

MEMORANDUM

TO: Programs, Projects, and Operations Subcommittee
FROM: Eric Williams, Natural Resources Planner
DATE: February 2, 2017
SUBJECT: USACE Section 22 Stream Degradation Study, Letter of Intent

- PCWP Funding Contribution
- NRD Approval and Funding Contribution

Through investigations and documentation by the District, the City of Omaha Public Works Department, and other Papillion Creek Watershed Partnership (PCWP) members, increasing frequency of streambed and streambank issues has been documented across the Papillion Creek Watershed. Cost share programs and direct work by the District have helped to correct some issues on an individual basis. In looking at comprehensive watershed management, efforts toward stabilization, grade control, and other corrective action will be needed in the future. A map of documented erosion and stream degradation issues is attached.

The United States Army Corps of Engineers (USACE) Section 22 – Planning Assistance to States program provides cost share on planning studies, with 50% of the cost from the USACE and 50% provided locally. District and Public Works staff met with representatives from the USACE in December to discuss a study of stream issues across the entire Papillion Creek Watershed, and the process used when applying for Section 22. Following the submission of a Letter of Intent (draft attached), the project will be reviewed and evaluated, and if funded the study will be conducted by Corps personnel or a consultant selected by the Corps, with a total expected cost of \$200,000. A letter of support from the Public Works Department is attached, indicating their contribution of \$25,000 toward the local share of the study. The District will submit the Letter of Intent requesting the study be funded and completed.

It is anticipated that this study will result in prioritizing problem areas and potential projects which could be implemented. There are additional USACE funding programs to address documented issues, these programs include Section 14, Section 205, and Section 206.

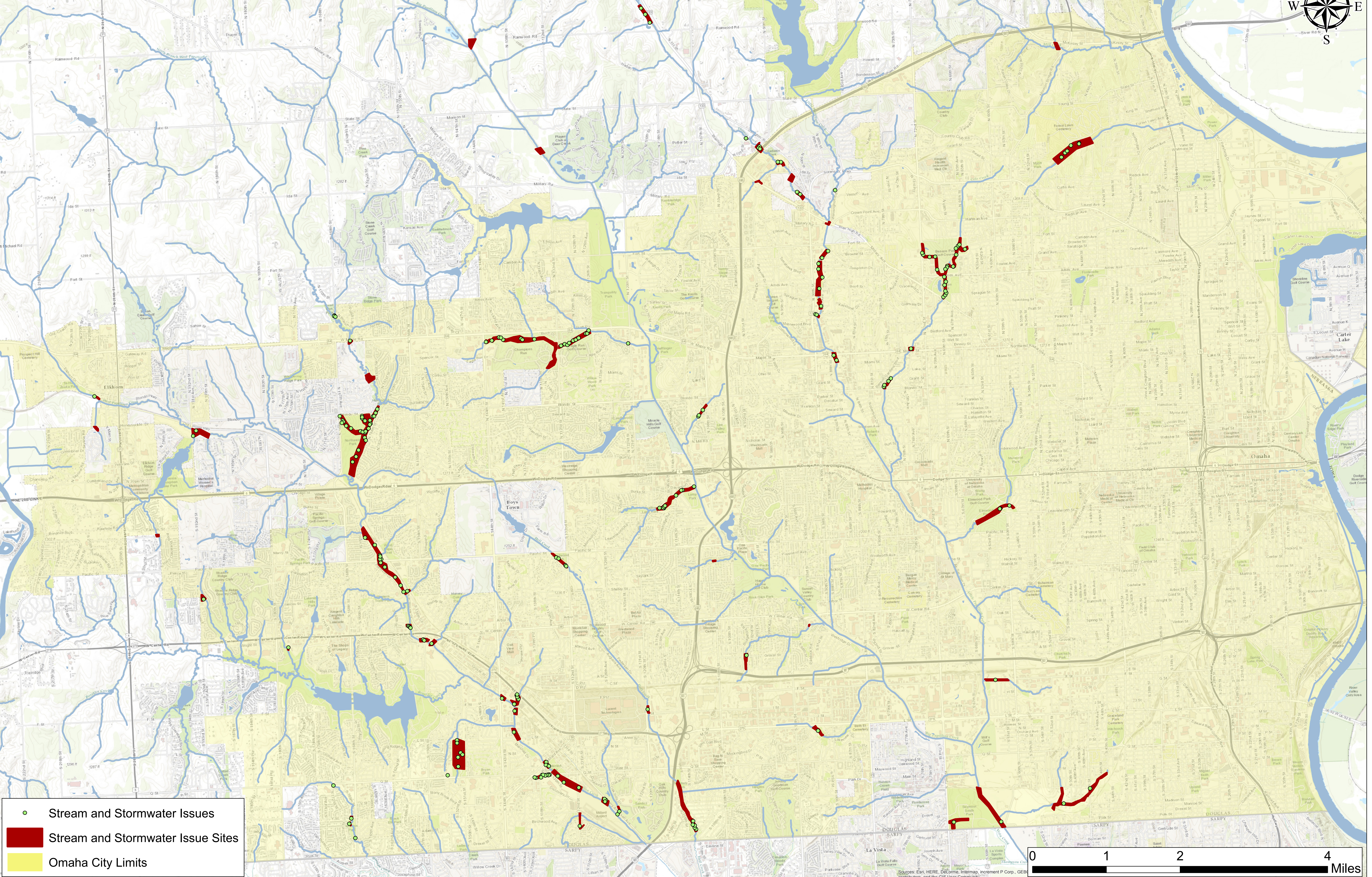
On January 26, 2017 the Executive Committee of the PCWP voted to provide \$50,000 toward the cost of the Section 22 Stream Degradation Study, with the District submitting the Letter of Intent.

