

## **PURDUE AGRICULTURAL CENTERS (PACs)**

### **Bodies of Water & Ditches**

Updated: March 11, 2022

#### **Davis-PAC**

- Central part of DPAC
  - Two ponds with total acreage of 0.75 acres.
  - Two constructed wetlands with a total acreage of 1.5 acres.
  - Two natural wetlands in the south woods with a total acreage of approximately 1.5 acres
  - An open ditch (Elkhorn Creek runs through the SE corner of the central part of DPAC for a distance of approximately 1,620 ft. Field tile, the pond overflow tile and facility drains and gutter outlets flow into the constructed wetland which in turn discharges into Elkhorn Creek.
  - The rest of the water from tile drains on the central part of DPAC and flows into an assortment of county tiles.
- South fields
  - There are no open ditches or wetlands in the south fields, however, water from the tile drains feed into the Elkhorn Creek.
- North fields
  - There are no open ditches or wetlands in the north fields but the water from the tile drains feeds into the Martha Davis Ditch which is a county tile drain. The Martha Davis Ditch becomes an open ditch about  $\frac{3}{4}$  of a mile from the north fields.

#### **Feldun-PAC**

- One fenced pond in Field 18
- One fenced pond in Field 20 (starting to dry up when we don't have rain consistently...a mud hole in fall 2021)
- One fenced pond in Field 21...dry more often than wet since drought in 2012
- Two sink-hole ponds cows can have access to in Field 19
- Two unfenced ponds in wooded area of Field 21
- Creek runs through the Dark Hollow quarry area
- One sink-hole pond at Oldham rental property
- Cow do not have access to Salt Creek at the Oldham property unless river is up and it's coming up the ditch

**Pinney-PAC**

- Wetland – continuous body of water year-round: 1.5 acres
- Grieger Ditch – county ditch, scheduled to be cleaned, 1+ mile long, 15+ ft. width
- Open Spur Ditches – Field G runs east west along the south end 1,900 ft, Field J runs east west 1,000 ft. with two 400 ft. ditches running north-south.

**Northeast-PAC**

- Kyler Tract
  - 3.5 acres of constructed wetland on the northwest edge of Field K811 with open water ranging from 0.2 acres to 1.25 acres depending on rainfall.
  - 0.17 acres designated wetland along the northeast edge of Field K12.
- Lawrence Tract
  - 3,150 ft. of open ditch (Gangwer Ditch) separates field L8 from the other fields on the farm. It always has water flowing in it.
  - 745 feet of open ditch flowing into the Gangwer Ditch along the southwest edge of field L8. It always has water flowing in it.
- Schrader Tract
  - 2,715 ft. of open ditch (Gangwer Ditch) which forms the north property line of the Schrader Farm. It always has water flowing in it.
  - 0.32-acre pond east of the grain bins.
  - 1.6 acres designated wetland by NRCS in the southeast corner of the Schrader Farm. Does not hold water but flows only after heavy rains.

**Southern Indiana-PAC**

- 20 ponds.
- One creek/stream that runs through SIPAC.
- Some of the ground in Field 4 may be considered wetlands.
- Some drainage on east side of SIPAC goes into Patoka Reservoir.

**Southwest-PAC**

- Open ditch that runs through the middle off SWPAC that is approximately 3,000 ft. long.
- Another open ditch on the south border of the property line approximately 1,500 ft. long.
- Neither one of these ditches is constantly flowing water; they will dry up during periods of dry weather.
- Wabash River lies just to the west of SWPAC.

**Southeast-PAC**

- Muscatatuck River - 4.3 miles
- Brush Creek - 1.9 miles
- Pleasant Run Creek - 1.8 miles
- Wetland V - 0.1 acre
- Wetland K - 0.75 acre
- Wetland A - 1.25 acres
- Wetland D - 1.0 acre

**Throckmorton-PAC**

- A seasonal open ditch flows through the east side of TPAC, 0.55 miles and is partially a two-stage ditch research site.
- Eight to 9 acres of pool area mitigated wetlands at Meigs “North” Farm.
- Wea Creek flows through the 80-acre tract that is part of the Meigs South, 0.66 miles.

**Mary S. Rice Farm**

- Williams Arm of the Tuesburg Ditch – 1.0 mile long & 15-20 feet wide - splits the main 640-acre section. Retains water year-round.
- Spur Ditches:  $\frac{3}{4}$ -mile long, occupying acreage in the west 320-acre section, mostly running north and south.  $\frac{1}{4}$ -mile long, occupying acreage in the west 320-acre section, running east and west.
- A  $\frac{1}{2}$ -mile and a separate  $\frac{1}{4}$ -mile long ditch, occupying acreage in the east 320-acre section running east and west. A  $\frac{1}{2}$ -mile long ditch running north and south in the east 160-acre section.
- Only the Williams Arm of the Tuesburg Ditch retains water year-round. The spur ditches may not always have water in them at certain periods of the year.