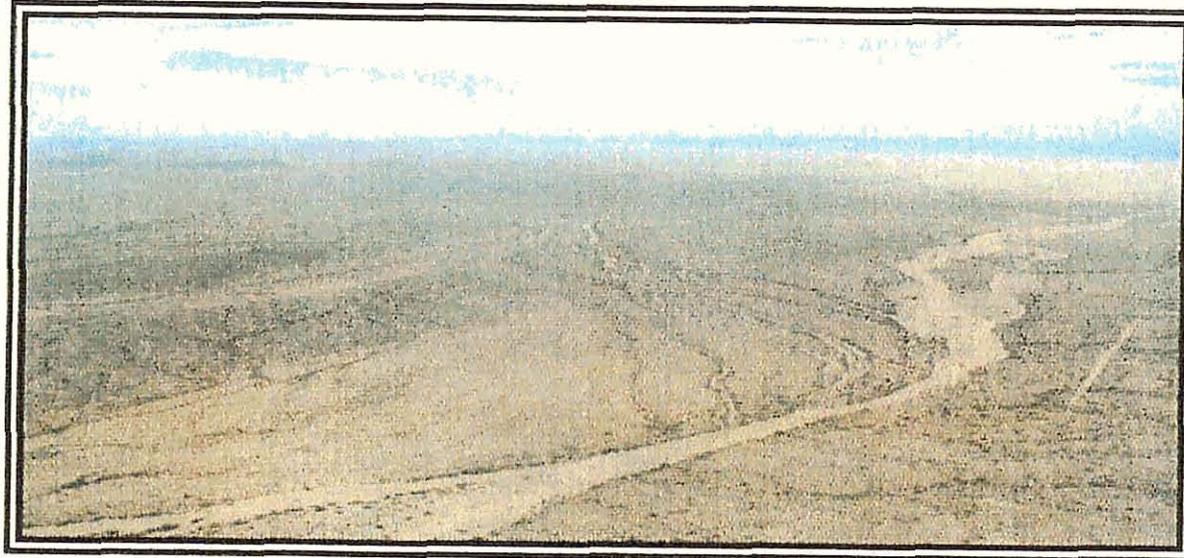

Lower Hassayampa River Watercourse Master Plan

Volume 7: Stakeholder Involvement



Prepared for:



2801 W. Durango Street
Phoenix, AZ 85009

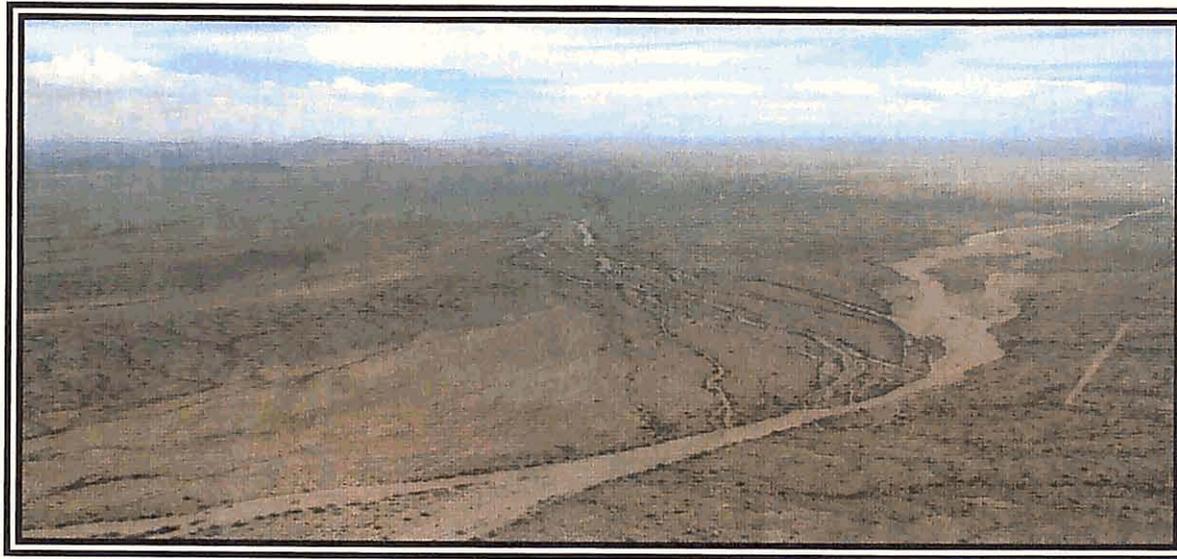
Prepared by:

