to the pilot according to the flight plan. For example, typical instructions to the pilot may be, "make a left turn to heading 270°" or "make a tight right circle."

When a dump is spotted the navigator is informed of the location in direction and distance. The pilot is instructed to circle the site of a specified distance and the navigator marks the location and site number on his map. The navigator should be equipped with several maps (discussed later), a clipboard, dividers and a pencil.

The photographer searches for dumps on the right side of the aircraft and photographs them, usually taking 6-8 photographs of each dump.

The spotter searches for dumps on the left side of the airplane. The spotter is equipped with a clipboard and data sheets (Table 1) on which notes are recorded including site number, site description, altitude, time of day, cameras used, length of camera lens, frames exposed on each camera and often

a rough sketch of the site. When the photographer is changing film the spotter assists by unpacking and storing film and preparing the film roll identification sheet (Figure 3).

PHOTOGRAPHIC EQUIPMENT

ESAC owns two Nikon 35 mm cameras equipped with motor-drive film advance. Thus equipped, these cameras are capable of exposing several frames of film in rapid sequence. These cameras were fitted with a 24 mm, 50 mm or 75-205 mm zoom lens, the choice primarily depending on the altitude.

The film used was Kodachrome 64ASA on very bright days and Ektachrome 200 ASA on hazy days.

The shutter speed required to stop apparent motion when photographing from an airplane depends on speed, altitude and focal length of camera lens. At an air speed of 100 knots and an altitude of 2,000 ft. above ground, a shutter speed of 1/125 sec. will stop motion when using a 50 mm lens. A 1/ 500 sec. shutter speed is required for a 200 mm lens.

ALTITUDE

The altitude at which the aerial search is conducted determines the focal length of the camera lens. A higher altitude requires a longer lens to produce photographs of the same resolution. The open dump search had the best results flying at 2,000 ft. AGL (above ground level) and using a 50 mm lens on one camera and a 24 mm lens on the other. When flying at 3,000 ft. AGL a 50 mm lens and a 75-205 mm zoom lens were used.

An altitude of 2,000 ft. AGL corresponds to 2,400 ft. MSL (feet above mean sea level) in most of Vanderburgh County and 3,200 MSL in most of Wayne County.

Altitude affects visual acuity in two ways. Higher altitudes reduce visual resolution due to the increased distance between the ground and the eye. On the other hand, higher altitudes increase the breadth of vision, that is, the horizon

appears more distant. These two factors represent a trade-off and the flight crew judged 2,000 ft. AGL to represent an optimum between visual resolution and visual breadth.

When conducting the aerial search in the vicinity of controlled airports, an altitude was often assigned by the air traffic controllers. When this occurred the mission was continued at the assigned altitude, changing camera lenses as necessary.

AIRSPEED

Airspeed was adjusted according to the area being searched. Open portions of the county where dumps are few and widespread were searched at 130 knots (150 miles per hour; one nautical mile = 1.15 statute miles). Over urban and incorporated areas where dumps are more numerous, 100 knots (115 mph) was more effective. The pilot applied 10 degrees of wing flap as needed to further reduce airspeed to 90 knots over very crowded portions of the county.

Faster airspeeds allow a faster scan rate (area searched per unit time) but make photography of a site more difficult because less time is available for the crew to point out the site to each other and for the pilot to respond to instructions from the navigator.

MAPS

The navigator used four different types of maps. The map most frequently used was a county highway map, purchased from the Indiana State Highway Commission, which covered the entire county at a scale of 1" = 1 mile. These blue line maps were most useful in rural areas. A major shortcoming of these maps is that incorporated areas are shown only as a gray block defining the corporate boundaries, within which no roads, railroads, streams or other surface features are shown.

Topographic quadrangle maps from the U.S. Geological Survey (USGS) were used for navigation over large incorporated areas. These 1:24,000 (1" = 0.39 mile) scale maps are very detailed and accurate.

Quadrangle maps were useful for navigation except for the size and scale, as many as 12 of these maps being required to completely cover a county. At a speed of 130 knots, the plane would fly over the eight mile length covered by a quadrangle map in just over three minutes. The need to switch from one map to the next so frequently makes quadrangle maps inconvenient for use over rural areas.

When navigating from the point of flight origin to the target county or from one target county to the next, USGS 1° x 2° topographic maps, at a scale of 1:250,000 are useful.

The Federal Aviation Administration publishes sectional Aeronautical Charts for use by pilots flying under Visual Flight Regulations (VFR). These are available at scales of 1:500,000 and 1:1,000,000 and illustrate airports, air traffic control zones, radio and navigational signals, restricted flight zones, locations of towers and obstructions and other information pertinent to aerial navigation and communication. Selected information, including the locations of airports, tall towers and radio navigational beacons, was transferred from the aeronautical charts to the county and quadrangle maps and highlighted with colored ink. This was done so that the navigator would be aware of this information without switching from one map to another.

When searching an area in the vicinity of a controlled airport, a hand drawn summary map was prepared for the pilot which showed the airport, its control zone, other uncontrolled airports in the vicinity, the locations of VORTAC radio navigational beacons and the planned flight path of the aerial search. This map was used by the navigator to keep the pilot continually informed of the position of the plane relative to the airport and control zone.

FLIGHT PLAN

The breadth of vision from the airplane depended on altitude and weather conditions. With clear, cool weather and low haze (low humidity) a dump could

easily be detected with the unaided eye at a distance of 2.5 miles. If there was atmospheric haze or the dump was adjacent to or within forests, then 1.5 miles was the maximum distance of certain detection.

With these restrictions in mind, flight plans were laid out following the assumption that the flight crew can visually search the area within one mile on either side of the plane, without overlooking any potential sites. This meant that a two mile wide path was searched with each pass of the airplane.

Two separate aerial search patterns were employed. The north-south scan pattern was a series of passes, two miles apart, following section lines. For example, the search proceeded from north to south, moved two miles to the east, then searched from south to north, moved two miles east again, proceeded north to south, etc. and thus covered the search area with a series of switchbacks. The north-south scan covered 100% of the search area, but usually resulted in few data over remote agricultural and forest lands.

The other aerial search pattern, the transportation corridor search, was used to follow major transportation routes through the rural portions of the county.

When en route to or from assigned search counties (Figure 1) the flight path was directed, where convenient, over major transportation routes and communities in other counties. Several additional dump sites were located, at no extra expense, by this sort of planning.

PROCEDURES OF AERIAL SEARCH

The combined noises of wind, engine and radio often reached such a level that the flight crew had difficulty hearing each other speak in the cockpit of the airplane. For this reason, the navigator briefed the crew prior to each flight regarding counties to be searched, altitudes, estimated time of arrival, and other pertinent flight plans. Planning and briefing minimized the need for talking during the mission.

All flights originated from the Monroe County Airport, usually departing between 800 and 1200 hours. While en route to the target county the flight crew prepared its maps, cameras, and data sheets. Upon entering the county the navigator provided instructions to the pilot according to the flight plan.

The photographer and spotter searched the ground from the plane to one mile out on their respective sides. When a dump was spotted the navigator was informed of its approximate location by describing the direction and distance (e.g., "9 o'clock at 3/4 mile"). The navigator noted this location on the map and instructed the pilot to fly a clockwise circle of appropriate radius so the plane would circle the dump at a distance that allowed picture taking.

The dump was always circled in a clockwise direction because the navigator and photographer sat on the right side of the airplane and needed the best view of the site.

The photographer took from four to ten photographs as explained below. The spotter recorded the site number and other information concerning the cameras and location. The navigator marked the location and site number on the map and instructed the pilot when to return to the flight plan.

The procedure was planned to collect all photographs and data while circling each site only once. The entire process takes 60-90 seconds.

When changing film the pilots flew a standard circle with the aid of the turn-coordination instrument. This instrument enables flying the airplane in a 360° circle which will terminate directly over the origin (correcting for wind drift) and heading in the same direction. This standard rate turn allowed two minutes for the photographer to change film and "label" the new roll of film by photographing the clipboard with the film roll identification sheet (Figure 2).

PHOTOGRAPHY

Two types of photographs were taken of each dump site. Taking these photographs, was by necessity, closely coordinated with the position and degree of bank of the airplane.

Oblique photographs were taken at a distance of 0.5 to 1.0 mile from the site with the airplane in a shallow bank. Oblique photographs, often taken with a wide angle lens, showed the dump in proximity to surrounding landscape and landmarks and were used for post-flight verification of the dump site location. These were taken in either level flight or a shallow bank lest the wing obscure visibility.

Near vertical photographs were taken from a position more or less directly above the dump site. These photographs were taken with a longer lens to provide close up images of the dump site and its contents. A steep bank was needed for near vertical photographs, to provide a sharp image with a minimum of distortion.

Typically 2-5 shots of each type of photograph were taken as the plane circled the site. Figure 3 illustrates an idealized skematic of how a dump site was circled and photographed during the aerial search.

Photography from a moving airplane presents some particular complications which were corrected for as described below.

A shutter speed of 1/125 second was adequate to stop motion when 24 or 50 mm lenses were used. A 200 mm lens, however, enhanced the motion and a shutter speed of 1/500 second was necessary to prevent blur.

The distance to the subject was long enough such that the cameras were focused on infinity at all times, thus depth of field was unimportant. For these reasons wide aperture settings ($f = 3.8$ to 5.6) were used to enable faster shutter speeds.

Each site was photographed with a range of apertures, bracketing the light meter reading, in order to have a gradient of exposures. This was particularly important where vegetation and bare ground appeared in the same frame. Otherwise the reflectance of the bare ground overloaded the light meter and the vegetated area was under-exposed and the bare ground over-exposed.

Photographing through the window of the airplane often caused glare problems. Glare was generally visible through the viewfinder and the photographer could avoid

it by tilting the camera to a different angle. Ideally, photographs were taken perpendicular to the window of the plane, avoiding the wing and landing gear while framing the dump site in the foreground. The optimum combination of aircraft bank position was short lived. Several frames were exposed in rapid sequence when the opportunity arose.

PHOTO INTERPRETATION

All of the information collected on dump sites during the aerial search was systematically evaluated by photo interpretation. The slides, the flight data sheets, the flight maps, and the 1:24,000 USGS topographic maps were examined concurrently, one site at a time, to ascertain concordance among all data. The photo interpreter examined the slides for obvious landmarks or land forms such as railroads, buildings, ponds, ditches, streams, hills and patterns of forestation. These features are also illustrated on topographic maps. By establishing the proximity of the dump site to these features, the location of the site was plotted accurately on the map.

Agreement was also confirmed between the direction of shadows in the slides and the time of day that the photos were taken. The physical location of the site must agree with other notes taken by the spotter.

The purpose of the photo interpretation process was to verify positively the location of the dump. Once this location was established it was described by latitude and longitude to the nearest second with the aid of a latitude-longitude scale (available from Indiana Geological Survey). The location was described by General Land Office Survey coordinates by range, township, section, 1/4 section and 1/16 section and also by a brief description of adjacent roads and landmarks.

RECORDS

The Open Dump Inventory (ODI) flyover search generated a large data base in the form of slides and descriptive information on dump sites. During the project, these data were recorded and kept using the following formats:

When a new roll of film was loaded into the camera, a film roll identification sheet (Figure 2) was filled out and photographed in the cockpit of the airplane. This became a "tag" by which every roll of film was positively identified when it returned from the processors.

During the flights, the spotter recorded the information pertinent to each site on data forms prepared for the purpose (Table 1). Information recorded included film roll number, the frame number on that roll, site number, a description or sketch of the site, camera and lens in use, time, altitude (MSL) and other notes as appropriate.

When each roll of film was returned from the processor each slide was labeled with flight number, roll number, slide number and site number. The slides were stored in transparent plastic slide envelopes which were kept in three-ring binders. The ESAC in-house slide catalog was indexed by flight number for logistic reasons. After photo interpretation was completed, and before presenting the slide collection to ISBH, the catalog was reorganized into a system indexed by county.

As each site was photo interpreted, the descriptive information was compiled into a computerized data file by Community and Institutional Research Services (CAIRS) at Indiana University, South Bend, Indiana. This information is also found in Table 3.

FINDINGS AND RESULTS

AERIAL PHOTOGRAPHIC SEARCH

The aerial search was conducted in 19 flights, each of 3-6 hours duration, over 35 Indiana counties. During these flights 636 dump sites were recognized, photographed and documented. A tabular summary of the counties flown appears in Table 2. The dump sites documented are tabulated by county in Table 3, along with descriptors, locators, the number of slides taken and the dates.

DATA IMPLICATIONS TO SITE EVALUATIONS

The information compiled from the ESAC aerial search can be considered absolute. The slides constitute proof that a dump actually exists and the correct location is verifiable from the slides.

The locations of the dump sites have been provided in three separate ways. All sites were plotted on county highway maps (1" = 1 mile). General Land Office (GLO) survey coordinates have also been provided (Table 3). These are range, township, section, 1/4 section and 1/16 section. Finally, latitude and longitude have been reported to the nearest second.

For reasons explained below, the latitude and longitude data are the most accurate and the ESAC staff recommends that ISBH use these data to establish the dump locations for their in-house purposes. ESAC provided ISBH a latitude-longitude overlay grid identical to the one used by ESAC to make the original measurements on the topographic maps. ISBH can use this grid, the latitude-longitude data and their own topographic maps to accurately plot the dump site locations.

DATA LIMITATIONS AND SOURCES OF ERROR

The aerial search dump sites were plotted on county highway maps (scale, 1" = 1 mile) using 1/4 inch black triangles. The precision of the plotting was limited by scale of the maps and the size of the plotting medium. The uncertainty in the map locations is roughly the area covered by the triangles or 1/4 mile.

The General Land Office survey coordinates of dump locations are listed down to 1/16 section which is a 1/4 mile x 1/4 mile square. The uncertainty of a dump location using these coordinates is then, 1/4 mile.

Latitude and longitude are reported for each dump location to the nearest second. One second of latitude is, by definition, 1/60 of a nautical mile or roughly 100 ft. The uncertainty in measuring latitude and longitude then is ± 100 ft. There was, however, additional uncertainty when the photo interpreter located the sites on the topographic map. All sources of error included the maximum uncertainty for any particular site is ± 400 ft. and most sites have less uncertainty than that.

The possibility that major dump sites were undetected within the area searched is remote but real. It was not possible to see the ground directly below the plane so there was a 0.10 mile wide path in which a dump would have been unseen. Since the flight plan was based on a scan width of two miles, the 0.10 mile path which could not be seen represents a $0.10/2 \text{ mile} \times 100\% = 5\%$ probability that dump sites may have been overlooked within the area searched on a given flight.

The contents of a dump could be somewhat evaluated by the naked eye when flying over the site. The observed contents were not recorded on a site by site basis, however, because it would have doubled the time required to document the site (i.e., flying two circles around the site rather than one) and the large number of dump sites encountered prohibited this. The photo interpreters evaluated the contents of each dump when the slides were reviewed and assigned one of the type of material categories on the dump site reporting sheet (Table 3). This evaluation was based on recognition of the contents as shown by the slides and the surrounding land use.

ACCESS TO DATA AND SLIDE CATALOG

ISDH can find information on the aerial search dump sites in each of four places. These are the site list (Table 3), the computer data file (under the appropriate respondent code number), the maps provided and the slide catalog.

Each dump site was assigned a four digit identification number. The first two digits designate the county in which the site is located. The latter two digits designate the site number within that county. For example, 02-15 identifies Allen County, Site 15 on the maps, lists and slides.

Table 3 tabulates all sites located by the aerial search in numerical order and lists the county code, site number, number of slides, date, type of material category, size category, USGS quadrangle name, range, township, section 1/4 section and 1/16 section, north latitude, west longitude and written directions to the site. The computer data file stored the same information as Table 3 except the directions to the site.

Each slide of the slide catalog contains a six digit identification number. The first four digits correspond to county code and site number as above and the last two digits identify the slide number for that particular site.

The aerial search sites were plotted onto county highway maps (scale: 1" = 1 mile) with solid black triangles. Each triangle was labeled with a two digit site number. This site number is the same as was used in the site list, the computer data file and the slide catalog. The aerial search map has the search area indicated by a crosshatch pattern.

The dump sites which were reported from the mail survey data search and the file data search, were also plotted on identical maps. Mail survey sites are represented by an orange circle. Permitted landfills and permitted closed landfill are represented by solid black squares and open black squares respectively.

All of the dump sites from the aerial search maps, the survey data search maps and the file data search maps were consolidated onto a Mylar transparency. There is one transparency for each county. The transparencies have an outline of the county boundary and are the same scale as the county maps (1" = 1 mile). This allows the transparencies to be superimposed on any of the other maps of the same county.

ERRATA

The following entries are corrections to the aerial search data in the CAIRS computer file. These corrections have been made in Table 3.

<u>Site</u>	<u>Reads</u>	<u>Should Read</u>
45-50	T36N	T37N
45-51	T36N	T37N
87-01	Site 87-01 Warrick Co.	Site 82-37 Vanderburgh Co.

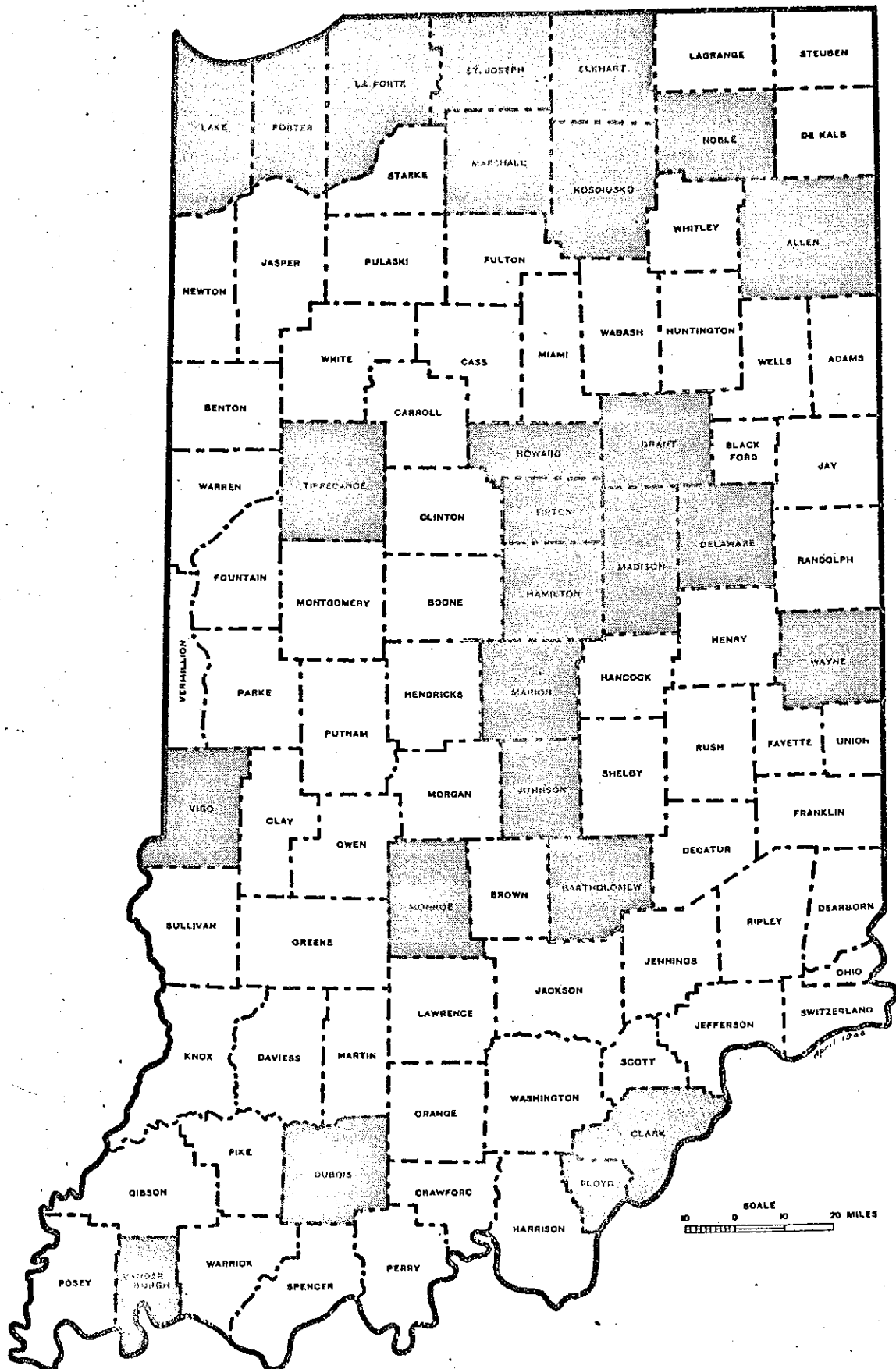
The following entries are additions to the aerial search data in the CAIRS computer file. These are also found in Table 3.

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to S
89	14		1	1	Hagerstown	T17N/R12E/14 NW-1/4, SE-1/4	39°55'30"/85°08'20"	
89	15		1	1	Richmond	T17N/R1W/32 SE-1/4, NE-1/4	39°50'12"/84°53'35"	
*Type of Disposal Site (1) = 1 acre or less (2) = 1-5 acres (3) = More than 5 acres **Type of Material (1) = Trash/Garbage (2) = Demolition Materials (3) = Masonry/Concrete (4) = Industrial Wastes (5) = Other								

FIGURES

- 1 Counties Assigned for Aerial Search by ISBH
- 2 Film Roll Identification Sheet - this was filled out and photographed every time film was changed
- 3 Idealized Schematic of How Dump Sites Were Circled and Photographed During the Aerial Search

INDIANA



U. S. GOVERNMENT PRINTING OFFICE : 1948 - O-791394

Figure 1. Counties assigned by ISBH for aerial search.

DATE _____

FLIGHT NO. _____

ROLL NO. _____

FILM TYPE _____

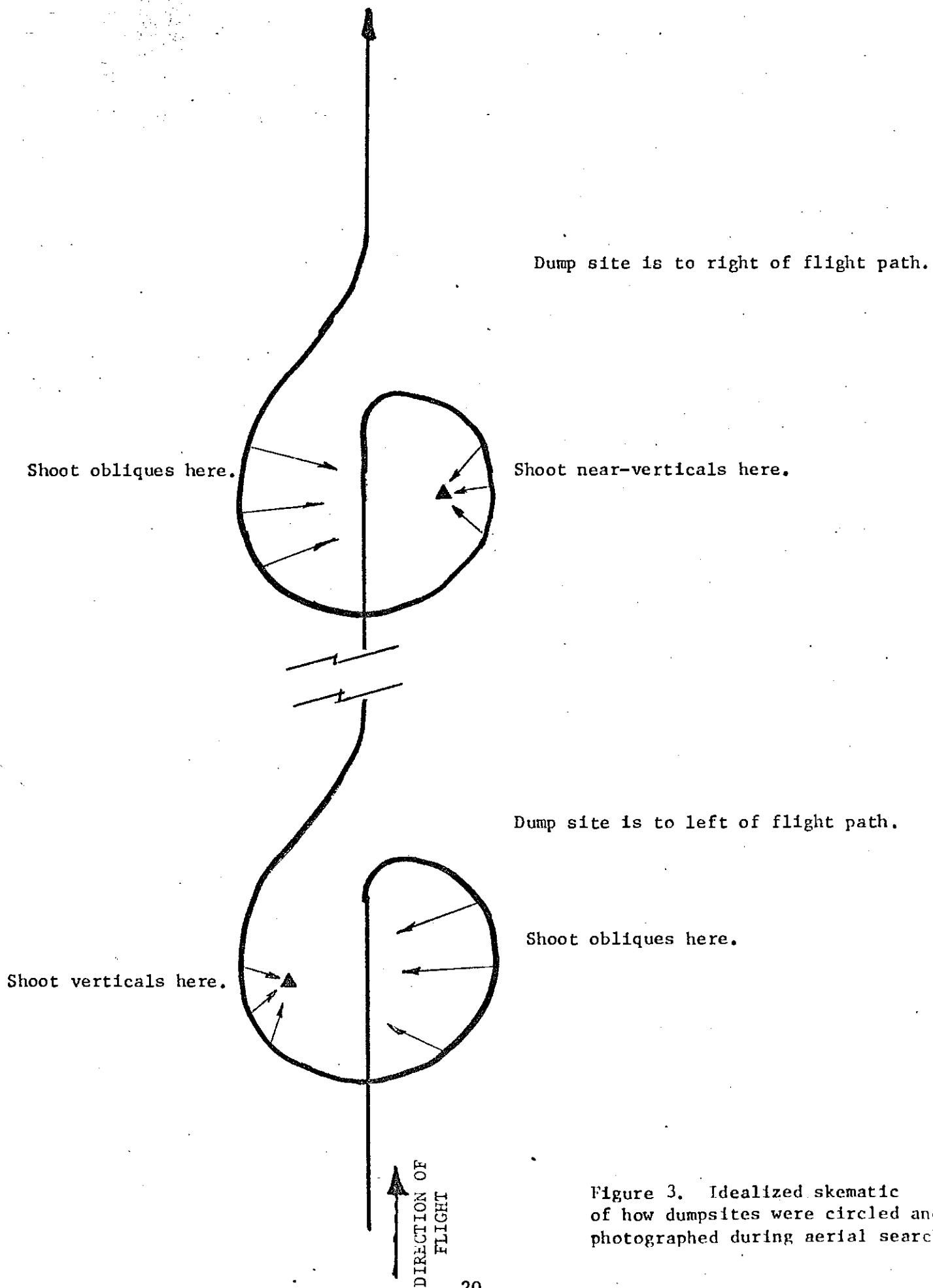


Figure 3. Idealized skematic of how dumpsites were circled and photographed during aerial search

TABLES

- 1 Inflight Data Sheet
- 2 Flight Summary
- 3 Dump Sites Reported from Aerial Search

Table 2. Flight Summary

County Name	County Code	Major Communities	Date(s)	Area of County (sq. mi.)*	Area Searched**	No. of Dump Sites Reported
Allen	02	Fort Wayne	5-28-80	671	260	22
Bartholomew	03	Columbus	5-15-80	402	110	3
Boone	06	Lebanon Zionsville	7-14-80 7-17-80	427	en route en route	2
Brown	07	Nashville	6-17-80	319	en route	4
Clark	10	Jeffersonville Clarksville	5-15-80	384	90	9
Clinton	12	Frankfort	5-22-80	407	en route	3
Davies	14	Washington	4-19-80	430	en route	1
Delaware	18	Muncie	5-21-80	396	180	13
Dubois	19	Jasper	4-19-80	433	90	5
Elkhart	20	Elkhart Mishawaka	5-26-80	468	468	43
Floyd	22	New Albany	5-15-80	149	110	5
Grant	27	Marion Gas City	5-22-80	421	120	18
Greene	28	Bloomfield	4-19-80	549	en route	1
Hamilton	29	Noblesville Carmel	5-21-80 8-23-80	401	210	18
Hendricks	32	Danville	7-17-80	417	en route	1
Howard	34	Kokomo	5-22-80	293	80	8
Jackson	36	Seymour	5-15-80	520	en route	3
Johnson	41	Greenwood	5-15-80	315	160	12
Kosciusko	43	Warsaw	6-10-80	540	110	28
Lake	45	Gary Hammond	6-5-80 6-9-80	513	340	90
LaPorte	46	Michigan City LaPorte	5-27-80 6-9-80	607	200	41

Table 2. Flight Summary (Continued)

County Name	County Code	Major Communities	Date(s)	Area of County (sq. mi.)*	Area Searched**	No. of Dump Sites Reported
Madison	48	Anderson	5-21-80	453	180	10
Marion	49	Indianapolis	7-14-80 8-23-80	392	392	67
Marshall	50	Plymouth	6-10-80 7-17-80	443	100	24
Monroe	³ 56	Bloomington	6-17-80	386	150	37
Morgan	55	Martinsville	7-14-80	406	en route	4
Noble	57	Kendalville	6-10-80	412	90	10
Porter	64	Valparaiso	6-9-80	425	220	37
St. Joseph	71	South Bend Mishawaka	5-27-80	525	525	24
Sullivan	77	Sullivan	8-22-80	457	en route	3
Tippecanoe	79	Lafayette	5-22-80	500	100	5
Vanderburgh	82	Evansville	4-19-80 8-25-80	241	150	37
Vermillion	83	Clinton	8-22-80	263	en route	2
Vigo	84	Terre Haute	4-5-80 8-22-80	415	415	31
Wayne	89	Richmond	3-18-80 6-10-80	405	180	15

*From Indiana Fact Book. State Planning Services Agency, 1979.

