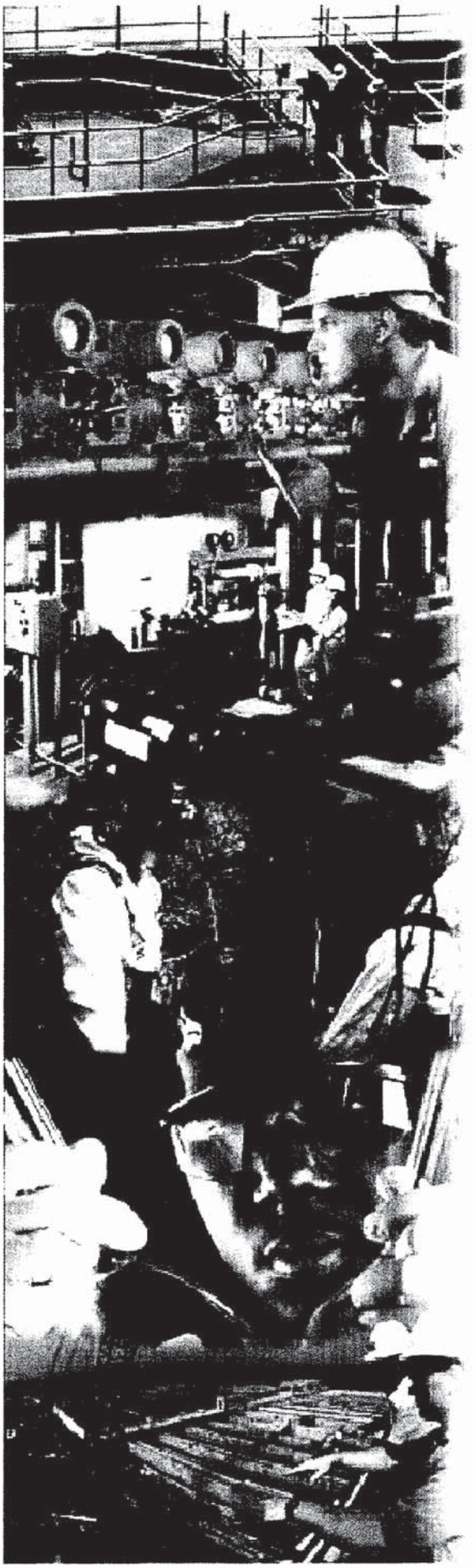

METCALF & EDDY | AECOM

KILGORE FARM PROPERTY
800 TUSSIC STREET
WESTERVILLE, OHIO

Latitude: 40° 08′ 26″ N
Longitude: 82° 54′ 08″ W

VOLUNTARY ACTION PROGRAM
OAC 3745-300-06
PHASE I PROPERTY ASSESSMENT AMENDMENT

Volume II of II
Appendices E - P

CERTIFIED ENVIRONMENTAL PROFESSIONAL
GERALD R. MYERS, C.E.P. 131

Prepared for

Davidson Phillips, Inc.
1152 Goodale Blvd.
Columbus, Ohio 43212
and
The Keethler Company
7670 Olentangy River Rd., St. 200
West Worthington, Ohio 43235

Revised for

Otterbein College
One Otterbein College
Westerville, Ohio 43081

June 2005

Prepared by:

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OC 010174

KILGORE FARM PROPERTY
800 TUSSIC STREET
WESTERVILLE, OHIO

Latitude: 40° 08′ 26″ N
Longitude: 82° 54′ 08″ W

VOLUNTARY ACTION PROGRAM
0AC 3745-300-06
PHASE I PROPERTY ASSESSMENT AMENDMENT

VOLUME II of II
APPENDICES E-P

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June 2005

OC 010175

TEMIK® Brand 15G Aldicarb Pesticide EPA REG. No. 264-330

SOIL RESTRICTION TABLE

FOLLOW THE LISTED ADDITIONAL RESTRICTIONS if the soil types are present in your state:

ALABAMA

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within 300 feet of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

alaga	bigbee	crevasse	fripp	leon	rumford
alpin	bruno	duckston	gorgas	louisburg	saffell
americus	cartecay	eustis	jones	osier	scranton
bankhead	chipley	flomaton	kalmia	pactolus	tarboro
bassfield	corolla	foxworth	lakeland	plummer	

COLORADO

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within 300 feet of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

acasco	columbine	gilcrest	lonetree	pescar	tassel
adilis	comad	glenberg	luning	peyton	terry
alda	como	gracot	manhattan	platte	thiel
alex	corlett	graypoint	manter	pring	thoroughfare
apmay	costilla	gretdivid	marosa	quamon	tine
azeltine	cotopaxi	grimstone	maybell	ratake	tipper
bangston	coyet	gunbarrel	maysprings	redrob	tipperary
bankard	crestman	hiwan	medano	relsob	tivoli
barcus	curecanti	hobacker	mespun	riverwash	tolby
baroid	dahlquist	hooper	miracle	ruedloff	tomah
becks	dailey	howardsville	moenkopie	ruhe	trail
bernal	derrick	ildefonso	montez	ryan park	tricera
bijou	dix	inavale	moosed	ryark	truckton
blackston	driggs	ipage	mosca	sabe	trude
blakeland	dunday	ironsprings	mysten	saguache	tullock
blanca	dunul	juget	naturita	san arcacio	uffens
bobtail	dwyer	julesburg	nederland	santana	uracca
boel	eachuston	kandaly	nelson	satanta	utica
bond	eckley	kassler	nesda	schamber	valent
bottle	ecklund	kerber	newcomb	schooner	valentine
bowdish	ellicott	kettle	newfork	sheppard	vasquez
bresser	els	kippen	newlin	silvercliff	vastine
broad canyon	elsmere	laird	niwot	southace	vernal
cabin	falcon	larim	norriston	space city	willwood
canlodore	farb	las	numa	spool	yetull
cascajo	florita	las animas	orsa	st. elmo	yoder
chappell	fourmile	layoint	osgood	stapleton	zeona
cheyenne	frisco	legault	ouray	stecum	
clark fork	fruitland	leighcan	pando	stoneham	
cliffdown	gas creek	lincoln	patna	stunner	
colby	gerrard	littlebear	peetz	tabernash	

CONNECTICUT

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within 500 feet of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

agawam	canton	farmington	hollis	penwood	suncook
amenia	charlton	fredon	holyoke	pipestone	sutton
belgrade	cheshire	gloucester	manchester	pootatuck	wareham
birchwood	copake	groton	merrimac	poquonock	windsor
branford	deerfield	hartford	montauk	saco	yalesville
brimfield	ellington	hero	nellis	scarboro	
brookfield	enfield	hinckley	occum	sudbury	

OC 010176

SOIL RESTRICTION TABLE (continued)

DELAWARE

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

atsion	evesboro	kenansville	osier
collington	kalmia	klej	rumford

GEORGIA

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

americus	centenary	fripp	kureb	molena	scranton
ashlar	chipley	galestown	lakeland	osier	sweetapple
bigbee	duckston	gorgas	lakewood	ousley	
buncombe	echaw	johns	leon	paola	
cainhoy	eustis	kalmia	louisburg	plummer	
cartecay	flomaton	kershaw	lynn haven	pottsburg	
cedarbluff	foxworth	klej	mandarin	ridgeland	

ILLINOIS

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

ade	coyne	haynie	lanier	parkville	udolpho
alvin	dakota	hesch	lawler	plainfield	ware
backbone	dickinson	hitt	lomax	ridgeville	warsaw
beardstown	disco	homer	lorenzo	roby	watseka
billett	dowagiac	hononegah	martinsville	rockton	waukee
bloomfield	downs	hoopeston	matherton	rodman	waukegan
boone	dresden	iona	maumee	ruark	whalan
bowdre	el dara	kane	minneiska	sarpy	wheeling
boyer	eleva	kankakee	morocco	saude	wirt
burkhardt	flagler	kidder	muskingum	shoals	zumbro
burnside	fox	la hogue	oakville	sparta	
carmi	gale	la rose	ockley	st. charles	
casco	genesee	lacrescent	onarga	stockland	
chelsea	gilford	lamont	orio	stonelick	
chute	haymond	landes	pana	trempealeau	

INDIANA

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

abscota	carmi	fox	maumee	pipestone	st. charles
ade	casco	genesee	millgrove	plainfield	stockland
algansee	ceresco	gilford	monitor	pope	stonelick
alida	chatterton	gravelton	morocco	princeton	tedrow
alvin	chelsea	hanna	moundhaven	prochaska	tracy
ayrshire	chetwynd	haymond	mudlavia	quinn	tyner
beckville	cohoctah	hillsdale	muskingum	riverdale	uniontown
belmore	coloma	homer	nesius	roby	warsaw
billett	conrad	hoopeston	newton	rockton	wasepi
bloomfield	coupee	iona	nineveh	rodman	watseka
bobtown	craigmile	junius	oakville	ruark	weikert
bourbon	dickinson	kalamazoo	ockley	saugatuck	wheeling
boyer	door	kosciusko	onarga	seafield	wirt
brady	dowagiac	landes	ormas	shipshe	zaborosky
branch	dresden	linkville	orrville	shoals	zadog
brems	eldean	lomax	oshtemo	sleeth	
bronson	elston	lydick	ouiatenon	sloan	
bruno	fabius	lyles	piankeshaw	sparta	
burnside	farmington	martinsville	pinhook	spinks	

OC 010177

SOIL RESTRICTION TABLE (continued)

IOWA

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

ankeny	chute	gale	lamont	perks	vore
aureola	coyne	gilford	landes	renova	wadena
backbone	cylinder	grable	lawler	ridgeport	wapsie
bertram	dickinson	hanlon	lilah	rockton	watseka
billett	dickman	hawick	linder	salida	waukegan
bolan	downs	hayfield	marlean	sarpy	whalan
boone	elrick	haynie	monona	saude	winneshiek
brady	estherville	hesch	montieth	sparta	zenor
buckney	fairhaven	hixton	mottland	sunburg	
burkhardt	finchford	hoopeston	nevin	toolesboro	
carr	flagler	kanaranzi	oesterle	udolpho	
chelsea	fruitfield	klum	percival	ulster	

KANSAS

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

albion	dix	jansen	meadin	schamber	valent
bankard	dorrance	kanza	munjor	simeon	valentine
boel	dwyer	las	platte	stephenville	
carr	els	las animas	pratt	sweetwater	
darr	elsmere	likes	quinlan	thurman	
dillwyn	inavale	lincoln	sarpy	tivoli	

KENTUCKY

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

beulah	crevasse	lakin	potomac	saffell	
bruno	flomaton	molena	riverwash	steinsburg	

LOUISIANA

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

alaga	darden	flo	kalmia	lotus	peveto
betis	eustis	hackberry	lakeland	osier	
crevasse	felicity	haggerty	latonia	palm beach	

MAINE

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

abram	colton	fryeburg	medomak	potsdam	sunday
adams	cornish	groveton	melrose	red hook	surplus
allagash	crary	halsey	monadnock	ricker	swanton
au gres	creasey	hermon	monarda	riverwash	telos
bangor	croghan	howland	moosilauke	rumney	thorndike
becket	danforth	kinsman	naskeag	saddleback	togus
berkshire	dixfield	lovewell	naumburg	schoodic	tunbridge
brayton	duane	lyman	nicholville	searsport	waumbek
canaan	eldridge	lyme	ondawa	sheepscot	westbury
caribou	elliottsville	machias	ossipee	shirley	winnecook
cathro	elmwood	madawaska	peacham	sisk	
charles	enchanted	mapleton	peru	skerry	
chesuncook	finch	marlow	plaisted	skowhegan	
colonel	fredon	masardis	podunk	stetson	

OC 010178

SOIL RESTRICTION TABLE (continued)

MARYLAND

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within 300 feet of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

atsion	downer	fort mott	lakeland	osier	st. johns
collington	dragston	galestown	leetonia	remlik	steinsburg
colts neck	evesboro	klej	leon	rumford	swansea

MASSACHUSETTS

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within 500 feet of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

adams	canton	essex	hooksan	pipestone	shelburne
agawam	carver	evesboro	hoosic	pittsfield	sudbury
amenia	charlton	farmington	klej	plymouth	taconic
au gres	chatfield	fredon	lyman	pompton	unadilla
barnstable	cheshire	fullam	merrimac	pootatuck	walpole
belgrade	copake	gloucester	millis	poquonock	whitman
berkshire	deerfield	groton	montauk	quonset	
birchwood	dukes	hero	nellis	riverhead	
brimfield	eastchop	hinckley	norwell	saco	
broadbrook	eldridge	hollis	oakville	saugatuck	
brookfield	enfield	holyoke	occum	scituate	