C.L. Williams Consulting, Inc.
4720 West Maverick Lane, Suite 103
Lakeside, Arizona 85929
www.clwilliams.net

April 2006

Lower Hassayampa River Watercourse Master Plan

Volume 7: Stakeholder Involvement



Prepared for:



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April 2006

Lower Hassayampa Watercourse

Master Plan Phase 1

Stakeholder and Public

Involvement Summary

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MEMORANDUM

DATE: January 29th, 2006
TO: John Hathaway
FROM: Chuck Williams
RE: **LOWER HASSAYAMPA WATERCOURSE MASTER PLAN
STAKEHOLDER AND PUBLIC INVOLVEMENT SUMMARY**

STAKEHOLDER INVOLVEMENT PROGRAM APPROACH

The Stakeholder Involvement program for this project was designed and completed with the goal of providing limited input from stakeholders due to the data collection and technical focus of the Watercourse Master Plan (WCMP). To achieve this end, a modified "3 I's" method which has been used successfully in other similar projects was utilized. Simply put, the 3 I's method of Stakeholder Involvement is to utilize a 3-Phase approach as follows:

Phase 1

Inform the stakeholders of the project at the early stages to obtain any useful knowledge they may have from a data collection standpoint as well as to receive any initial input they may have regarding scope of work or process. This was accomplished through facilitated Stakeholder Workgroups, individual meetings and meetings with various stakeholders as needed. Stakeholders and their concerns/interests were identified and addressed through out the project.

Phase 2

Involve the stakeholders through out the course of the WCMP so that they stay informed and interested in the project. This also allowed for them to see the reasons why, or why not, their input would be included in the development of alternatives. This was also accomplished through the use of Workgroups as well as individual meetings. An added benefit of maintaining contact through the course of the project is that new staff members and elected officials from the agencies were educated prior to being shown the end product. Their involvement was reflected in the products throughout development of the Preferred Alternative.

Phase 3

Include the stakeholders in the process of selection of the Preferred Alternative. This was accomplished using a combination of Workgroups as well as individual meetings. Stakeholders' input was included throughout the project and was included in developing the Preferred Alternative.

STAKEHOLDER INVOLVEMENT SUMMARY

The results of the Stakeholder Involvement Strategy are summarized below. A set of stakeholder Workgroups was held at the beginning of the WCMP. C.L. Williams Consulting Inc. (CLW) led the effort for non-Sand & Gravel Mining interests. JE Fuller/Hydrology & Geomorphology Inc. (JEF) led the coordination effort with sand and gravel mining interests by meeting regularly with the Arizona Rock Products Association (ARPA). A summary of results for the sand and gravel mining stakeholder coordination effort are included in this report.

The non-sand & gravel interest stakeholders were initially organized as 3 interest based workgroups; the "Large Parcel/Developers", "Water Users/Agricultural" and the "Agencies and Utilities". Copies of the kickoff Workgroup meeting agendas and meeting summaries are included as an appendix to this report.

Individual meetings were held with several potential private developments within the project area throughout the course of the study.

Workgroup meetings were also held to present the Draft Preferred Alternative. It was decided to combine the Agencies and Utilities with the Water Users workgroup and to combine the Large Parcel/Developers and the Agricultural workgroup members. Copies of the final Workgroup meeting agendas and meeting summaries are included as an appendix to this report.

PUBLIC INVOLVEMENT SUMMARY

The public involvement component of the WCMP was led by the District with support from JEF and CLW. A public meeting was held in Buckeye at the project start and one to present the Draft Preferred Alternative. Copies of the Public Involvement Plan and the 2 project newsletters are included as an appendix to this report.

STAKEHOLDER AND PUBLIC INVOLVEMENT COMMENT SUMMARY

The executive summary found elsewhere in the Plan details the Preferred Alternative by reach location, improvement type (structural versus non-structural), reported public reaction to the preferred alternative (favorable versus non-favorable) and any known regulatory or permitting requirements. Many of the Preferred Alternative elements are connected with other public or private agency programs and authorities. The result is that often their schedule or funding will drive the construction timeline. Recognition of

this fact by the District and planning for this in future coordination efforts will allow for cost effective and efficient construction completion. If the coordination is not continued after WCMP completion, it is possible that other agencies will move ahead with their projects and not include Preferred Alternative drainage improvements. The stakeholder database is attached as an appendix to this report.