**En route means that the county was not assigned for the aerial search by ISBH Solid Waste Management Section. Dump sites were located while flying over the county en route to an assigned county. Area searched was determined by polar planimetry.

TABLE 3
Dump Sites from Aerial Search

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
02	1 21	5	2	1	Fort Wayne West	T30N, R12E, 30 NW1/4, NW-1/4	41°01'37"/85°13'27"	.35 mi. south of the Norfolk & Western RR. .86 mi. west of Smith Rd.
02	2 32	5	1	1	Fort Wayne West	T30N, R12E, 35 NE-1/4, NE-1/4	41°00'57"/85°07'53"	.11 mi. south of Tillman Rd. .15 mi. east of the St. Mary's River.
02	3 37	4	1	1	Maples	T30N, R14E, 10 SW-1/4, NE-1/4	41°04'27"N/84°55'51"W	.1 mi. north of the New York, Chicago, St. Louis RR. .39 mi. west of Webster Rd.
02	4 5	3	1	1	Maples	T30N, R14E, 2 NW-1/4, NW-1/4	41°05'37"N/84°55'24"W	.05 mi. east of Webster Rd. .07 mi. south of Gar Creek Rd.
02	5 25	4	2	1	Grabill	T31N, R14E, 14 NW-1/4, SE-1/4	41°08'35"N/84°54'54"W	.15 mi. south of Doty Rd. .18 mi. west of Faust Rd.
02	6 38	4	1	1	Fort Wayne East	T30N, R13E, 1 SW-1/4, SE-1/4	41°04'48"N/85°00'31"W	.1 mi. north of Rose Ave. .5 mi. east of the Norfolk and Western RR.
02	7 40	4	1	1	Fort Wayne East	T30N, R13E, 1 SW-1/4, SW-1/4	41°04'51"W/85°01'11"W	.05 mi. west of Landin Rd. .16 mi. north of Parrott Rd.

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- (1) = 1 acre or less
(2) = 1-5 acres
(3) = More than 5 acres

**Type of Material

- (1) = Trash/Garbage
(2) = Demolition Materials
(3) = Masonry/Concrete
(4) = Industrial Wastes
(5) = Other

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
02	8 46	3	1	1	Fort Wayne East	T30N, R13E, 3 NW-1/4, SE-1/4	41°05'02"N/85°02'40"W	.4 mi. north of Parrott Rd. .2 mi. west of the east-side of South River Rd.
02	9 22	2	2	1 Landfill	Fort Wayne East	T30N, R13E, 21 SW-1/4, NE-1/4	41°02'37"N/85°03'55"W	.2 mi west of the transmission lines. .71 mi. north of Paulding Rd.
02	10 23	5	2	1	Fort Wayne East	T30N, R13E, 17 NW-1/4, NW-1/4	41°03'32"N/85°05'38"W	.29 mi. due north of Oxford St., just south of Penn Central RR.
02	11 15	3	3	1	Fort Wayne East	T30N, R13E, 8 NE-1/4, NE-1/4	41°04'32"N/85°04'50"W	Just south of Maumee. Just north of N & W RR. .18 mi. north of SR 14. .4 mi. NE of U.S. 30.
02	12 27	5	2	1	Cederville	T31N, R12E, 12 NW-1/4, SE-1/4	41°09'06"N/85°07'27"W	.3 mi. north of Cook Rd. .35 mi. west of Auburn.
02	13 51	2	1	1	Cederville	T31N, R13E, 7 NE-1/4, SE-1/4	41°09'28"N/85°06'14"W	.45 mi. south of Wallen Rd. .75 east of Auburn Rd.
02	14 50	3	1	1	Huntertown	T31N, R12E, 11 SW-1/4, SE-1/4	41°08'52"N/85°08'48"W	.05 north of Cook Rd. adjacent to abandoned RR. .95 mi. east of SR

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
02	15 24	6	2	1	Fort Wayne West	T31N, R12E, 27 SW-1/4, SE-1/4	41°06'25"N/85°09'41"W	.85 mi. south of California Rd. west side of Frankie Park.
02	16 49	4	1	1	Huntertown	T31N, R12E, 15 SW-1/4, NW-1/4	41°08'28"/85°10'25"	.1 mi. north of Ludwig Rd. just east of Penn Central RR.
02	17 26	2	2	1	Huntertown	T31N, R12E, 10 SW-1/4, SW-1/4	41°08'52"/85°10'18"	.05 mi. north of Cook Rd. .18 mi. east of Penn Central RR.
02	18 48	1	1	1	Huntertown	T31N, R12E, 15 SE-1/4, SW-1/4	41°08'03"/85°10'01"	.15 mi. north of Washington Center Rd. .4 mi. west of SR 3.
02	19 31	7	2	1	Huntertown	T32N, R12E, 29 SW-1/4, SW-1/4	41°11'32"/85°10'31"	Just east of Penn Central RR. .08 mi. north of Carroll Rd.
02	20	5	1	1	Fort Wayne West	T30N, R12E, 5 SE-1/4, NW-1/4	41°04'57"N/85°12'14"	.35 mi. east of the intersection of Penn Central RR & Norfolk and Western RR. .5 mi. south of Bass Rd.
02	21 39	5	1	1	Fort Wayne West	T30N, R12E, 5 NW-1/4, SW-1/4	41°04'50"N/85°12'26"	.3 mi. west of Thomas Rd. .6 mi. south of Bass.

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County Code	Site No.	No. of Sides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to S
02	22 52	5	1	1	Huntertown	T32N, R12E, 30 SE-1/4, SE-1/4	41°13'24"/85°10'34"	Just east of Penn Central RR. .28 mi. north of Wood Rd.

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- (1) = 1 acre or less
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- (3) = More than 5 acres

**Type of Material

- (1) = Trash/Garbage
- (2) = Demolition Materials
- (3) = Masonry/Concrete
- (4) = Industrial Wastes
- (5) = Other

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
038	1	3	3	1	Columbus	T8N, R6E, 7 SW-1/4, NE 1/4,	39°09'03"N/85°54'01"W	West of White River and Clifty Creek Junction.
0358	2	2	1		Columbus	T9N, R5E, 2 SW-1/4, SE-1/4	39°18'39"N/86°07'13"W	Behind SWF Carpets, near Columbus.
0317	3	7	3	1	Elizabethtown	T8N, R6E, 3 NE-1/4, NE-1/4,	39°50'26"N/85°50'26"W	Immediately SE of SR 9 and I 31 intersection.

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 (3) = Masonry/Concrete
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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
06	14	8			Zionsville	T17N, R2E, 10 SW-1/4, NE-1/4	39°55'58"/86°17'09"	.43 mi. west of N. 66th Street. .5 mi. south of 106th Street.
06	2 13	7			Rosston	T18N, R2E, 2 SW-1/4, SW-1/4	40°01'42"/86°16'37"	.11 mi. east of US 421. .28 mi. south of Taylor Rd.

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**Type of Material

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(3) = Masonry/Concrete
(4) = Industrial Wastes
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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
07	1 11 ✓	5	1	1	Morgantown	T10N, R2E, 23 SE-1/4, SW-1/4	39°17'05"N/86°16'56"W	.33 mi. east of Oak Ridge Rd., .01 mi. south of county rd. 1.18 mi. north of SR 45.
07	2 12 ✓	5	1	1	Morgantown	T10N, R2E, 23 NE-1/4, SW-1/4	39°17'08"N/86°16'46"W	1.27 mi. north of SR 45, .48 mi. east of Oak Ridge Rd., .02 mi. north of county rd.
07	3 15 ✓	6			Morgantown	T10N, R2E, 25 SE-1/4, NE-1/4	39°16'30"/86°15'15"	.56 mi. north of SR 45, .12 mi. west of SR 135, .04 mi. north of county rd.
07	4 14 ✓	7			Nashville	T9N, R3E, 17 NE-1/4, SW-1/4	39°13'04"/86°13'30"	.3 mi. southwest of Greenbriar Lake, .25 mi. south of Creamer Rd.
*Type of Disposal Site (1) = 1 acre or less (2) = 1-5 acres (3) = More than 5 acres					**Type of Material (1) = Trash/Garbage (2) = Demolition Materials (3) = Masonry/Concrete (4) = Industrial Wastes (5) = Other			

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/° Longitude	Directions to Site
10	1 ①	2	3	1	Jeffersonville	Section 9	38°17'30"N/85°44'17"W	Located within the "y" formed at the junction of two RR tracks, in a railroad yard in the city of Jeffersonville across from a shopping center on SR 3/62.
10	2 11	4	2	1	Jeffersonville	Section 35	38°20'40"N/85°42'34"W	Located between RR tracks and junction of 10th St. and arm of Poulter Rd.
10	3 4	1	3	1	Jeffersonville	Section 36	38°21'23"/85°42'24"	NW of junction of SR 3/62 and Potter Rd. adjacent to Baltimore & Ohio Penn. Central RR.
10	4 14	3	2	1, 5 (Sewage Disposal)	Charlestown	Section 117	38°26'32"N/85°40'20"W	South of subdivision south of junction of SR 403 and SR 3
10	5 9	2	3	1	Speed.	Section 220	38°29'17"N/85°46'01"W	SW of I-65 interchange and intersection with Blue Lick Rd.
10	6 21	1	1	1	Charlestown	Sec. 40	38°22'51"N/85°38'51"W	End of turnaround on dirt road, SW of Daily Cemetary.

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(3) = More than 5 acres

**Type of Material

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(3) = Masonry/Concrete
(4) = Industrial Wastes
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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/° Longitude	Directions to Site
10	7 20	3	1	1	Jeffersonville	Sec. 5	38°17'53"N/85°41'08"W	Just off Utica Pike; 0.2 mi. NW of Allison Lane.
10	8 18	2	1	1	Jeffersonville		38°16'32"N/85°45'53"W	End of Riverside Dr. 0.4 mi. west of intersection of Sherwood Ave. and Riverside Dr.
10	9 19	3	1	1	Jeffersonville		38°17'26"N/85°46'51"W	Dump in Mill Creek Ditch, 0.1 mi. from mouth of creek, north of the light duty road.
*Type of Disposal Site		**Type of Material						
(1) = 1 acre or less		(1) = Trash/Garbage						
(2) = 1-5 acres		(2) = Demolition Materials						
(3) = More than 5 acres		(3) = Masonry/Concrete						
		(4) = Industrial Wastes						
		(5) = Other						

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
11	1	3	2	4 (strip mine)	Clay City	T10N, R6W, S31 SW-1/4, NW-1/4	39°15'53"N/87°37'23"W	1/8 mi. NW of Jct. SR 56 and SR 246, SW of Clay City

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(3) = Masonry/Concrete
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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
12	1 9	4	1	1	Hillisburg	T22N, R2E, 18 NE-1/4, NW-1/4	40°21'35"N/86°20'58"W	Just south of 7/18 section line, east of Kilmore Creek; about 0.3 mi. due east of 800 East Rd.
12	2 7	4	1	1	Michigantown	T21N, R1W, 2 SE-1/4, SW-1/4	40°17'16"N/86°29'52"N	0.2 mi. NE of intersection of NY, Chicago & St. Louis RR and Michigantown Rd., 0.3 mi. due west of pond.
12	3 8	3	1	1	Frankfort	T21N, R1W, 9 NE-1/4, SE-1/4	40°16'42"N/86°31'36"W	0.15 mi. SE of intersection of McKinley Ave. and 130 W. Rd., 0.1 mi. due south of McKinley and the Penn RR.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
14 17	1	1	1		Sandy Hook	T7M, R2N, S18 NW-1/4 of NE-1/4	38°36'36"N/87°13'38"N	1/4 mi. south of Thomas Rd. 2 mi. west of SR 57.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
18	1 13	3	1	1	Middletown	T19N, R9E, 8 NW-1/4, SW-1/4	40°06'38"N/85°32'07"W	At end of unimproved dirt road, about 0.1 mi. due east of 800 West Rd. SE of intersection of 800 W. Rd. and 550 South Rd.
18	2 18	4	1	1	Muncie West	T20N, R10E, 18 SW-1/4, SE-1/4	40°10'45"N/85°25'45"W	0.15 mi. south of SR 32 and Penn Central RR where they run parallel to each other, SE about 0.3 mi. SE of intersection of SR 32 and 250 W Rd.
18	3 20	5	1	1	Muncie West	T20N, R9E, 12 SE-1/4, NW-1/4	40°12'07"N/85°27'20"W	NE side of Norfolk & Western RR tracks 0.3 mi. eastward along the tracks from the intersection of tracks and 400 W. Rd; between tracks & Jackson St
18	4 11	2	2	1	Muncie West	T20N, R10E, 10 NE-1/4, NE-1/4	40°12'23"N/85°22'39"W	Between Muncie Cree & N & W RR tracks; 0.1 mi. NE from intersection of tracks and Highland Ave.
18	5 17	4	1	1	Muncie West	T20N, R10E, 21 SW-1/4, SE-1/4	40°09'56"N/85°23'35"W	Adjacent to water tower, 0.2 mi. SW from intersection of 23rd St. and N & W RR; 1/2 mi. SW of substation.
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(3) = More than 5 acres		(3) = Masonry/Concrete						
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		(5) = Other						

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
18	6 14	3	1	1	Muncie East	T20N, R10E, 31 NE-1/4, SW-1/4	40°08'26"N/85°19'45"W	0.15 mi. due south of 350 S. Rd; 0.2 mi south of White River, between pond and power lines.
18	7 16	2	1	1	Muncie East	T20N, R10E, 25 NE-1/4, SE-1/4	40°09'15"N/85°19'48"W	On west bank of White River, south side of bridge where road crosses river; east of power lines.
18	8 15	2	1	1	Muncie East	T20N, R11E, 30 NW-1/4, SW-1/4	40°09'13"N/85°19'30"W	Immediately south of Burlington Drive off-shoot; 0.25 mi. east of bridge.
18	9 19	3	1	1	Muncie East	T20N, R11E, 18 NE -1/4, SW-1/4	40°10'55"N/85°19'17"W	Between power lines and oil well in dog leg of unimproved road, 0.25 mi. from 100 S. Road.
18	10 22	6	1	1	Muncie East	T20N, R11E, 6 SW-1/4, SW-1/4	40°12'39"N/85°19'38"W	East side of pond; 0.15 mi. east of 300 East Rd.; NE of intersection of 300 E. Rd. and 100 N. Rd.
18	11 23	4	1	1	Muncie East	T21N, R10E, 25 NW-1/4, NE-1/4	40°14'17"N/85°20'15"W	SW of gravel pit between 350 N. Rd. and 300 N. Rd.

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18	12 25	5	1	1	Eaton	T22N, R10E, 23- SE-1/4, SE-1/4	40°20'15"N/85°21'07"W	East side of Missis sinewa River, 0.2 m
18	13 24	3	1	1	Redkey	T21N, R11E, 1 SW-1/4, NW-1/4	40°18'08"N/85°14'07"W	Between 800 East Rd and SR 167; SE of pond, 0.10 mi. SW of intersection of NY Chicago & St. Louis RR and SR 167

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
19	141	6	1	1	Huntingburg	T2S, R5W, 29 NE-1/4, SE-1/4	38°18'42"/86°58'50"	0.3 mi. west of 400 W. Rd., 0.2 mi. north of RR tracks.
19	62	7	3	1	Huntingburg	T2S, R5W, 9 NE-1/4, NW-1/4	38°21'52"/86°58'15"	0.2 mi. SW of junction of CR 100S and CR 350W.
19	33	5	1	4	Huntingburg	T2S, R5W, 15 NE-1/4, NE-1/4	38°20'58"/86°56'40"	0.6 mi. east of US 231, .36 mi. south of Patoka River.
19	24	4	1	4	Huntingburg	T2S, R5W, 15 SE-1/4, SW-1/4	38°20'18"/86°57'08"	.1 mi. south of Hunley Cr., .12 mi. west of U.S. 231.
19	85	5	3	5 (Automobiles)	Huntingburg	T2S, R4W, 31 SE-1/4, SW-1/4	38°18'10"/86°53'50"	.14 mi. west of 50 E. Rd., .16 mi. north of SR 64.
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(3) = More than 5 acres		(3) = Masonry/Concrete						
		(4) = Industrial Wastes						
		(5) = Other						

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
20	1 40	5	1	1	Millersburg	T35N, R5E, 11 SE 1/4, NE 1/4	41°39'19"/85°40'42"	.6 East of State Route 30, 1.5 South of 1200 N
20	2 37	6	1	1	Millersburg	T36N, R5E, 16 SW 1/4, NE 1/4	41°35'05"/85°43'31"	.35 South of 400 South, 1.5 mi. west of State Route 13
20	3 39	7	1	1	Middlebury	T37N, R7E, 22 SE 1/4, NW 1/4	41°39'07"/85°42'37"	.2 west of State Road 13, .3 south- west of U.S. 20
20	4 50	6	1	1	Middlebury	T38N, R7E, 34 SW 1/4, SE 1/4	41°43'01"/85°42'9"	.4 south of 450 north, .6 west of State Route 13
20	5 98	3			Middlebury	T38N, R7E, 27 NE 1/4, NW 1/4	41°43'28"/85°42'47"	.1S of State Route 120, .35 East of Road Bordering Sec- tions 27 & 28
20	6 101	1			Middlebury	T7E, R38N, 21 SE 1/4, SE 1/4	41°43'35"/85°43'19"	.05 N of state Route 120, 4.5 E of Township School
20	7 82	3			Bristol	T7E, R37N, 18 NW 1/4, NE 1/4	41°39'57"/85°45'39"	.2 S of U.S. 20 .1 W of North-South Road in Section 18
20	8 96	2			Bristol	T7E, R37N, 8 SW 1/4, SW 1/4	41°40'14"/85°42'02"	.3 N of U.S. 20 .3 E of Road Bor- dering Section 7&8

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
20	9 53	6			Milford	T35N, R6E, 24 Center of SW 1/4	41°28'07"/85°47'04"N	0.3 mi SW of inter-section of SR13 and light duty road; 0.25 mi. due east of 300 East Road
20	10 61	5			Milford	T35N, R6E, 12 NW 1/4, SW 1/4	41°29'49"N/85°47'12"W	Southeastern edge of dirt track; 0.2 mi. SE of two medium duty roads
20	11 62	2			Milford	T35N, R6E, 12 NW 1/4, SW 1/4	41°29'58"/85°47'07"W	0.2 mi due east of N-S medium duty road running along Section line between Sections 11 & 12
20	12 63	3			Goshen	T35N, R6E, 2 NW 1/4, SW 1/4	41°30'54"N/85°48'23"W	Eastern edge of marshy area, 0.1 mi due east of Elkart River
20	13 68	4			Goshen	T36N, R6E, 11 SW 1/4, SW 1/4	41°34'54"N/85°48'28"W	Directly N of a medium duty road, 0.4 mi. along this road to I 33; 0.3 mi. NE of NY Central Railroad
20	14 70	2			Goshen	T36N, R6E, 10 SW 1/4, SE 1/4	41°35'02"N/85°49'02"W	Just SW of Rock Creek, 0.1 mi NE of NY Central RR tracks

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
20	15 20	5			Bristol	T37N, R6E, 23 SE 1/4, NW 1/4	41°38'53"N/85°48'07"W	0.4 mi. SE of intersection of medium duty road and light duty road just west of elongated forested area.
20	16 81	4			Bristol	T37N, R6E, 14 SE 1/4, SW 1/4	41°39'22"N/85°48'13"N	0.27 mi. NE of intersection of medium and light duty road 0.2 mi. NW of Pond.
20	17 51	3	1	1	Bristol	T38N, R6E, 27 SE 1/4, NE 1/4	41°43'08"N/85°48'47"	S. of RR track, N of commercial bldg in grassy area; .2 mi. S of SR 120 & SR15 intersection
20	18 99	4			Bristol	T38N, R6E, 26 NE 1/4, NE 1/4	41°43'28"N/85°47'43"	.05 mi. S. of V intersection of RR & SR 120, .05 mi. W of bend in Elkart River.
20	19 100	4			Bristol	T38N, R6E, 23 SE 1/4, SE 1/4	41°43'33"N/85°47'47"	.05 mi. N of RR, .1 mi W of V intersection of RR & SR 120.
20	20 72	3			Goshen	T36N, R6E, 5 SE 1/4, SE 1/4	41°35'45"N/85°51'04"	.01 mi N of RR at intersection W section line, .09 mi. E of river

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
20	21 73	4			Foraker	T36N, R6E, 6 NE 1/4, SW 1/4	41°36'00"/85°52'47"	.3 mi. S of bend in Leedy ditch, .15 mi. W of half-section line
20	22 29	6	2	1	Goshen	T36N, R6E, 16 SE 1/4, NW 1/4	41°34'28"/85°49'30"	.05 mi. N of SR 119 .1 mi W of River
20	23 46	4	1	1	Elkhart	T38N, R6E, 31 NE 1/4, SW 1/4	41°42'07"/85°52'50"	.18 mi S. of point where SR 120 leaves edge of river, along RR
20	24 48	3	1	1	Elkhart	T38N, R5E, 26 SE 1/4, SE 1/4E	41°42'46"/85°54'38"	Just S. of trans- mission line, .2 mi. E of unimproved road.
20	25 78	6			Elkhart	T37N, R5E, 22 NE 1/4, NE 1/4	41°37'56"/85°55'47"	.35 mi E. of water tower, .2 mi. S of section line; on road from indus- trial site
20	26 36	4	1	1	Foraker	T36N, R5E, 22 SE 1/4, NE 1/4	41°33'25"N/85°55'46"W	0.35 mi. SW of in- tersection of med- ium duty and light duty roads.
20	27 35	7	1	1	Foraker	T36N, R5E, 27 SW 1/4, SW 1/4	41°32'32"N/85°55'48"W	In Gravel Pit just north of medium duty road, 0.27 mi. N of SR 119
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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
20	28 34	4	1	1	Foraker	T36N, R5E, 35 SW 1/4, NW 1/4	41°31'59"N/85°55'10"W	1.0 mi. south of SR 119 at bend in right duty road.
20	29 32	4	1	1	Nappanee East	T35N, R5E, 32 SW 1/4, NE 1/4	41°26'45"N/85°58'21"W	Just S of Berlin Court Ditch, 0.55 mi. NE of intersection of US6 and 700 West Rd.
20	30 14	3	1	4	Foraker	T37N, R5E, 32 SW 1/4, NE 1/4	41°37'05"N/85°58'22"W	0.43 mi. due west of unnamed medium duty road dividing sections 32 & 33; west of marshy area near center of Sec. 32
20	31 42	12	1	1	Elkhart	T37N, R5E, 16 NE 1/4, NE 1/4	41°39'52"N/85°56'50"W	0.17 mi. SW of intersection of Lusher Ave. and Eddy St.
20	32 43	4	1	1	Elkhart	T37N, R5E, 10 SE 1/4, NE 1/4	41°40'28"N/85°55'49"W	0.23 mi. due south of US20; 0.27 mi NE of Goshen Ave.
20	33 47	4	1	1	Elkhart	T38N, R5E, 33 NE 1/4, NW 1/4	41°43'32"N/85°57'37"W	.3 N of Morde11 Ave .5 E of Johnson Ave .25 NE of Woodlawn Ave
20	34 49	3	1	1	Elkhart	T38N, R5E, 28 NE 1/4, SE 1/4	41°42'53"N/85°56'53"W	.1 W of Walnut St. .5 N of Miller St.