MICHIGAN

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within 500 feet of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

abbaye	croswell	guardlake	manitowish	oshtemo	sleeth
abscota	cunard	hagensville	martinsville	otisco	sloan
alcona	deer park	halfaday	matherton	ottokee	solona
algansee	deerton	hessel	maumee	padus	sparta
allouez	dighton	hettinger	mcbride	pelkie	spinks
alpena	dixboro	hillsdale	mecosta	pemene	springlake
arkona	dowagiac	hodenpyl	melita	pence	steuben
arkport	dresden	ionia	michigamme	pendleton	sturgeon
arnheim	dryburg	ishpeming	mitiwanga	pequaming	summerville
au gres	dryden	jesso	monico	perrin	sunfield
banat	duel	johnswood	monitor	peshekee	teasdale
beechwood	dunbridge	kalamazoo	montcalm	petticoat	tedrow
blue lake	east lake	kalkaska	moquah	pipestone	tekenink
borski	eastport	karlin	morocco	plainfield	thetford
boyer	eleva	kawkawlin	munising	ponozzo	tula
brady	elmdale	kendallville	nadeau	posen	tyre
branch	elston	kibbie	nahma	remus	velvet
brems	emmet	kidder	newaygo	richter	vilas
bronson	ensign	kingsville	newton	riggsville	wainola
ceresco	ensley	kiva	nottawa	riverdale	waiska
champion	escanaba	klacking	nunica	rodman	wasepi
channing	evart	koontz	oakville	rousseau	whalan
chatham	fabius	landes	ockley	rubicon	winneshiek
cheboygan	fairport	lapeer	oconto	sanilac	winterfield
chelsea	finch	leelanau	okee	saugatuck	woodbeck
cohoctah	fox	leoni	omega	sayner	yalmer
coloma	genesee	liminga	omena	scalley	zimmerman
colonville	gilchrist	locke	onaway	schoolcraft	
coral	gilford	lode	onota	shelldrake	
coupee	gladwin	longrie	ontonagon	shoals	
covert	graycalm	mancelona	ormas	skanee	

OC 010179

SOIL RESTRICTION TABLE (continued)

MINNESOTA

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within 500 feet of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

abscota	cromwell	goodland	langola	nowen	soderville
algansee	cylinder	gotham	lasa	nymore	sparta
alvin	dakota	graycalm	lawler	omega	spinks
andrusia	demontreville	growton	lengby	osakis	sugarbush
ankeny	dickinson	halder	lilah	oylen	sunburg
anoka	dickman	hamar	linder	pierz	sverdrup
arvilla	dorerton	hanlon	lino	plainfield	udolpho
automba	dorset	hawick	litchfield	pomroy	ulen
backbone	dowagiac	hecla	lohnes	poppleton	venlo
beavercreek	duelm	heimdal	lomax	prebish	verndale
becker	egeland	hermantown	maddock	quetico	wabedo
bellechester	elbaville	heyder	mahtomedi	rasset	wadena
billett	eleva	hiwood	malachy	redby	wadenill
blowers	emmert	hixton	marcellon	redeye	warman
boone	estherville	hoopeston	marlean	renova	watseka
brainerd	etter	hubbard	marquette	renshaw	waukee
brodale	evart	huntersville	meehan	ridgeport	waukegan
burkhardt	eyota	insula	menahga	rockton	wawina
burnsville	fairhaven	jewett	meridian	rockwood	whalan
carmi	faunce	kalmarville	minneiska	rosewood	winterfield
chelsea	finchford	kanaranzi	minneopa	rosholt	wykeham
chetek	finland	karlstad	moquah	salida	wykoff
claire	flagler	kasota	mottland	santiago	zimmerman
clontarf	flak	kingsley	nemadji	sartell	zumbro
cloquet	flaming	koronis	newfound	saude	
conic	friendship	la forge	nokay	serden	
copaston	gale	lacrescent	norden	sioux	
cowhorn	genesee	lamont	northfield	snellman	

MISSISSIPPI

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within 300 feet of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

alaga	bigbee	eustis	osier	saffell
bassfield	bruno	lakeland	plummer	st. lucie
beulah	crevasse	latonia	riverwash	

MISSOURI

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within 300 feet of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

alvin	carr	crevasse	grable	riverwash	scotco
beulah	clana	diehlstadt	hodge	saffell	shelldrake
canalou	cooter	eustis	malden	sarpy	towosahgy

MONTANA

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within 500 feet of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

alberton	assinniboine	biglake	breece	chinook	dayschool
alice	attewan	bigsheep	briggsdale	circleville	degrand
allentine	azaar	binna	brownlee	clark fork,	desmet
alona	babb	birney	bullock	coldcreek	dinnen
ambrant	badgerton	blackhall	busby	comad	dominic
amesha	bankard	blackleed	cabba	como	dooley
amor	banks	blaine	cabbart	courville	dryadine
apeldorn	baxendale	blanchard	canburn	cowood	dwyer
apron	bayerton	bonfri	castner	cozberg	earcree
ard	beaverton	borah	chamokane	craddock	elkner
armells	beenom	bowbac	chanta	crago	elve
ashbon	beeskove	brandenburg	charlos	crittenden	ervide
ashlo	belain	branham	cheadle	cushman	ess
ashuelot	bigarm	brantford	cheyenne	dast	ethridge

OC 010180

SOIL RESTRICTION TABLE (continued)

MONTANA (continued)

evaro	kalsted	musselshell	relan	stecum	utica
farnuf	kirby	naz	remmit	stryker	valentine
finleypoint	kiwanis	nelson	rencot	subwell	vastine
firth	krause	nemote	renohill	sudworth	vebar
flasher	labre	nesda	rentsac	tally	victor
flathead	lake creek	nevine	ridge	tamaneen	vona
fleak	lamedeer	niarada	ridgelawn	tamely	wabek
forelle	lantern	nihill	riedel	tenex	wages
frenchcreek	laporte	nippt	riverside	terry	waits
galbreth	larim	noonan	rivra	teton	waldbillig
garlet	lehr	norte	rochester	tevis	walstead
gas creek	libeg	nuley	rootel	thess	walters
geohrock	lihen	nunn	round butte	thiel	wemple
glaciercreek	lisk	oceanet	roxal	tigeron	windham
glenberg	loken	olney	ryegate	tine	winfall
glendive	lolo	oraid	ryell	tineman	winkler
gunbarrel	lolopeak	oro fino	ryorp	tinsley	winnett
hagga	lone rock	outlet	sapphire	tolex	wishard
hamlet	lowercreek	ovando	sawcreek	tolman	woodgulch
hanly	macar	parchin	scravo	toluca	woodhall
hapgood	macfarlane	parshall	selle	tomichi	woodrock
harvey	manhattan	passcreek	selway	travessilla	woodside
haskill	manning	pengilly	seroco	trembles	worland
haugan	marmarth	perma	shadow	trey	wormser
hedstrom	maurice	petty	shawmut	trimad	yegen
hilger	mccaffery	phillcher	sheege	tropal	yellowbay
holloway	mccollum	pishkun	shingle	tullock	yetull
hopley	meadowcreek	poin	shook	turner	
hopsonville	mires	pring	shurley	tusler	
irim	mitten	randman	sixbeacon	twilight	
jocko	mocmont	redcreek	spang	upsata	
jugson	moiese	reeder	splitro	usine	

NEBRASKA

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within 500 feet of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

alda	calamus	fonner	laird	munjor	schamber
alice	campus	gibbon	las	nihill	selia
almeria	canyon	glenberg	las animas	norrest	shingle
altvan	carr	gosper	lawet	nunn	sibleyville
ascalon	cass	gothenburg	leshara	o'neill	simeon
bankard	chappell	grable	lex	oglala	talmo
barney	cheyenne	haynie	lisco	olney	tassel
bayard	dailey	hedville	lockton	ord	thurman
bazile	darr	hemingford	loretto	ortello	trelona
blanche	dickinson	hennings	lute	orwet	tuthill
blendon	dix	hersh	mace	otero	valent
boel	doger	holt	manter	paka	valentine
boelus	duda	humbarger	mcgrew	percival	vetal
bolent	dunday	inavale	mckelvie	pivot	wann
boone	dunn	ipage	meadin	platte	wewela
brocksburg	dwyer	jansen	minatare	ronson	whitelake
brunswick	eckley	janude	minnequa	rosebud	wildhorse
busher	els	jayem	monona	rusco	woodly
bushman	elsmere	johnstown	muir	sarpy	

OC 010181

SOIL RESTRICTION TABLE (continued)

NEW HAMPSHIRE

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

abenaki	deerfield	kearsarge	moosilauke	raynham	sudbury
acton	duane	kinsman	mundal	redstone	sunapee
adams	dutchess	leicester	naumburg	ricker	suncook
agawam	eldridge	lim	newfields	ridgebury	sunday
au gres	elmridge	londonderry	nicholville	rippowam	surplus
bangor	elmwood	lovewell	ninigret	rumney	sutton
becket	fryeburg	lyman	occum	saddleback	swanton
belgrade	glebe	lyme	ondawa	saugatuck	thorndike
berkshire	gloucester	machias	ossipee	scarboro	tunbridge
bernardston	glover	madawaska	paxton	scio	unadilla
caesar	grange	marlow	peacham	scituate	walpole
canaan	groveton	masardis	pennichuck	searsport	wareham
canton	hadley	matunuck	peru	shaker	warwick
cardigan	haven	medomak	pillsbury	sheepscot	waumbek
charles	hermon	melrose	pipestone	sisk	whitman
charlton	hinckley	merrimac	pittstown	skerry	wilmington
chatfield	hinesburg	metallak	plaisted	squamscott	windsor
cohas	hollis	millis	podunk	stetson	winnecook
colton	hoosic	monadnock	pootatuck	stissing	winooski
croghan	houghtonville	monarda	quonset	stratton	woodbridge
dartmouth	howland	montauk	rawsonville	success	worden

NEW JERSEY

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

adelphia	ellington	hasbrouck	lakewood	pascack	shrewsbury
atsion	evesboro	hazen	lansdale	phalanx	st. johns
aura	fallsington	hazleton	leon	plummer	steinsburg
bowmansville	fort mott	hero	matapeake	pompton	swartswood
chenango	fredon	hibernia	matawan	pope	tinton
collington	freehold	holmdel	mullica	preakness	tunkhannock
colonie	fripp	holyoke	nassau	riverhead	wassaic
colts neck	galestown	hooksan	nixon	rockaway	woodstown
downer	gladstone	hoosic	otisville	rowland	wooster
dragston	haledon	klej	parker	sassafras	
dunellen	hammonton	lakeland	parsippany	shrewsbory	

NORTH CAROLINA

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

alaga	centenary	fripp	louisburg	pactolus	toccoa
alpin	charleston	galestown	lynn haven	potomac	tomahawk
baymeade	chipley	immokalee	mandarin	pottsburg	valhalla
biltmore	conetoe	johns	molena	rimini	wake
bojac	corolla	kalmia	newhan	rumford	wakulla
buncombe	dragston	kenansville	nimmo	seabrook	wando
cainhoy	duckston	klej	ona	st. johns	wateree
cartecay	echaw	kureb	osier	suncook	
carteret	eustis	lakeland	ousley	tarboro	

OC 010182

SOIL RESTRICTION TABLE (continued)

NORTH DAKOTA

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

amor	cabbart	fossum	lehr	parshall	tusler
arvilla	chanta	glendive	lemert	poppleton	ulen
aylmer	chinook	hamar	letcher	reeder	vebar
baahish	claire	hamlet	lihen	renshaw	venlo
banks	clontarf	hanly	lohnes	rhame	vetal
bantry	coe	haskill	maddock	ruso	wabek
beisigl	cohagen	hecla	manning	serden	walum
binford	desart	heimdal	marmarth	seroco	wamduska
bowdle	egeland	hidatsa	metigoshe	sioux	wanagan
brandenburg	ekalaka	inkster	minnewaukan	tally	warsing
breien	falsen	karlsruhe	mott	telfer	yegen
brisbane	flasher	ladner	noonan	toby	yetull
cabba	fleak	lefor	osakis	trembles	zeona