The Preferred Alternative for this project is comprised of structural and non-structural solutions at various locations. These locations are distributed throughout the project area and include construction and non-construction activities that will ultimately be funded in one of three ways:

- 1) Solely funded by the District.
- 2) Funded solely or in partnership among private and/or public agencies including the District.
- 3) Funded solely or in partnership among private and/or public agencies **not** including the District.

The Preferred Alternative was developed after extensive technical review of the drainage, infrastructure and land use conditions in the project area. Effort was also put forth by the project team to involve the general public, as well as public and private sector stakeholders, in development of the Preferred Alternative. The stakeholder effort was designed and carried out so as to maximize development of a Preferred Alternative that could be implemented as efficiently and cost-effectively as possible.

The Public and Private Sector Stakeholders expressed support for the preferred alternative and recommended moving to Phase 2 as quickly as possible in order to proactively address growth issues in the region.

In general the public was supportive of the project and encouraged that Phase 2 be undertaken as soon as possible.

The mining community expressed a strong interest in being involved in the scoping and alternative evaluation portions of Phase 2 of the WCMP, with the explicit recommendation that Phase 2 should be authorized. The primary concerns of the mining industry were recognition that aggregate is an important component for the local economy and the development industry, the desire to minimize new floodplain management regulations, and the opportunity to maximize the use of private property. ARPA members expressed a strong desire to remain informed and to participate in the decision making processes of the Phase 2 WCMP.

APPENDICES

STAKEHOLDER INVOLVEMENT MEETING DOCUMENTATION

Public & Private Sector



AGENCIES & UTILITIES STAKEHOLDER MEETING AGENDA

LOCATION: *Adobe Conference Room
Flood Control District of Maricopa County
2801 West Durango Street
Phoenix, AZ*

DATE: *Wednesday, September 8th, 2004*

TIME: *9:00 am – 11:00 pm*

- I. 9:00 - Introductions and Opening Comments** **John Hathaway**
- **FCDMC Staff**
 - **Consultant Staff**
 - **Stakeholders**
- II. 9:10 - Meeting Purpose** **Chuck Williams**
- **Inform Stakeholders of WCMP effort**
 - **Include Stakeholders issues and constraints in WCMP process**
 - **Involve Stakeholders in the WCMP results**
- III. 9:20 - Project Scope and Approach** **John Hathaway**
- **Watercourse Master Plan Phase I**
 - **Products and Deliverables**
 1. **Data Collection Report**
 2. **Hydrology & Hydraulics Report**
 3. **River Behavior Report**
 4. **Floodplain Delineations Report**
 5. **Master Plan Report**
 6. **Schedule**
- IV. 10:00 - Stakeholder Involvement** **Chuck Williams**
- **Stakeholder Individual Reaction and Comments**
 - **Stakeholder Individual and Group Issues**
- V. 10:45 – Summary/Next Steps** **CW/JH**
- VI. 11:00 - Adjourn**



DATE: October 4, 2004
TO: John Hathaway, FCDMC
FROM: Chuck Williams
RE: Lower Hassayampa River Watercourse Master Plan – Phase 1
Agencies and Utilities Stakeholder Meeting
Minutes: September 8, 2004
cc: Jon Fuller, JE Fuller
Greg Jones, Flood Control District of Maricopa
County

The stakeholder coordination meeting with agencies and utilities was held at the Flood Control District of Maricopa County (District) Spook Hill/Guadalupe Conference Room at 9:00 am on September 8, 2004. This memorandum summarizes the issues presented and discussed.

Attendance: The meeting sign-in sheet is attached.

District Attendees:

John Hathaway – District Project Manager
Greg Jones – District Regional Planning Manager
Jon Fuller – Consultant Project Manager
Chuck Williams – Consultant Stakeholder Coordinator

Stakeholders:

Randy Butler – Arizona Public Service
Mike Bouche – Arizona Public Service
Mollyann Garrett – Maricopa County Parks & Recreation Department
Mike Sabatini – Maricopa County Department of Transportation

Presentation/Discussion Items:

1. The study limits include the Hassayampa River corridor from the Gila River confluence to the Central Arizona Project (CAP) canal crossing, and Jackrabbit Wash from the Hassayampa River confluence to the CAP canal crossing.
2. The objective of Phase 1 of the LHWCMR is characterizing existing conditions, identify planning needs and constraints, and predict and understand river behavior. Specific tasks include new hydraulic modelling of the Hassayampa

River using new topographic mapping, new floodplain delineation of Jackrabbit Wash, sediment transport modelling of the Hassayampa River, and lateral erosion hazard zone delineation for both rivers. Optional tasks include two-dimensional modelling of the levee reach of the Hassayampa River near the Gila River confluence, and submittal of revised hydraulic modelling of the Hassayampa River to FEMA as LOMR.