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20	35 52	2	1	1	Osceola	T38N, R5E, 7 SW 1/4, SW 1/4	41°45'26"/86°00'11"	1.9 mi. N of U.S. 90 Toll Rd. .8 E of Ash Rd.
20	36 12	4	2	4	Osceola	T37N, R4E, 24 NW 1/4, NW 1/4	41°38'33"/86°01'28"	.22 mi E of county road., 1.37 N of Baugo Creek.
20	37 13	10	1	4	Foraker	T36N, R5E, 30 SE 1/4, SW 1/4	41°32'23"/85°59'53"	near ditch, .2 mi. N of county road, .16 mi. E of SR 19
20	38 33	7	1	1	Nappanee W	T35N, R4E, 35 NW 1/4, NE 1/4	41°26'57"/86°01'44"	.32 mi. S of Berlin Court ditch, .05 mi. E of county Rd. 950 W.
20	39 44	4	1	1	Osceola	T37N, R4E, 10 SW 1/4, NE 1/4	41°40'31"/86°03'07"	.1 mi S of drag- strip, .5 mi E of Ash Rd.
20	40 60	2			Osceola	T37N, R4E, 3 SW 1/4, NW 1/4	41°41'31"/86°03'27"	.3 E of Ash Road .4 N of U.S. 20 Near River
20	41 91	5			Osceola	T37N, R4E, 3 NE 1/4, NE 1/4	41°41'40"/86°02'36"	.1S of Edison Rd. .1 W of Road that intersects Edison Rd. in NE corner of Section 3
20	42 96	9			Osceola	T38N, R4E, 26 NW 1/4, SE 1/4	41°42'55"/86°01'54"	.1 SW of Bristol R 1.4 N of Highway 90 Toll Road

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20	43 42	3			Osceola	T37N, R4E, 3 SW 1/4, SW 1/4	41°41'57"/86°03'35"	.1 mi E of Ash Rd .1 mi E of Jeffer- son Road and Ash Road intersect

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22	17	3	2	1	New Albany (at boundary with Speed quad)	Sec. 106, Sec. 111	38°22'30"N/85°48'35"W	West of SR 111
22	25	2	2	1	New Albany		38°17'43"/85°49'15"	West of Fairview cemetery, between Falling Run Stream RR
22	31	6	3	1	New Albany	T35, R6E, 3 SW 1/4, SE 1/4	38°16'33"/85°49'54"	+ .12 mi off River just upstream from confluence of falling Run & Ohio R. access from W. Main St.
22	411	2	1	1	Georgetown	T25, R5E, 35 NW 1/4, SW 1/4	38°17'29"/85°55'32"	0.2 mi. NE of SR 64 adjacent to intermittent stream, about 0.3 mi. west of Oakes Rd.
22	58	2	1	1	Georgetown (at boundary with Lanceville quad)	T35, R5E, 35 NW 1/4, SW 1/4	38°10'33"/85°55'58"	About 0.2 mi. west of SR 11, adjacent to Black Creek at end of dead end rd.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
27	1 32	4	1	1	Gas City	T23N, R8E, 36 NE 1/4, NW 1/4	40°24'25"N/85°34'10"W	0.2 mi. east of intersection of Chesapeake & Ohio RR with medium duty road; west of N-S tight duty road.
27	2 33	4	1	1	Gas City	T23N, R8E, 24 NW 1/4, SW 1/4	40°25'44"N/85°34'38"W	East of 500 East Road between road and Pipeline; NE of intersection of 500 E. Rd and SR 26
27	3 35	3	1	1	Van Buren	T24N, R8E, 11 NE 1/4, NW 1/4	40°33'00"N/85°35'25"W	0.4 mi. SE of intersection of SR 18 and 400 East Rd. South of Lugar Creek tributary
27	4 60	3	1	1	Van Buren	T25N, R8E, 27 SW 1/4, SE 1/4	40°35'02"N/85°36'21"W	on intermittent stream 0.15 mi due north of 200 N. Road, about 0.3 mi. SE of NY, Chicago & St. Louis RR.
27	5 141	5			Marion	T24N, R8E, 16 SE 1/4, NW 1/4	40°32'03"/85°37'45"N	Several small sites among the lakes about 0.1 mi. SW of the Mississinewa River; 0.7 mi north of SR 15

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
27	6 60	3	1	1	Marion	T24N, R8E, 21 NE 1/4, NW 1/4	40°31'06"N/85°37'39"W	Directly NW of Pennsylvania RR bridge over Mississinewa River
27	7 61	3	1	1	Marion	T24N, R8E, 21 SE 1/4, NW 1/4	40°31'13"N/85°37'45"W	Directly across river from sewage disposal site on northwestern bank of Mississinewa River.
27	8 62	2	1	1	Marion	T24N, R8E, 29 NE 1/4, NE 1/4	40°32'00"N/85°38'12"W	Directly west of Lincoln Blvd., S of Deer Creek, at the intersection of Lincoln and the Creek.
27	9 63	2	1	1	Fairmount	T23N, R8E, 33 NE 1/4, NW 1/4	40°29'13"N/85°37'40"	SE of the intersection of Kokomo Rd & Main St. Located to the E of the Chesapeake & Ohio RR
27	10 85	2	1	1	Gas City	T24N, R8E, 33 NW 1/4, NE 1/4	40°29'01"N/80°37'19"W	Between factory & High School tracks; midway between Penn RR and Mississinewa River
27	11 40	1	1	1	Fairmount	T24N, R8E, 30 SW 1/4, SW 1/4	40°29'30"N/85°40'10"W	Between SR 9 and Deer Creek; 0.2 mi. north of Old Kokomo Rd.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
27	12 5	3	1	1	Marion	T24N, R8E, 20 SE 1/4, SW 1/4	40°30'36"N/85°38'45"W	Between SR 15 and N.Y. Central RR tracks, 0.1 mi. north of meander in Deer Creek; just north of 20/29 section line.
27	13 65	2	1	1	Marion	T25N, R8E, 32 NE 1/4, SW 1/4	40°34'18"N/85°39'00"W	Between pond and Horton Ave. immediately E of Adrien .2 mi S of Horton & Charles St.
27	14 64	4	1	1	Marion	T25N, R8E, 32 NW 1/4, SE 1/4	40°34'18"N/85°38'37"	.5 mi. N of Bradford Ave. on the Dirt Road just W of Allen School
27	15 54	4	1	1	Marion	T24N, R8E, 5 NE 1/4, SW 1/4	40°33'24"N/85°38'45"W	.2 mi. SW of intersection of Pennsylvania & SR 16 on E bank of Mississippi newa
27	16 67	4	1	1	Marion	T25N, R8E, 30 NW 1/4, NE 1/4	40°35'20"N/85°39'44"W	Between dirt rd. & RR (NYC) just N of Country Club Park-ing Lot.
27	17 68	4	1	1	Marion	T25N, R8E, 19 SW 1/4, NW 1/4	40°36'15"N/85°40'14"W	0.25 mi NW of intersection of N.Y. Central RR and Harreld Rd at end of dirt road NE of northern most pond

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27	18 55	4	1	1	Sweetser	T24N, R7E, 6 NE 1/4, NE 1/4	40°33'48"N/85°46'20"W	0.25 mi. SW from the intersection of Penn. RR and 500 W. Road on east side of lake.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
28	1 15	1	1	1	Koleen	T6N, R4W, S34 NE 1/4, NE 1/4	38°55'03"/86°49'55"	300 ft. N of SR 58 1/4 mi. W of CR 625 E - on loop

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
29	29 1	3	1	1	Sheridan	T20N, R3E, 31 NW 1/4, SE 1/4	40°08'00"N/86°13'42"W	Between W 24th St. and SR 47, 0.3 mi. from Jerk Water Rd. in Sheridan at end of NW bend in a dead end road.
29	31 2	2	1	1	Sheridan	T20N, R3E, 31 NW 1/4, NE 1/4	40°08'30"N/86°13'48"W	Between Crain Hill Cemetery & RR.
29	25 3	4	1	1	Westfield	T19N, R3E, 36 NE 1/4, SW 1/4	40°03'05"N/86°07'58"W	0.1 mi. east of I 31, between the pipeline and the interstate; adjacent to an unimproved road just east of US 31.
29	27 4	3	1	1	Noblesville	T19N, R4E, 16 SW 1/4, NW 1/4	40°05'52"N/86°05'08"W	0.2 mi. due east of Hinkle Rd. and 0.25 mi. due south of E 216th St. Just west of the bend in an unimproved road.
29	28 5	3	1	1	Noblesville	T19N, R4E, 7 SE 1/4, SE 1/4-	40°06'19"N/86°05'08"W	West bank of Jones Ditch adjacent to small pond, about 0.3 mi. NW of junction of Gifford Ave & E 216th St.
29	30 6	3	1	1	Fishers	T18N, R4E, 23 NE 1/4, SW 1/4	39°59'35"N/86°02'10"W	North of White Rivers, 0.1 mi. SE of bend in SR 234 at its junction with an unimproved road.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
29	7 ¹⁹	3	1	1	Fishers	T18N, R4E, 23 SE 1/4, SW 1/4	39°59'21"N/86°02'00"W	South of White River, West of pond & unimproved road.
29	8 ²¹	3	1	1	Noblesville	T18N, R4E, 12 NW 1/4, SW 1/4	40°01'20"N/86°01'43"W	Located at the bend of an unimproved road among the ponds NE of the junction of E 160th St. and River Ave.
29	9 ²²	4	1	1	Noblesville	T19N, R4E, 35 NW 1/2, SE 1/4 - NE 1/4, SW 1/4 (several small sites)	40°02'57"N/86°02'31"-37"W	Several small dump sites scattered across an area 0.3 mi. South of SR 32 0.5 mi. N of SR 38, west of Cicero Creek.
29	10 ²⁴	5	1	1	Noblesville	T19N, R4E, 25 SW 1/4, SE 1/4	40°03'35"N/86°01'15"W	East side of RR tracks, 0.25 mi. from SR 19.
29	11 ³³	6	1	1	Arcadia	T20N, R4E, 24 SW 1/4, NW 1/4	40°10'13"N/86°01'25"W	West side of RR spur just SW of water tower 0.35 mi east of Schever Ave
29	12 ²⁶	4	1	1	Noblesville	T19N, R5E, 18 SW 1/4, SE 1/4	40°05'23"N/86°00'05"W	East bank of stream (Ditch) 0.15 mi. due N of 206th St.
29	13 ²⁵	4	1	1	Noblesville	T19N, R4E, 24 SW 1/4, NE 1/4	40°04'52"N/86°00'57"W	In swampy area, 0.1 mi. west of SR 19 at end of ditch.

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29	11 14	3	1	1	Fishers	T17N, R4E, 9 NW 1/4, SE 1/4	39°55'48"/86°04'38"	.2 mi. N of 96th St. .1 mi. E of River Ave. E of quarries.
29	10 15	4	1	1	Fishers	T17N, R4E, 9 SW 1/4, NW 1/4	39°55'30"/86°05'04"	.25 Mi. E of Hinkle Road. .1 mi S of Blue Woods Creek.
29	12 16	3	1	1	McCordsville	T17N, R5E, 9 NW 1/4, SE 1/4	39°56'03"/85°58'23"	At end of 1ane leading through subdivision, .35 mi. N of Fall Creek Rd. .51 mi. E of Mollenkopf Rd.
29	15 17	3	1	1	McCordsville	T17N, R5E, 4 NE 1/4, SE 1/4	39°56'56"/85°57'31"	.18 E of Geist Rd., .6 mi S of Mud Creek.
29	13 18	2	1	1	McCordsville	T17N, R5E, 9 SE 1/4, NW 1/4	39°56'15"/85°58'10"	End of dirt road .3 mi. S of 106th St. .5 mi. W of Geist Rd.

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
32	1	3	1	1	Bridgeport	T15N, R2E, 20 SE 1/4, SE 1/4	39°43'16"/86°19'42"	.1 mi W of Hendric Marion County Line .7 mi S of U.S. 40

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
34	1 15	4	1	1	Kokomo East	T24N, R4E, 32 NW 1/4, NE 1/4	40°29'21"N/86°05'10"W	Directly N of orchard .3 mi. N of 50 North Blvd. .15 mi. S of Wildcat Creek
34	2 14	3	1	1	Kokomo East	T24N, R4E, 32 SE 1/4, NW 1/4	40°29'05"N/86°05'35"W	.4 mi. E of North Road & SR 31 Intersection. Directly S of First Pond E of intersection
34	3 12	2	1	1	Kokomo East	T24N, R4E, 31/32 31: SE 1/4, NE 1/4 32: SW 1/4, NW 1/4	40°28'34"N/86°05'57"W	Between Wildcat Creek and intersection of US 31 & 50 North Rd.
34	4 16	1	1	1	Kokomo East	T24N, R4E, 30 NW 1/4, SE 1/4	40°29'43"N/86°06'23"W	Adjacent to south side of Memorial Park cemetery, 0.15 mi. NE from intersection of N.Y. Chicago St. Louis RR and N. Ohio St.
34	5 17	2	1	1	Kokomo East	T24N, R4E, 30 NW 1/4, SE 1/4	40°29'52"N/86°06'15"W	Northeastern most corner of Memorial Park Cemetery; 0.2 mi. due west of US 31.
34	6 13	2	1	1	Kokomo West	T24N, R3E, 36 NE 1/4, SW 1/4	40°28'43"N/86°08'30"W	Located on the NE edge of the Pond which is located between W. Harrison & W. Markland 1/2 mi. due east of Phillips St.

*Type of Disposal Site

(1) = 1 acre or less
(2) = 1-5 acres
(3) = More than 5 acres

**Type of Material

(1) = Trash/Garbage
(2) = Demolition Materials
(3) = Masonry/Concrete
(4) = Industrial Wastes
(5) = Other

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
34	7 11	5	1	1	Kokomo West	T23N, R3E, 1 NW 1/4, NW 1/4	40°27'54"N/86°07'42"W	Located directly S of the Factory complex, Approx. .1 mi. N of Kokomo Creek at W State St.
34	8 23	5			Kokomo West	T23N, R3E, 2 SE 1/4, NE 1/4	40°27'44"N/86°07'57"W	.3 mi W of fork in Wildcat Creek, directly south of factory complex

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
36	1 12	3	1	1	Azalia	T7N, R6E, 27 NW-1/4, NE-1/4,	39°01'38"N/85°05'25"W	Between RR tracks and I-65; dump located adjacent to tracks.
36	2 21	8	1	4	Seymour	T6N, R5E, 25 NE-1/4, NW-1/4	38°56'07"N/85°55'18"N	.23 mi. west of the N/S Runway, .25 mi. south of the Von Fange Ditch (Seymour Recycling Site)
36	3 29	4	1	4	Medora	T5N, R2E, 24 NW-1/4, SE-1/4	38°51'10"N/86°14'46"W	.1 mi. east of bend in county road, .8 mi. south of Guthrie Creek (Wolcott Site)
*Type of Disposal Site		**Type of Material						
(1) = 1 acre or less		(1) = Trash/Garbage						
(2) = 1-5 acres		(2) = Demolition Materials						
(3) = More than 5 acres		(3) = Masonry/Concrete						
		(4) = Industrial Wastes						
		(5) = Other						

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
41	1	5	1	1	Bargersville	T13N, R4E, 18 NE-1/4, NE-1/4	39°34'40"N/86°07'30"W	East side of 125 W Rd, 1/8 mi. south of intersection of 700 N & 125W.
41	2	4	1	1	Greenwood	T13N, R4E, 16 SE-1/4, SE-1/4,	39°33'55"N/86°05'33"W	On 600 North Road between Penn Central and Highway 31.
41	3	3	1	1	Greenwood	T13N, R4E, 17 SE-1/4, SW-1/4,	39°34'20"N/86°06'20"W	Adjacent to pond on Grassy Creek, north of 600 North Road between 75 West Rd. and 700 N. Rd.
41	4	3	2	1	Greenwood	T12N, R4E, 5 NE-1/4, SW-1/4,	39°31'03"N/86°07'03"W	Gravel pit west of 75 West Rd., north of 200 North Rd., just south of Youngs Creek.
41	5	4	1	1	Franklin	T11N, R4E, 5 NE-1/4, SW-1/4,	39°23'12"N/86°07'00"W	NW of intersection of 375 South Rd. and 25 West Road.
41	6	4	1	1	Franklin	T11N, R4E, 17 NE-1/4, SW-1/4,	39°23'00"N/86°06'27"W	SW of intersection of 550 S. Rd., and 50 W. Road on an intermittent stream.
41	7	3	2	1 4 1 4	Franklin	T12N, R4E, 22 NE-1/4, NW-1/4,	39°28'10"N/86°04'07"W	South of 44/144 junction, adjacent to County Home.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
41	8	2	1	1	Greenwood	T12N, R4E, 22 NE-1/4, NW-1/4,	39°31'12"N/86°04'34"W	West side of 31-65 across from 300 North Road T intersection.
41	9	4	1	1	Greenwood	T13N, R4E, 11 SE-1/4, NW-1/4,	39°35'32"N/86°03'38"W	Northwest of 750 N Rd and 250 E Rd. intersection; east of I-65.
41	10	3	2	1	Franklin	T12N, R4E, 23 NW-1/4, NW-1/4,	39°27'57"N/86°03'30"W Site 1	East of I-65, south of Youngs Creek, northwest of Greenwood Lawn Cemetery.
41	11	2	1	1	Franklin	T12N, R5E, 18 NW-1/4, NW-1/4,	39°29'07"N/86°01'31"W	Southwest of intersection between I-6 and 100 N. Rd.
41	12	3	1	1	Marietta	T11N, R5E, 4 NE-1/4, NW-1/4,	39°25'58"N/85°59'01"W	Adjacent to Sugar Creek, Southwest of 300 S. Rd. and 600 E. Rd. junction.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
43	1 53	4	1	1	Bourbon	T33N, R4E, 26 SW 1/4, NE 1/4	41°16'57"N/86°02'03"W	.04 mi. N of 350 North Road, .38 mi. W of 950 West Road.
43	2 50	7	1	1	Atwood	T33N, R5E, 32 SW 1/4, SE 1/4	41°15'39"N/85°58'06"W	.05 mi. E of 650 West Road., .11 N of The intersection of 650 West Road and 200 North Road.
43	3 47	4	1	1	Atwood	T32N, R5E, 5 NE 1/4, NW 1/4	41°15'30"N/85°58'20"W	.05 mi. N of Penn RR, .3 mi E of 700 West Road.
43	4 35	3	2	1	Atwood	T33N, R5E, 33 SW 1/4, SW 1/4	41°15'38"N/85°57'32"W	.06 mi. N of 200 North Road., .1 mi. E of Pole Run Ditch
43	5 49	3	1	1	Atwood	T32N, R5E, 6 NW 1/4, NE 1/4	41°15'34"N/85°57'00"W	Located in old gravel pit. .16 mi. W of 700 West Road. .16 mi. S of 200 North Road.
43	6 44	3	1	1	Burket	T32N, R5E, 10 NE 1/4, NE 1/4	41°14'49"N/85°55'18"W	N. Bank of Tippecanoe, .12 mi. NE of the intersection of 100 North Road/Park Road. Located under utility line. .8 mi. south of U.S. 30.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
43	7 43	3	1	1	Warsaw	T32N, R6E, 7 NW 1/2, NE 1/4	41°14'48"N/85°52'13"W	.16 mi. S of SR 30 .4 mi. W of Union St.
43	8 40	3	1	1	Warsaw	T32N, R6E, 7 SE 1/4, NW 1/4	41°14'33"N/85°52'20"W	.45 mi. S of SR 30 .50 mi. W of Union St.
43	9 42	3	1	1	Warsaw	T32N, R6E, 7 SE 1/4, NW 1/4	41°14'37"N/85°52'20"W	.5 mi. W of Union St. .35 mi. S of SR 30.
43	10 45	3	1	1	Warsaw	T32N, R6E, 6 SW 1/4, SE 1/4	41°14'58"N/85°52'02"W	.05 mi. E of Fox Farm Rd. .05 mi. NE of Fox Farm Rd./ SR 30 intersection.
43	11 48	2	1	1	Leesburg	T32N, R6E, 5 NE 1/4, NW 1/4	41°15'34"N/85°51'23"W	.2 mi. W of SR 15 .25 mi. S of Lones Ditch, just S of Sub station.
43	12 41	2	1	1	Warsaw	SE 1/4, NW 1/4	41°14'37"N/85°51'16"W	Located on NE Side of Park at S end of Center Lake. .1 mi. W of SR 15.
43	13 46	4	1	1	Atwood	T32N, R6E, 6 SE 1/4, SW 1/4	41°15'03"N/85°52'34"	.58 mi. S of Fox Farm Rd., .65 mi. E of Drive In Theater.
43	14 37	5	1	1	Warsaw	T32N, R6E, 31 NE 1/4, SW 1/4	41°10'54"N/85°52'20"W	.13 mi. E of SR 15 .05 mi. W of New York Central RR. .15 mi. S of 350 S. Road.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
43	15 38	4	1	1	Burket	T32N, R5E, 12 SE 1/4, SE 1/4	41°14'05"N/85°53'00"W	.06 mi. N of SR 25 .11 mi. E of 225 West Road.
43	16 39	3	1	1	Burket	T32, R5E, 12 NW 1/4, SE 1/4	41°14'25"N/85°53'12"W	.05 mi. W of 225 West, .5 S of SR 30
43	17 51	3	1	1	Atwood	T33N, R5E, 25 NE 1/4, SE 1/4	41°15'59"N/85°53'05"W	.1 W of 200 West Rd., .4 mi. N of 300 North Road.
43	18 53	4	1	1	Atwood	T33N, R5E, 25 SE-1/4, NE-1/4	41°17'18"N/85°53'05"W	.06 mi. W of 200 West Rd. .24 mi. S of 400 North Rd.
43	19 55	3	1	1	Atwood	T33N, R5E, 12 SW 1/4, NE 1/4	41°19'50"N/85°53'02"W	.41 mi. W of 200 West Rd., .35 mi S of 700 North Rd.
43	20 54	4	1	1	Leesburg	T33N, R6E, 16 NW 1/4, NW 1/4	41°19'14"N/85°48'35"W	.05 mi. E of Old State Rd. .12 mi. N of 575 North Rd.
43	21 62	6	1	1	Millford	T34N, R6E, 9 SW 1/4, NW 1/4	41°24'58"N/85°50'37"	Adjacent to marshy area; 0.1 mi. due west of old State Rd.; 0.7 mi. due east of N.Y. Centre RR tracks
43	22 58	4	1	1	Millford	T34N, R7E, 7 NW 1/4, SW 1/4	41°22'50"N/85°45'58"W	0.09 mi. west of bend in Kern Rd.
43	23 61	4	1	1	Lake Wawasee	T34N, R7E, 8 NW 1/4, SW 1/4	41°24'45"N/85°44'55"W	0.1 mi. west of SR 13; SW of bend in Skinner Ditch.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
45	1	10	3	4	Gary	T37N, R8W, 35-36	41°37'14"N/87°18'08"W	Large site extending across Sec. 35 and halfway across Sec. 36. Lake Michigan shoreline between 34 and 35 to termination of RR tracks midway thru Sec. 36.
45	2	5			Portage	T36N, R7W, 9 SW-1/4, NW-1/4	41°35'15"N/87°14'14"W	Between pipeline and Little Calumet River; 0.15 east of US 6.
45	3	7			Portage	T36N, R7W, 16 NW-1/4, SW-1/4	41°34'19"N/87°14'27"W	Between Deep River and 16/17 section lines, east of light duty road.
45	4	3			Portage	T36N, R7W, 20 SW-1/4, NE-1/4	41°33'36"N/87°14'52"W	<0.1 mi. due north of Deep River, 0.35 mi. due west of US6
45	5	3	1	1	Gary	T36N, R7W, 19 SE-1/4, SE-1/4	41°33'12"N/87°15'42"W	Immediately north of Crown Hill Cemetery; 0.1 mi. due west of Lake Park Ave.
45	6	5			Gary	T36N, R7W, 19 NW-1/4, SE-1/4	41°33'27"N/87°15'55"W	NW of Hobart Sky Ranch, at end of dirt road where it turns north.
45	7	3			Portage	T36N, R7W, 32 NE-1/4, NE-1/4	41°31'58"N/87°14'40"W	Immediately due south of intersection between Elgin, Joliet & Eastern RR and Penn Central/Norfolk & Western R
*Type of Disposal Site (1) = 1 acre or less (2) = 1-5 acres (3) = More than 5 acres					**Type of Material (1) = Trash/Garbage (2) = Demolition Materials (3) = Masonry/Concrete (4) = Industrial Wastes (5) = Other			

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
43	24 60	1	1	1	Lake Mawasee	T35N, R7E, 8 SW-1/4, SW-1/4	41°24'31"N/85°44'50"W	At the intersection (NE quadrant) of Skinner Ditch and 1200 N. Rd.
43	25 59	3	1	1	Lake Mawasee	T34N, R7E, 21 NE-1/4, NE-1/4	41°23'27"N/85°42'42"W	On line between Sections 21 and 22, .5 mi. due east of 650 E. Rd.
43	26 56	5	1	1	North Webster	T34N, R7E, 25 NW-1/4, SE-1/4	41°22'18"N/85°47'04"W	About .15 mi. east of Papakeeche Lake .15 mi SE of bend in medium-duty road.
43	27 57	5	1	1	Lake Mawawee	T34N, R7E, 25 NW-1/4, NE-1/4	41°22'38"N/85°39'32"W	Just north of SR 8, .3 mi. west of Kosciusko/Noble county line, about .5 mi. east of Papakeeche Lake.
43	28 63	4	1	1	Millford	T34N, R7E, 6 NE-1/4, SW-1/4	41°33'10"N/85°45'37"W	.36 mi. north of 1300 N. Rd., on west bank of small creek, .42 mi. east of Range Line.