OHIO

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

abscota	channahon	fitchville	kings	orrville	skidmore
algansee	chavies	fulton	laidig	oshtemo	sleeth
alvin	chenango	galen	lamson	otisville	sloan
arkport	clymer	gallipolis	landes	peoga	sparta
barkcamp	cohoctah	geeburg	licking	pike	st. clair
belmore	coloma	gessie	lordstown	piopolis	stafford
bogart	colonie	hackers	markland	plattville	stendal
boyer	conneaut	hanover	milford	pope	tawas
brady	defiance	haubstadt	minoa	princeton	tyler
bronson	del rey	holly	muskego	riddles	warners
carlisle	digby	homewood	nicholson	rittman	washtenaw
casco	dubois	ilion	nolin	rockyfork	wea
cavode	elba	jessup	oakville	shinrock	wharton
centerburg	ellsworth	jules	opequon	sisson	

SOUTH CAROLINA

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

alaga	charleston	johns	molena	ridgeland	wakulla
alpin	chipley	kalmia	nansemond	rimini	wando
ashlar	coosaw	kenansville	newhan	riverwash	wateree
baratari	crevasse	kershaw	olanta	rosedhu	witherbee
beaches	echaw	lakeland	osier	scranton	
buncombe	edisto	leon	pactolus	seabrook	
cainhoy	eustis	louisburg	plummer	seewee	
cartecay	foxworth	lynn haven	quart-	tomahawk	
centenary	fripp	meggett	zipsamments	udipsamments	

OC 010183

SOIL RESTRICTION TABLE (continued)

SOUTH DAKOTA

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within 500 feet of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

alice	cohagen	hamar	mawer	rockoa	tuthill
altvan	cushman	hanly	meadin	ronson	twilight
alwilda	dailey	haynie	minatare	rosebud	ulen
amor	delmont	heath	minnequa	sarpy	valent
anselmo	dix	hecla	mocmont	schamber	valentine
arvilla	doger	heimdal	munjor	serden	vebar
ascalon	dogiecreek	hilger	murdo	seroco	venlo
assiniboine	duda	holt	nihill	shingle	vetal
attewan	dunday	hopdraw	noonan	shirttail	wabek
bankard	dwyer	inavale	norrest	sioux	wann
banks	eckley	ipage	nunn	sorum	westover
blackhall	egeland	jansen	o'neill	storla	wewela
blendon	ekalaka	jayem	oahe	sverdrup	whitelake
boel	els	kirby	oglala	tally	winetti
bowdle	elsmere	lefor	orton	talmo	woodly
brocksburg	enet	lehr	orwet	tanna	woonsocket
bullock	evridge	letcher	parchin	tassel	wortman
butche	fedora	lihen	parshall	telfer	yecross
cabba	flasher	lowry	percival	temvik	yegen
cabbart	fleak	lute	platte	tetonka	zeona
canyon	glenberg	maddock	reeder	thurman	
cass	glendive	manning	renshaw	travessilla	
chappell	glenross	manter	reva	trembles	
chinook	grable	mathias	rhame	trey	

TENNESSE

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within 300 feet of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

beulah	bruno	crevasse	eustis	saffell
bigbee	buncombe	dexter	riverwash	

VIRGINIA

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within 300 feet of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

alaga	carteret	duckston	lakehurst	molena	seabrook
ashlar	catpoint	fisherman	lakeland	nansemond	steinsburg
assateague	chagrin	fripp	lakin	newhan	sweetapple
biltmore	chipley	galestown	leetonia	nimmo	tarboro
bojac	conetoe	johns	leon	osier	wakulla
buncombe	corolla	kalmia	louisburg	pactolus	wateree
camocca	dragston	kenansville	matneflat	riverwash	
cartecay	drall	klej	millrock	rumford	

WEST VIRGINIA

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within 300 feet of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

drall	gauley	landes	potomac
fiveblock	lakin	leetonia	sewell

OC 010184

SOIL RESTRICTION TABLE (continued)

WYOMING

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within 500 feet of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

aberone	butche	eckley	hoodle	mughut	reno
abston	byrnie	edlin	hooper	nathale	renohill
adilis	cabin	elk mountain	hoot	naturita	rentsac
agneston	calicott	elk hollow	huguston	neiber	ret
alcova	cambarge	ellicott	indart	nelson	rimton
alflack	canburn	emblem	ipson	nesda	riverwash
alice	canwall	embry	irigul	newfork	rivra
allens park	carbol	enos	jayem	nihill	rock river
alliance	carmody	farisita	jenkins	nizina	rockinchair
almy	carnero	farson	julesburg	norte	rogert
altvan	cass	feltner	kandaly	nunn	rohonda
amesmont	castello	feltonia	keeline	oceanet	rootel
anasazi	castner	firth	keyner	olney	rosane
ansel	cathedral	fiveoh	kezar	onason	rosebud
anselmo	cedak	flathead	koonich	orpha	roxal
apeldorn	cestnik	fluetsch	labou	otero	ryan park
apron	chaperton	fola	lake creek	otterson	ryark
ard	chappell	forelle	lakehelen	outlet	saddle
ascalon	charlds	fornor	lamarsh	owen creek	santana
ashbon	charlos	fourmile	lambman	pahlow	sapphire
ashuelot	cheadle	foxton	lander	paoli	satanka
assinniboine	cheyenne	fraddle	laney	parmele	sawcreek
attewan	chincap	frisco	lantis	parmleed	schamber
avalon	chinook	frontier	laporte	passcreek	schooner
badgerton	chittum	garita	larim	pena	scout
bankard	chugcreek	garrett	larimer	pepal	scravo
banks	cific	gas creek	las animas	pepton	seedskadee
barcus	clarkelen	gateson	lazear	perceton	sharland
baroid	clayburn	gelkie	leighcan	perma	sheege
barrett	clifsand	gerrard	libeg	pescar	shingle
bateson	cloud	glenberg	lininger	pesmore	shoshone
bayard	comer	glenderson	littlebear	peyton	simmont
bayerton	conpeak	glendive	littsan	phiferson	slipman
beaverton	cordes	glenton	lohsman	pilotpeak	sobson
becks	corlett	goslin	lolak	pinedale	southace
beeno	cotha	granile	lone	pineguest	southfork
beenom	cotopaxi	granyon	lucky	pishkum	space city
bigwin	coutis	greenman	luhon	plite	spangler
bigwinder	crago	grenoble	lupinto	poin	splitro
billycreek	cragosen	greyback	lymanson	poker	spool
binton	crestman	greybull	macfarlane	pokey	stoneham
blackhall	crowheart	greypoint	manter	preatorson	stunner
blaine	crownest	grieves	mathers	pugsley	sublette
bluerim	cryluha	griffy	maysdorf	quander	sudworth
bodorumpe	curecanti	grimm	mccaffery	quealman	sunup
bondman	curtis	grimstone	mccort	quealy	taglake
bonjea	cushman	grobutte	meadowlake	rainbolt	taluce
bosler	cushool	gunbarrel	means	rairdent	tanna
bottle	dahlquist	hagga	mema	randman	tassel
boulder	dailey	hapjack	millbume	ratake	tasselman
bowbac	dast	hardhart	millpot	rauzi	teagulf
bowen	dawny	hargreave	milren	rawah	teapo
boyle	deaver	haterton	mine	rawlins	teeler
breece	debone	havertel	miracle	redbank	teemat
briggsdale	decolney	hawksprings	mirror	redcreek	teewinot
bross	derrick	hawkstone	mishak	reddale	telecan
brownsto	diamondville	hazton	moran	redfeather	tellman
bruja	dix	hechtman	morset	redrob	tenorio
buffork	dobrow	heinsaw	moskee	redwash	terada
bullock	draknab	herbman	mosroc	reeder	terro
burgess	driggs	hesperus	motoqua	reget	terry
burnt	dunday	hiland	mudray	rekop	tetonville
busher	dunul	hilltop	muff	relsob	thayne
bushman	dwyer	hobacker	mughouse	rencot	theedle

SOIL RESTRICTION TABLE (continued)

WYOMING (continued)

thermopolis	travessilla	truckton	vona	whaley	worfka
thiel	travson	tullock	vonason	wiggleton	worfman
threetop	trelona	turnback	wages	willowman	worfstone
tieside	trembles	turner	walcott	willwood	worland
tigon	treoff	turnercrest	walden	wilsonville	wormser
tine	treon	turson	wall	windham	worthenton
tinerman	tresano	uffens	wallrock	winnett	yetull
tipper	trimad	uinta	wallson	wint	youga
tipperary	tripit	valent	wardboro	wishard	youjay
tisworth	trivar	valentine	wellsville	wolf	zillman
tolman	trook	vetal	wendover	woodrock	
tongue river	troutville	vible	westvaco	worf	

OC 010186

NOTES

Rhône-Poulenc Ag Company
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709

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REVISED PRELIMINARY ASSESSMENT

Kilgore Manufacturing
Ohio ID# 121-1187
Delaware County
Date of Original PA: September 14, 1988
Date of Revised PA: October 22, 1992

The former Kilgore Manufacturing property is a 110 acre site located at 600 N. Spring Road, Westerville, Ohio, in Delaware County. The site includes a dump site of six to eight acres in size. Three schools are adjacent to the site.

Kilgore Manufacturing was in operation from 1923 until 1961. The original building for the business was located on East Broadway, Westerville, Ohio, in Franklin County, just south of Delaware County. Prior to World War II, Kilgore produced toys such as cap guns and caps and fireworks used primarily for public celebrations.

The business shifted gears in 1941 to the production of explosives and incendiary materials and devices -- flares, fuses, hand grenades, land mines and flame throwers (see List of Manufactured Materials). As part of this shifting in production, a 110 acre farm was purchased on Tussic Street Road. Materials were stored on site, experiments conducted, explosives and incendiary items manufactured, and wastes and out-of-spec items were buried on site.

Kilgore Manufacturing ended operations in Westerville early in 1961. The 110 acre farm was donated to Otterbein College by Commercial Credit Corporation, Kilgore's owner. The College was informed of the burial area and wastes/materials disposed of on the property.

The burial area was located in the southeast corner of the 110 acre site and occupied between six and eight acres of the property. Trenches were dug for disposal of cans (30" long x 15" dia.) containing mixtures of chemicals used in the manufacturing process and rejected materials -- pyrotechnical devices, primary explosives, scrap powder, primers, detonators and liquid flares. Earth was used to cover the trenched materials (see List of Trench Contents).

Good records were kept of materials and wastes disposed of on the property from January 1951 through May 1953 (see List of Trench Contents). No map was drawn of the disposal trenches. The burial area was used until 1957, except for red phosphorus material, which continued to be disposed of at this location. Waste powder was burned on site in an open pit at the southeast corner of the property. The pit was 50 feet across and eight feet deep.

Otterbein College initiated a clean-up that was conducted during the summer of 1962 and supervised by Virgil Carpenter (Ammunition

Procurement & Supply Agency, Joliet, IL). Buried materials were excavated from the trenches and destroyed on the property. The trenches were refilled. Over 120 tons of explosives and flares were dug up and destroyed. Subsequently, Virgil Carpenter sent a letter to Otterbein College stating that the property had been decontaminated (see List of Excavated Materials).

In June of 1985, an Otterbein College board member discovered nearly 70 flare canisters in the southeast corner of the property. The canisters were buried and the area marked. On September 5, 1985, the Ohio Fire Marshal's Office sent a team to collect these canisters. They were taken to Wright-Patterson Air Force Base (A.F.B.) for disposal.

Another batch of canisters (34) was discovered at the southeast corner in March 1986. On July 7, 1986, nearly 50 more canisters were found. These were removed by the Ordnance Department from Wright-Patterson A.F.B. Dr. David Couthat, U.S. Corps of Engineers, visited the site on July 7, 1986 and thought more clean-up was needed (see List of Excavated Materials).

Westerville Schools showed an interest in buying twenty-two acres of the Kilgore Farm in 1987 and contracted S.E.A., Inc., to do two site assessments of the property. This included the 6-8 acre burial site. Monitoring wells were installed but later pulled. A metal detector located many small, metal objects.

In May 1988, Westerville Schools contracted the Luna Excavation Company to excavate the area containing the metal objects. Some of the materials found were parachute flares, black plastic caps, cylinders composed of a gray, blue and purple granular substance and many filled aluminum canisters (see List of Excavated Materials).

Chief Morrison, Columbus Bomb Squad, determined by testing that the materials were not explosive but he advised removal and disposal of these materials and more trenching and sifting through the excavated earth (June 1988). The Wright-Patterson A.F.B. Explosives Ordnance Disposal Division stated that they would pick up any hazardous materials found on the property.

One underground storage tank (UST) was located by Lawhon & Associates, Inc. (Lawhon) in the northeast section of the Kilgore property. An attempt was made to remove the fill pipe cap to determine the contents but Lawhon was unable to. Size and contents are unknown.