3. The LHWCMR Phase 1 does not include developing a river management plan or plan alternatives, but will include determining whether such a plan is needed.
4. Question/Answer Period.

Team: Is there information you can share with us?

APS:

1. Palo Verde Water Cooling Line– 91st Avenue to PVNGS ~ 30 miles of 114" water line.
2. Pump Station at Johnson & Baseline 66" pipe into plant but it is not disinfected.
3. It as about 60K Gallons per minute – it has failed 3 times with the last in 1997.
4. Rigorous maintenance now, it is PCCP . Near Luke wash – Salome Hwy and near Cotton Lane there was failure due to cracks in pipe.
5. Typically pipeline is encased.
6. We will be interested in Hydraulics results of the study.

Team: Will river elevations or grades change from the pipeline? Mainly pump station concerns.

APS:

1. Easements and ROW typically 50 ft for pipeline.
2. Typically deeded except for state land permits.
3. Mike Dewitt is contact for Transmission Line info or Paul Richards.

Team: Is anyone concerned about keeping river corridor open to public access while maintaining quality?

M CPRD:

1. Yes, think it is a corridor for connecting trails to North White Tanks Park.
2. Buckeye reportedly purchasing South White Tanks 38,000 acres.
3. White Tanks Park 28,000 acres are largest in state.
4. Connect regional trail from Buckeye Hills to White Tanks is possible
5. Chris Cooper from Parks is the trail person to contact.
6. Open space is big issue as development occurs.

Team: Are there transportation issues we need to be aware of?

MCDOT:

1. In this FY budget is a corridor and access control study for Sun Valley Parkway.
2. Also a corridor study north to SR74 (243rd Avenue).
3. No existing area Transportation Plan.
4. Coming large developments are Douglas Ranch in Buckeye and Belmont in County (1-10 to Douglas Ranch).
5. Believe that 7 – 8 crossings of River study area are suggested by them.
6. 355th Avenue is another potential Corridor
7. Will check on CIP projects in the area.
8. Just heard about development of 3,000 acres at Johnson Road & Yuma Road (ask Tim Oliver).
9. Major Evacuation Routes for Palo Verde in the area, ADEM is lead for that – John Spencer is contact
10. Warren Leeks is acting director of ADEM.

Team: Are there any other questions and will you find the study results useful?

Stakeholders: Yes, keep us informed. We would like to see alternatives developed as this is a rapidly growing area and it would be good to have a drainage master plan in place.

Action Items:

1. APS – Ask Mike Dewitt about transmission ties in 10-year plan. As they will go to north side of White Tanks and future transmission line locations.

If Stakeholders have questions or concerns they can contact Chuck Williams or John Hathaway.

LOWER HASSAYAMPA RIVER WATERCOURSE MASTER PLAN



WATER USERS/AGRICULTURAL STAKEHOLDER MEETING AGENDA

LOCATION: *Buckeye Irrigation District
205 East Roosevelt Street
Buckeye, AZ*

DATE: *Wednesday, September 8th, 2004*

TIME: *1:00 – 3:00 pm*

- I. 1:00 - Introductions and Opening Comments** **John Hathaway**
- FCDMC Staff
 - Consultant Staff
 - Stakeholders
- II. 1:10 - Meeting Purpose** **Chuck Williams**
- Inform Stakeholders of WCMP effort
 - Include Stakeholders issues and constraints in WCMP process
 - Involve Stakeholders in the WCMP results
- III.1: 20 - Project Scope and Approach** **John Hathaway**
- Watercourse Master Plan Phase I
 - Products and Deliverables
 1. Data Collection Report
 2. Hydrology & Hydraulics Report
 3. River Behavior Report
 4. Floodplain Delineations Report
 5. Master Plan Report
 6. Schedule
- IV.2:00 - Stakeholder Involvement** **Chuck Williams**
- Stakeholder Individual Reaction and Comments
 - Stakeholder Individual and Group Issues
- V.2: 45 – Summary/Next Steps** **CW/JH**
- VI.3:00 – Adjourn**