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45	8	4	1	1	Gary	T36N, R7W, 29 SW-1/4, SW-1/4	41°32'20"N/87°15'28"W	0.1 mi. NE of Penn Central RR and Lake Park Ave. intersection along SW side of lake.
45	9	5	1	1	Gary	T35N, R7W, 7 NE-1/4, NE-1/4	41°30'18"N/87°15'42"W	0.12 mi. west of Lake Park Ave., NE of pipeline.
45	10	9	1	1	Gary	T35N, R8W, 1 SW-1/4, SW-1/4	41°30'28"N/87°17'48"W	Located at very corner (SW) of Sec. 1 just north of 61st Ave. & Hobart Corp. Boundary.
45	11	4	1	1	Gary	T36N, R7W, 19 SW-1/4, NW-1/4	41°33'42"N/87°16'36"W	<0.1 mi. south of Deep River; 0.1 mi. due west of Dekalb St.
45	12	2	3	1	Gary	T36N, R7W, 7 SW-1/4, NE-1/4	41°35'15"N/87°15'58"W	At east tip of 602 Ave..25 mi. S of toll road.
45	13	5	3	1	Gary	T36N, R8W, 2 SE-1/4, SW-1/4	41°35'44"N/87°18'40"W	Immediately north of Norfolk & Western RR as it parallels the 2/11 section line; 0.3 mi. west of I-90.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/° Longitude	Directions to Site
45	14	5	1	1	Gary	T36N, R8W, 14 NW-1/4, NW-1/4	41°34'40"N/87°18'54"W	Along two dirt roads, perpendicular to Mississippi St.
45	15	1	2	1	Gary	T36N, R8W, 23 SW-1/4, SW-1/4	41°33'32"N/87°18'51"W	0.2 mi. north of Gary Technical Vocational School; 0.2 mi. from I65.
45	16	3	1	1	Gary	T36N, R8W, 14 SW-1/4, SW-1/4	41°33'58"N/87°18'53"W	Just north of Gary, Hobart Corporate boundary along transmission lines.
45	17	5	2	1	Gary	T36N, R8W, 26 SW-1/4, NE-1/4	41°32'43"N/87°18'00"W	Immediately south of Ridge View Sch. at end of light duty road.
45	18	5	2	1	Crown Point	T34N, R8W, 17 NW-1/4, SW-1/4	41°23'47"N/87°22'18"W	.18 mi. west of South Count St. .22 mi. south of Fancher Lake.
45	19	2	3	1	Crown Point	T35N, R8W, 17, NW-1/4, NW-1/4	41°29'54"N/87°22'15"N	.2 mi. west of the Calumet Park Cemetery. .3 mi. north of 73rd Ave.
45	20	5	2	1	Gary	T35N, R8W, 2 SW-1/4, SW-1/4	41°30'29"N/87°18'56"W	.2 mi. east of I65. .05 mi. north of 61st Ave.
45	21	5	1	1	Gary	T36N, R8W, 21 NE-1/4, NW-1/4	41°33'49"N/87°21'03"W	.3 mi. east of SR 55. .4 mi. south of I 80-94.
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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
45	22	4	1	1	Highland	T36N, R8W, 19 SW-1/4, SE-1/4	41°33'08"N/87°22'45"W	.12 mi. south of the Norfolk & Western RR, just north of the trail park which is located on Park Ridge Rd.
45	23	10			Highland	T36N, R8W, 18 SE-1/4, SE-1/4	41°34'05"N/87°22'40W	Located .2 mi. south of the tri-state highway, 1 mi. east of Clark.
45	24	4			Gary	T36N, R8W, 10 NE-1/4, NW-1/4	41°35'34"N/87°19'53"W	.3 mi. east of SR 53, .05 mi. south of Indiana Harbor Belt RR.
45	25	6	3	1	Highland	T37N, R8W, 31 NE-1/4, NE-1/4	41°37'28"N/87°22'33"W	.05 mi. north of the northside of the E.J. E. RR. .28 mi. SE of the slag dump in the area.
45	26	4	1	1	Highland	T36N, R8W, 7 NW-1/4, SE-1/4	41°35'10"N/87°23'05"W	Located directly east of Whitcomb St. .25 mi. south of the intersection at Whitcomb & W. 15th Avenue.
45	27	3	1	1	Highland	T36N, R9W, 12 SE-1/4, SW-1/4	41°35'04"N/87°24'29"W	Located in the sand pit approx. .28 mi west of Burr St., .35 mi. south of west 15th Ave.
		*Type of Disposal Site		**Type of Material				
		(1) = 1 acre or less		(1) = Trash/Garbage				
		(2) = 1-5 acres		(2) = Demolition Materials				
		(3) = More than 5 acres		(3) = Masonry/Concrete				
				(4) = Industrial Wastes				
				(5) = Other				

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
45	26	1	1	1	Gary	T36N, R8W, 17 NE-1/4, SE-1/4	41°34'13"N/87°21'41"W	Near SR 55, Tri-state HW Interchange. .05 mi. north of Tri-state HW (80-94) .25 mi. west of SR 55.
45	29	3	1	1	Gary	T36N, R8W, 17 NE-1/4, SW-1/4	41°34'22"N/87°22'00"W	.2 mi. north of I 80-94. .6 mi. west of SR 53.
45	30	4	1	1	Gary	T36N, R8W, 28 SE-1/4, SW-1/4	41°32'23"N/87°21'03"W	Just west of Oak Hill Cemetery, .25 mi. east of Grant St., .2 mi. north of 45th Ave.
45	31	2	1	1	Highland	T35N, R8W, 6 SE-1/4, SE-1/4	41°30'28"N/87°22'43"W	Located directly north of the Grand Trunk RR. .65 mi. east of the intersection of the pipelines and the Johnson Ditch.
45	32	4	1	1	Highland	T36N, R8W, 31 SW-1/4, SW-1/4	41°31'27"N/87°23'29"W	Located directly south of the Jolie and Eastern RR. .37 mi. west of the intersection of the Elgin Joliet and Eastern RR & the Johnson Ditch.
45	33	3	1	1	Highland	T36N, R8W, 31 SW-1/4, SE-1/4	41°31'36"N/87°23'01"W	.2 mi. north of the EJ & E RR. Directly west of the small southern pond in the area.

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 (3) = More than 5 acres

**Type of Material

- (1) = Trash/Garbage
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 (3) = Masonry/Concrete
 (4) = Industrial Wastes
 (5) = Other

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/° Longitude	Directions to Site
45	34	2	1	1	St. John	T35N, R8W, 31 SW-1/4, NW-1/4	41°26'47"N/87°23'30"W	Just west of Penn RR and just east of Clark St., .45 mi. south of 91st Ave.
45	35	3	1	1	St. John	T34N, R8W, 19 SE-1/4, NW-1/4	41°23'09"N/87°23'04"W	.4 mi. east of Clark St., .7 mi. north of 133 D. Ave., .2 mi. west of Reeder Rd.
45	36	6	1	1	Leroy	T33N, R8W, 29 NE-1/4, SW-1/4	41°16'50"N/87°21'52"W	.7 mi. south of SR 2, .45 mi. east of Chase St.
45	37	3	1	1	Lowe11	T33N, R9W, 26 NW-1/4, NE-1/4	41°17'13"N/87°25'00"W	.2 mi. east of Monon RR, .35 mi. south of 181 St. Ave., just east of Cedar Cr.
45	38	3			Lowe11	T33N, R9W, 3 NE-1/4, NE-1/4	41°20'51"N/87°26'08"W	.35 mi. east of Monon RR, .7 mi. north of 155th St.
45	39	3			Lowe11	T33N, R9W, 3 NE-1/4, SE-1/4	41°20'28"N/87°25'58"W	.1 mi. east of Monon RR, .25 mi. north of 155th Ave.
45	40	3	1	1	St. John	T35N, R9W, 14 NW-1/4, SW-1/4	41°29'02"N/87°25'45"W	.15 mi. east of Cline Ave., .15 mi. north of SR 30.
45	41	2	1	1	St. John	T35N, R9W, 11 SW-1/4, SW-1/4	41°29'45"N/87°25'40"W	.05 mi. west of SR 73, .25 mi. north of Joliet St.

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- (1) = 1 acre or less
(2) = 1-5 acres
(3) = More than 5 acres

**Type of Material

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County Code	Site No.	No. of Sides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
45	42	4	1	1	St. John	T35N, R9W, 14 NE-1/4, NE-1/4	41°29'25"N/87°24'57"W	.3 mi. SE of Joliet St., Fairbanks St. intersection. .15 mi. due south of Joliet St.
45	43	3	2	1	Highland	T36N, R9W, 36 SW-1/4, SW-1/4	41°31'30"N/87°24'37"W	Located directly east of the intersection of the Penn Central RR & the EJ & E RR and Colfax St.
45	44	5	2	1	Highland	T36N, R9W, 11 SW-1/4, NW-1/4	41°35'30"N/87°25'43"W	.21 mi. east of the Gary Corp. boundary .2 mi. north of W. 15th Ave.
45	45	2	1	1	Highland	T36N, R9W, 11 NE-1/4, NW-1/4	41°35'28"N/87°25'15"W	1/2 mi. east of SR 912. .38 mi. north of West 15th St.
45	46	1	2		Highland	T36N, R9W, 35 NE-1/4, SW-1/4	41°36'38"N/87°25'44"W	.15 mi. north of the toll road. .23 mi. east of the intersection of SR 912 and the toll road.
45	47	2	2		Whiting	T37N, R9W, 26 NW-1/4, SE-1/4	41°37'42"N/87°25'15"W	.1 mi. south of Chicago Av., industrial highway, intersection.
45	48	3	1		Whiting	T37N, R9W, 26 NE-1/4, SE-1/4	41°37'47", 87°24'50"W	.15 mi. SE of Norfolk & Western, Penn Central intersection (Clarke Junction).
*Type of Disposal Site (1) = 1 acre or less (2) = 1-5 acres (3) = More than 5 acres					**Type of Material (1) = Trash/Garbage (2) = Demolition Materials (3) = Masonry/Concrete (4) = Industrial Wastes (5) = Other			

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
45	49	4	3	4	Whitting	R9W, T37N, 10 SE-1/4, NE-1/4	41°40'40"N/87°26'05"W	Slag dump .35 mi. southeast of Indiana Harbor's most N. light. Located in behind levee.
45	50	3	3	1	Highland	R9W, T37N, 33 NW-1/4, SW-1/4	41°36'50"N/87°28'17"W	Located just west of tank field, .2 mi. north of toll road.
45	51	2	2	1	Highland	R9W, T37N, 33 NE-1/4, NW-1/4	41°36'58"N/87°27'48"W	.4 mi. north of toll road and .15 mile west of Kennedy Ave.
45	52	4	2	1	Highland	R9W, T36N, 4 NE-1/4, SW-1/4	41°36'28"N/87°27'28"W	.2 mi. east of Kennedy Ave. and .25 mi. south of toll road.
45	53	8	1	1	Lowe11	T33N, R9W, 28 NE-1/4, NW-1/4	41°17'15"N/87°27'34"N	.05 mi. west of New York Central RR, .2 mi. south of SR 2.
45	54	9	1	1	Lowe11	T33N, R9W, 21 SW-1/4, SE-1/4	41°17'33"N/87°27'23"W	.1 mi. east of New York Central RR, .2 mi. north of SR 2.
45	55	7	1	1	Beecher East	T33N, R15E, 18 SE-1/4, SW-1/4	41°18'22"N/87°30'08"N	.4 mi. south of 169th Ave., .3 mi. east of West Creek.
45	56	7	1	1	Beecher East	T34N, R10W, 25 SE-1/4, SE-1/4	41°21'56"N/87°30'45"W	.7 mi. east of Illinois-Indiana border, .8 mi. north of Calumet Ave.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
45	57	7	1	1	Beecher East	T34N, R10W, 25 NW-1/4, SE-1/4	41°22'05"N/87°30'53"W	.6 mi. east of Illinois-Indiana border, .9 mile north Calumet Ave.
45	58	6	1	1	Dyer	T35N, R10W, 25 NE-1/4, SW-1/4	41°27'22"N/87°31'30"W	.05 east of Illinois-Indiana border, .2 mi. north of 93rd Ave.
45	59	4	1	1	Calumet City	T35N, R10W, 12 NW-1/4, SE-1/4	41°30'04"N/87°30'57"W	.2 mi. east of Sheffield Ave., .5 mi. south of 213th Street.
45	60	4	1	1	Calumet City	T36N, R9W, 31 SW-1/4, NW-1/4	41°32'02"N/87°30'18"W	.35 mi. east of Sheffield Ave., .3 mi. south of Penn Central RR, located near clay pits.
45	61	4	2	1	Calumet City	T36N, R9W, 6 SW-1/4, SW-1/4	41°35'52"N/87°30'19"W	.2 mi. east of US 41 (Calumet Ave.), .05 mi. south of Kenwood St., just east of Erie-Lackawanna RR.
45	62	1	1	1	Highland	T36N, R9W, 6 SW-1/4, SE-1/4	41°35'50"N/87°29'45"W	.3 mi. north of 167th St., .8 mi. west of US 20.
45	63	4	2	1	Highland	T36N, R9W, 6 SE-1/4, NE-1/4	41°36'16"N/87°29'34"W	.85 mi. north of 167th St., .6 mi. west of US 20.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
45	64	4	2	1	Calumet City	T37N, R10W, 36 SW-1/4, SE-1/4	41°36'49"N/87°31'00"W	.15 mi. west of Soh1 Ave., .1 mi. south of north edge of RR yard.
45	65	3	1	1	Lake Calumet	T37N, R10W, 25 SE-1/4, SW-1/4	41°37'41"N/87°31'11"W	.1 mi. west of Sheffield Ave., .8 mi. south of Chicago St.
45	66	5	2	1	Lake Calumet & Whiting	T37N, R9W, 19 NE-1/4, SW-1/4	41°38'44"N/87°29'49"W	.9 mi. west of Indianapolis Blvd. .5 mi. north of Columbus Dr. (extension).
45	67	1	2	1	Whiting	T37N, R9W, 18 NW-1/4, NE-1/4	41°39'59"N/87°29'45"W	.41 mi. north of 129th St., .19 mi. west of New York Ave
45	68	2	2	1	Whiting	T37N, R9W, 18 SW-1/4, NE-1/4	41°39'50"N/87°29'49"W	In Slag dump .22 mi. north of 129th St., .28 mi. west of New York Ave.
45	69	3	2	4	Whiting	T37N, R9W, 7 NW-1/4, SE-1/4	41°40'24"N/87°29'53"W	.33 mi. west of Indianapolis Blvd., .42 mi. south of 119th St.
45	70	5	2	4	Whiting	T37N, R9W, 8 SE-1/4, NW-1/4	41°40'43"N/87°29'01"W	.32 mi. east of Oak Ave., .72 mi. north of the south boundary line of Sec. 8.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
45	71	3	2	1	Whiting	T37N, R9W, 29 NW-1/4, SW-1/4	41°38'02"N/87°29'20"W	In an area around 87°29'20"W, Scattered over an area just north of 145th St., just east of the East Chicago Corp. boundary.
45	72	1	1	1	Whiting	T37N, R9W, 20 SW-1/4, SW-1/4	41°38'29"N/87°29'11"W	.35 mi. west of Indianapolis Blvd., .18 mi. north of Columbus Drive extension.
45	73	2	2	1	Whiting	T37N, R9W, 30 SE-1/4, NE-1/4	41°38'08"N/87°29'40"W	In marshy area, 0.5 mi. northeast of intersection of Chicago Ave. and Ind. E-W toll road.
45	74	3	2	4	Whiting	T37N, R9W, 9 NE-1/4, SE-1/4	41°40'32"N/87°26'72"W	About 1/2 mi. south of substation; .6 mi. west of Indiana Harbor, in one of the bay areas.
45	75	4	2	1	Highland	T36N, R9W, 5 SE-1/4, NW-1/4	41°36'18"N/87°28'49"W	Located .09 mi. west of Indianapolis Blvd. .6 mi. south of the South Shore RR.
45	76	3	1	1	Highland	T36N, R9W, 4 SW-1/4, NW-1/4	41°36'14"N/87°28'15"W	.55 mi. east of Indianapolis Blvd. .55 mi. south of the South Shore RR.

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45	77	3	1	1	Highland	T36N, R9W, 17 NE-1/4, SE-1/4	41°34'26"N/87°28'29"W	.05 mi. south of Tri-state Highway, .4 mi. east of the intersection of the Tri-state Highway and the Erie-Lackawanna RR.
45	78	3	1	1	Highland	T36N, R9W, 15 NW-1/4, SW-1/4	41°34'17"N/87°26'52"W	Located .3 miles south of the Tri-state Highway., .82 mi. west of Cline Ave.
45	79	4	1	1	Highland	T35N, R9W, 5 NE-1/4, SE-1/4	41°30'49"N/87°28'26"W	Located .2 mi. west of Wicker Park Blvd. .78 mi. south of the Schererville Corp. boundary.
45	80	4	1	1	Highland	T35N, R9W, 4 SE-1/4, NE-1/4	41°30'53"N/87°27'20"W	.82 mi. east of the Penn Central RR, .1 mi. north of the EJ & E, Penn Central RR.
45	81	2	1	1	Highland	T35N, R9W, 9 SW-1/4, NW-1/4	41°30'11"N/87°27'50"W	Scattered over an area adjacent to the Penn Central Tracks. .4 mi. south of the RR intersection near Hartsdale. Just north of sewage plant in the area.

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45	82	3	1	1	St. John	T35N, R9W, 9 SW-1/4, NW-1/4	41°29'45"N/87°27'56"W	Along RR tracks running N-S thru center of SW-1/4 of Sec. 9 along east and west sides of NY Central RR tracks about 0.25 mi. east of 141.
45	83	4	1	1	St. John	T35N, R9W, 33 SW-1/4, NW-1/4	41°26'45"N/87°28'08"W	Located .10 mi. east of Highway 41, .4 mi. south of the intersection of Highway 41 & Joliet St.
45	84	5	1	1	St. John	T35N, R9W, 33 SW-1/4, NW-1/4	41°26'35"N/87°28'07"W	.10 mi. east of Highway 41, .43 mi. south of the south part of Highway 41 and Joliet St. intersection.
45	85	3	1	1	St. John	T35N, R9W, 28 SW-1/4, SW-1/4	41°23'05"N/87°28'10"W	.05 mi. east of Highway 41, .1 mi. north of 93rd Ave. and Highway 41 intersection.
45	86	6	1	1	St. John	T34N, R9W, 4 SW-1/4, SW-1/4	41°25'19"N/87°28'08"W	.08 mi. east of Highway 41, .1 mi. south of the intersection of Highway way & Highway 231.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
45	87	6	1	1	St. John	T34N, R9W, 9 NW-1/4, NW-1/4	41°25'03"N/87°28'08"W	Located .05 mi. east of Highway 41, .35 mi. south of 109th Ave. and Highway 41 intersection.
45	88	5	1	1	St. John	T34N, R9W, 16 NW-1/4, SW-1/4	41°23'45"N/87°28'09"W	Located .05 mi. east of Highway 41, .9 mi. south of 117th Ave. and Highway 41 intersection.
45	89	5	1	1	St. John	T34N, R9W, 16 SW-1/4, NW-1/4	41°24'00"N/87°28'00"W	Located .12 mi. east of Highway 41, .5 mi. south of intersection of 117th Ave. and Highway 41.
45	90	10	1	1	Highland	T36N, R8W, 18 NE-1/4, SE-1/4	41°34'15"N/87°22'33"W	0.2 mi. south of the Tri-state Highway 1 mi. east of Clark.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
46	1 47	6	1	1	LaPorte West	T37N, R4W, 35 NE-1/4, SE-1/4	41°36'53"N/86°50'16"W	.1 mi. east of Pin-hook Bog off dirt rd., .1 mi. NW of intersection of 180 90 toll road and 701 W. Rd.
46	2 55	2	1	1	Michigan City East	T37N, R4W, 10 SE-1/4, NE-1/4	41°40'32"N/86°51'28"W	.9 mi. east of 900 W. Rd., .35 mi. south of PAHS Rd.
46	3 32	5	2	1	Michigan City West	T38N, R4W, 28 NW-1/4, NE-1/4	41°43'20"N/86°52'50"W	.23 mi. south of US 12. .38 mi. east of the intersection at Michigan St. and the N & W RR.
46	4 41	5	1	1	New Carlisle	T38N, R1W, 33 NW-1/4, NW-1/4	41°32'29"N/86°32'37"W	.2 mi S of 700 North Rd., .3 mi. Sw of intersection of NY Central RR & 700 N Rd.
46	5 61	5	1	1	New Carlisle	T38N, R1W, 32 SE-1/4, NW-1/4	41°42'68"N/86°33'21"W	.3 mi. south of 700 N. Rd., .6 mi. east of Emery Rd.
46	6 31	4	2	1	New Carlisle	T38N, R1W, 30 SW-1/4, NW-1/4	41°43'08"N/80°34'47"W	.2 mi. east of 600 E. Rd., .5 mi. W. of Emery Rd.
46	7 57	6	1	1	New Carlisle	T37N, R2W, 1 SW-1/4, SE-1/4	41°41'01"N/86°35'29"W	.4 mi. west of 600 E. Rd., .1 mi. north of Highway extension that lies in SE corner of S. 1.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
46	8 56	9	1	1	New Carlisle	T37N, R2W, 11 NE-1/4, NE-1/4	41°40'37"N/86°36'23"W	.1 mi. south of intersection of 500 east and highway extension .5 N of US 20.
46	9 54	4	1	1	New Carlisle	T37N, R2W, 11 NE-1/4, SW-1/4	41°40'14"N/86°36'41"W	.1 mi. north of 400 East, .2 mi. south of highway extension .1 mi. west of NY Central RR.
46	10 52	3	1	1	Springville	T37N, R2W, 17 SE-1/4, SE-1/4	41°39'08"N/86°39'50"W	.2 mi. SW of 175 E. .6 mi. S of 350 N.
46	11 49	3	1	1	Springville	T37N, R2W, 29 SE-1/4, NW-1/4	41°37'59"N/86°40'18"W	.1 mi. N of 150 N. .3 mi. S of SR 20
46	12 27	4	2	1	LaPorte East	T37N, R2W, 31 NW-1/4, SE-1/4	41°36'40"N/86°39'09"W	.1 mi. E of Boyd B1 .3 N of Ohio St.
46	13 13	4	1	4	LaPorte East	T37N, R2W, 32 SW-1/4, SE-1/4	41°36'31"N/86°39'59"W	.2 mi. N of Divisio Rd., .6 E. of Fall Rd.
46	14 15	3	3	1	LaPorte East	T36N, R2W, 31 SE-1/4, SW-1/4	41°31'15"N/86°31'41"W	.3 mi. E of US 39. .3 mi. N of 600 S.R
46	15 21	6	2	1	LaPorte East	T35N, R2W, 5 SE-1/4, NW-1/4	41°30'50"N/86°40'08"W	.3 mi. S of 600 S R .1 mi. W of Light Duty Rd.
46	16 20	5	2	1	LaPorte East	T35N, R2W, 5 NW-1/4, SE-1/4	41°30'42"N/86°40'02"W	.6 mi. S of 600 S R .1 mi. W of Light Duty Rd.