A magnetic survey was conducted on the property by Lawhon during their visual inspection of the site (January 23, 1991 through February 6, 1991). Lawhon used marker flags to show where the metallic objects were found. A total of 385 marker flags were placed. Some of these locations were dug up and personnel found flares and other metal objects. Objects were visible throughout the site.

Approximately 25 buildings and foundations were located on the Kilgore Farm property. Metal containers, flares, pipes, barrels, tile and metal debris and an old boiler were discovered. In addition, various piles of debris were located. These contained empty barrels, old furniture, kitchen appliances, tires, concrete blocks and miscellaneous boards. One pile, approximately 550 feet south of the water tower, contained flares and black caps piled three feet high.

Asbestos-containing materials were found in one building. The asbestos was in the form of 25 feet of pipe insulation and approximately 3,400 sq. ft. of roofing material.

A Property Inspection Guide conducted by Lawhon during early 1991 noted stained or discolored ground throughout the property and empty containers.

Ohio EPA conducted a site visit on October 8, 1992 with Steve Sawyer of Lawhon. Part of the 110 acrea was walked. Because much of the area was covered with thickly grown weeds, walking was difficult and the ground surface hard to see. A few empty, rusted, 55 gallon drums were noted on the east side of the property. Flare canisters large and small were found in various locations. Three wetlands were noted. There were many manufacturing buildings on site and all were in disrepair. Trenched areas on the south side normally collect approximately four feet of water. This year little water had accumulated. A fence surrounds the property with a locked gate at the front.

From 1967 to 1986, the Kilgore Farm property had been used for bean and corn crops. Prior to 1941, the land was mostly arable and surrounded by woods.

The Kilgore Farm property soils are part of the Bennington, Pewamo and Cardington Association. Soils are somewhat poorly drained, very poorly drained and moderately well-drained soils. The soils are steep to nearly level on an undulating low-lime glacial till plain. There may be three separate wetland areas on the property.

Most of the information in this narrative was obtained from an environmental audit conducted by Lawhon & Associates, Inc. dated March 1, 1991. No soil or water samples were collected by Lawhon.

Ohio EPA recommends a low priority for this site. Some clean up of the flares has occurred. The primary problem appears to be the possibility of flares igniting. Most of the chemicals used in the manufacturing process are oxidizers and would tend to oxidize if exposed to the atmosphere. Some rusted, empty drums were found on site and the contents may be of some concern. The site is fenced preventing easy access to the property.

Revised by:

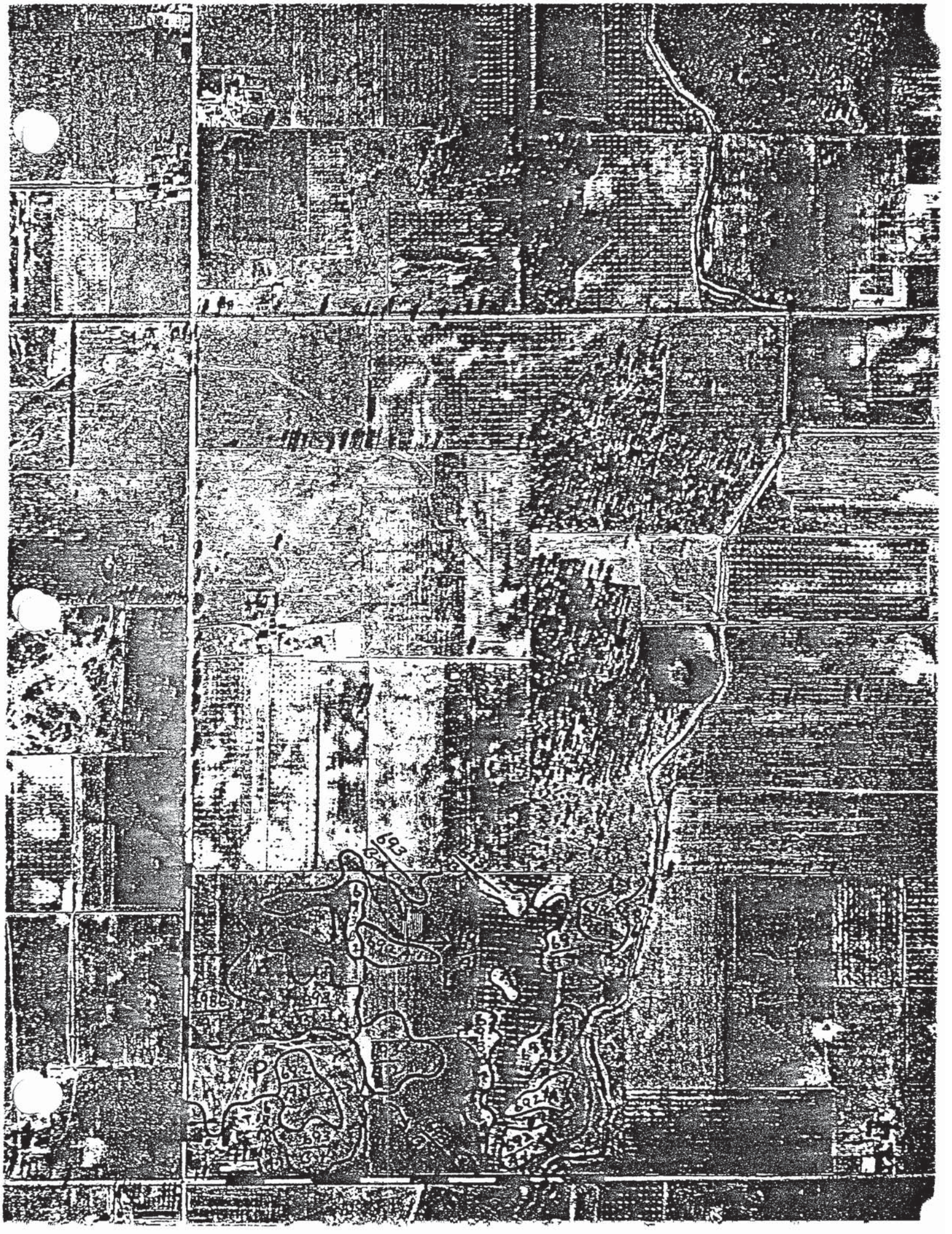
Diana L. Bynum
Site Coordinator
DERR/CDO

Reviewed by:

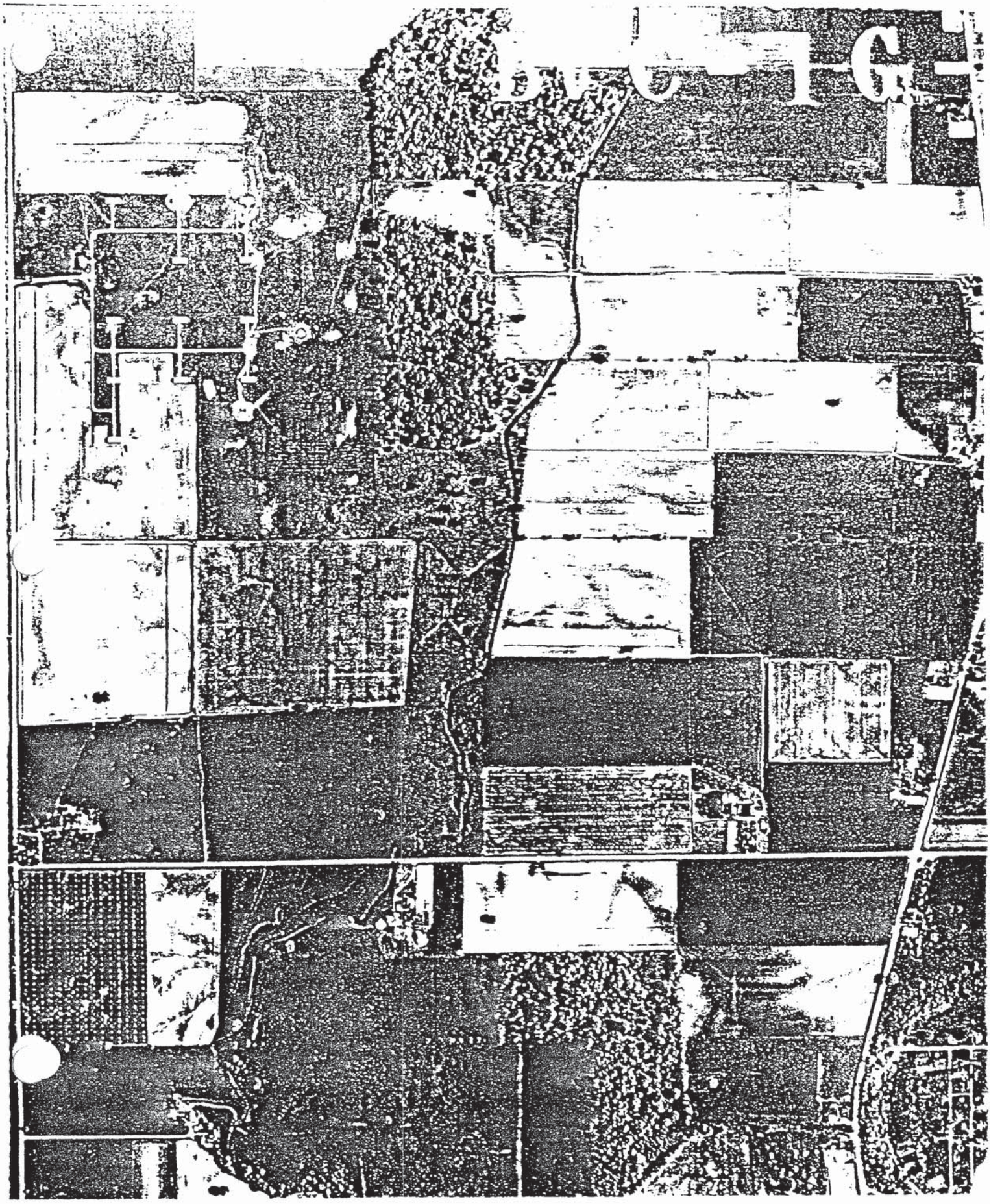
Deborah J. Strayton
Unit Supervisor
DERR/CDO

APPENDIX 8

AERIAL PHOTOGRAPHY



OC 010193



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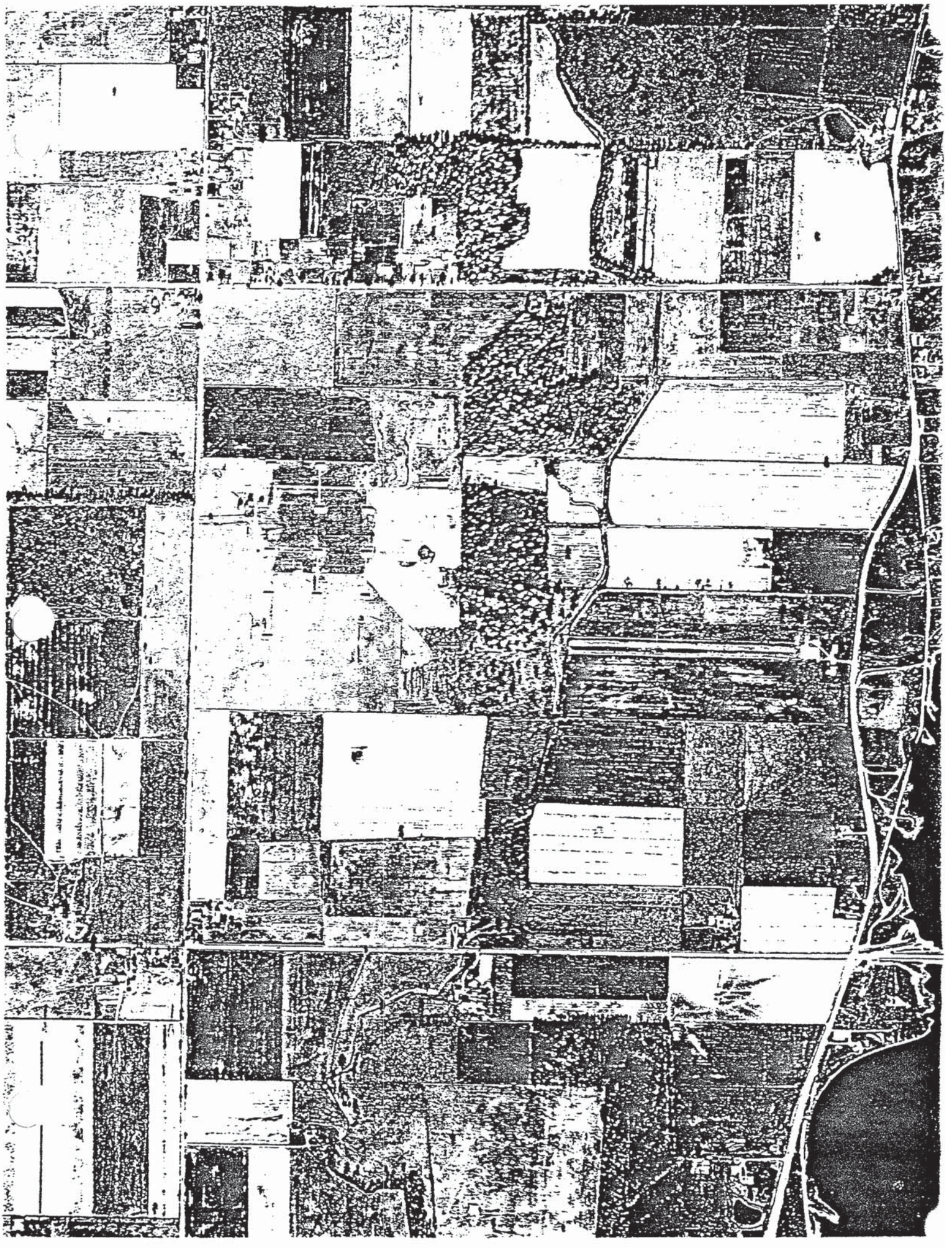