DATE: November 20, 2004
TO: John Hathaway, FCDMC
FROM: Chuck Williams
RE: Lower Hassayampa River Watercourse Master Plan – Phase 1
Water Users / Agricultural Stakeholder Meeting
Minutes: September 8, 2004
cc: Jon Fuller, JE Fuller

The stakeholder coordination meeting with water users and agricultural interests was held at the Buckeye Irrigation District at 1:00 pm on September 8, 2004. This memorandum summarizes the issues presented and discussed.

Attendance: The meeting sign-in sheet is attached.

District Attendees:

John Hathaway – District Project Manager
Jon Fuller-Consultant Project Manager
Chuck Williams – Consultant Stakeholder Coordinator

Stakeholders:

T. Gladden
Warren Gable – Arlington Canal Co.
Jackie Meck – Buckeye WCDD
Jeannette Fish – Maricopa County Farm Bureau
Joan Gable – Wass/Gerke & Associates
Stan Ashby – Roosevelt ID
Murray Johnson, Jr. – Shiloh Ranch

Discussion Items:

5. The study limits include the Hassayampa River corridor from the Gila River confluence to the Central Arizona Project (CAP) canal crossing, and Jackrabbit Wash from the Hassayampa River confluence to the CAP canal crossing.
6. The objective of Phase 1 of the LHWCMR is to characterize existing conditions, identify planning needs and constraints, and predict and understand river behavior. Specific tasks include new hydraulic modelling of the Hassayampa River using new topographic mapping, new floodplain delineation of Jackrabbit Wash, sediment transport modelling of the Hassayampa River, and lateral erosion hazard zone delineation for both rivers. Optional tasks include two-dimensional modelling of the levee reach of the Hassayampa River near the Gila

River confluence, and submittal of revised hydraulic modelling of the Hassayampa River to FEMA as LOMR.

7. The LHWCMF Phase 1 does not include developing a river management plan or plan alternatives, but will include determining whether such a plan is needed.

8. Question/Answer Period.

Stakeholder: Concerned about groundwater recharge upstream that moves water downstream potentially creating flooding problems. Are there flood records? Is there any chance for making it look like the Agua Fria River?

Response:

1. Yes, there are flood records and we are not developing alternatives as part of Phase I.

Stakeholder: You should take it to next step for developing alternatives for a plan.

Response:

4. Thank you for the comment we will include it in our report.

Stakeholder: Concerned about Luke Wash flooding due to changes in flood regime.

1. In 1934 the Hassayampa was 12 feet deep and now that Gillespie Dam is broken the river will get deeper and deeper.
2. Tamarisk is an issue that should be addressed.
3. What about channeling the Gila River near SR 85. Next step is to address problems past El Rio from SR 85 to Gila Bend

Response: We are only doing a limited environmental review as part of the study. A detailed tamarisk management study and plan is not part of this phase of the project. If Phase II is authorized we will consider that task at that time.

Stakeholder: Will El Rio be channelized?

Response:

1. Channelization will be considered as one of the El Rio alternatives
2. Depth to groundwater is about 8 ft deep, we will probably open it up to that depth if we do channelize.

Stakeholder:

1. There are 12 wells on El Rio. Worried about open channels on the El Rio project then the water will back up at the Hassayampa.

2. Look at confluence of Hassayampa and Gila River.
3. Make sure there are no problems with upstream improvements.
4. 9" – 10" rain a few years back up at Jackrabbit Wash that reeked havoc downstream.
5. Why not burn the tamarisk like we used to do?
6. We cleaned the Hassayampa in 1980 and then the Gila was cleaned out of vegetation as well and it worked. Why don't you do that now?
7. Hassayampa drops a lot of sediment into the Gila so you need to consider that.
8. What is the possibility of buying land as reserve for open space?
9. If you put in a channel then you must maintain it and make sure that the channel goes far enough downstream and that you don't create flooding that will destroy private property at the end.
10. Sand & Gravel will be an issue due to the major developments in the area.

Response: Thank you for the comments we will include them in our report.

Stakeholder: If you were to channel the Hassayampa when would you do it? We used to clean it out and push up levees to protect ourselves.