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46	17 38	3	1	1	Kingsford Hts.	T35N, R2W, 18 NW-1/4, NW-1/4	41°29'20"N/86°41'43"W	.2 mi. E of Range R .8 mi. W of US 36
46	18 19	5	2	1	Kingsford Hts.	T35N, R2W, 19 SE-1/4, NW-1/4	41°28'25"N/86°41'38"W	.4 mi. E of Range R .3 S. of Road
46	19 35	6	1	1	Kingsford Hts.	T35N, R3W, 24 SE-1/4, NE-1/4	41°28'13"N/86°42'16"W	.3 mi. W of Range R .7 mi. E of 100 W Rd
46	20 37	5	1	1	Hamlet	T35N, R2W, 15 NE-1/4, NE-1/4	41°29'16"N/86°37'14"W	.3 mi. S of Tracy Rd .7 mi. N of US 6.
46	21 22	5	2	1	LaPorte East	T36N, R2W, 34 SE-1/4, NW-1/4	41°31'28"N/86°37'51"W	.4 mi. S of 500 S .7 E of 300 E. Rd.
46	22 39	7	1	1	LaPorte East	T36N, R2W, 33 SE-1/4, NE-1/4	41°31'36"N/86°38'25"W	.45 S. of 500 S. .2 E of 300 E. Rd.
46	23 43	8	1	1	LaPorte East	T36N, R3W, 13 SW-1/4, SE-1/4	41°33'35"N/86°42'30"W	.4 mi. W of US 35 .48 mi. S of 250 S .3 mi. E of 75 W Rd.
46	24 48	6	1	1	LaPorte East	T37N, R3W, 31 SW-1/4, NW-1/4	41°37'00"N/86°41'40"W	.3 Mi. W of Boyd Rd .2 N of Jefferson Av
46	25 59	6	1	1	Springville	T37N, R3W, 3 NE-1/4, NE-1/4	41°41'25"N/86°44'33"W	.4 mi. W of SR 39. .2 mi. N of US 20.
46	26 50	4	1	1	Springville	T37N, R3W, 27 NE-1/4, NE-1/4	41°38'07"N/86°44'30"W	.1 mi. N of US 35 .2 mi. W of SR 39
46	27 51	4	1	1	Springville	T37N, R3W, 22 SE-1/4, SE-1/4	41°38'12"N/86°44'23"W	1.5 mi. W of SR 39 .3 mi. S of Severs Rd.

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County Code	Site No.	No. of Sides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
46	28 28	6	2	1	Springville	T37N, R3W, 26 NW-1/4, NW-1/4	41°37'56"N/86°43'59"W	.1 mi. SW of McClun Rd., .3 E of Indian SR 39.
46	29 45	4	1	1	LaPorte East	T37N, R3W, 34 SE-1/4, SE-1/4	41°36'30"N/86°44'18"W	.5 mi. SW of Centra Ave., .1 N of 1st S
46	30 46	5	1	1	LaPorte West	T37N, R3W, 33 NW-1/4, SE-1/4	41°36'50"N/86°45'50"W	.47 mi. N of Sma11 Rd., .47 mi. W of Garden St.
46	31 25	3	2	1	LaPorte East	T36N, R3W, 3 NE-1/4, SW-1/4	41°35'58"N/86°44'59"W	.5 mi. W of SR 2, .35 mi. S of 5th St.
46	32 24	4	2	1	LaPorte East	T36N, R3W, 11 NW-1/4, NW-1/4	41°35'27"N/86°44'17"W	.05 mi. S of 18th S .2 mi. W of SR 39
46	33 53	3	1	1	Michigan City East	T37N, R3W, 7 SE-1/4, SW-1/4	41°39'57"N/86°48'38"W	.29 mi. E of 600 W Rd., .44 mi. S of 450 N. Rd.
46	34 29	5	2	1	Michigan City East	T37N, R4W, 24 NE-1/4, NW-1/4	41°39'00"N/86°49'47"W	.08 mi. S of 300 N Rd., .67 mi. E of 725 W Rd.
46	35 58	4	1	1	Michigan City East	T37N, R4W, 2 SW-1/4, SE-1/4	41°41'01"N/86°50'30"W	.3 mi. S of US 20 (also SR 212), .33 mi. E of Johnson Rd.
46	36 4	8	3	4	Michigan City East	T38N, R4W, 23 SW-1/4, NW-1/4	41°43'58"N/86°51'15"W	.12 mi. S of US 12, .7 mi. E of Karwick Rd.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
46	37 62	8	1	1	Michigan City East	T38N, R4W, 27 SW-1/4, NW-1/4	41°43'02"N/86°51'37"W	.26 mi. W of Karwick Rd., .3 mi. S of Springland Ave.
46	38 6	8	2	4	Michigan City East	T38N, R4W, 27 SW-1/4, SE-1/4	41°42'38"N/86°51'45"W	.21 mi. N of US 35 .35 mi. E of Carroll Ave. on north bank of small creek.
46	39 14	8	1	4	Michigan City East	T38N, R4W, 34 NW-1/4, NE-1/4	41°42'31"N/86°51'51"W	.05 mi. N of US 35, .02 mi. E of city street, .28 mi. east of Carroll Ave.
46	40 5	8	2	4	Michigan City East	T38N, R4W, 34 NE-1/4, NW-1/4	41°42'33"N/86°51'59"W	.06 mi. N of US 35 .17 mi. E of Carroll Ave., north bank of creek.
46	41 60	4	1	1	Michigan City West	T37N, R4W, 31 SW-1/4, SE-1/4	41°42'01"N/86°55'08"W	N. side of ditch, .45 mi. W of Monon RR, .32 mi. S of state prison boundary.

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48	1 21	5	1	1	Lapel	T19N, R6E, 28 NW-1/4, SW-1/4	40°04'00"N/85°51'45"W	Just east of 1000 W. Rd., immediately north of Stony Cr., about 0.2 mi. south of SR 32.
48	2 20	5	1	1	Ingalls	T18N, R7E, 30 NE-1/4, SE-1/4	39°58'50"N/85°46'05"W	Near State Reformatory about 0.1 mi. SW of water tank, 0.1 mi. NW of Reformatory Rd., just south of intermittent stream.
48	3 25	6	1	1	Anderson South	T19N, R7E, 10 NE-1/4, SW-1/4	40°06'35"N/85°43'15"W	Intersection of W. 8th St. and north-bound road (West corner); across from sewage treatment plant, .35 mi. south of White River.
48	4 26	4	1	1	Anderson South	T19N, R7E, 9 NW-1/4, NE-1/4	40°07'00"N/85°44'08"W	West bank of White River about .2 mi. NE of Hamilton Rd.; several small sites
48	5 18	4	2	1	Anderson South	T19N, R6E, 18 SE-1/4, SE-1/4	40°05'33"N/85°39'24"W	Between Penn. & NY Cen. RR, tracks across from water tower, SW of intersection of SR 32 & Ohio Ave.
48	6 19	4	2	1	Anderson South	T19N, R7E, 12 SW-1/4, NE-1/4	40°06'48"N/85°03'13"W	About .02 mi. NW of Athletic Park across the White River; NE of Penn. RR tracks in depression.

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48	7 29	4	1	1	Alexandria	T21N, R8E, 19 NW-1/4, NW-1/4	40°15'35"N/85°40'08"W	NE of intersection of SR 9 and Chicago & St. Louis RR, next to pond.
48	8 33	4	2	1	Alexandria	T21N, R7E, 24 NE-1/4, NW-1/4	40°15'37"N/85°40'50"W	At intersection of NY Cent. & NY Chic. & St. Louis RR.
48	9 34	6	1	1	Anderson North	T20N, R7E, 18 NE-1/4, SW-1/4	40°10'57"N/85°39'43"W	SW of lake between road and lake, .2 mi. NE of medium duty road east of SR 9.
48	10 35	4	1	1	Anderson South	T19N, R8E, 17 NW-1/4, SW-1/4 - SE-1/4, SW-1/4	40°05'45"N/85°38'20"W	Adjacent to gravel pit, NE of intersection of SR 32 and Ohio Ave.

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49	241	9	2	1	Bridgeport	T15N, R2E, 33 NW-1/4, SW-1/4	39°41'41"/86°19'29"	.2 mi. west of Bridgeport Road, .25 mi. south of 450 South Rd.
49	532	9	1	1	Clermont	T16N, R2E, 27 SW-1/4, NE-1/4	39°48'06"/86°17'55"	.5 mi. west of School Rd., just west of Indiana Girls School, .53 mi. north of 21st St.
49	563	1	1	1	Clermont	T16N, R2E, 27 NE-1/4, NE-1/4	39°48'22"/86°17'25"	Just north of US 136, just west of School Rd. termination, .05 mi. south of Eagle Cr.
49	584	9	1	1	Clermont	T16N, R2E, 21 SE-1/4, SE-1/4	39°48'40"/86°18'41"	.23 mi. west of Club Rd., .15 mi. south of US 136.
49	595	6	1	1	Clermont	T16N, R2E, 22 NW-1/4, NE-1/4	39°49'13"/86°17'40"	.22 mi. south of W. 38th St., .12 mi. west of utility lines, .25 mi. east of Dandy Trail.
49	716	7	1	1 (Site Burning)	Zionsville	T17N, R2E, 15 NE-1/4, NE-1/4	39°55'28"/86°16'58"	.31 mi. west of N. 66th, .05 mi. south of W. 96th.
49	987	7			Clermont	T16N, R2E, 1 NE-1/4, SW-1/4	39°51'10"/86°15'44"	.3 mi. north of W. 56th, .5 mi. east of High School Rd.

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49	418	6			Clermont	T16N, R2E, 14 SW-1/4, SE-1/4	39°49'11"/86°16'46"	.1 mi. north of W. 38th, .2 mi. west of 465.
49	409	3			Clermont	T16N, R2E, 23 NW-1/4, SW-1/4	39°48'57"/86°17'10"	.1 mi. south of W. 34th, .55 w. of 465
49	8710	3			Clermont	T16N, R2E, 26 SE-1/4, NW-1/4	39°48'9"/86°17'01"	.1 mi. south of 136 southside of RR tracks, .3 mi. east of Girls School Rd.
49	8611	2			Clermont	T16N, R2E, 25 SW-1/4, SW-1/4	39°47'47"/86°15'59"	.2 mi. north of W. 21st, .4 east of 465, .1 south of RR
49	8612	2			Clermont	T16N, R2E, 26 NE-1/4, SW-1/4	39°48'3"/86°16'13"	.05 mi. SE of 136, .4 mi. north of W. 21st, .1 mi. NE of RR tracks.
49	313	5	1	1	Bridgeport	T15N, R2E, 27 SE-1/4, SE-1/4	39°42'28"/86°17'24"	.15 mi. north of Hanna Ave., .4 mi. east of Hoffman Rd.
49	3614	2	1	1	Bridgeport	T15N, R2E, 35 NW-1/4, SE-1/4	39°41'54"/86°16'27"	.25 mi. east of Kollman Rd., .57 mi. south of Hanna.
49	8215	7	3	5 (tires)	Maywood	T14N, R3E, 19 NE-1/4, SE-1/4	39°38'18"/86°14'06"	.3 mi. north of county line, .2 mi. east of White River (center of River)
49	8416	3	2	5 (tires)	Maywood	T14N, R3E, 19 NE-1/4, NE-1/4	39°38'50"/86°14'12"	.1 mi. east of East bank of White River in creek due west of junction with river.

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49	17	3	1	1	Maywood	T14N, R3E, 17 NW-1/4, NW-1/4	39°39'41"/86°13'56"	.2 mi. east of east bank of White River .11 mi. south of Southport Rd.
49	18	4	1	1	Maywood	T14N, R3E, 17 SE-1/4, NW-1/4	39°39'24"/86°13'33"	.05 mi. west of Lake Rd., .37 mi. south of Southport Rd.
49	19	4	1	1	Maywood	T14N, R3E, 8 SE-1/4, NW-1/4	39°40'02"/86°13'38"	.07 mi. south of White River, .07 mi west of pipeline, .3 mi. north of sewage plant.
49	20	5	1	1	Maywood	T15N, R3E, 17 SW-1/4, NW-1/4	39°44'40"/86°14'00"	.2 mi. south of Maple Grove School, .25 mi. east of I-7
49	21	2	1	4	Maywood	T15N, R3E, 17 SE-1/4, NE-1/4	39°44'47"/86°14'14"	.03 mi. east of PC RR, .2 mi. north of Minnesota St.
49	22	5	1	1	Indianapolis West	T16N, R3E, 29 SW-1/4, SE-1/4	39°47'54"/86°13'27"	.1 east of PC RR, .48 east of Tibbs Ave., .25 north of 21st St.
49	23	2			Indianapolis West	T16N, R3E, 4 SW-1/4, SE-1/4	39°51'26"/86°13'56"	.3 mi. north of Kessler Blvd., .35 mi. W. of Cooper Rd
49	24	4			Carmel	T17N, R3E, 29 SE-1/4, SW-1/4	39°53'07"/86°12'50"	.15 mi. north of 71st St., .2 mi. west of Northwestern Ave.

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49	25 ²⁸	4	2	1	Indianapolis West	T16N, R3E, 22 SE-1/4, SW-1/4	39°48'45"/86°11'15"	.2 mi. north of W. 30th St., .5 east of Pkwy. East Dr., next to river.
49	26 ⁸⁷	2			Indianapolis West	T16N, R3E, 26 NW-1/4, SW-1/4	39°47'55"/86°10'40"	.1 mi. east of Mont calm St., .15 SE of 23rd St., at intersection of canal and Fall Creek.
49	27 ⁴⁸	2	1	1	Indianapolis West	T15N, R3E, 10 NE-1/4, NE-1/4	39°45'54"/86°08'24"	.19 mi. south of US 40 (Wash. St.), .34 mi. east of Harding
49	28 ⁴	7	2	4	Maywood	T15, R3, 14 SW-1/4, SE-1/4	39°44'24"/86°09'57"	Under transmission line, .09 mi. south of Ind. Union RR, .11 mi east of W St.
49	29 ⁹	7	1	4	Maywood	T15, R3, 14 NE-1/4, SE-1/4	39°44'34"/86°09'40"	.06 mi. north of RR tracks, .37 mi. west of Madison Ave
49	30 ⁶³	7	2	4	Maywood	T15, R3, 14 SE-1/4, SE-1/4	39°44'21"/86°09'43"	.01 mi. west of Bluff Ave., .1 mi. north of Raymond St
49	31 ⁶³	7	1	1	Indianapolis West	T16N, R3E, 14 SW-1/4, SW-1/4	39°49'42"/86°10'35"	.18 mi. west of mausoleum, north of northern most road leading from mausoleum.

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49	32 ¹³	10	1	1	Indianapolis West	T17N, R4E, 36 NE-1/4, SW-1/4	39°52'25"/86°08'19"	Just SW of Shore Acres lake, .05 mi east of dam on Whit River.
49	33 ⁶⁴	7	1	1	Indianapolis West	T16N, R4E, 18 NW-1/4, SE-1/4	39°49'49"/86°07'36"	.2 mi. east of fair grounds track, .12 mi. south of SR 37 on east river bank
49	34 ⁵¹	5	1	1	Indianapolis West	T16N, R4E, 30 NW-1/4, NW-1/4	39°48'31"/86°08'18"	Just west of Monon RR, .15 mi. west of Douglas Park, .15 mi. S of 30th St
49	35 ³⁰	6	1	1	Indianapolis West	T15N, R4E, 6 NE-1/4, NW-1/4	39°46'43"/86°08'01"	NW of parking lot for Arsenal Tech HS .1 mi. east of city street, .05 south of footfield field.
49	36 ⁴⁹	6	1	1	Indianapolis West	T15N, R4E, 7 NE-1/4, NE-1/4	39°45'57"/86°07'31"	.03 mi. east of commercial bldg., .05 mi. N of RR tracks on dirt
49	37 ⁴⁷	6	1	1	Indianapolis West	T15N, R4E, 7 SE-1/4, NW-1/4	39°45'39"/86°07'54"	.05 mi. west of junction of RR tracks and State St between tracks on N and city st. on S
49	38 ⁴¹	6	1	1	Beech Grove	T15N, R4E, 20 NE-1/4, SW-1/4	39°43'45"/86°07'10"	West of dirt road, N of shack on golf course, .1 mi. east of Keystone Ave., .15 mi. south of Southern Ave.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
49	²² 39	6	2	1	Beech Grove	T14N, R4E, 20 NE-1/4, SE-1/4	39°38'32"/86°06'15"	At end of dirt rd. leading west of Sherman Ave., .1 mi north of Pleasant Run Creek.
49	²³ 40	5	2	1	Beech Grove	T14N, R4E, 16 NW-1/4, NE-1/4	39°39'45"/86°05'25"	South (.02 mi.) of Hendricks Ditch, .5 mi. west of Emerson Ave.
49	²⁵ 41	6	2	1	Beech Grove	T15N, R4E, 27 NE-1/4, NW-1/4	39°43'20"/86°04'31"	South of black eart area, between switc yard and RR, .1 mi. northwest of square pool.
49	⁴⁰ 42	2	1	1	Beech Grove	T15N, R4E, 27 NW-1/4, SE-1/4	39°43'13"/86°04'20"	.18 mi. north of Churchman Ave., .05 mi. south of switch yard, .05 mi. east of county road.
49	⁸ 43	2	1	4	Beech Grove	T15N, R4E, 27 SW-1/4, NW-1/4	39°43'03"/86°04'47"	.16 mi. east of Emerson Ave., .1 mi north of Churchman Ave., in open space near comm. bldgs.
49	² 44	6	2	4	Beech Grove	T15N, R4E, 22 SW-1/4, SW-1/4	39°43'33"/86°04'53"	Between tracks and Pullman Cr., .07 mi east of Emerson.
49	⁸⁵ 45	6	1	5 Fill Material	Indianapolis East	T16N, R4E, 35 NE-1/4, NE-1/4	39°47'41"/86°02'50"	.05 mi. north of Pleasant Run Cr., .1 mi. west of Shadeland Ave.

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49	46	6	2	4	Indianapolis East	T16N, R4E, 22 NW-1/4, SE-1/4	39°49'00"/86°04'23"	Between PC RR track and Mass. Ave., SW of industrial site, 1 block west of Lesley Ave.
49	47	6	1	1	Indianapolis East	T16N, R4E, 23 NW-1/4, NW-1/4	39°49'26"/86°03'37"	Along north side of PC RR tracks, due south of Sheridan Ave.
49	48	6	1	1	Indianapolis East	T16N, R4E, 4 SE-1/4, SE-1/4	39°51'26"/86°05'08"	.07 mi. north of 56th St., .05 mi. east of Fall Cr. Pk.
49	49	9	1	1	Indianapolis East	T16N, R4E, 3 SE-1/4, NE-1/4	39°51'53"/86°04'02"	.05 mi. south of Fall Cr., in grove of trees north of golf course
49	50	5	1	1	Indianapolis East	T16N, R4E, 5 SE-1/4, SE-1/4	39°51'23"/86°06'18"	.02 mi. NW of junction of 56th St. & Allisonville Rd.
49	51	5	2	1	Fishers	T17N, R4E, 20 NW-1/4, SW-1/4	39°54'08"/86°06'24"	In bare area in middle of gravel pits, .3 mi. north of 79th St., .6 mi. west of White River
49	52	5	1	1	Fishers	T17N, R4E, 20 NE-1/4, NW-1/4	39°54'39"/86°06'04"	In gravel pit area, .12 mi. south of White River, .1 mi. north of SR 100.
49	53	4	1	1	Fishers	T17N, R4E, 16 NW-1/4, NE-1/4	39°55'30"/86°04'39"	.12 mi. south of 96 St., .12 mi. west of White River.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
49	⁴⁶ 54	9	1	1	Indianapolis East	T16N, R4E, 13 NE-1/4, NW-1/4	39°50'16"/86°02'27"	.12 mi. west of I-465, NE of square pool, .2 mi. south of 46th St.
49	⁴⁶ 55	3	1	1	Indianapolis East	T15N, R4E, 11 SE-1/4, SE-1/4	39°45'27"/86°02'49"	.05 mi. north of junction of B & O F and PC RR, .28 mi. west of SR 100.
49	⁴⁵ 56	2	1	1	Indianapolis East	T15N, R4E, 12 SE-1/4, SW-1/4	39°45'18"/86°02'13"	.05 mi. east of Fisher Cr., .03 mi. north of B & O RR.
49	⁵ 57	3	2	4	Indianapolis East	T15N, R5E, 18 NE-1/4, NW-1/4	39°45'08"/86°01'11"	Large area .01-.05 mi. due. north of west end of landing strip, .41 mi. east of Franklin Rd.
49	³⁵ 58	3	1	1	Beech Grove	T15N, R4E, 36 SE-1/4, SW-1/4	39°41'52"/86°02'17"	.15 mi. north of Thompson Rd., .35 mi. east of Five Points Rd.
49	⁸⁰ 59	1	1	2	Beech Grove	T14N, R4E, 10 NW-1/4, SW-1/4	39°40'15"/86°04'55"	.08 mi. north of Buck Cr., .02 mi. east of Emerson Ave
49	⁷² 60	3	1	1	Indianapolis East	T16N, R5E, 5 SE-1/4, NW-1/4	39°51'58"/86°00'11"	At end of short paved road, .1 mi. west of road, .2 mi north of 59th St.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
49	6961	4	1	1	Cumberland	T16N, R5E, 5 SE-1/4, SE-1/4	39°51'29"/85°59'40"	Just south of RR tracks, .2 mi. east of Walter Reed Rd., .12 mi. north of 56th St.
49	7462	3	1	1	McCordsville	T17N, R5E, 32 NW-1/4, SE-1/4	39°52'33"/85°58'57"	End of dead end rd. .08 mi. north of 86th St., .12 mi. west of small lake.
49	7063	6	1	1	Cumberland	T16N, R5E, 4 SE-1/4, SW-1/4	39°51'34"/85°59'03"	.1 mi. north of SR 37, .05 mi. NW of small pond, .2 mi. north of 56th St.
49	664	5	1	1	Cumberland	T16N, R4E, 21 NW-1/4, NE-1/4	39°49'26"/85°58'40"	.2 mi. south of 38th St., .3 mi. west of German Church Rd.
49	6065	5	1	1	Cumberland	T16N, R5E, 20 SE-1/4, NE-1/4	39°49'14"/85°59'08"	On westside of Mitthoeffer Rd., .42 mi south of 38th St.
49	666	10	2	4	Cumberland	T16N, R5E, 33 SW-1/4, SW-1/4	39°46'58"/85°59'13"	On northside of 10th St., .15 mi. east of Mitthoeffer Rd.
49	4067	5	1	1	Acton	T15N, R5E, 21 NW-1/4, NE-1/4	39°44'26"/85°58'35"	On west bank of grassy creek, .05 mi. north of US 52.

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**Type of Material

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
50	1 37	5	1	1	Plymouth	T34N, R2E, 29 SW-1/4, SE-1/4	41°21'52"N/86°19'08"W	0.1 mi. due south of W. 7C Rd., .25 mi. due north of US 30.
50	2 36	6	1	1	Plymouth	T34N, R2E, 32 NW-1/4, SW-1/4	41°21'15"N/86°19'08"W	Between Schuh Ditch and N & W RR tracks about .56 mi. due south of US 30.
50	3 31	5	1	1	Plymouth	T34N, R2E, 31 SE-1/4, SE-1/4	41°21'02"N/86°19'55"W	Adjacent to marshy area, about .32 mi. due south of US 30.
50	4 38	3	1	1	Plymouth	T34N, R2E, 32 NW-1/4, SE-1/4	41°21'29"N/86°19'27"W	.3 mi. due south of US 30; about 0.1 mi east of N & W RR
50	5 32	3	1	1	Plymouth	T35N, R2E, 6 NE-1/4, NE-1/4	41°20'40"N/86°19'52"W	About .2 mi. NW of intersection of Jefferson St. and N. Oak Rd., just west of intermittent stream.
50	6 35	4	1	1	Plymouth	T35N, R2E, 6 NW-1/4, NE-1/4	41°20'41"N/86°20'15"W	Between Jefferson S and PC RR, about .0 mi. north of tracks
50	7 38	2	1	1	Plymouth	T34N, R2E, 31 SW-1/4, SE-1/4	41°21'02"N/86°20'17"W	In marshy area, .3 mi. due south of West 8B Rd.
50	8 30	7	1	1	Plymouth	T33N, R1E, 12 SW-1/4, SE-1/4	41°19'10"N/86°21'18"W	.1 mi. due north of W. 11th Rd., just west of the termination of a dirt rd.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
50	9 20	6	1	1	Plymouth	T33N, R2E, 17 SW-1/4, NW-1/4	41°18'39"N/86°19'40"W	Just west of Yellow River about .52 mi. due east of S. Olive Trail.
50	10 21	5	1	1	Plymouth	T33N, R1E, 23 NW-1/4, SW-1/4	41°17'32"N/86°22'29"W	.26 mi. south of Holem Lake, .25 mi. due north of W. 13th Rd.
50	11 20	4	1	1	Plymouth	T33N, R1E, 25 NE-1/4, SE-1/4	41°16'47"N/86°05'54"W	About .3 mi. due north of W. 14th Rd. .55 mi. due west of S. Olive Trail.
50	12 13	8	1	1	Culver	T32N, R1E, 21 SW-1/4, SW-1/4	41°12'04"N/86°25'18"W	Immediately north of lost lake at end of W. 19th Rd., .2 mi. west of PC RR.
50	13 14	8	1	1	Culver	T32N, R1E, 21 SW-1/4, SW-1/4	41°12'18"N/86°25'16"W	Just north of sewage disposal site, about .1 mi. west of Lake Makinkuckee.
50	14 15	6	1	1	Culver	T32N, R1E, 17 NE-1/4, SE-1/4	41°13'12"N/86°25'39"W	.3 mi. due east of SR 17, just west of Township School.
50	15	5	1	1	Culver	T32N, R1E, 10 SW-1/4, SW-1/4	41°14'02"N/86°24'13"W	.25 mi. NW of intersection of PC RR and W. 17th Rd., at end of dirt rd., just south of intermittent stream.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
50	16 <i>22</i>	5	1	1	Plymouth	T33N, R2E, 20 NW-1/4, NE-1/4	41°18'03"N/86°18'58"W	.2 mi. due south of W. 12th Rd., .35 mi. due west of S. Muckshaw Rd., .1 mi. east of Yellow River
50	17 <i>37</i>	3	1	1	Plymouth	T34N, R2E, 34 SW-1/4, NW-1/4	41°21'26"N/86°17'17"W	Between US 30 and Yellow River, about .4 mi. NW of intersection of river with Highway 30.
50	18 <i>25</i>	5	1	1	Plymouth	T33N, R2E, 15 NE-1/4, SE-1/4	41°18'37"N/86°16'25"W	In gravel pit between US 31 and Lake
50	19 <i>43</i>	5	1	5	Plymouth	T33N, R2E, 11 SW-1/4, NW-1/4	41°19'44"N/86°16'07"W	.36 mi. due east of US 31, .2 mi. south of PC RR tracks.
50	20 <i>23</i>	3	1	1	Plymouth	T33N, R2E, 16 NW-1/4, NW-1/4	41°18'06"N/86°16'48"W	.1 mi. NE of Plymouth Speedway, just SE of Tabor Cemetery
50	21 <i>14</i>	4	1	1	Argos	T32N, R2E, 20 NW-1/4	41°14'41"N/86°14'44"W	.1 mi. SW of intersection of W. 12th Rd. & Michigan St.
50	22 <i>24</i>	6	1	1	Bourbon	T33N, R3E, 24 SW-1/4, SE-1/4	41°18'23"N/86°07'17"W	Immediately west of NY, Chicago, & St. Louis RR, .05 mi. south of 16th Rd.