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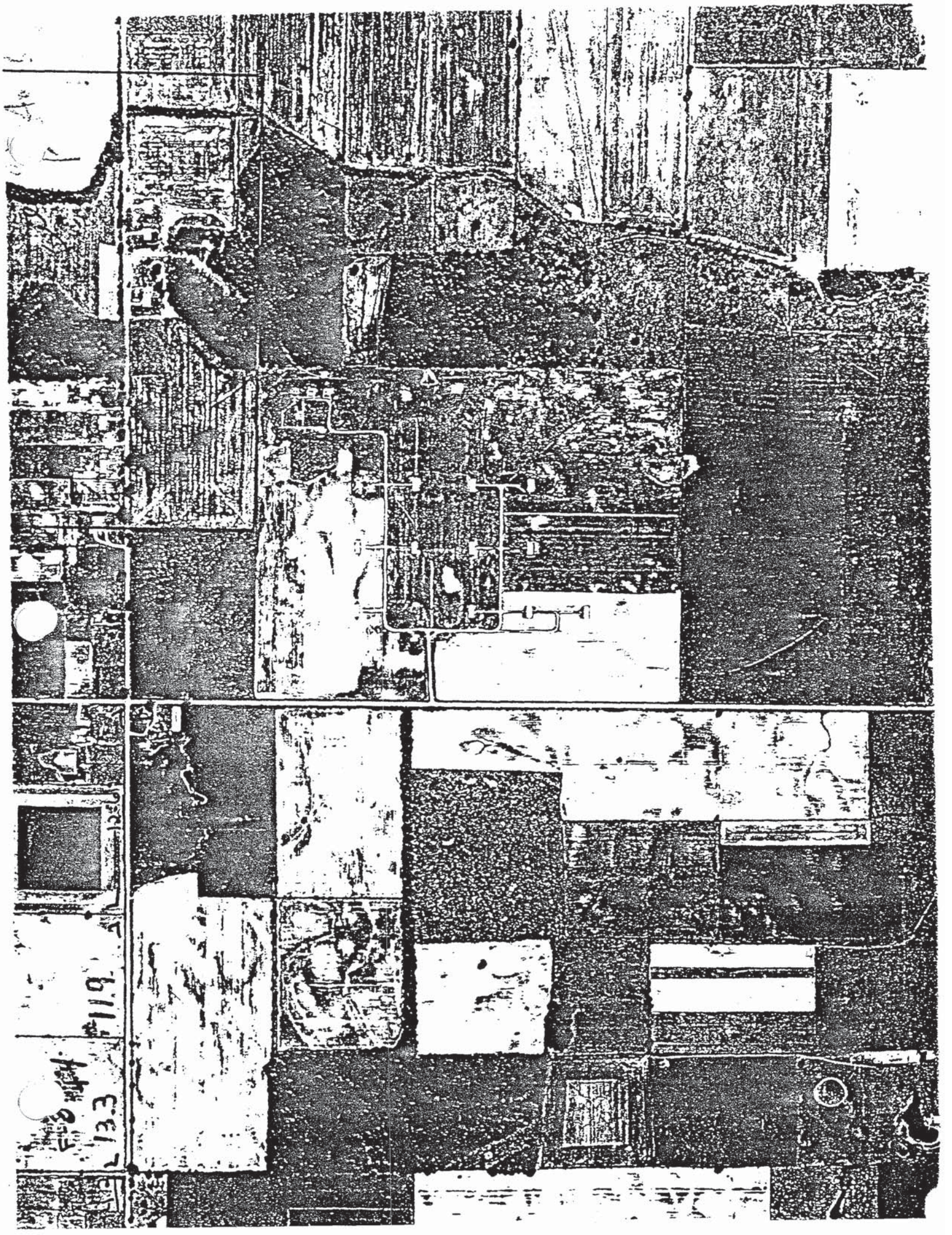
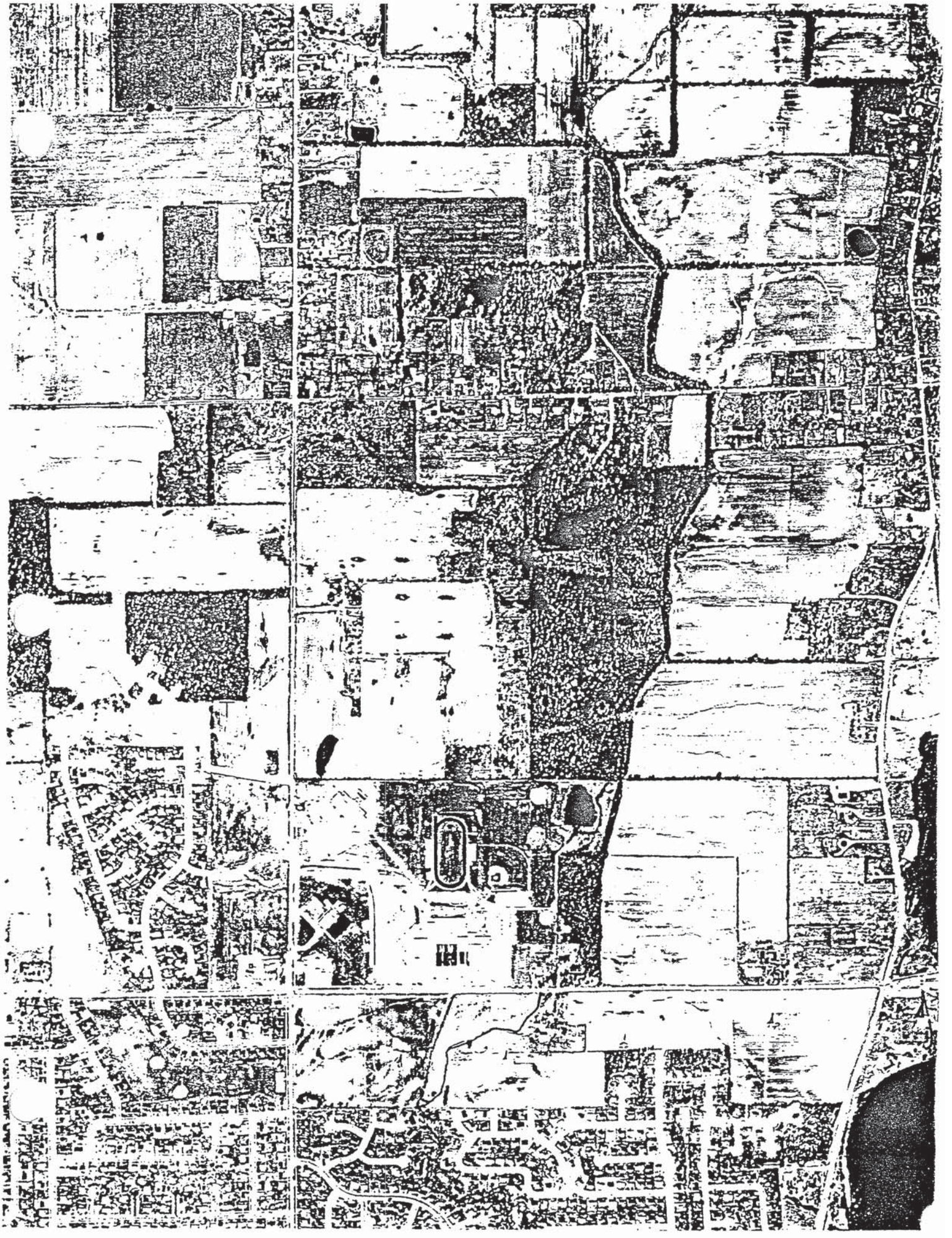


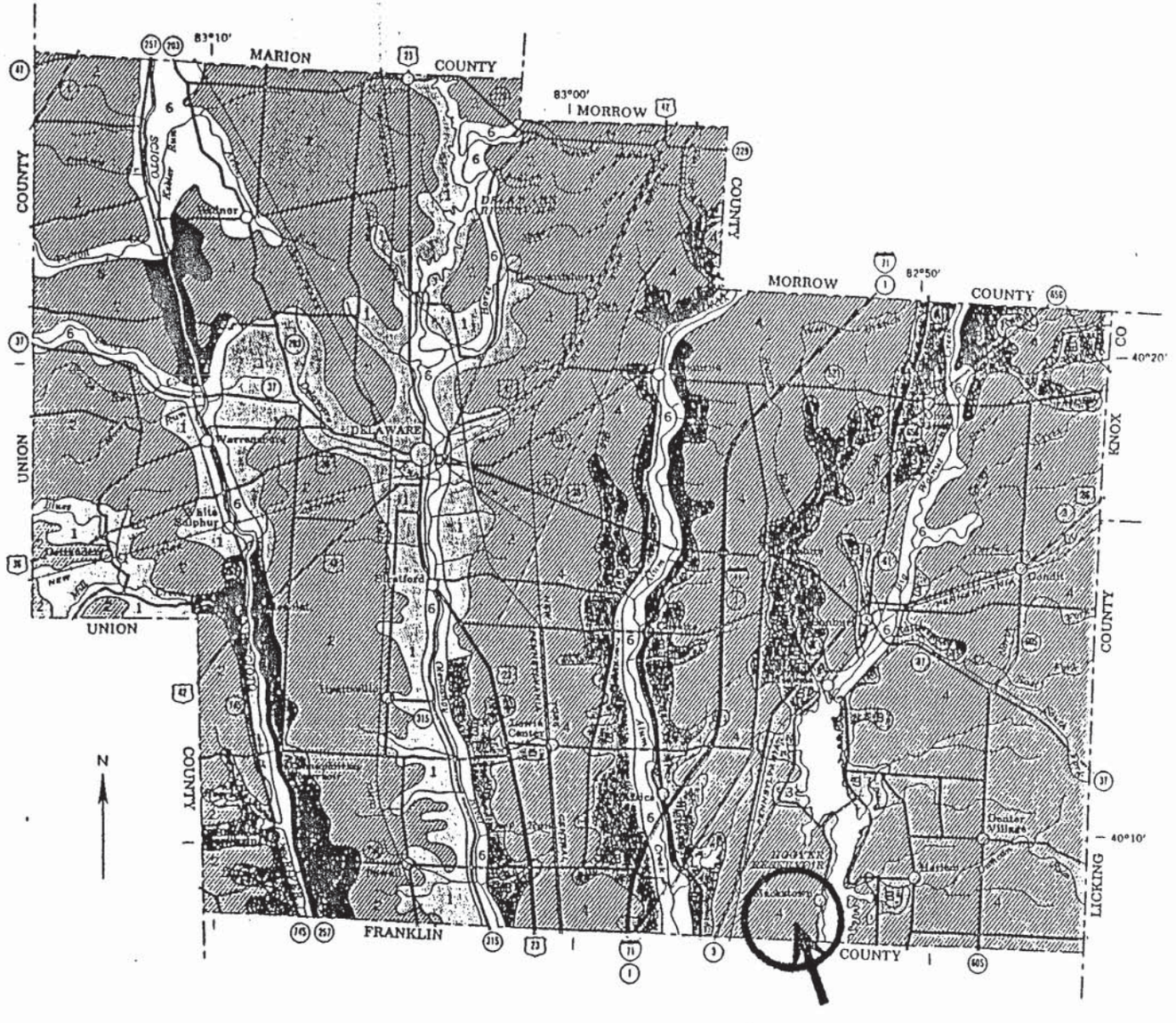
OC 010196



OC 010197

APPENDIX 9

SOIL MAP AND LEGEND



U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF LANDS AND SOIL AND
OHIO AGRICULTURAL EXPERIMENT STATION

GENERAL SOIL MAP
DELAWARE COUNTY, OHIO

SCALE IN MILES
1 0 1 2 3 4

SOIL ASSOCIATIONS

1 — Morley–Blount association: Moderately well drained and somewhat poorly drained, gently sloping to steep soils on an undulating high–lime glacial till plain

