Wastewater Study Update

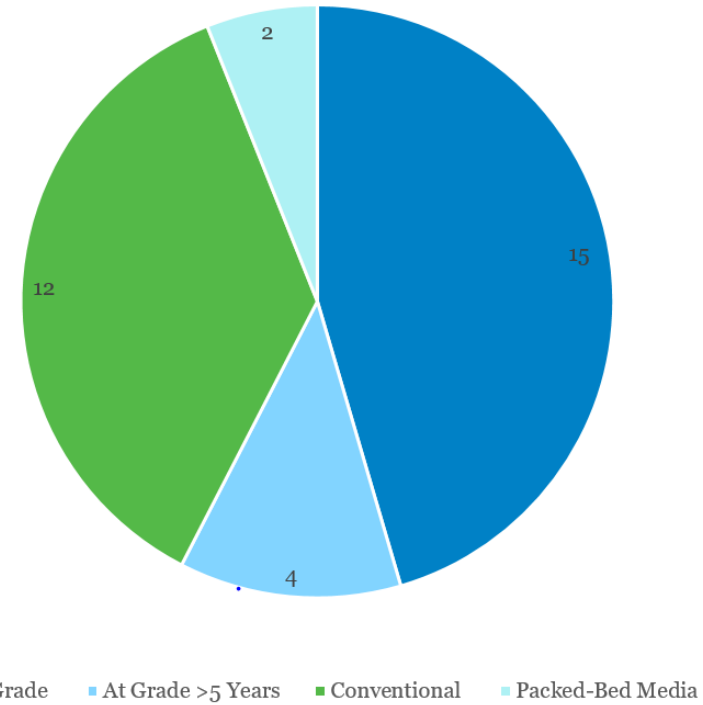
BOARD OF HEALTH

AUGUST 11, 2020

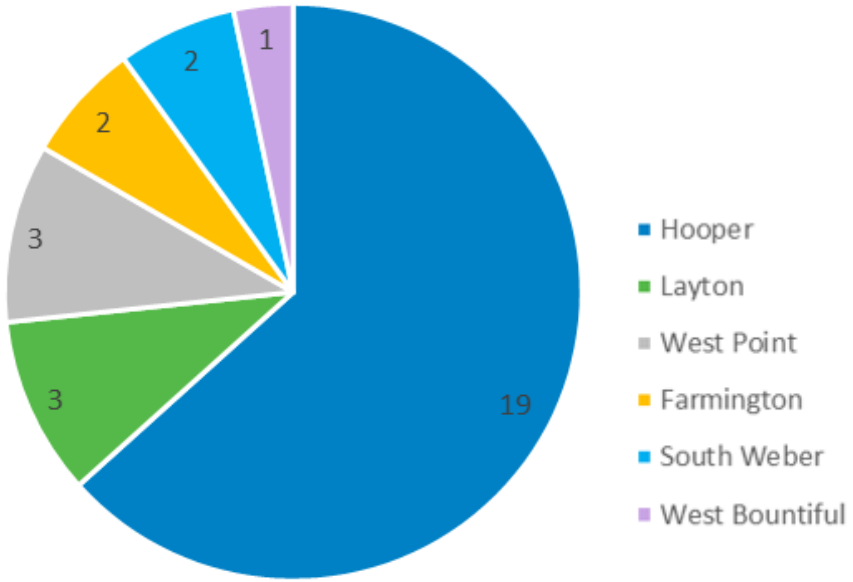
Davis COUNTY HEALTH DEPARTMENT

Program Profile

"The Department and the County's philosophy has been to promote community waste water systems (sewer) first then if needed address individual wastewater systems."



1979 – BOH Regulation
2012 – Alternatives added
2019 – Ordinance



Davis COUNTY HEALTH DEPARTMENT

Current Issues

- High Development Pressure
- Ordinance Change (August 2019)
  - Elimination of A-1, A-5, AE zoning
  - Created A-10 zone
- Public Health Concerns
  - Density
  - Groundwater contamination
  - Previous study in Weber County
    - 1 system per 27 acres

Zone	Parcels	Acres	# Units Current Zoning	# Units Proposed A-10 Zoning
A-1	683	6,758	6,758	
A-5	298	10,981	2,196	
AE	64	239	478	
Totals	1,045	17,978	9,500	1,800
Difference			7,700	

Request For Proposal

- Opened from April 20, 2020 – May 21, 2020
- Received two (2) bids
- Committee Members
  - North Davis Sewer District
  - West Point City
  - Davis County Community Economic Development
  - Weber- Morgan Health Department
  - Davis County Health Department (2)

Study Details

- Stakeholder Involvement
  - Consult and analyze relevant growth plans
  - Feedback on study objectives
- Assessment of Current Water Quality
  - Collect existing data
  - Identify new areas for testing
  - Perform sampling for a full water year and data analysis
- Comparison of Current Water Quality to Historical Conditions
  - Collect existing data
  - Compare water quality data of sewered areas against septic areas
  - Evaluate the impact of non-human wastewater related activities of water quality (e.g. irrigation, livestock, etc.) in the study area

Study Details (Continued)

- Hydrogeological Characterization
  - Identify and review previous studies and data
  - Characterize the relevant aquifers and vulnerabilities
  - Identify pollutant transport transects
  - Evaluate and characterize soil profiles
- Septic System Density Evaluation
  - Identify existing septic systems and their impact
  - Review potential impact of future high density septic
  - Make recommendation for future community development
  - Make recommendations per septic type (conventional, alternative, etc.)
- Final Report and Recommendations
  - Present study results to stakeholders
  - Prepare final report with recommendations

Questions ?