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SE edge of Lake in Parks Memorial Cemetery; about .26 mi. due west of SR 331.

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
50	23 41	3	1	1	Walkerton	T35N, R1E, 19 NE-1/4, SW-1/4	41°57'30"/86°27'20"	.4 mi. north of W. 1st St., 1.1 mi. west of N. Thorn Rd.
50	24 42	3	1	1	Walkerton	T35N, R1E, 19 NW-1/4, SE-1/4	41°62'30"/86°27'13"	.5 north of W. 1st 1.0 west of N. Thorn

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
53	1 16	5	1	1	Bloomington	T8N, R2W, 10 SE-1/4, NE-1/4	39°8'43"N/86°36'44"W	.2 mi. N of airport. .12 mi. NW of intersection of Mathews Rd. and Kirby Rd.
53	2 15	6	1	1	Whitehall	T9N, R2W, 34 SW-1/4, SW-1/4	39°9'57"N/86°37'40"W	Located approx. .3 mi. N of 48, .2 mi. E of the W section line of Sec. 34.
53	3 33	5	1	1	Gosport	T10N, R2W, 32 NW-1/4, SE-1/4	39°15'27"N/86°39'20"W	Just E of SR 46, about .15 mi. S of Chafin Rd.
53	4 36	5	1	1	Gosport	T10N, R2W, 28 SW-1/4, SE-1/4	39°16'5"N/86°38'10"W	Approx. midway between Red Hill Rd., and intermittent stream .15 mi. south of Monon RR.
53	5 43	6	1	1	Gosport	T10N, R2W, 17 SE-1/4, SW-1/4	39°17'53"N/86°39'35"W	Located adjacent to quarry, .05 mi. NW of the intersection of Little Wolf Rd. and Stinesville Rd.
53	6 31	4	1	1	Gosport	T10N, R2W, 20 SW-1/4, NW-1/4	39°17'35"N/86°39'50"W	.6 mi. N of the intersection of Hedrick Rd., and Stinesville Rd., directly adjacent to west side of Stinesville Rd.
53	7 40	4	1	1	Gosport	T10N, R2W, 20 NW-1/4, NE-1/4	39°17'45"N/86°39'20"W	.2 mi. SE of Mountain Rd., Stinesville Rd. intersection located on quarry.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
53	8 <i>36</i>	7	1	1	Gosport	T10N, R2W, 19 NE-1/4, SE-1/4	39°17'18"N/86°40'07"W	.4 mi. WSW of Swenson Mill Rd., Stinesville Rd. intersection.
53	9 <i>38</i>	4	1	1	Gosport	T10N, R2W, 22 NE-1/4, NW-1/4	39°17'39"N/86°38'17"W	.1 mi. SE of Walker Lane Rd., Red Hill Rd., intersection adjacent to quarry.
53	10 <i>41</i>	4	1	1	Gosport	T10N, R2W, 16 SE-1/4, SE-1/4	39°17'50"N, 86°38'00"W	.2 mi. N of Walker Lane Rd., .2 mi NW of cemetery, located in gravel pit.
53	11 <i>40</i>	8	1	1	Bloomington	T9N, R2W, 10 NE-1/4, SE-1/4	39°13'48"N/86°36'53"W	.3 mi. E of SR 46, Hartstraight Rd. intersection .1 mi NE of Monon RR.
53	12 17	10	1	1	Bloomington	T8N, R2W, 12 SE-1/4, NW-1/4	39°08'48"N/86°35'11"W	.4 mi. NW of SR 45, Curry Pike intersection just NW of housing addition
53	13 <i>13</i>	4	1	1	Bloomington	T8N, R2W, 13 NW-1/4, SW-1/4	39°07'49"N/86°35'25"W	Just W of trailer pk, park is on west side of Leonard Springs Rd., 1/2 mi. S of Tapp Rd.
53	14 11	4	1	1	Clear Creek	T8N, R2W, 25 NE-1/4, NW-1/4	39°6'22"N/86°35'7"W	.4 mi. W of Leonard Springs Rd., .13 mi. S of the section line just N of site.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
53	15 10	5	1	1	Clear Creek	T8N, R2W, 23 SE-1/4, SW-1/4	39°6'10"N/86°36'13"W	.5 mi. W Leonard Springs Rd., .8 mi. south of Ellier Rd.
53	16 46	6			Clear Creek	T7N, R1W, 18 NE-1/4, NE-1/4	39°02'55"N/86°33'29"W	.95 mi. NW of intersection between Cedar Bluff Rd. & Old 37. .55 mi. E of transmission line
53	17 12	6	1	1	Bloomington	T8N, R1W, 8 NE-1/4, NE-1/4	39°9'00"N/86°32'29"W	.18 mi. W of Rogers St., .20 mi. SW of the intersection of Hillside & Rogers
53	18 41	5	1	1	Bloomington	T8N, R1W, 6 SE-1/4, SE-1/4	39°9'6"N/86°33'19"W	.3 mi. S of Allen St., .75 mi. E of SR 45.
53	19 20	6	1	1	Bloomington	T8N, R1W, 7 NW-1/4, NW-1/4	39°9'3"N/86°34'21"W	.18 mi. NW of SR 45 .5 mi. W of Weimer Rd. .15 mi. S of the section line N of site.
53	20 23	5	1	1	Bloomington	T8N, R1W, 6 SE-1/4, NE-1/4	39°09'30"N/86°33'30"W	.3 mi. N of Allen St., and .3 mi. SE of trailer park.
53	21 24	2	1	1	Bloomington	T8N, R1W, 6 NE-1/4, NW-1/4	39°09'45"N/86°34'04"W	.2 mi. S of SR 48 .82 mi. E of Curry Pike.
53	22 46	10	1	1	Bloomington	T9N, R1W, 31 SE-1/4, NE-1/4	39°10'23"N/86°33'34"W	.12 mi. N of Monon RR and .3 mi. W of Woodward Rd.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
53	23 <i>21</i>	3	1	1	Bloomington	T9N, R1W, 31 SE-1/4, NE-1/4	39°10'28"N/86°33'23"W	Adjacent to Woodward Rd. (southside), .3 mi. W of Linburgh S.
53	24 <i>20</i>	3	3	1	Bloomington	T9N, R1W, 32 NW-1/4, SW-1/4	39°10'16"N/86°33'15"W	.1 N of Monon RR., .22 mi. NW of Woodward Rd. & Monon RR intersection.
53	25 <i>24</i>	6	1	1	Bloomington	T9N, R1W, 21 NW-1/4, NW-1/4	39°12'25"N/86°32'15"W	.15 mi. WSW of SR 3 Old 37 N intersection.
53	26 <i>39</i>	8	1	1	Modesto	T10N, R1W, 18 SE-1/4, SW-1/4	39°17'42"N/86°34'06"W	.3 mi. E 900 N Rd., 200 W Rd., intersection
53	27 <i>42</i>	8	1	1	Modesto	T10N, R1W, 18 SW-1/4, SW-1/4	39°17'53"N/86°34'25"W	Located just E of 200 W Rd., near small clump of trees, .2 mi. N of 900 N Rd.
53	28 <i>32</i>	6	1	1, 3, 5	Bloomington	T9N, R2W, 2 SE-1/4, NE-1/4	39°14'55"N/86°35'37"W	.25 mi. N of Maple Grove Rd., Union Valley Rd intersection on westside of Union Valley Rd. in quarry.
53	29 <i>44</i>	9	3	5	Modesto	T10N, R1W, 28 NE-1/4, SE-1/4	39°16'16"N/86°31'17"W	Auto junk yard on eastside of SR 37, .4 mi. N of 700 N Rd.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/° Longitude	Directions to Site
53	30 34	4	1	1	Modesto	T10N, R1W, 34 SW-1/4, NW-1/4	39°15'40"N/86°31'00"W	.3 mi. S from where utility line crosses Sample Rd., .4 mi. due E of SR 37.
53	31 31	6	1	1	Bloomington	T9N, R1W, 10 NW-1/4, NW-1/4	39°14'15"N/86°31'01"W	.83 mi. W of Mel1 Curry Rd., Old 37 N intersection, located on section line of 3,
53	32 9	8	2	1	Bloomington	T9N, R1W, 16 NE-1/4, SE-1/4	39°12'46"N/86°31'15"W	.3 mi. S of Bethel Lane, Old 37 N intersection, .18 E of Old 37 N.
53	33 14	5	1	1	Bloomington	T8N, R1W, 9 SE-1/4, SW-1/4	39°08'23"N/86°31'45"W	.12 mi. E of Walnut St., .3 mi. N of Winslow Rd.
53	34 15	4	1	1	Bloomington	T8N, R1W, 9 NW-1/4, SW-1/4	39°08'35"N/86°32'03"W	.2 mi. W of Walnut .5 mi. N of Winslow
53	35 19	9	1	1	Unionville	T9N, R1E, 1 SE-1/4, SE-1/4	39°9'03"N/86°27'43"W	On section line of 1 and on forest boundary 1/2 mi. E of Moores Pike and 446
53	36 16	6	1	1	Unionville	T9N, R1W, 24 SW-1/4, SE-1/4	39°11'13"N/86°28'22"W	.3 mi. W of Colpert Rd., .35 mi. S of Russell Rd.
53	37 17	3	1	1	Allens Creek	T8N, R1W, 23 SE-1/4, SW-1/4	39°06'50"N/86°29'31"W	.4 mi. E of Harrell Rd., .6 mi. S of Rhorer Rd.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
55	81	5			Mooresville	T14N, R2E, 27 NE-1/4, SE-1/4	39°27'28"N/86°17'23"W	.17 mi. W of Paddock Rd., .35 mi. N of 1300 N Rd.
55	62	4	1	1	Bridgeport	T14N, R2E, 27 SW-1/4, NE-1/4	39°37'35"N/86°17'34"W	.3 mi. W of 750 E Rd., .5 mi. S of County Line Rd.
55	93	2	1	1	Bridgeport	T14N, R2E, 26 SE-1/4, NW-1/4	39°37'31"N/86°17'02"W	.25 mi. E of 750 E Rd., .55 mi. S of Morgan county line.
55	74	5	2	1	Mooresville	T14N, R2E, 27 SE-1/4, SE-1/4	39°37'10"N/86°17'32"W	.35 mi. W of Paddock Rd., .06 mi. N of 1300 N Rd.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
57	291	9	1	1	Ligonier	T35N, R8E, 27 NE-1/4, SE-1/4	41°27'32"N/85°34'50"W	.1 mi. S of Elkhart River, between two marshy regions.
57	252	1	1	1	Ligonier	T35N, R8E, 27 SW-1/4, SE-1/4	41°27'10"N/85°35'03"W	SE of Oak Park Cemetery, .07 mi. N of US 6.
57	273	2	1	1	Ligonier	T35N, R8E, 26 SW-1/4, SW-1/4	41°27'22"N/85°34'32"W	.13 mi. N of US 6, .13 mi. W of trailer park.
57	264	2	1	1	Ligonier	T35N, R8E, 27 SW-1/4, SW-1/4	41°27'17"N/85°35'36"W	Just NE of trailer park, immediately N of transmission line.
57	285	6	1	1	Ligonier	T35N, R8E, 27 NE-1/4, SE-1/4	41°27'24"N/85°34'56"W	.16 mi. NW of Indian Lake, .13 mi NE of Oak Park Cemetery.
57	306	6	1	1	Ligonier	T34N, R8E, 13 SW-1/4, SE-1/4	41°23'51"N/85°32'48"W	Approx. midway between gravel pit and secondary highway (off-shoot of US 33), .07 mi. N of Baltimore & Ohio RR.
58	817	5	1	1	Ligonier	T34N, R9E, 8 SE-1/4, SE-1/4	41°24'48"N/85°30'18"W	In marshy area, just E of northward bend in 400 N Rd.
58	848	6	1	1	Kendallville	T35N, R11E, 32 NE-1/4, NE-1/4	41°26'56"N/85°16'18"W	.15 mi. E of Henderson Lake, .08 mi. W of Penn Central RR tracks, .26 mi. due S of US 6.

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County Code	Site No.	No. of Sides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
57	229	3	1	1	Kendallville	T34N, R11E, 4 SW-1/4, NE-1/4	41°25'53"N/85°15'10"W	Just S of city park and marshy area, .35 mi. SW of Bixie Lake.
57	2310	1	1	1	Corunna	T35N, R11E, 34 NW-1/4, SE-1/4	41°26'38"N/85°14'25"W	.1 mi. due S of 650 N Rd., .03 mi. N of Penn Central RR tracks.

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 (3) = Masonry/Concrete
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County Code	Site No.	No. of Sides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
64	1 36	3	1	1	Portage	T36N, R7W, 10 NW-1/4, NE-1/4	41°35'33"N/87°12'32"W	Between I20 and Baltimore & Ohio Rf .05 mi. E of bend in Willow Creek.
64	2 37	3	1	1	Portage	T36N, R7W, 11 NE-1/4, NW-1/4	41°35'36"N/87°10'50"W	.15 mi. S of the trailer park in the area, .25 mi. W of Marine Rd.
64	3 35	3	1	1	Portage	T36N, R7W, 11 NE-1/4, SE-1/4	41°35'12"N/87°11'04"W	.1 mi. W of Creek F just W of the inter section of Creek an Portage Rd.
64	4 38	2	1	1	Portage	T36N, R7W, 1 NE-1/4, SE-1/4	41°36'00"N/87°9'52"W	.12 mi. N of US 20 .5 mi. E of Crisman Rd.
64	5 41	3	1	1	Portage	T37N, R6W, 20 NE-1/4, SE-1/4	41°38'35"N/87°7'45"W	.15 mi. S of the Lake Michigan shore line, .25 mi. W of the substation conveyor.
64	6 32	5	1	1	Portage	T36N, R6W, 17 SE-1/4, NE-1/4	41°34'24"N/87°7'39"W	Just N of the toll rd., .88 mi. E of 400 W Rd.
64	7 34	3	1	1	Portage	T36N, R6W, 17 NW-1/4, NE-1/4	41°34'40"N/87°7'46"W	.05 mi. N of the B & O RR, .75 mi. E of 400 W Rd.
64	8 28	3	1	1	Chesterston	T36N, R5W, 28 NW-1/4, SW-1/4	41°32'32"N/87°7'18"W	.12 mi. E of Rd. 14 .9 mi. W of 200 W Rd.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
64	9 26	5	1	1	Portage	T35N, R6W, 5 SE-1/4, SW-1/4	41°30'36"N/87°8'15"W	.47 mi. W of 325 W Rd., .25 mi. N of 500 N. Rd.
64	10 25	2	1	1	Valparaiso	T35N, R6W, 10 SE-1/4, SW-1/4	41°29'48"N/87°5'54"W	.2 mi. W of 150 W Rd., .52 mi. N of Rd. 130.
64	11 45	3	1	1	Michigan City West	T37N, R5W, 11 NE-1/4, NE-1/4	41°40'40"N/86°57'08"W	.08 mi. S of Penn Central RR, .3 mi. W of 625 E Rd.
64	12 46	5	1	1	Michigan City West	T37N, R5W, 11 NW-1/4, NE-1/4	41°40'50"N/86°57'27"W	Just S of the US 20 southern bend., .25 mi. N of Penn Cent. RR, .61 mi. E of 500 E. Rd.
64	13 47	16	1	1	Michigan City West	T37N, R5W, 2 SW-1/4, SW-1/4	41°40'58"N/86°57'10"W	Just S of US 20 (on the southern bend) .23 mi. W of 625 E Rd.
64	14 48	6	1	1	Michigan City West	T37N, R5W, 1 NW-1/4, SW-1/4	41°41'06"N/86°57'00"W	.05 mi. W of 625 E Rd., .15 mi. N of US 20 (at the bend)
64	15 49	7	1	1	Michigan City West	T37N, R5W, 1 NE-1/4, SW-1/4	41°41'10"N/86°56'38"W	.58 mi. W of the Porter Co. line, .3 mi. N of US 20.
64	16 51	8	1	1	Michigan City West	T37N, R5W, 1 SW-1/4, NE-1/4	41°41'27"N/86°56'23"W	.45 mi. W of the Porter/Laporte co. line, .18 mi S of US 12.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
64	17 50	4	1	1	Michigan City West	T37N, R5W, 1 SW-1/4, NE-1/4	41°41'26"N/86°56'00"W	.18 mi. W of Porter and LaPorte Co. line .45 mi. S of the intersection of US 12 and county line road.
64	18 29	6	1	1	Michigan City West	T37N, R5W, 10 NE-1/4, SE-1/4	41°40'13"N/86°58'14"W	.05 mi. W of 500 E Rd., .2 mi. S of the 500 E Rd. and US 20 intersection
64	19 23	3	1	1	Westville	T36N, R5W, 15 SE-1/4, NE-1/4	41°34'27"N/86°57'58"W	.05 mi. N of the toll rd., .75 mi. E of 400 E. Rd.
64	20 31	6	1	1	Westville	T36N, R5W, 16 SW-1/4, NW-1/4	41°34'23"N/86°59'59"W	.1 mi. N of the toll rd., .51 mi. W of 400 E Rd.
64	21 19	4	1	1	Manatah	T35N, R5W, 34 NW-1/4, SW-1/4	41°26'23"N/86°58'35"W	.1 mi. E of 450 E. Rd., .12 mi. S of the Penn Central RR
64	22 19	6	1	1	Va1paraiso	T35N, R5W, 30 NE-1/4, SW-1/4	41°27'18"N/87°02'25"W	.38 mi. S of US 30 .2 mi. W of SR 49
64	23 19	6	1	1	Va1paraiso	T35N, R5W, 30 NW-1/4, SW-1/4	41°27'20"N/87°02'33"W	.33 mi. S of US 30 .31 mi. W of SR 49.
64	24 17	2	1	1	Va1paraiso	T35N, R6W, 26 NE-1/4, SE-1/4	41°27'16"N/87°04'02"W	.06 mi. W of Meridian Rd., .39 mi. S of US 30.
64	25 20	2	1	1	Va1paraiso	T35N, R6W, 25 NW-1/4, NW-1/4	41°27'41"N/87°03'48"W	Directly W of SR 2, .45 mi. S on Lincoln way Rd.
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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
64	26 30	7	1	1	Chesterton	T36N, R5W, 29 NW-1/4, NW-1/4	41°32'58"N/87°01'34"W	.58 mi. E of the US 4/I-49 intersection, directly S of US 6.
64	27 43	11	1	1	Dune Acres	T37N, R5W, 18 SW-1/4, SW-1/4	41°39'12"N/87°02'36"W	.95 mi. E of Rd. 49 .18 mi. N of South-shore RR tracks.
64	28 42	6	1	1	Dune Acres	T37N, R6W, 24 NW-1/4, SW-1/4	41°38'40"N/87°03'41"W	Just N. of US 12 .05 mi. E of SR 49
64	29 40	2	1	1	Dune Acres	T37N, R6W, 25 NW-1/4, NE-1/4	41°38'07"N/87°03'21"W	Located in the SE quadrant of the interstate "cloverleaf" just N of the radio tower (junction of US 40 & SR 49).
64	30 29	5	1	1	Chesterton	T36N, R6W, 26 NE-1/4, NE-1/4	41°32'57"N/87°04'02"W	.05 mi. W of Meridian St., .05 mi. S of US 6
64	31 52	2	1	5 Purple-colored pond	Chesterton	T36N, R6W, 26 NW-1/4, NE-1/4	41°32'55"N/87°04'18"W	.3 mi. SW of intersection of US 6 and Meridian Rd. (.1 mi due S of US 6 and .3 mi. due W of Meridian).
64	32 27	7	1	1	Chesterton	T36N, R5W, 31 SW-1/4, NW-1/4	41°31'47"N/87°02'32"W	Between Canada and Mink Lakes, .15 mi. S of Round Lake.

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64	33 21	4	1	1	Valparaiso	T35N, R6W, 23 SW-1/4, SW-1/4	41°27'58"N/87°04'00"W	.15 mi. due S of SR 2/49, .2 mi. due N of NY, Chicago, and St. Louis RR.
64	34 22	2	1	1	Valparaiso	T35N, R6W, 22 NE-1/4, SE-1/4	41°28'10"N/87°05'12"W	.05 mi. due N of Joliet Rd., .25 mi. NW from intersection of NY, Chicago and St. Louis RR and Joliet Rd.
64	35 23	3	1	1	Valparaiso	T35N, R6W, 23 NW-1/4, NW-1/4	41°28'32"N/87°04'50"W	.05 mi. N of SR 130 .3 mi. due S of Grand Trunk RR.
64	36 24	5	1	1	Valparaiso	T35N, R6W, 15 SW-1/4, SW-1/4	41°28'48"N/87°05'10"W	Between Grand Trunk RR and SR 130, about .6 mi. S of Grand Trunk RR tracks.
64	37 35	6	1	1	Dune Acres	T37N, R5W, 28 NE-1/4, NW-1/4	41°37'44"N/87°06'33"W	Just N of US 12, .5 mi. W of Bursstrom Cemetery. .97 mi. W of the sewage disposal plant.

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71	181	11			Osceola	T38N, R4E, 21 SW-1/4, NE-1/4	41°43'23"N/86°05'2"W	.3 W of Ash Rd., .5 mi. N of Indiana 90 toll rd.
71	652	6			Osceola	T37N, R4E, 4 SE-1/4, NE-1/4	41°41'02"N/86°02'36"W	.1 mi. W of Ash Rd. .3 mi. N of SR 20
71	133	7			South Bend East	T38N, R3E, 35 NW-1/4, NE-1/4	41°42'35"N/86°08'40"W	.1 mi. S of Douglas Rd., .7 mi. N of Day Rd.
71	594	6			South Bend East	T37N, R3E, 11 SE-1/4, SE-1/4	41°40'04"N/86°08'31"W	.3 N of SR 33 .4 mi. S of Jefferson Blvd.
71	535	3			South Bend East	T37N, R3E, 21 SW-1/4, SW-1/4	41°38'25"N/86°11'31"W	.2 mi. N of Inwood Rd., .5 mi. W of Ireland Trail Rd.
71	426	3			South Bend East	T38N, R3E, 18 SE-1/4, SW-1/4	41°07'21"N/86°13'43"W	.5 mi. S of Auten Rd., .6 mi. W of Ironwood Rd.
71	507	3			South Bend West	T38N, R2E, 26 SE-1/4, SE-1/4	41°37'43"N/86°15'20"W	.1 mi. N of Byp. 20 .3 mi. S of Kevia F
71	158	4			South Bend West	T38N, R2E, 26 SW-1/4, SE-1/4	41°42'43"N/86°15'42"W	.5 mi. W of Michigan St., .8 mi. S of toll rd. 90.
71	809	8			South Bend West	T38N, R2E, 23 NW-1/4, SE-1/4	41°44'07"N/86°16'15"W	.4 mi. N of Darden Rd., .4 mi. W of Laurel Rd., .1 mi. NE of St. Joseph River.