2 — Blount–Pewamo association: Somewhat poorly drained and very poorly drained, nearly level to gently sloping soils on an undulating high–lime glacial till plain

3 — Cardington–Alexandria association: Moderately well drained and well drained, gently sloping to steep soils on an undulating low–lime glacial till plain

4 — Bennington–Pewamo–Cardington association: Somewhat poorly drained, very poorly drained, and moderately well drained, nearly level to steep soils on an undulating low–lime glacial till plain

5 — Morley–Milton association: Moderately well drained soils on high–lime glacial till and well drained soils on high–lime glacial till over limestone

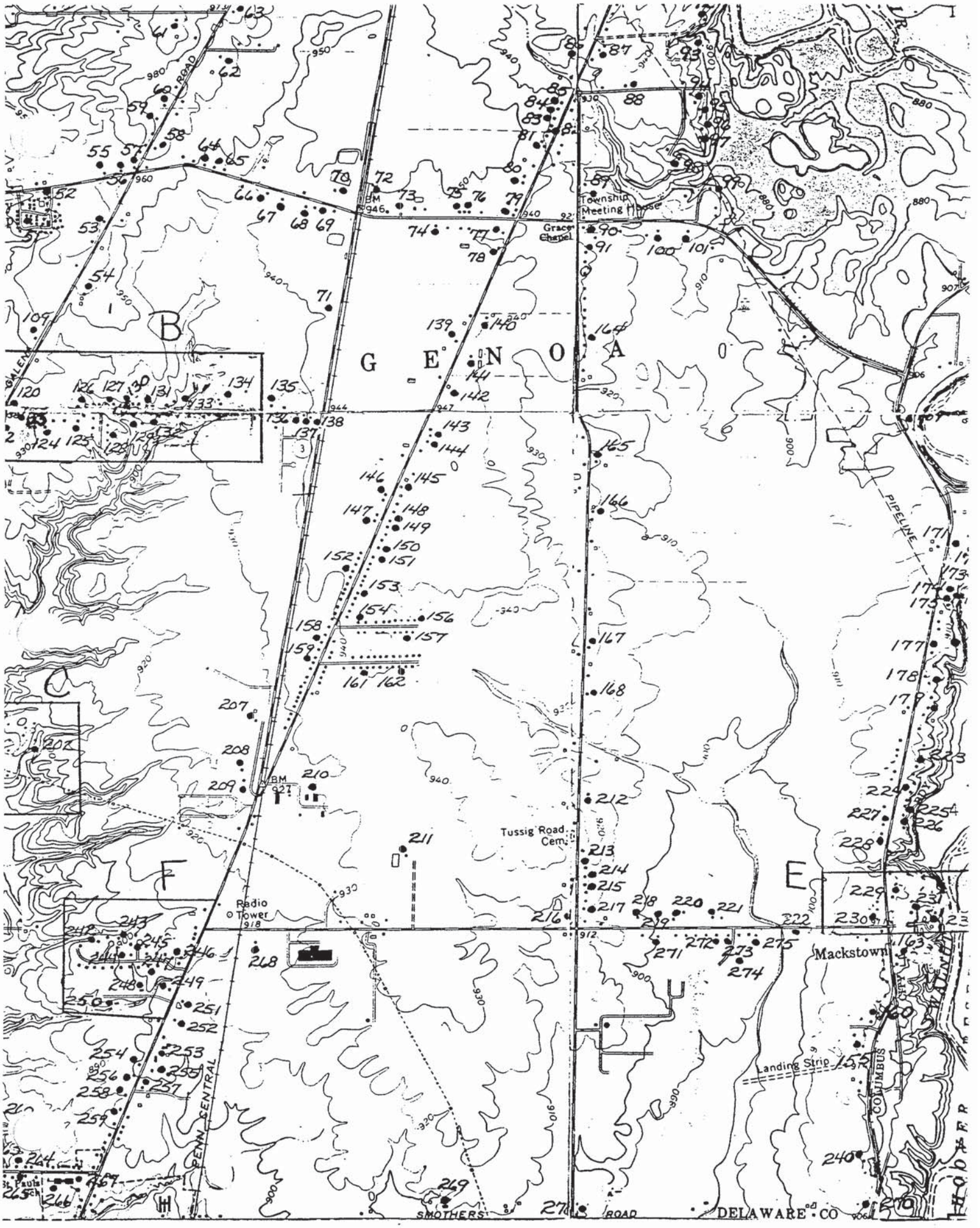
6 — Eel–Fox association: Moderately well drained soils on flood plains and well drained soils on outwash terraces, kames, and eskers

May 1968

OC 010199

APPENDIX 10

WATER WELL LOGS



G E N O A
B
C
F
E
Township Meeting House
Grace Chapel
Tussig Road Cem.
Radio Tower
Mackstown
Landing Strip
PIPELINE
PENN CENTRAL
COLUMBUS
SMOTHERS ROAD
DELAWARE CO

OC 010201

WELL LOG AND DRILLING REPORT

ORIGINAL

NO CARBON PAPER NECESSARY— SELF-TRANSCRIBING

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
65 S. Front St., Rm. 815 Phone (614) 469-2646
Columbus, Ohio 43215

No. 400934 C

County Delaware Township Genoa Section of Township

Owner Rodger Wadsworth Address 209½ Vine St Westerville

Location of property Co Rd 32 Maxtown Rd

CONSTRUCTION DETAILS

Casing diameter 6.0D Length of casing 67 Ft

Type of screen Perforated Pipe Length of screen 12 Inch

Type of pump

Capacity of pump

Depth of pump setting

Date of completion

BAILING OR PUMPING TEST
(Specify one by circling)

Test Rate 20 G.P.M. Duration of test hrs.

Drawdown 20 ft. Date

Static level-depth to water 15 ft.

Quality (clear, cloudy, taste, odor) Clear

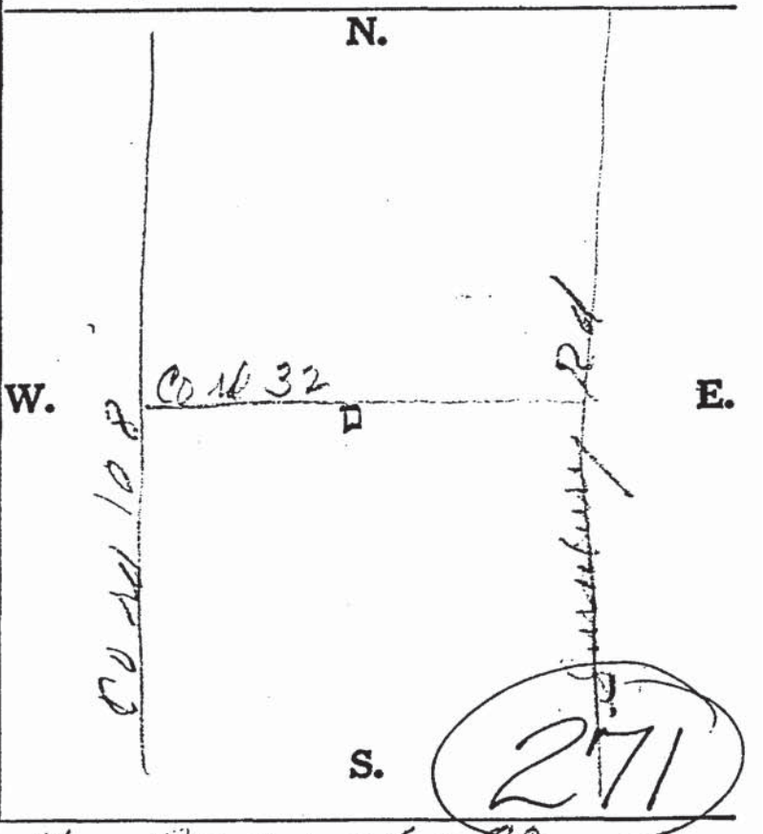
Pump installed by

WELL LOG*

Formations Sandstone, shale, limestone, gravel and clay	From	To
Clay	0 Feet	22 Ft.
Sand & Clay	22	57
Fine Sand	57	65
Clay	65	67
Water at	67	

SKETCH SHOWING LOCATION

Locate in reference to numbered State Highways, St. Intersections, County roads, etc.



Drilling Firm Plummer & McDonald Date Oct 26-78

Address Galena O Signed Charles Plummer

*If additional space is needed to complete well log, use next consecutive numbered form.

OC 010202

WELL LOG AND DRILLING REPORT

ORIGINAL

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
1562 W. First Avenue
Columbus, Ohio 43212

PLEASE USE PENCIL OR TYPEWRITER
DO NOT USE INK.

No 354853 C

County Delaware Township Genoa Section of Township

Owner R. Bailey Address 3481 Winx town Rd.

Location of property Same (1 mile west Hoover Res.)

CONSTRUCTION DETAILS

Casing diameter 5" Length of casing 43'
Type of screen Perf. Length of screen 3'
Type of pump Deep Well
Capacity of pump 15 GPM
Depth of pump setting 30'
Date of completion 11/5/67

BAILING OR PUMPING TEST

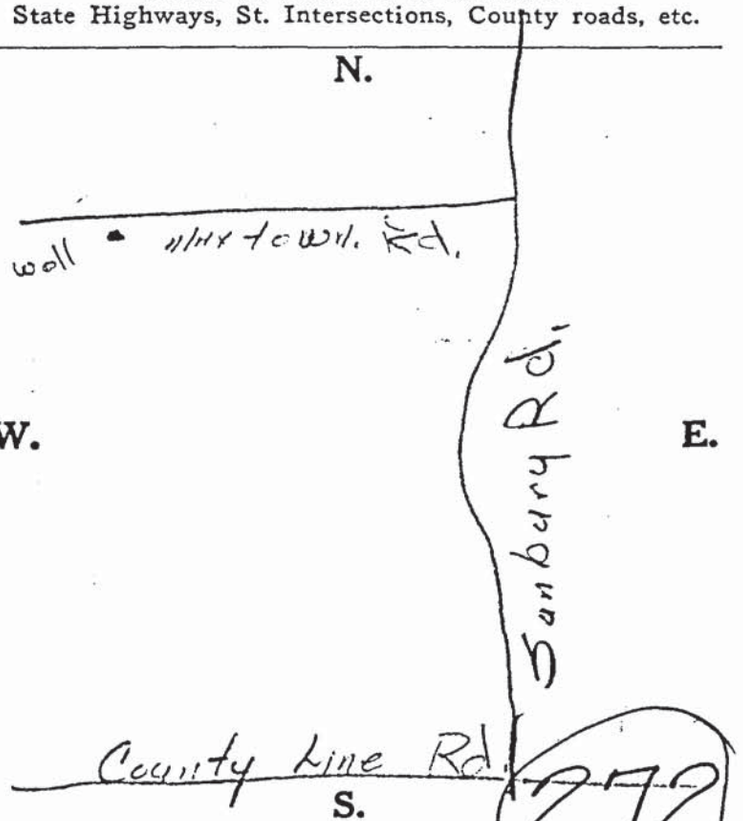
Pumping Rate 15 G.P.M. Duration of test 1 hrs.
Drawdown 2 ft. Date 4/5/67
Static level-depth to water 3 ft.
Quality (clear, cloudy, taste, odor) clear
Pump installed by Tim Lynn

WELL LOG*

Formations Sandstone, shale, limestone, gravel and clay	From	To
Clay	0 Feet	40 Ft.
Sand & Gravel	40	43

SKETCH SHOWING LOCATION

Locate in reference to numbered State Highways, St. Intersections, County roads, etc.