Response:

1. The Army Corps of Engineers stopped you from channeling. If you wanted to do it again you would need permits from them and FCDMC.
2. FCDMC wouldn't be recommending channelizing for 5 years minimum due to the process.

Stakeholder:

1. Cut brush out of Hassayampa so water can flow.
2. Channel is being choked by vegetation near level areas.
3. Murray Johnson is also a contact for info.
4. Gladden might be developing using Tom Johnson as the engineer on his development.
5. Johnson Farm is in floodway but never seen flooding since 1934.

Response: Thank you for the comments we will include them in our report.

Action Items:

2. None

If Stakeholders have questions or concerns they can contact Chuck Williams or John Hathaway.



DATE: November 6, 2004

TO: John Hathaway, FCDMC

FROM: Chuck Williams

RE: Lower Hassayampa River Watercourse Master Plan – Phase 1
Arizona State Land Department Stakeholder Meeting
Minutes: September 10, 2004

cc: Jon Fuller, JE Fuller
Greg Jones, Flood Control District of Maricopa
County

The stakeholder coordination meeting with agencies and utilities was held at the Arizona State Land Department Room 325 at 1:00 pm on September 10, 2004. This memorandum summarizes the issues presented and discussed.

Attendance: The meeting sign-in sheet is attached.

District Attendees:

John Hathaway – District Project Manager
Greg Johnson - Flood Control District of Maricopa County
Chuck Williams – Stakeholder Coordinator
David Boggs – FCDMC
Ted Lehman - JE Fuller

Stakeholders:

Gary Slusher - ASLD
Dempsey Helms - ASLD
Gordon Taylor – ASLD
V. Ottozawa - ASLD

Discussion Items:

9. The study limits include the Hassayampa River corridor from the Gila River confluence to the Central Arizona Project (CAP) canal crossing, and Jackrabbit Wash from the Hassayampa River confluence to the CAP canal crossing.
10. The objective of Phase 1 of the LHWCMF is characterizing existing conditions, identify planning needs and constraints, and predict and understand river behavior. Specific tasks include new hydraulic modelling of the Hassayampa

River using new topographic mapping, new floodplain delineation of Jackrabbit Wash, sediment transport modelling of the Hassayampa River, and lateral erosion hazard zone delineation for both rivers. Optional tasks include two-dimensional modelling of the levee reach of the Hassayampa River near the Gila River confluence, and submittal of revised hydraulic modelling of the Hassayampa River to FEMA as LOMR.

11. The LHWCMR Phase 1 does not include developing a river management plan or plan alternatives, but will include determining whether such a plan is needed.

12. Question/Answer Period.

Stakeholder:

1. Please put ASLD on the El Rio mailing list.

Response: Noted

Stakeholder:

5. We want to see how it plays out between Douglas Ranch and Sun Valley Developments.
6. How many bridge crossings are needed would be useful information.
7. Nothing on disposition plan now – there is a draft that is not ready for release.

Response: We don't know about number of bridge crossings at this time. We have heard that maybe 8 may be needed.

Stakeholder:

1. Will provide GIS of land info to the project team as ASLD has done in the past.

Response: Thank you

Stakeholder:

3. ASLD would like to be invited to future sand & gravel meetings.

Response: Noted and will do

Stakeholder:

1. ASLD also wants to be invited to progress meetings.

Response: Noted and will do

Stakeholder:

3. What influences will this have on the permitting stage ay FCDMC?
4. ASLD will do parallel Sand & Gravel identifications.

Response:

1. Information will be available to regulatory as it is developed.
2. River mechanics study looking at baseline now not details of each development.
3. Phase II would be to evaluate how can infrastructure be safely installed.
4. FCDMC will work with Buckeye for 404 Regional Permit authority if Buckeye so desires.

Stakeholder:

1. Less than 10% of each river mile is suitable for Sand & Gravel operations.
2. ASLD want to manage watercourse and land as an asset for the State.
3. What is the team doing about FEMA floodway/floodplains?
4. Ask Phil Pearthree about active/inactive alluvial fan areas that are in the Buckeye/Sun Valley ADMS.

Response: Will bring Buckeye ADMS team down to brief ASLD.