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71	19 10	6			South Bend West	T38N, R2E SE-1/4 of SE-1/4	41°43'34"N/86°15'42"W	.15 mi. N of US 31 .35 mi. N of Indian toil rd.
71	45 11	3			South Bend West	T38N, R2E, 28 SW-1/4, NW-1/4	41°33'08"N/86°18'32"W	.7 mi. N of Douglas Rd., .3 mi. S of Cleveland Rd.
71	30 12	4	1	1	Lakeville	T37N, R2E, 33 SE-1/4, NE-1/4	41°37'09"N/86°17'35"W	.1 mi. SE of Jackso Rd., .7 mi. N of Kern Rd.
71	28 13	5	1	1	Lakeville	T36N, R1N, 13 SE-1/4, NE-1/4	41°34'21"N/86°21'10"W	.2 mi. E of Martin- dale Rd., .6 mi. N of New Rd.
71	14	2	1	1	South Bend West	T37N, R2E, 6 NW-1/4, NE-1/4	41°41'13"N/86°20'13"W	.3 mi. E of US 20 by-pass, .5 N of Fillmore Rd.
71	31 15	4	1	1	Lydick	T37N, R1E, 26 NW-1/4, SE-1/4	41°37'38"N/86°22'37"W	.6 mi. S of Inwood Rd., .2 mi. E of Quince Rd.
71	23 16	4	1	1	Walkerton	T35N, R1W, 23 SW-1/4, NE-1/4	41°28'23"N/86°29'31"W	.22 mi. N of US 6, .28 mi. E of SR 104 .6 mi. S of N & W R
71	25 17	4	1	1	Walkerton	T35N, R1E, 18 NW-1/4, SW-1/4	41°29'04"N/86°27'58"W	.18 mi. S of SR 23 .04 mi E of Sec. line, .05 mi. N of PC RR.
71	24 18	4	1	1	Walkerton	T35N, R1W, 13 NE-1/4, SE-1/4	41°28'57"N/86°28'12"W	.17 mi. S of SR 23 .16 mi. W of Sec. line, .07 mi. N of PC RR.

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71	27 19	4	1	1	North Liberty	T36N, R1E, 18 SW-1/4, SE-1/4	41°34'01"N/86°27'15"W	.3 mi. N of New Rd. 1.4 mi. W of Thorn Rd.
71	29 20	6	1	1	North Liberty	T37N, R1E, 30 SE-1/4, SE-1/4	41°35'18"N/86°26'41"W	.4 mi. E of Laskowski Ditch, .8 mi W of Strawberry Rd., .6 mi. N of N Rd.
71	31 21	5	1	1	Lydick	T38N, R1W, 13 SE-1/4, SW-1/4	41°44'18"N/86°28'45"W	.2 mi NE of Hamilton Trail Rd., .7 mi. W of Chicago Trail Rd.
71	26 22	4	1	1	South Bend West	T38N, R2E, 22 SW-1/4, NE-1/4	41°33'59"N/86°17'03"W	.3 mi. S of Brick Rd., .4 mi. E of Portgage Rd.
71	38 23	3	1	1	South Bend West	T38N, R2E, 17 NE-1/4, SW-1/4	41°44'40"N/81°19'39"W	.2 mi. W of Mayflower Rd., .5 mi. N of Brick Rd.
71	39 24	4	1	1	South Bend West	T38N, R1E, 14 SW-1/4, NE-1/4	41°44'50"N/86°22'20"W	2.5 mi. W of Primrose Trail, .2 mi. N of road intersecting Primrose Trail Rd. in NEC of Sec. 14.

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77	121	5	1	1	Hymera	T9N, R8W, 33 SE-1/4, NE-1/4	39°11'17"N/87°22'22"N	Along dirt road leading to lakes, .15 mi. S of city boundary.
77	112	6	1	1	Hymera	T9N, R9W, 26 SE-1/4, SE-1/4	39°10'52"N/87°17'49"N	Junkyard in blade mining area at intersection of SR 48 and CR 200 E.
77	153	12	1	1	Hymera	T9N, R8W, 14 NW-1/4, NE-1/4	39°13'37"N/87°15'50"N	Between CR 975 N and small pond, .25 mi. E of CR 750 E.

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79	1 15	3	2	1	Lafayette East	T23N, R4W, 9 SE-1/4, NE-1/4	40°27'25"N/86°52'13"W	.5 mi. SE from intersection of Monon RR and power line, .5 mi. NE from intersection of canal and power line.
79	2 19	3	1	1	Lafayette West	T23N, R5W, 36 NE-1/4, SE-1/4	40°23'00"N/86°55'36"W	.2 mi. due S of Wabash River between tracks and light dut rd., south of marsh just E of 36/31 sec. line.
79	3 20	3	1	1	Lafayette West	T23N, R4W, 31 SW-1/4, NW-1/4	40°23'12"N/86°55'25"W	.25 mi. N of 200 S Rd., .5 mi. E of intersection of Wabash and Monon RR.
79	4 23	2	1	1	Lafayette West	T23N, R5W, 2 NE-1/4, SE-1/4	40°28'01"N/86°56'42"W	.1 mi. due S of island portion of I-52/231, .4 mi. SE of intersection of I-52/231 and 250 W. Rd.
79	5 21	6	1	1	Lafayette West	T23N, R5W, 28 NW-1/4, NW-1/4	40°24'58"N/86°59'46"W	Directly S of 100 S Rd., .15 mi. slightly SE of intersection of 500 W Rd. and 100 S. Rd.
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82	51	1	3		Evansville, S.	T6S, R11W, S27 SE-1/4 of SE-1/4	37°58'03"N/87°37'18"W	1/8 mi. north of Tekoppel Ave. 3/4 mi. south of Pennsylvania St.
82	2	10	1	1	Kasson	T6S, R11W, 10 SW-1/4, SW-1/4	38°00'59"/87°38'02"	.12 mi. east of junction of SR65 & SR66, .25 mi. south of I66 (New 66) (behind service station)
82	3	4	1	1	Kasson	T6S, R11W, 10 SW 1/4, NW-1/4	38°00'33"/87°38'03"	Under power line just south of Carpenter Cr., .15 mi. east of junction Red Bank Rd. & Booker Rd.
82	4	8	1	1	Kasson	T6S, R11W, 10 NE-1/4, SW-1/4	38°00'48"/87°37'47"	.8 mi north of SR66 by small pond at end of drive from county rd north of SR66 (old 66)
82	5	4	1	1	W. Franklin	T6S, R11W, 27 NW-1/4, NW-1/4	37°58'36"/87°38'08"	on southeast corner of junction of SR62 & Red Bank Rd.
82	6	16	1	1	W. Franklin	T6S, R11W, 22 SW-1/4, SE-1/4	37°58'55"/87°37'35"	.08 mi. west of junction of L & N RR & Hogue Rd., on east bank of Carpenter Cr.

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82	7	7	1	5 Automobiles	W. Franklin	T6S, R11W, 27 NE-1/4, NW-1/4	37°58'45"/87°37'32"	.05 mi. north of SR 62 (4 lane road), on east bank of Carpenter Creek.
82	8	7	1	1	Evansville S.	T6S, R11W, 27 NE-1/4, NW-1/4	37°58'42"/87°37'30"	.02 mi. south of SR 62, on east bank of Carpenter Creek.
82	9	7	1	1	Evansville S.	T6S, R11W, 22 NE-1/4, SE-1/4	37°59'07"/87°37'15"	On west side of lake .08 mi. north of Mt. Vernon Rd.
82	10	6	2	5 Automobiles	Evansville S.	T6S, R11W, 34 SW-1/4, SE-1/4	37°57'04"/87°37'29"	West of Carpenter Cr., .23 mi. east of County Rd., .14 mi. west and .2 mi. north of L & N RR.
82	11	5	1	1	W. Franklin	T7S, R11W, 3 NW-1/4, NE-1/4	37°56'48"/87°37'38"	South of Carpenter Cr., .08 mi. east of county road, .08 mi. west of L & N RR.
82	12	7	1	1	W. Franklin	T7S, R11W, 9 NE-1/4, SW-1/4	37°55'36"/87°39'04"	North side of small pond, .02 mi. south of Bayou Cr. Rd., .3 mi. east of Seminary Rd.
82	13	7	1	1	W. Franklin	T7S, R11W, 22 NW-1/4, NW-1/4	37°54'12"/87°38'12"	.1 mi. south of Dale Ditch, .12 mi. east of Hoppe Rd., north side of county road.

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(5) = Other

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to
82	14	7	1	1	Evansville S.	T6S, R11W, 35 NE-1/4, NE-1/4	37°57'47"/87°36'20"	Along west bank Ohio River, .27 east of junction of Broadway and Barker Avenue.
82	15	4	2	4	Evansville S.	T6S, R11W, 27 SW-1/4, SE-1/4	37°57'59"/87°37'14"	.04 mi. west of Tekoppel Ave., d west of sewage treatment plant.
82	16	4	1	1	W. Franklin	T6S, R11W, 27 SW-1/4, SE-1/4	37°57'55"/87°37'31"	At corner of cit streets, .29 mi. north of Old 62, .22 mi. east of Red Bank Rd.
82	17	4	2	4	Evansville S.	T6S, R11W, 26 NE-1/4, SW-1/4	37°58'09"/87°36'48"	.16 mi. south of Claremont Ave., .1 mi. west of Bark Ave., on bank of pond east of factory.
82	18	9	3	4	Evansville S.	T6S, R11W, 24 NE-1/4, NW-1/4	37°59'35"/87°35'35"	.06 mi. west of NYC RR., .5 mi. south of site 38 .48 mi. north of Maryland St.
82	19	8	2	4	Evansville S.	T6S, R11W, 13 NW-1/4, SE-1/4	37°59'56"/87°35'25"	.03 mi. west of NYC RR., .3 mi. south of SR 66, just south of transmission line.

*Type of Disposal Site

- (1) = 1 acre or less
(2) = 1-5 acres
(3) = More than 5 acres

**Type of Material

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(3) = Masonry/Concrete
(4) = Industrial Wastes
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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
82	20	11	1	4	Evansville S.	T6S, R11W, 23 SW-1/4, SE-1/4	37°58'50"/87°36'27"	In US Naval Reserve area, .11 mi. north of SR 62, .12 mi. east of Barker Ave
82	21	8	1	4	Evansville N.	T6S, R11W, 13 NW-1/4, NE-1/4	38°00'20"/87°35'24"	.13 mi. south of Allen lane., .2 mi west of Illinois Central RR.
82	22	11			Evansville S.	T6S, R11W, 13 NE-1/4, SW-1/4	37°59'55"/87°35'40"	.3 mi. east of US 460, .67 mi. north of WFLA TV tower.
82	23	8	1	4	Evansville N.	T6S, R11W, 13 SW-1/4, NW-1/4	38°00'06"/87°35'55"	.07 mi. south of SR 66, .08 mi. east of St. Joseph Ave.
82	24	5	1	1	Evansville N.	T6S, R11W, 11 NE-1/4, SW-1/4	38°00'50"/87°36'43"	.08 mi. east of Mesker Park Dr., .41 mi. north of Allen lane.
82	25	4	1	1	Evansville N.	T5S, R10W, 8 NW-1/4, NW-1/4	38°06'17"/87°33'40"	.01 mi. west of Martin Rd., on SWC of pond, .26 mi. south of Inglesfield Rd.
82	26	6	2	1	Evansville N.	T5S, R10W, 17 SE-1/4, NE-1/4	38°05'23"/87°32'57"	.28 mi. south of New Harmony Rd., .4 mi. east of US 41, at end of undeveloped road.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
82	27	5	1	1	Evansville N.	T6S, R10W, 5 NW-1/4, NE-1/4	38°01'56"/87°33'08"	.1 mi. due SE of county home on southside of dirt road, .36 mi. west of Pigeon Creek.
82	28	11	1	1	Evansville N.	T6S, R10W, 17 NW-1/4, NW-1/4	38°00'19"/87°33'49"	.1 mi. north of Olmstead Ave., .05 mi. east of Pigeon Creek.
82	29	11	1	1	Evansville N.	T6S, R10W, 17 NW-1/4, NW-1/4	38°00'23"/87°33'42"	At end of dead end road, .03 mi. south of Pigeon Cr., .12 mi. north of Olmstead Avenue.
82	30	11	1	1	Evansville N.	T6S, R10W, 18 NE-1/4, NE-1/4	38°00'11"/87°33'57"	.03 mi. south and east of Pigeon Cr., at end of dirt rd.
82	31	18	3	4	Evansville S.	T7S, R10W, 3 SW-1/4, SW-1/4	37°56'05"/87°31'45"	.03 mi. east of Weinback Ave., large area on both sides of road.
82	32	3	2	4	Evansville S.	T7S, R10W, 4 NW-1/4, SW-1/4	37°56'23"/87°32'50"	.05 mi. east of US 41, 25 mi. SW of drive-in theater
82	33	7	1	1	Daylight	T6S, R10W, 12 NW-1/4, SE-1/4	38°00'37"/87°28'48"	.33 mi. west of Burkhardt Rd., .7 mi. south of Hirsch Rd., .02 mi. east of Crawford Brandie Ditch.

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(3) = Masonry/Concrete
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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
82	34	7	3	1	Daylight	T6S, R10W, 1 SE-1/4, NE-1/4	38°01'47"/87°28'30"	.06 mi. west of Burkhardt Rd., .36 mi. south of Heckel Rd.
82	35	6			Daylight	T6S, R10W, 36 NW-1/4, SW-1/4	38°02'22"/87°29'25"	.08 mi. east of N. Green River Rd., .3 mi. north of Heckel Rd.
82	36	7			Daylight	T5S, R10W, 23 SW-1/4, NE-1/4	38°04'23"/87°29'56"	On north side of private drive, .4 mi. west of Green River Rd., .6 mi. north of Kansas Rd.
82	37	6	2	4	Daylight	T6S, R9W, 6 SW-1/4, NE-1/4	38°01'46"/87°27'27"	.11 mi. north of Olmstead Rd., .13 mi. east of County Rd.

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**Type of Material

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 (3) = Masonry/Concrete
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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
83	1	5	1	1	Clinton	T14N, R9W, 8 SE-1/4, SE-1/4	39°40'00"N/87°25'51"W	.05 mi. W of dirt rd., .10 mi. W of SR 63, in curve of unimproved rd.
83	2	5	1	1	Clinton	T14N, R9W, 10 NE-1/4, SW-1/4	39°40'21"N/87°24'04"W	.05 mi. S of cemetery, .15 mi E. of RR tracks, near gravel pit.

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 (3) = Masonry/Concrete
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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
84	1 5 1	2	1	1	New Goshen	T12N, R9W, 14 NE-1/4, NW-1/4	39° 34' 44" N / 87° 22' 35" W	Adjacent to Wabash River flood plain off of 46 W Rd.
84	2 8	3	1	4	Terre Haute	T12N, R9W, 32 SE-1/4, NE-1/4	39° 25' 33" N / 87° 25' 33" W	N of I-70, W of Prairietown Rd.
84	3 19	2	3	1	Terre Haute	T12N, R9W, 18 SE-1/4, NE-1/4	39° 39' 26" N / 87° 26' 46" W	S of Penn Cen. RR, E of SR 150, E of Whitcomb Hts. Housing Addition.
84	4 17	1	1	1	New Goshen	T13N, R9W, 28 SW-1/4, NW-1/4	39° 32' 40" N / 87° 25' 27" W	26 W Rd. at Chicago RR at Coal Creek.
84	5 47	1	1	1	New Goshen	T13N, R9W, 19 SE-1/4, SE-1/4	39° 33' 07" N / 87° 26' 47" W	SR 150 at Chicago RR along Coal Creek, dump is along small abandoned road.
84	6 55	1	1		Terre Haute	T12N, R10W, 25 NW-1/4, SE-1/4	39° 27' 10" N / 87° 28' 00" W	On westside of Darwin Rd., 1/4 mi. N of I-70.
84	7 56	1			Terre Haute	T12N, R10W, 24 NE-1/4, NE-1/4	39° 27' 43" N / 87° 27' 58" W	1/8 mi. E of Jct. of National Rd. and Darwin Rd.
84	8 40	6	1	1	Rosedale	T12N, R9W, 1 SW-1/4, NW-1/4	39° 30' 57" N / 87° 22' 05" W	Just east of dirt rd., .1 mi. E of PC RR tracks, .32 mi. S of Haythorne Ave.
84	9 39	2	1	1	Rosedale	T12N, R9W, 1 SE-1/4, SW-1/4	39° 30' 35" N / 87° 21' 47" W	.15 mi. W of Fruit-ridge Ave., .15 mi. N of lake near mining operation.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
84	29 10	8	1	1	Terre Haute	T12N, R9W, 35 SW-1/4, SE-1/4	39°26'09"N/87°22'31"W	End of dirt road N of Margaret Ave., .2 mi. W of 25th St.
84	34 11	6	1	1	Terre Haute	T12N, R9W, 14 SW-1/4, SE-1/4	39°28'44"N/87°22'33"W	Just N of tracks in RR yard, .12 mi. E of comm. bldg. on 25th St.
84	35 12	6	1	1	Seeleyville	T12N, R9W, 14 SE-1/4, SE-1/4	39°28'50"N/87°22'17"W	N of tracks in RR yard, .1 mi. S of intersection, 5 Ave. /Kester Ave.
84	49 13	4	1	1	New Goshen	T13N, R9W, 23 NW-1/4, SW-1/4	39°33'18"N/87°23'03"W	In trees .23 mi. E of bend in river, .35 mi. S of 34 W Rd.
84	54 14	5	1	1	Rosedale	T13N, R9W, 2 SE-1/4, NE-1/4	39°36'07"N/87°22'25"W	.1 mi. S of Spring Creek, .15 mi. W of US 41.
84	53 15	1	1	1	New Goshen	T13N, R9W, 2 NW-1/4, SE-1/4	39°35'53"N/87°22'46"W	.1 mi. N of unimproved rd., .05 mi. W of drainage ditch.
84	58 16	3	1	1	Rosedale	T13N, R9W, 12 NE-1/4, NW-1/4	39°35'30"N/87°21'34"W	.05 mi. W of L & N RR, .15 mi. S of Spring Creek.
84	7 17	3	2	4	Rosedale	T13N, R9W, 12 NE-1/4, SE-1/4	39°35'02"N/87°21'19"W	Near grain storage silos, .1 mi. E of 3 N Rd.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
84	918	4	1	4	New Goshen	T13N, R9W, 34 SW-1/4, NW-1/4	39°31'47"N/87°24'12"W	.05 mi. E of US 41, just N of power line tower near trees.
84	3819	8	1	1	New Goshen	T12N, R9W, 3 SW-1/4, SW-1/4	39°30'27"N/87°24'07"W	.05 mi. E of gravel pit, .05 mi. N of Harrison Rd.
84	4220	5	1	1	New Goshen	T12N, R9W, 3 NW-1/4, NW-1/4	39°31'13"N/87°24'20"W	Just S of Haythorne Ave. between US 41 and 13th St.
84	2021	4	2	1	Terre Haute	T12N, R9W, 16 NE-1/4, SW-1/4	39°29'07"/87°25'06"W	.1 mi. W of cemetery in wooded area between 3rd Ave. and 8th Ave.
84	2122	5	2	1	Terre Haute	T12N, R9W, 9 SW-1/4, SE-1/4	39°29'38"N/87°24'55"W	Just W of 63-41 interchange, E of dirt rd. leading from Maple Ave.
84	3223	8	1	1	Terre Haute	T12N, R9W, 21 SW-1/4, NW-1/4	39°28'20"N/87°25'26"W	.1 mi. W of Wabash River, .05 mi. S of PC RR.
84	3324	8	1	1	Terre Haute	T12N, R9W, 21 NW-1/4, NW-1/4	39°28'33"N/87°25'22"W	Near bend in dirt rd., .15 mi. W of river, .05 mi. S of PC RR tracks.
84	3025	8	1	1	Terre Haute	T12N, R9W, 33 NW-1/4, NW-1/4	39°26'52"N/87°25'30"W	Along river, between rd. and small pond, due W of junkyard.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
84	28 26	9	1	1	Terre Huate	T11N, R10W, 12 SE-1/4, NE-1/4	39°24'50"N/87°27'44"W	Near gravel pit, .01 mi. N of Blocksom Rd., .35 mi. E of river.
84	27 27	9	1	1	Terre Haute	T11N, R10W, 12 NW-1/4, SE-1/4	39°24'40"N/87°27'58"W	At Y intersection of county rds., along river.
84	26 28	9	1	1	Terre Haute	T11N, R10W, 12 SW-1/4, SE-1/4	39°24'28"N/87°28'08"W	.05 mi. E of river, along county rd.
84	25 29	4	1	1	Terre Haute	T11N, R10W, 13 NE-1/4, NW-1/4	39°24'05"N/87°28'16"W	.05 mi. W of county rd., .1 mi. S of small pond.
84	21 30	9	1	1	Terre Haute	T12N, R9W, 30 NW-1/4, NW-1/4	39°27'40"N/87°27'30"W	.25 mi. E of intersection of US 40 and Sugar Cr., .05 mi. S of US 40.
84	45 31	6	1	1	New Goshen	T13N, R9W, 29 NW-1/4, SE-1/4	39°32'28"N/87°26'04"W	Just N of 28 W Rd., .1 mi. E of SR 63.

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County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	°Latitude/°Longitude	Directions to Site
89	38 1	4	1	1	Greens Fork	T18N, R14E, 31 SE-1/4, SW-1/4	39°57'48"N/85°00'25"W	Immediately S of curve in Chesapeake and Ohio RR tracks, .4 mi. N of US 35.
89	34 2	5	1	1	Richmond	T16N, R14E, 10 NW-1/4, NE-1/4	39°51'33"N/84°56'45"W	.4 mi. S of I-70 on W bank of small lake .25 mi. N of Penn RR tracks.
89	14 3	6	2	1	Richmond	T13N, R2W, 24 NE-1/4, NW-1/4	39°47'05"N/84°56'17"W	.07 mi. E of Abington Pike, just S of bend in Lick Creek.
89	4 4	7	2	4	Richmond	T14N, R1W, 31 NE-1/4, SW-1/4	39°50'07"N/84°55'04"W	In gravel pit, .13 mi. E of NW 13th St., .11 mi. S of Penn RR tracks.
89	18 5	4	2	1	Richmond	T14N, R1W, 30 SW-1/4, SE-1/4	39°50'48"N/84°54'52"W	Just S of gravel pit, .06 mi. W of small lake, .35 mi. W of US 35, SR 38
89	29 6	1	1	1	Richmond	T14N, R1W, 30 SE-1/4, SW-1/4	39°50'42"N/84°55'20"W	Between small lake and medium-duty rd. about .08 mi. S of Penn RR tracks.
89	33 7	2	1	1	Richmond	T14N, R1W, 30 NE-1/4, NE-1/4	39°51'30"N/84°54'35"W	.15 mi. SW of intersection of Chesapeake and Ohio RR and Penn RR tracks.
89	19 8	3	2	1	Richmond	T14N, R1W, 20 NW-1/4, SW-1/4	39°51'51"N/84°54'20"W	.1 mi. E of SR 627 just N of termination of light duty rd.
*Type of Disposal Site		**Type of Material						
(1) = 1 acre or less		(1) = Trash/Garbage						
(2) = 1-5 acres		(2) = Demolition Materials						
(3) = More than 5 acres		(3) = Masonry/Concrete						
		(4) = Industrial Wastes						
		(5) = Other						

County Code	Site No.	No. of Slides	Size*	Type of Material**	Quadrangle Name	Twp./Range/Sec. 1/4-1/4 Sec.	Latitude/Longitude	Directions to Site
89	329	6	1	1	Richmond	T14N, R1W, 30 NW-1/4, NW-1/4	39°51'22"N/84°55'35"W	.07 mi. SE of T-junction of Rich Rd. and Flatley Rd.
89	410	3			Fountain City	T14N, R1W, 17 NW-1/4, SW-1/4	39°52'47"N/84°54'15"W	On intermittent cr. .18 mi. E of SR 627.
89	411	5			Richmond	T14N, R1W, 17 SE-1/4, SW-1/4	39°52'28"N/84°53'57"W	.15 mi. due N of I70 .45 mi. due E of SR 627.
89	312	5			New Paris	T14N, R1W, 22 SW-1/4, NW-1/4	39°52'02"N/84°52'12"W	.29 mi. S. of I70; .15 mi N of Middle Fork Reservoir.
89	313	6	1	1	Fountain City	T14N, R1W, 17 SE-1/4, NE-1/4	39°52'59"N/84°53'23"W	On E bank of W. Fork; .1 mi. W of US 27.
89	414	4	1	1	Hagerstown	T17N, R12E, 14 NW-1/4, SE-1/4	39°55'30"N/85°08'20"W	.15 mi. S of Crull Rd.; .23 mi. E of SR 1.
89	415	3	1	1	Richmond	T14N, R1W, 32 SE-1/4, NE-1/4	39°50'12"N/84°53'35"W	.08 mi. E of White-water R.; .55 mi. N of PC RR.

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DEMONSTRATION SLIDE SHOW
OF AERIAL SEARCH METHODOLOGY

<u>Slide Number</u>	<u>Subject of Slide</u>
1	County highway map - scale: 1" = 1 mile.
2	USGS topographic maps - scale: 1:24,000, 1" = .39 mile.
3	FAA Aeronautical Sectional Charts, scale: 1:500,000.
4	Research assistant preparing flight maps.
5	Sketched map of flight zone around Monroe County Airport
6	ESAC personnel loading airplane.
7	Clipboard used to "label" film rolls.
8	Site 53-28 from 3/4 mile out.
9	Site location is recorded on highway map.
10	Field notes are taken. Take note of Site #29. The number was later recoded to Site #28.
11	Research assistant labels slides.
12	Alpha-numeric index to topographic maps.
13	Bloomington topographic quadrangle map - used for photo interpretation.
14	Field notes also used for photo interpretation.
15	Photo interpretation compares maps with slides.
16	Site 53-28 from 1/2 mile away - oblique photograph.
17	Site 53-28 from 1/2 mile away - oblique photograph.
18	Site 53-28 from 1/8 mile away - near verticle photograph. Note that the above slides circle Site 53-28.
19	Site 53-28 - oblique photograph - shows the same view as the map in demonstration slide number 20.
20	Topographic map showing the same area as demonstration slide number 19. The site in question is plotted as 12-29 (flight 12-site 29) and was later recoded to 53-28 (County 53 - Site 28).