See reverse side for instructions

272

Drilling Firm Lehman Drilling Date 5/23/67

Address 5730 Fancher Rd. Signed Tamara Lynn

*If additional space is needed to complete well log, use next consecutive numbered form.

LOCATED

OC 010203

WELL LOG AND DRILLING REPORT

ORIGINAL

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
1562 W. First Avenue
Columbus, Ohio 43212

PLEASE USE PENCIL OR TYPEWRITER
DO NOT USE INK.

No 353602

County Delaware Township Genoa Section of Township

Owner Ray Good Builders Address Westerville, Ohio

Location of property Twp 32 - ½ mi west of County Rd 30

CONSTRUCTION DETAILS

Casing diameter 5" Length of casing 43½

Type of screen DRILLED Length of screen 2'

Type of pump

Capacity of pump

Depth of pump setting

Date of completion

BAILING OR PUMPING TEST

Pumping Rate 10 G.P.M. Duration of test 1 hrs.

Drawdown 20 ft. Date 11-8-67

Static level-depth to water 10 ft.

Quality (clear, cloudy, taste, odor)

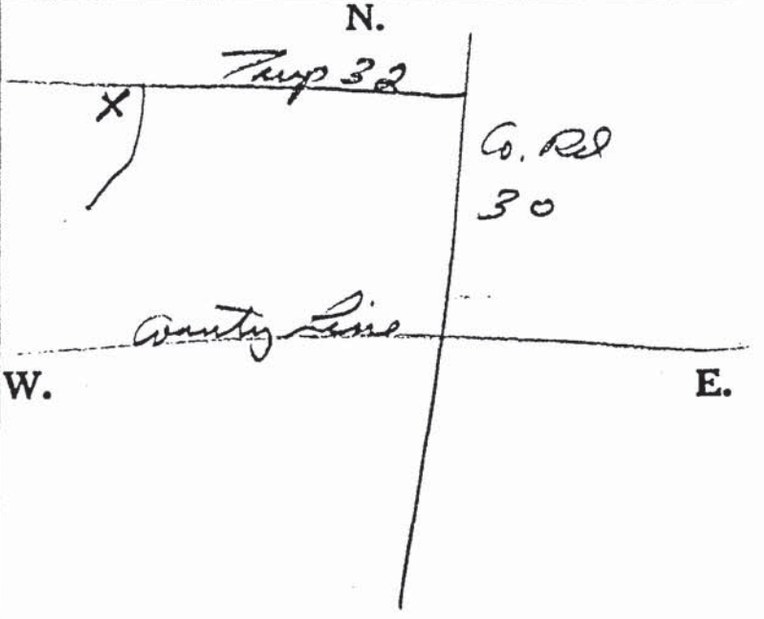
Pump installed by

WELL LOG*

Formations Sandstone, shale, limestone, gravel and clay	From	To
Clay	0 Feet	35 Ft.
Sand.	35	43½

SKETCH SHOWING LOCATION

Locate in reference to numbered State Highways, St. Intersections, County roads, etc.



See reverse side for instructions

273

Drilling Firm Leidecker

Address Buckeye Lake, Ohio

Date 11-13-67

Signed R. Leidecker

*If additional space is needed to complete well log, use next consecutive numbered form.

LOCATED

OC 010204

WELL LOG AND DRILLING REPORT

ORIGIN.

PLEASE USE PENCIL OR TYPEWRITER
DO NOT USE INK.

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
1562 W. First Avenue
Columbus, Ohio 43212

No 354859

County Delaware Township Genoa Section of Township

Owner Ted. Schlingmann Address Maxtown Rd.

Location of property Same

CONSTRUCTION DETAILS

Casing diameter 5" Length of casing 59'
Type of screen ~ Length of screen ~
Type of pump Submersible
Capacity of pump 12 gpm
Depth of pump setting 42'
Date of completion 6/25/67

BAILING OR PUMPING TEST

Pumping Rate 12 G.P.M. Duration of test 2 hrs.
Drawdown 3 ft. Date 6/25/67
Static level-depth to water 13' ft.
Quality (clear, cloudy, taste, odor) clear

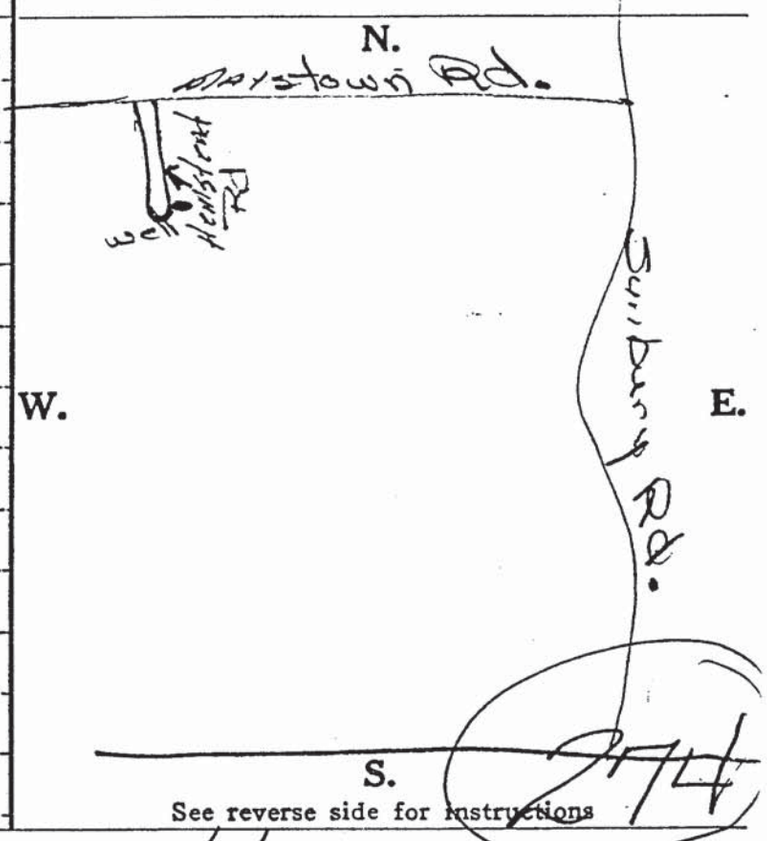
Pump installed by Lehman Drilling

WELL LOG*

Formations Sandstone, shale, limestone, gravel and clay	From	To
Clay	0 Feet	38 Ft.
Muddy Sand & Gravel	38	55
Course Sand	55	57

SKETCH SHOWING LOCATION

Locate in reference to numbered State Highways, St. Intersections, County roads, etc.



See reverse side for instructions

Drilling Firm Lehman Drilling Date 7/5/67

Address 5730 Fancher Rd. Signed James Lehman

*If additional space is needed to complete well log, use next consecutive numbered form.

OC 010205

WELL LOG AND DRILLING REPORT

ORIGINAL

59

PLEASE USE PENCIL OR TYPEWRITER DO NOT USE INK.

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
1562 W. First Avenue
Columbus 12, Ohio

No 277301

County Delaware Township Genoa Section of Township 3

Owner Johnson-Dawes Co. Address 8 E. Long St., Col.

Location of property Twp Rd #32 — ½ mi E of Tussic St.

CONSTRUCTION DETAILS

Casing diameter 5 5/8 Length of casing 31'

Type of screen Perforation Length of screen 18"

Type of pump

Capacity of pump

Depth of pump setting

Date of completion JAN 19, 1962

BAILING OR PUMPING TEST

Pumping Rate 15 G.P.M. Duration of test 4 hrs.

Drawdown 5 ft. Date

Static level-depth to water 17 ft.

Quality (clear, cloudy, taste, odor)

Clear - good

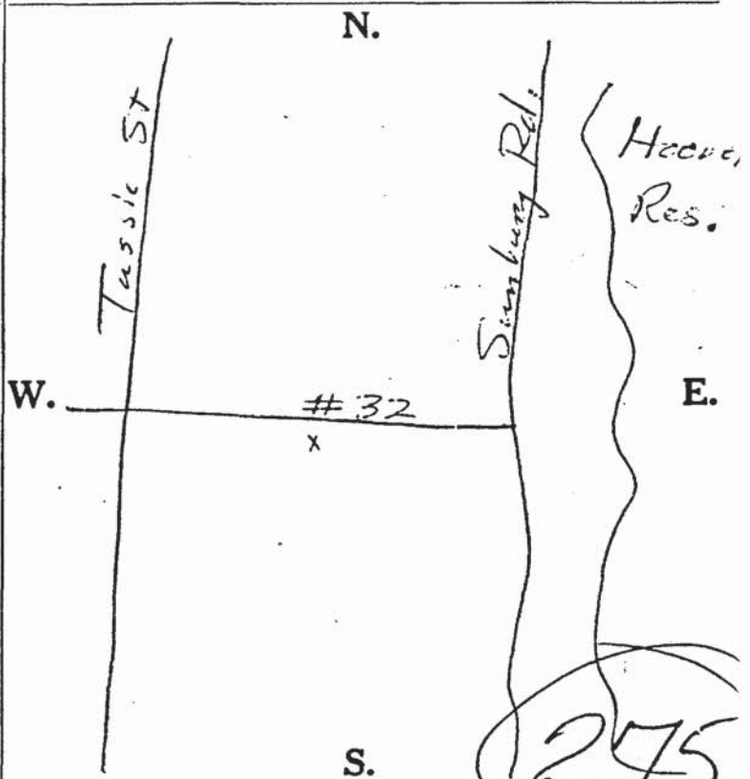
Pump installed by

WELL LOG

Formations Sandstone, shale, limestone, gravel and clay	From	To
Clay	0 Feet	14 Ft.
Sand	14'	15'
Clay	15'	29'
Sand + gravel	29'	31'
WATER AT 31'	892 31 861-	

SKETCH SHOWING LOCATION

Locate in reference to numbered State Highways, St. Intersections, County roads, etc.



See reverse side for instructions

Drilling Firm PLUMMER & McDANNALD
Water Well Drilling

Address 199 HARRISON STREET
GALENA, OHIO

Date JAN 31, 1962

Signed R. Bruce McDannald

OK

LOCATED

OC 010206

WELL LOG AND DRILLING REPORT

ORIGINAL

3000

LOCATED

43-115-4

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
Columbus, Ohio

No 161808

County Delaware Township Genoa Section of Township or Lot Number 4

Owner Green Address Westerville O

Location of property On Susic St.

CONSTRUCTION DETAILS

Casing diameter 4" Length of casing 115'

Type of screen none Length of screen

Type of pump Unknown

Capacity of pump

Depth of pump setting

PUMPING TEST

Pumping rate 10 G.P.M. Duration of test hrs

Drawdown none ft. Date Sept 2

Developed capacity 10 g.p.m.

Static level—depth to water 47' f

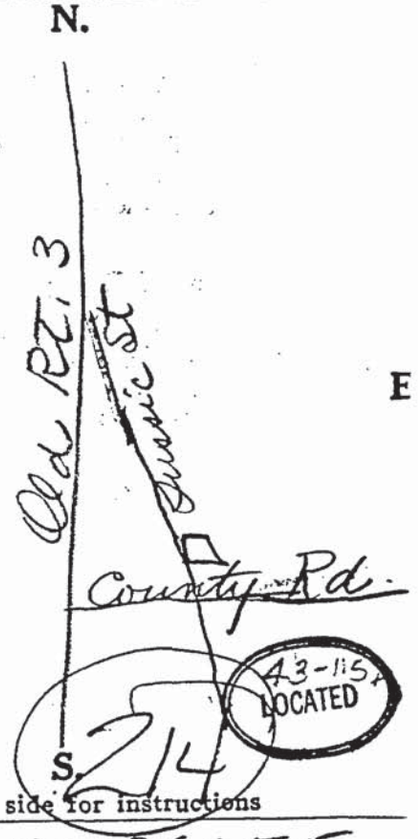
Pump installed by

WELL LOG

Formations Sandstone, shale, limestone, gravel and clay	From	To
Clay	0 Feet	25 Ft.
Quicksand	25	30
Clay	30	113
Sand + gravel	113	115
water at 115'		

SKETCH SHOWING LOCATION

Locate in reference to numbered State Highways, St. Intersections, County roads, etc.



See reverse side for instructions

Drilling Firm

Address Galena O

Date Sept. 30 '55

Signed Chas. Plummer

LOCATED

OC 010207

WELL LOG AND DRILLING REPORT

ORIGINAL

41-151-A (3)

LOCATED

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
Columbus, Ohio

Nº 161841

County Delaware Township Genoa Section of Township or Lot Number 4

Owner James Reed Address Westerville O.

Location of property On Jurassic St.