Stakeholder:

1. ASLD is willing to use systematic approach
2. Some people came to ASLD on recharge projects – real projects are OK.
3. Ask Cindy Stepanovich – ADWR Water Rights about recharge issues in the project area.
4. ASLD wants to us to go to Phase II especially to see results of the structural and non- structural analysis.
5. ASLD is willing to share data with FCDMC but expect the same back.
6. If flood protection response projects are needed that is ok.
7. What level environmental analysis is needed for this study and is it available for ASLD

Response: 1. Noted and will include the comments in the report.
2. An overview environmental analysis is all that is scoped and yes the results will be available to ASLD when completed.

Stakeholder:

1. We need the report right away when it is available.
1. We want to be involved and know best areas for development and the areas where there are hydraulic and geologic controls.

2. Gary has already done some preliminary S & G analysis and identification of suitable areas.
3. Gordon will be primarily interested in the phase II results when that happens,
- 2.

Response:

4. Noted and Thank You.

Action Items:

3. Dempsey will be POC for projects.
4. Victoria Corrella is another ASLD contact to use.
5. Greg setting up meeting with Buckeye & El Rio team to brief ASLD.
6. Dempsey will provide GIS layers and S & G info to FCDMC.
7. FCDMC will provide models as developed.
8. Will invite Dempsey to progress meetings.

If Stakeholders have questions or concerns they can contact Chuck Williams or John Hathaway.

LOWER HASSAYAMPA RIVER WATERCOURSE MASTER PLAN



LARGE PARCEL/DEVELOPMENT STAKEHOLDER MEETING AGENDA

LOCATION: *Flood Control District of Maricopa County
2801 West Durango Street
Phoenix, AZ*

DATE: *Tuesday, September 14th, 2004*

TIME: *9:00 – 11:00 am*

- I. 9:00 - Introductions and Opening Comments** **John Hathaway**
- FCDMC Staff
 - Consultant Staff
 - Stakeholders
- II. 9:10 - Meeting Purpose** **Chuck Williams**
- Inform Stakeholders of WCMP effort
 - Include Stakeholders issues and constraints in WCMP process
 - Involve Stakeholders in the WCMP results
- III. 9: 20 - Project Scope and Approach** **John Hathaway**
- Watercourse Master Plan Phase I
 - Products and Deliverables
 1. Data Collection Report
 2. Hydrology & Hydraulics Report
 3. River Behavior Report
 4. Floodplain Delineations Report
 5. Master Plan Report
 6. Schedule
- IV. 10:00 - Stakeholder Involvement** **Chuck Williams**
- Stakeholder Individual Reaction and Comments
 - Stakeholder Individual and Group Issues
- V. 10: 45 – Summary/Next Steps** **CW/JH**

VI.11:00 - Adjourn



DATE: December 4, 2004
TO: John Hathaway, PE/FCDMC
FROM: Chuck Williams, PE
RE: Lower Hassayampa River Watercourse Master Plan – Phase 1
Large Parcel / Development Stakeholder Meeting
Minutes: September 14, 2004
cc: Jon Fuller,

The stakeholder coordination meeting with agencies and utilities was held at the Yavapai Conference Room at 9:00 am on September 14, 2004. This memorandum summarizes the issues presented and discussed.

Attendance: The meeting sign-in sheet is attached.

District Attendees:

John Hathaway – District Project Manager
Jon Fuller - JE Fuller Project Manager
Greg Jones - Flood Control District of Maricopa County
Chuck Williams - Stakeholder Coordinator
Melissa Lempke - Flood Control District of Maricopa County

Stakeholders & Constituents:

Travis Ives – MB Group
Dave Ullrich – RBF Consulting
Bob Speirs - Stardust
Bill Ring – Belmont
Tom Johnson – Gladden Farms
Ryan Weed – CVL
Brian Rosenbaum – Lennar
Steve Pritulsky – Westpac Development
Teri George – DEA
Stephen Earl - ECL

Discussion Items:

13. The study limits include the Hassayampa River corridor from the Gila River confluence to the Central Arizona Project (CAP) canal crossing, and Jackrabbit Wash from the Hassayampa River confluence to the CAP canal crossing.
14. The objective of Phase 1 of the LHWCMR is to characterize existing conditions, identify planning needs and constraints, and predict and understand river behavior. Specific tasks include new hydraulic modelling of the Hassayampa River using new topographic mapping, new floodplain delineation of Jackrabbit Wash, sediment transport modelling of the Hassayampa River, and lateral erosion hazard zone delineation for both rivers. Optional tasks include two-dimensional modelling of the levee reach of the Hassayampa River near the Gila River confluence, and submittal of revised hydraulic modelling of the Hassayampa River to FEMA as LOMR.
15. The LHWCMR Phase 1 does not include developing a river management plan or plan alternatives, but will include determining whether such a plan is needed.
16. Question/Answer Period.