The funding contributions are proposed as:

USACE	50 %	\$ 100,000
PCWP	25 %	\$ 50,000
District	12.5 %	\$ 25,000
City of Omaha	12.5 %	\$ 25,000

- **Management recommends that the Subcommittee recommend to the Board of the Directors that the General Manager be authorized to execute for and on behalf of the Papillion Creek Watershed Partnership the expenditure of \$50,000 as part of the local contribution to the USACE Section 22 Stream Degradation Study.**
- **Management recommends that the Subcommittee recommend to the Board of the Directors that the General Manager be authorized to submit the proposed Letter of Intent for the USACE Section 22 Stream Degradation Study, and that the District contribute \$25,000 toward the study.**

Stream and Stormwater Issue Locations



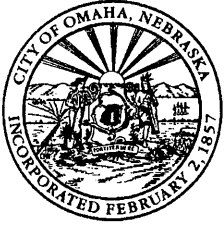
Stream and Stormwater Issues

Stream and Stormwater Issue Sites

Omaha City Limits



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, contributors, and the GIS User Community



City of Omaha
Jean Stothert, Mayor

Public Works Department

Omaha/Douglas Civic Center
1819 Farnam Street, Suite 601
Omaha, Nebraska 68183-0601
(402) 444-5220
Fax (402) 444-5248

Robert G. Stubbe, P.E.
Public Works Director

January 24, 2017

Mr. John Winkler, General Manager
Papio-Missouri River Natural Resources District
8901 S. 154th Street
Omaha, NE 68138

Dear Mr. Winkler:

We issue this letter in support of the Papio-Missouri River Natural Resources District (P-MRNRD)'s application to the Army Corps of Engineers' Planning Assistance to States (PAS) Program. We understand that, the provisions Section 22 of the Water Resources Development act of 1974 (Public Law 93-251), as amended, provide authority for the Corps, on a 50-50 cost sharing basis to assist non-federal entities in preparing comprehensive plans for the development, utilization and conservation of water and land related resources.

The City of Omaha Public Works Department supports the P-MRNRD, as lead agency in the effort to undertake a detailed general investigation study addressing recent patterns of heavy rainfall events, capturing data on increased rate of stream degradation, and including systemic characterization of this degradation; all with the goal of prioritizing areas of degradation to be addressed.

The Department staff holds the professional opinion that this information is crucial to create efficiency and success in our continued mutual efforts to provide for high water quality and controlled water quantity throughout the watershed area. As such, the Department is willing to partner with the P-MRNRD by providing for the cost of 25% of the local share, up to \$25,000.00.

We look forward to working with the PMRNRD on this effort. Please feel free to contact James Theiler, Assistant Director – Environmental Services at 402-444-5225 to arrange further discussion on this topic.

Sincerely,

Robert G. Stubbe, P.E.
Public Works Director

cc: Marlin Petermann, P-MRNRD
James Thieler, Public Works

RGS:htp



February 10, 2017

District Engineer
U.S. Army Corps of Engineers, Omaha District
ATTN: Planning, Programs and Project Management Division, Planning Branch
1616 Capitol Avenue
Omaha, Nebraska 68102-4901

Dear Sir or Madam:

This is in reference to the Corps of Engineers' Planning Assistance to States (PAS) Program. We understand that the provisions of Section 22 of the Water Resources Development Act of 1974 (Public Law 93-251), as amended, provide authority for the Corps, on a 50-50 cost sharing basis, to assist non-federal entities in preparing comprehensive plans for the development, utilization, and conservation of water and related land resources.

The Papio-Missouri River Natural Resources District requests planning assistance for study of stream degradation in the Papillion Creek Watershed, located in the counties around the Omaha metropolitan area.

We would like to discuss the availability of information, required schedule, and level of effort required in order to negotiate a Letter of Agreement to initiate a Section 22 study. Please contact Eric Williams, (402) 315-1704, EWilliams@PapioNRD.org to arrange a further discussion of this inquiry.

Sincerely,

John Winkler
General Manager
Papio-Missouri River NRD
8901 S 154th Street
Omaha, NE 68138