Slide NumberSubject of Slide

- | | |
|----|--------------------------------------------------------------------|
| 21 | Latitude/Longitude grid overlay. |
| 22 | Grid overlap on topographic map. |
| 23 | Close up of grid overlay. |
| 24 | Photo interpretation sheet from flight 12. |
| 25 | Low altitude close up (1,000 ft. AGL - 205 mm lens) of Site 53-28. |
| 26 | Case study of Site 53-28. |
| 27 | Case study of Site 53-28. |
| 28 | Case study of Site 53-28. |
| 29 | Case study of Site 53-28. |
| 30 | Case study of Site 53-28. |
| 31 | Case study of Site 53-28. |
| 32 | Case study of Site 53-28. |
| 33 | Case study of Site 53-01. |
| 34 | Case study of Site 53-01. |
| 35 | Case study of Site 53-01. |
| 36 | Case study of Site 53-01. |
| 37 | Case study of Site 53-01. |
| 38 | Case study of Site 53-01. |
| 39 | Case study of Site 53-01. |
| 40 | Case study of Site 53-01. |
| 41 | Case study of Site 53-21. |
| 42 | Case study of Site 53-21. |
| 43 | Case study of Site 53-21. |
| 44 | Case study of Site 53-21. |
| 45 | Case study of Site 53-21. |
| 46 | Case study of Site 53-27. |

Slide NumberSubject of Slide

47	Case study of Site 53-27.
48	Case study of Site 53-27.
49	Case study of Site 53-27.

PART II

DATA SEARCH FOR OPEN DUMP INVENTORY
REVIEW OF EXISTING RECORDS

By

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Indiana University
School of Public and Environmental Affairs
Environmental Systems Application Center

Prepared For

Indiana State Board of Health
Solid Waste Management Section

The contract between the Indiana State Board of Health (ISBH) and Indiana University School of Public and Environmental Affairs (SPEA) for the Data Search for Open Dump Inventory Project required that SPEA staff review existing records of the ISBH and compile a list of known nonpermitted solid waste disposal sites in Indiana.

The closed nonpermitted solid waste disposal sites are listed by county in Table 1 along with geographic descriptors. The operating nonpermitted solid waste disposal sites are listed in Table 2.

These sites have been plotted on county highway maps (scale: 1" = 1 mile) using open black square and solid black squares for closed and operating sites, respectively.

TABLE 1
CLOSED SOLID WASTE DISPOSAL SITES

County Name	Cnty Code	Site SW#	Legal Description Rnge/Twnshp/Sec/¼/¼	Size Ac	7.5 min Quad Code	Latitude deg/min/sec	Longitude deg/min/sec
Bartholomew	03	8	6E/9N/30/SE¼/SE¼	30		39/11/21	85/53/50
"	03	Non Obj	6E/9N/13/SW¼/W¼	10		39/13/15	85/49/08
Crawford	13	102	1E/2S/1/SW¼/NW¼	10		35/22/18	86/21/47
Crawford	13	194	1E/2S/19/SW¼/SW¼	17		38/19/23	86/27/20
Clay	11	86	7W/13N/26/NE¼/NE¼	77		39/32/50	87/08/44
"	11	236	6W/11N/18/NE¼/SE¼	25		39/23/44	87/06/48
Elkhart	20	101	5E/37N/29/NE¼/SW¼	80		41/38/07	85/58/22
"	20	169	4E/38N/25/SW¼/SE¼	30		41/42/48	86/00/53
Fayette	21	59	13E/14N/8/NE¼/W¼	30		39/40/56	85/05/56
"	21	76	12E/13N/15/SE¼			39/34/24	85/10/51
"	21	54	12E/14N/23/NE¼	120		39/39/17	85/08/57
Grant	27	190	9E/24N/6/SE¼	24		40/33/24	85/32/52
Greene	28	119	7W/7N/5/NE¼	14		39/04/44	87/12/27
Greene	28	223	7W/7N/36/SW¼/SW¼/SW¼	5		38/59/48	87/08/43
Hamilton	29	74	4E/18N/12/NE¼	55		40/01/32	86/01/06
Howard	34	GS 1444	2E/23N/9/SW¼/W¼	31		40/27/00	86/18/57
"	34	149	4E/24N/20/NW¼/W¼	80		40/31/00	86/06/19
"	34	160	4E/24N/32/NW¼	15		40/29/15	86/06/08
Huntington	35	67	8E/27N/28/NE¼/NW¼	19		40/46/00	85/37/43
Jackson	36	68	4E/6N/29/NE¼/NW¼	40		38/55/57	86/06/05
"	36	61	3E/5N/22/NE¼/SE¼	35		39/02/03	86/10/34
"	36	13	6E/5N/11/SW¼	40		38/53/07	85/49/38
"	36	104	4E/6N/30/SE¼/SW¼	40		38/55/18	86/07/12
Jennings	40	25	7E/7N/30/SW¼	80		39/01/03	85/47/35
Johnson	41	1	3E/13N/28/SE¼	22		39/32/10	86/12/07
Kosciusko	43	71	7E/33N/2/SW¼	60		41/20/29	85/41/12
"	43	147	5E/31N/12/SE¼/W¼	30		41/08/53	85/54/57
"	43	107	5E/32N/26/NW¼/SW¼	40		41/11/55	85/54/57
"	43	72	6E/31N/31/SE¼	120		41/00/07	85/54/03

County Name	Cnty Code	Site SW#	Legal Description Rnge/Twnshp/Sec/¼/¼	Size Ac	7.5 min Quad Code	Latitude deg/min/sec	Longitude deg/min/sec
Lake	45	153	9W/34N/1/NW¼	40		41/25/53	87/32/52
"	45	230	7W/36N/33/NW¼/SW¼/NE¼	3		41/31/40	87/13/54
"	45	191	7W/36N/20/NW¼	2		41/33/45	87/15/15..
"	45	109	9W/36N/11/SE¼/S½	110		41/35/03	87/25/03
Laporte	46	138	2W/37N/18/NE¼	222		41/39/40	86/41/07
Marion	49	140	3E/15N/15/SW¼/SE¼	13		39/44/24	86/11/28
"	49	187	4E/15N/21/W½	45		39/14/07	86/05/53
Morgan	55	132	1E/12N/27/SW¼	2		39/26/37	86/24/52
Morgan	55	65	1E/11N/12/SE¼/NE¼	4		39/24/15	86/21/53
Noble	57	121	10E/34N/31/NW¼/N½	11		41/21/59	85/25/04
"	57	19	11E/34N/9/¼ mi. s. of Kendallville			41/25/22	85/15/48
Pike	63	124	7W/1S/18/SE¼/NE¼			38/25/39	87/14/14
Posey	65	228	13W/6S/8/NW¼/E½	36		38/01/15	87/53/55
Ripley	69	91	10E/7N/25/SW¼/SE¼			39/01/07	85/21/40
St. Joseph	71	78	2E/37N/34/NE¼	111		41/37/03	86/16/37
"	71	84	2E/37N/22/NE¼	15		41/38/46	86/16/43
Vanderberg	82	159	11W/6S/2/SE¼/S½	47		38/01/28	87/36/18
Vermillion	83	55	9W/16N/9/SW¼	4		39/50/30	87/25/25
Vigo	84	137	9W/12N/18/NE¼/NW¼	70		39/29/23	87/26/40
Wabash	85	100	6E/30N/27/SE¼/N½	30		41/01/09	85/53/43
"	85	128	6E/29N/9/NW¼	25		40/58/29	85/52/03
"	85	95	6E/27N/9/S½/N¼	24		40/47/43	85/51/29
"	85	N/O	6E/27N/16/SW¼/SE¼	6		40/47/51	85/52/47
"	85	27	6E/28N/36/SE¼	20		40/49/43	85/47/45
"	85	GS 1375	10W/7S/4/SW¼/SE¼	72			
Warrick	87	10	8W/7S/3/SW¼	40		37/56/07	87/18/00
Wayne	89	2	13E/17N/¾/NE¼/SE¼	29		39/53/20	85/03/21
Wells	90	70-28	11E/28N/12/SE¼/W½	108		85/13/50	40/53/34

TABLE 2
OPERATING SOLID WASTE DISPOSAL SITES

OPERATING SOLID WASTE DISPOSAL SITES
(Jan/80)

County Name	Cnty Code	Site SW#	Legal Description Rnge/Twnshp/Sec/¼/¼	Size Ac	7.5 min Quad Code	Latitude deg/min/sec	Longitude deg/min/sec
Dams	01	186	14E/27N/8/SW¼/E½	62		40/48/23	84/58/12
"	01	179	14E/25N/16/SW¼/	41		40/37/09	84/56/58
"	01	156	14E/28N/28/NE¼/W½	49		40/51/30	84/56/42
Allen	02	167	13E/80N/21/NE¼	155		41/02/33	85/03/45
"	02	N/O	12E/30N/30/NW¼	158		41/01/40	85/13/15
"	02	174	12E/30N/19/E½/E½	112		41/02/25	85/12/40
Bartholomew	03	135	7E/9N/18/NW¼/W½	90		39/13/45	85/47/55
"	03	N/O	6E/9N/13/SW¼/W½	10		39/14/06	85/52/21
Benton	04	97	8W/25N/15/SW¼/S½	14		40/36/35	87/19/07
Blackford	05	155	10E/23N/24/NE¼/NW¼	26		40/26/02	85/20/22
Boone	06	152	2E/18N/21/SW¼/S½	69		39/59/01	86/39/10
Brown	07	93	2E/10N/23/SW¼/SE¼	20		39/17/00	86/16/52
Carroll	08	166	2W/25N/33/S½	82		40/34/03	86/38/51
Carroll	08	72-47	1W/26N/18/NW¼	40		40/42/15	86/42/04
Cass	09	182	2E/26N/6/SW¼/SE¼	32		40/43/26	86/20/55
Clark		162	State Road 37 Junction 62 Clarksville, IN				
"	10	6	6E/1S/3/SW¼/N½	119		38/27/23	85/50/37
Clay	11	58	6W/11N/4/NW¼/W½	35		39/25/37	87/05/20
"	11	82	6W/10N/3/SE¼/SE¼	237		39/19/50	87/03/22
"	11	14	7W/12N/21/NE¼/W½	22.55		39/28/22	87/11/20
Clinton	12	178	1W/22N/29/NW¼	65		40/19/33	86/33/23
Crawford	13	214	1W/1S/35/SE¼/SW¼	9		38/23/02	86/29/00
Daviess	14	161	6W/3N/23/NE¼/N½	20		38/41/00	87/02/30
"	14	70-24	6W/4N/2/SE¼/NE¼	10		38/48/22	87/02/20
Dearborn	15	44	1W/6N/26/NW¼	70		39/09/30	84/51/10
"	15	71-40	1W/5N/15/SE¼/SE¼	26		39/05/25	84/51/30
"	15	125	2W/4N/15/NE¼	82		84/58/20	39/00/52
Decatur	16	38	10E/10N/16/SW¼/S½	55		39/18/38	85/25/10

(Jan/80)

County Name	Cnty Code	Site SW#	Legal Description Rnge/Twnshp/Sec/¼/¼	Size Ac	7.5 min Quad Code	Latitude deg/min/sec	Longitude deg/min/sec
Dekalb	17	125	14E/34N/19/NW¼/W½	40		41/23/30	85/57/47
Delaware	18	105	10E/20N/21/NE¼/SE¼	31		40/10/23	85/23/21
"	18	113	11E/20N/4/NE¼	49		40/12/57	85/16/43
Dubois	19	9	5W/2S/9/NW¼/E½	69		38/21/45	86/58/20
Elkhart	20	192	5E/37N/32/NE¼/NE¼	5		41/37/15	85/08/15
"	20	210	5E/37N/29/NE¼/NE¼	40		41/38/07	85/58/20
"	20	22	6E/35N/22/SE¼/W½	60		41/28/00	85/48/57
Wayette	21	94	12E/15N/5/SW¼/E½	42		39/46/40	85/12/52
Fountain	23	136	7W/19N/8/NW¼/N½	80		40/6/29	87/14/17
Franklin	24	4	3W/9N/24/S½	80		39/26/05	85/02/20
Fulton	25	111	1E/31N/16/SW¼/SW¼	40		41/07/47	86/25/52
Fulton	25	29	3E/31N/28/NW¼	61		41/6/33	86/12/03
Gibson	26	69	10W/2S/33/NW¼/SW¼	70		38/17/55	87/38/55
Grant	27	213	9E/24N/8/NE¼/SW¼	54		40/32/27	85/31/35
Greene	28	198	6W/7N/22/SE¼/SE¼	47		39/01/30	87/03/22
Hamilton	29	176	4E/18N/12/NE¼	50		40/01/32	86/01/01
Hancock	30	63	8E/15N/21/NE¼/NE¼	70		39/44/25	85/38/05
Harrison	31	131	4E/2S/5/SW¼/SW¼	16		38/21/50	86/06/12
Hendricks	32	15	1W/15N/15/NE¼/NW¼	117		39/44/45	86/30/40
"	32	106	1E/16N/27/NE¼/SW¼	10		39/48/05	86/24/25
Henry	33	75	10E/17N/33/SW¼/NW¼	30		39/52/45	85/24/09
Howard	34	143	5E/23N/10/SW¼	16.5		40/27/20	85/57/07
Howard	34	205	4E/24N/30/SE¼	Tran Sta 4		40/49/47	86/00/00
Huntington	35	16	9E/27N/3/NW¼/S½	45		40/49/27	85/30/13
Huntington	35	26	8E/28N/2/SE¼/NW¼	30.8		40/54/20	85/35/30
Jackson	36	37	6E/5N/34/NW¼/36/NE¼/SE¼	30		38/49/57	85/50/25
Jackson	36	73	3E/5N/16/SW¼/NW¼	60		38/52/00	86/12/15
Jackson	36	221	2E/5N/24/NE¼/SW¼	2		38/46/10	86/08/07

OPERATING SOLID WASTE DISPOSAL SITES
(Jan/80)

County Name	Cnty Code	Site SW#	Legal Description Rnge/Twnshp/Sec/¼/¼	Size Ac	7.5 min Quad Code	Latitude deg/min/sec	Longitude deg/min/sec
Day	38	1524	13E/22N/9/NW¼/W½	40		40/22/38	85/05/15
Jefferson	39	172	10E/4N/23/NE¼	36		38/52/05	85/22/15
Jennings	40	122	7E/7N/36/SE¼/NE¼	6.5		39/00/19	85/41/15
Jennings	40	184	7E/7N/36/NW¼/SE¼	18.5		39/00/30	85/41/50
Johnson	41	40	4E/11N/4/NE¼/W½	60		39/25/45	86/05/25
Kosciusko	43	34	7E/31N/19/SE¼/E½	120		41/07/15	85/47/05
"	43	35	6E/34N/24/SW¼/NW¼	22		41/23/15	85/47/05
"	43	130	5E/34N/2/NE¼/NW¼	25		41/26/00	85/54/45
LaGrange	44	18	10E/36N/7/NW¼/W½	80		41/35/43	85/25/16
"	44	90	10E/36N/1/SW¼/E½	30		41/36/12	85/20/28
Lake	45	223	9W/37N/36/SW¼	62		41/37/00	87/24/30
"	45	133	9W/37N/35/SE¼	69		41/37/00	87/25/05
"	45	197	9W/35N/2/SE¼/NW¼	13		41/30/45	87/24/55
"	45	203	9W/34N/20/SW¼	15		41/23/00	87/29/05
"	45	72-8	9W/36N/31/SE¼			41/37/02	87/29/32
LaPorte	46	225	4W/37N/17/SW¼/E½	68		41/39/20	86/54/29
Lawrence	47	11	1W/5N/34/SE¼/S½	44.7		38/49/10	86/30/05
Madison	48	226	7E/19N/12/NW¼/NE¼	38		40/07/05	85/41/00
Madison	48	207	8E/19N/16/NW¼/NW¼	27.5		40/05/12	85/37/46
"	48	188	7E/21N/15/SE¼/S½	65		40/15/55	85/42/55
Marion	49	17	3E/15N/28/NE¼/SW¼	245		39/43/00	86/12/15
"	49	219	3E/15N/5/SW¼/NW¼	4		39/46/10	86/13/55
Marshall	50	89	1E/34N/21/NE¼/NE¼	22		41/23/20	86/24/30
"	50	80	1E/32N/4/NW¼/SW¼	50.6		41/15/15	86/25/15
"	50	3	3E/35N/34/NE¼/N½	10.4		41/26/55	86/09/30
Martin	51	LA-3	4W/3N/10/NW¼/SW¼	24		38/42/35	86/50/50
Miami	52	23	4E/28N/25/SW¼/S½	30		40/50/22	86/01/51
"	52	164	4E/26N/30/SW¼/NW¼	70		40/40/00	86/07/30

OPERATING SOLID WASTE DISPOSAL SITES
(Jan/80)

County Name	Cnty Code	Site SW#	Legal Description Rnge/Twnshp/Sec/¼/¼	Size Ac	7.5 min Quad Code	Latitude deg/min/sec	Longitude deg/min/sec
Monroe	53	46	1W/10N/25/NW¼/NE¼	100		39/16/45	86/28/35
"	53	227	1W/10N/24/SW¼/S¼	74		39/16/55	86/28/45
Montgomery	54	175	4W/19N/29/SE¼/N¼	39		40/03/32	87/00/13
Newton	56	108	8W/29N/28/SW¼/SE¼	20		40/55/42	87/20/52
"	56	212	9W/30N/33/SW¼/E¼	11		41/00/12	87/27/37
Noble	57	177	10E/34N/32/SW¼	40		41/21/25	85/24/05
Orange	59	141	1W/2N/27/NW¼/SE¼	25		38/34/55	86/30/55
Owen	60	218	5W/10N/15/SE¼/NE¼	51		39/18/10	86/56/50
Parke	61	195	7W/15N/18/NE¼/SW¼	73		39/44/55	87/13/15
Perry	62	209	3W/6S/11/NW¼/S¼	80		38/00/30	86/42/40
Pike	63	163	7W/1S/22/NW¼/SW¼	13.2		38/24/47	87/10/55
Porter	64	193	7W/35N/2/NW¼/S¼	60		41/30/55	87/11/43
"	64	168	5W/36N/31/NE¼/N¼	80		41/31/58	87/01/45
Posey	65	45	13W/4S/14/SW¼/NW¼	16		38/10/37	87/50/05
"	65	158	14W/7S/9/SE¼/SE¼	40		37/55/10	87/59/33
"	65	N/O	14W/7S/9/SE¼/SE¼	27		37/55/40	87/59/20
Posey	65	211	12W/7S/13/NW¼/SE¼	46		37/54/45	87/42/27
"	65	150	13W/6S/24/NE¼/NE¼	40		37/59/30	87/48/55
Pulaski	66	12	2W/30N/25/NW¼/NE¼	16		41/01/32	86/35/07
Putnam	67	32	4W/14N/29/NW¼/E¼	31		39/37/45	86/52/50
Randolph	68	142	13E/19N/19/SE¼	120		40/04/57	85/06/55
Ripley	69	64	12E/9N/7/SE¼/S¼	80		39/14/15	85/13/45
"	69	N/O	12E/9N/36/SE¼/NW¼	80		39/10/51	85/08/19
Scott	72	171	7E/2N/9/SE¼/NW¼	46		38/37/30	85/44/45
Shelby	73	71-14	7E/14N/2/SW¼/NW¼	65		39/41/25	85/43/23
"	73	217	6E/12N/2/SW¼/NW¼	3		39/30/58	85/50/02
St. Joseph	71	134	2E/38N/32/NW¼/NW¼	140		41/42/30	86/20/00
Starke	75	154	1W/32N/8/NE¼/SW¼	22		41/10/20	86/32/45

(Jan/80)

County Name	Cnty Code	Site SW#	Legal Description Rnge/Twnshp/Sec/ $\frac{1}{4}$ / $\frac{1}{4}$	Size Ac	7.5 min Quad Code	Latitude deg/min/sec	Longitude deg/min/sec
Steuben	76	170	13E/37N/27/NW $\frac{1}{4}$ /NE $\frac{1}{4}$	43		41/38/30	85/01/13
"	76	189	14E/36N/13/NW $\frac{1}{4}$ /SE $\frac{1}{4}$	16		41/35/00	85/52/12
Sullivan	77	222	8W/6N/28/SW $\frac{1}{4}$ /SE $\frac{1}{4}$	40		38/55/15	87/20/40
"	77	98	8W/8N/31/SE $\frac{1}{4}$ /E $\frac{1}{2}$	80		39/05/20	87/20/12
Switzerland	78	110	3W/2N/15/SW $\frac{1}{4}$ /SW $\frac{1}{4}$	12		38/44/40	85/05/55
Tippecanoe	79	60	4W/23N/9/NE $\frac{1}{4}$	82		40/27/26	86/52/27
Tipton	80	173	4E/21N/24/NE $\frac{1}{4}$ /E $\frac{1}{2}$	80		40/17/10	86/4/17
Union	81	88	1W/12N/32/SW $\frac{1}{4}$ /SW $\frac{1}{4}$	12		39/39/25	84/54/22
Vanderburgh	82	216	10W/5S/12/NW $\frac{1}{4}$ /SE $\frac{1}{4}$	70		38/06/15	87/29/02
"	82	220	11W/6S/1/NW $\frac{1}{4}$ /N $\frac{1}{2}$	115		38/02/05	87/35/30
Vermillion	83	232	9W/16N/15/SW $\frac{1}{4}$ /W $\frac{1}{2}$	30		39/50/30	87/28/05
"	83	215	9W/16N/22/SE $\frac{1}{4}$ /SW $\frac{1}{4}$	23		39/48/40	87/23/45
"	83	206	10W/14N/23/NE $\frac{1}{4}$ /NE $\frac{1}{4}$	18		39/39/05	87/29/15
"	83	202	9W/16N/3/SW $\frac{1}{4}$ /NE $\frac{1}{4}$	40		39/51/35	87/24/10
"	83	201	9W/15N/33/SW $\frac{1}{4}$ /NW $\frac{1}{4}$	40		39/42/05	87/25/30
"	83	224	9W/15N/9/NE $\frac{1}{4}$ /NW $\frac{1}{4}$.6		39/45/57	87/24/52
Vigo	84	120	7W/13N/17/SW $\frac{1}{4}$ /NW $\frac{1}{4}$	76		39/34/10	87/12/56
"	84	118	8W/10N/18/NW $\frac{1}{4}$ /NW $\frac{1}{4}$	225		39/18/57	87/20/55
"	84	137	9W/12N/17/NW $\frac{1}{4}$	70		39/29/23	87/26/22
"	84	117	8W/12N/26/E $\frac{1}{2}$	100		39/27/33	87/23/18
Wabash	85	200	7E/28N/33/NW $\frac{1}{4}$	20		40/50/12	85/45/06
"	85	126	6E/27N/1/NE $\frac{1}{4}$	27		40/49/22	85/47/49
"	85	157	6E/27N/1/NE $\frac{1}{4}$ /SW $\frac{1}{4}$	42		40/49/10	85/47/50
Warren	86	62	9W/22N/9/SW $\frac{1}{4}$ /NE $\frac{1}{4}$	26		40/20/12	87/25/41
Warrick	87	92	8W/6S/12/NE $\frac{1}{4}$ /S $\frac{1}{2}$	100		37/55/41	87/19/13
"	87	199	8W/7S/9/NW $\frac{1}{4}$	54		37/56/42	87/19/13
Washington	88	36	3E/2N/1/NE $\frac{1}{4}$ /S $\frac{1}{2}$	78		38/38/25	86/07/45
Wayne	89	151	1W/14N/26/NE $\frac{1}{4}$ /E $\frac{1}{2}$	50		39/51/20	84/50/07

OPERATING SOLID WASTE DISPOSAL SITES
(Jan/80)

County Name	Cnty Code	Site SW#	Legal Description Range/Township/Sec/ $\frac{1}{4}$ / $\frac{1}{4}$	Size Ac	7.5 min Quad Code	Latitude deg/min/sec	Longitude deg/min/sec
Wells	90	70-28	11E/28N/12/SE $\frac{1}{4}$ /W $\frac{1}{2}$	108		40/53/32	85/14/53
"	90	114	11E/26N/23/SW $\frac{1}{4}$ /W $\frac{1}{2}$	60		40/41/12	85/15/27
White	91	21	4W/27N/10/NW $\frac{1}{4}$ /NW $\frac{1}{2}$	4		40/48/30	86/52/57
White	91	181	3W/27N/26/NE $\frac{1}{4}$ /SE $\frac{1}{2}$	6.0		40/45/42	86/43/06
"	91	41	4W/27N/31/NW $\frac{1}{4}$ /NE $\frac{1}{2}$	20		40/44/55	86/55/17
Whitley	92	208	9E/32N/8/SW $\frac{1}{4}$ /NE $\frac{1}{4}$	38		41/14/30	85/30/47