CONSTRUCTION DETAILS

Casing diameter 4" Length of casing 107'

Type of screen none Length of screen

Type of pump Unknown

Capacity of pump

Depth of pump setting

PUMPING TEST

Pumping rate 10 G.P.M. Duration of test hrs

Drawdown no ft. Date Apr. 19

Developed capacity 10 g.p.m.

Static level—depth to water 34 ft

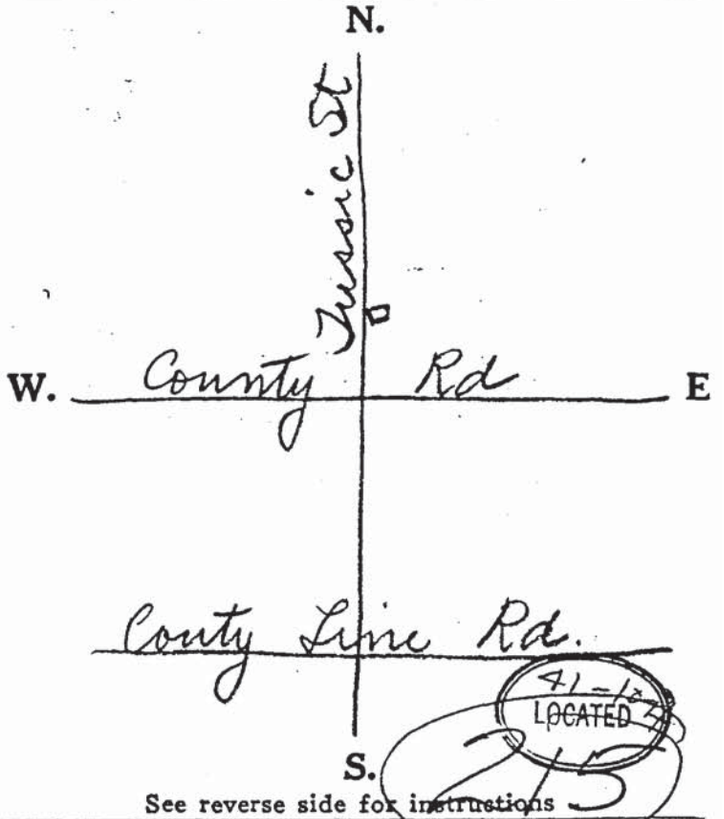
Pump installed by

WELL LOG

Formations Sandstone, shale, limestone, gravel and clay	From	To
Clay	0 Feet	105 Ft.
sand & gravel	105	107
water at 107'		

SKETCH SHOWING LOCATION

Locate in reference to numbered State Highways, St. Intersections, County roads, etc.



41-15 LOCATED

See reverse side for instructions

Drilling Firm

Address Galena O.

Date Apr. 30 56

Signed Chas. Plummer

LOCATED

OC 010208

ORIGINAL
57

WELL LOG AND DRILLING REPORT

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
1500 Dublin Road
Columbus, Ohio

No. 214841

County Delaware Township Genoa Section of Township 4

Owner Wayne Cleveland (Builder) Address Marengo, O.

Location of property N-W corner of Mac Town Rd + Tussic St.

CONSTRUCTION DETAILS

Casing diameter 4" Length of casing 124'
Type of screen Length of screen
Type of pump
Capacity of pump
Depth of pump setting
Date of completion Dec. 27, 1958

BAILING OR PUMPING TEST

Pumping rate 10 G.P.M. Duration of test hrs.
Drawdown no ft. Date
Developed capacity 10 gpm
Static level—depth to water 39' ft.
Pump installed by

WELL LOG

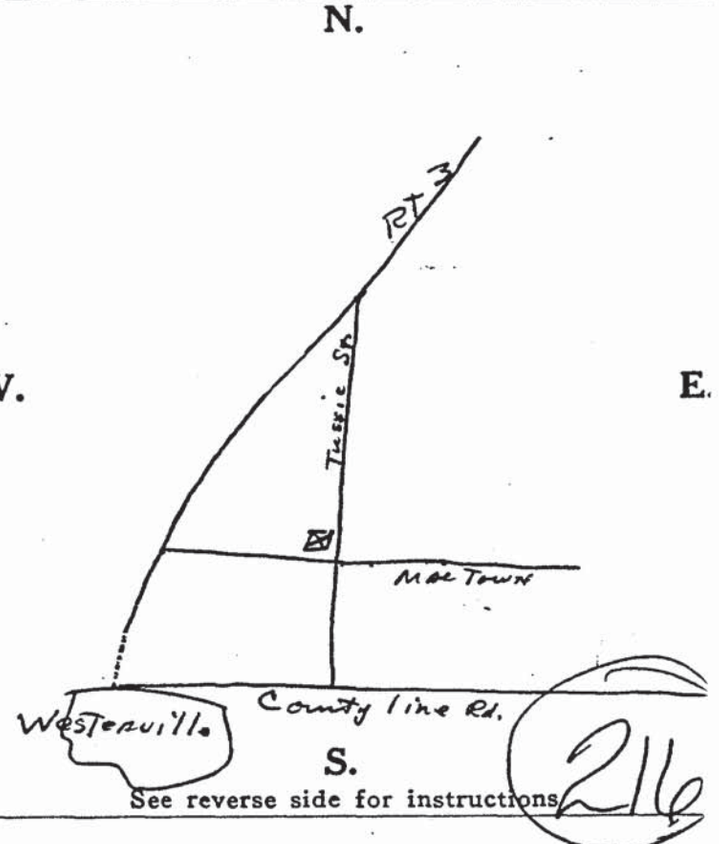
Formations Sandstone, shale, limestone, gravel and clay	From	To
Clay	0 Feet	120 Ft.
Fine Sand	120'	122'
Sand + Gravel	122'	124

Water at 124'

921
124
797

SKETCH SHOWING LOCATION

Locate in reference to numbered State Highways, St. Intersections, County roads, etc.



See reverse side for instructions

216

Drilling Firm Plummer-McDannald Date JAN. 2, 1959

Address Galena, Ohio Signed R. Bruce McDannald

LOCATED O/K

OC 010209

WELL LOG AND DRILLING REPORT

ORIGIN

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
1562 W. First Avenue
Columbus 12, Ohio

PLEASE USE PENCIL OR TYPEWRITER DO NOT USE INK.

No 296202

County Delaware Township Genoa Section of Township St.

Owner Robert L. Fulwider Address 9112 Jussic St. Westerville Ohio R.R.

Location of property 9112 Jussic St.

CONSTRUCTION DETAILS

Casing diameter 4¼" Length of casing 110'

Type of screen None Length of screen

Type of pump Submersible

Capacity of pump 700 gal. Per hr.

Depth of pump setting 84'

Date of completion Jan. 8 | 64

BAILING OR PUMPING TEST

Pumping Rate 10 G.P.M. Duration of test 2 hrs.

Drawdown 34 ft. Date

Static level-depth to water 44 ft.

Quality (clear, cloudy, taste, odor)

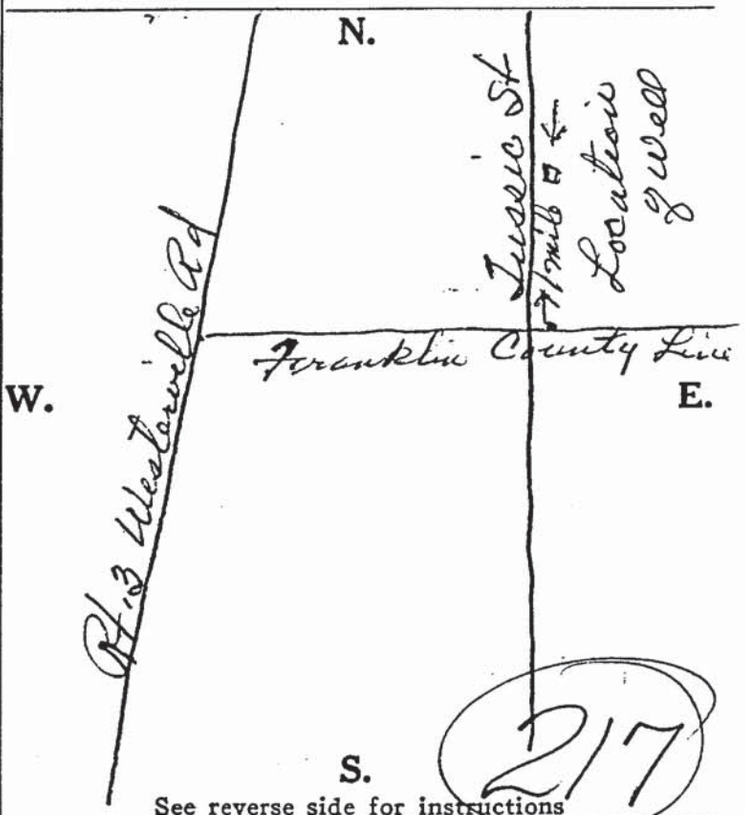
Pump installed by Plummer Bros

WELL LOG

Formations Sandstone, shale, limestone, gravel and clay	From	To
Clay	0 Feet	108 Ft.
sand & Gravel	108	110

SKETCH SHOWING LOCATION

Locate in reference to numbered State Highways, St. Intersections, County roads, etc.



217

See reverse side for instructions

Drilling Firm Plummer Bros

Address 531 N. Riverview St. Dublin Ohio.

Date Harold L. Plummers

Signed Jan 9/64

LOCATED

OC 010210

WELL LOG AND DRILLING REPORT

ORIGINA

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
Columbus, Ohio

LOCATED

142-91+

Nº ~~126~~743

21

County Delaware Township Genoa Section of Township or Lot Number

Owner Raymond E. Lytle Address 817 Wager St. Col. Oh.

Location of property Approx. 1 Mile ~~East~~ West off Sunbury Pike on Mackstown Rd. N. side of Rd.

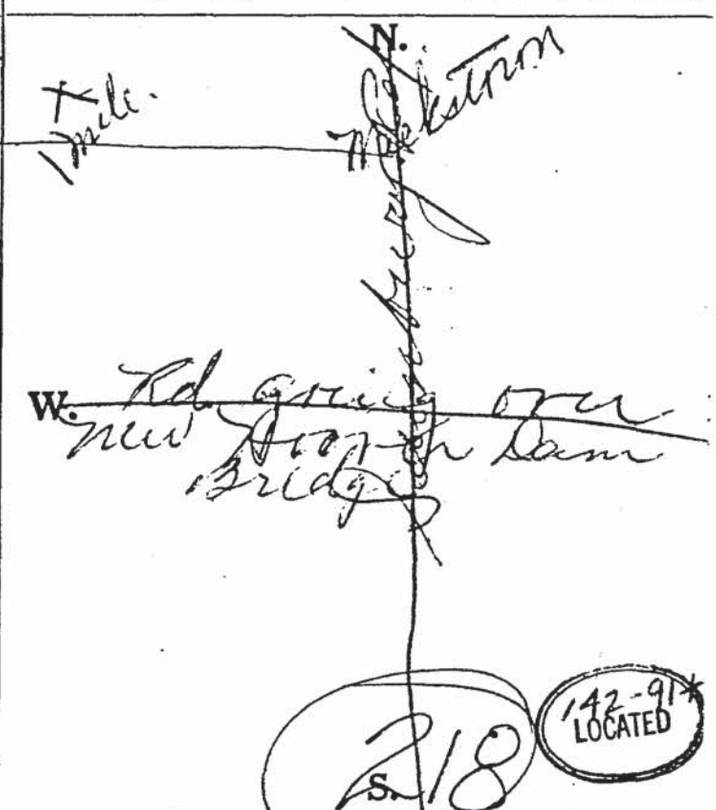
CONSTRUCTION DETAILS	PUMPING TEST
Casing diameter 5" Length of casing 91'	Pumping rate G.P.M. Duration of test h
Type of screen Length of screen	Drawdown ft. Date
Type of pump	Developed capacity
Capacity of pump	Static level—depth to water
Depth of pump setting	Pump installed by

WELL LOG

Formations Sandstone, shale, limestone, gravel and clay	From	To
	0 Feet	Ft.
Blue Clay	0	85
Sand	85	90
Gravel and Water	90	91

SKETCH SHOWING LOCATION

Locate in reference to numbered State Highways, St. Intersections, County roads, etc.



See reverse side for instructions

Drilling Firm ARCHIE RYAN WELL DRILLING CO.

Address 109 Kian Ave

Date June 13th 1956

Signed Mrs Archie Ryan

LOCATED

OC 010211