Stakeholder: Regarding the Buckeye Flood Retarding Structure; will the design be revised as part of this study?

Response: No, it will not be.

Stakeholder: If the Buckeye FRS hydrology is revised, specifically the time of concentration, how will the Hassayampa River hydrology and Flood Delineation Study be impacted?

Response: Our preliminary review of the Hassayampa hydrology suggests that the existing flow rate is conservative. We don't anticipate that there would be significant impacts.

Stakeholder: We are doing the Buckeye Recreational Plan. How will your study impact that Plan?

Response: Buckeye is a full project partner and we will coordinate the 2 efforts thru them.

Stakeholder: Now is the time to do this plan. You should take it to the next level of doing the alternatives analysis. Otherwise you will miss another opportunity to be in front of development as happened on the Agua Fria.

Response: Thank you for the comment. We will include it in our report.

Stakeholder: How will sand & gravel mining be addressed?

Response: We don't know at this level of planning however we are meeting with them as part of the study in an effort to coordinate with them.

Stakeholder: When will the hydrology be completed? Will it be available to us?

Response: The hydrology should be completed sometime this fall. It will become available to you as it is approved by the District.

Action Items:

None

If Stakeholders have questions or concerns they can contact Chuck Williams or John Hathaway.

LOWER HASSAYAMPA RIVER WATERCOURSE MASTER PLAN



LARGE PARCEL/DEVELOPMENT STAKEHOLDER MEETING AGENDA

LOCATION: *Flood Control District of Maricopa County
2801 West Durango Street
Phoenix, AZ*

DATE: *Thursday, October 27th, 2005*

TIME: *10:30am – 12:00 pm*

I. 10:30 - Welcome and Opening Remarks

Supervisor Mary Rose Wilcox

II. 10:40 – Introductions and Meeting Overview

- Meeting Purpose
- Receive Input on the WCMP results

III. 10: 50 - Project Summary of Findings

- Hydrology
- Floodplain Delineations
- Erosion Hazard Zones
- Sediment Transport
- Groundwater Recharge
- Preliminary Alternatives/Phase II Scoping

IV. 11:20 - Stakeholder Involvement

- Stakeholder Individual Comments

V. 11: 50 – Summary/Next Steps

VI. 12:00 - Adjourn

LOWER HASSAYAMPA RIVER WATERCOURSE MASTER PLAN



LARGE PARCEL/DEVELOPMENT STAKEHOLDER MEETING SUMMARY

When discussing that the Old US 80 Bridge doesn't have the necessary capacity, is that under the assumption that the levees are problematic? Will there be issues getting the flow to the bridge?

The River deals with a lot of history (bridges) Describe if the bridges have helped the river stay put or caused problems?...Degradation issues are arising, possibly due to narrowness and excess scour. There have been some fluctuations in elevation due to the construction of Gillespie Dam.

Noted that changes in river pattern and extended flow at lower rates are equated to rains.

Gillespie Dam/1993 Flood-appears there has been erosion at the confluence, but has the channel deepened? Yes, the channel has deepened some and has tall, undercut banks south of the farm fields.

It seems that flow data from the District is different than that of FEMA...why? FEMA data is older (1986) and they had an overall shorter record gauge data.

It was discussed that more than half of the river bottom is owned by people with intentions of mining, how does this affect the project, if we are looking for a more natural solution? Are we going to work closely to sand and gravel to establish where aggregate mining is suitable or not?

Is a 404 permit required for excavating? An individual permit is not required as long as there is no discharge into waters of the U.S.

Stakeholders expressed fear of seeing what happened with the Salt River and Agua Fria River happen to the Hassayampa River as well, in regards to sand and gravel mining.

Has the Corps determined the jurisdictional delineation limits for the River ?

Gladden Farms wants channelization option to reduce size of floodplain. Johnson Ranch has the intention of eliminating overflow, but the bridge may need to be modified.

When can study info be available? HEC RAS and HEC 1 already available, HEC 6 pending.

LOWER HASSAYAMPA RIVER WATERCOURSE MASTER PLAN



Should stakeholders continue work on preliminary alternatives and bridge designs...they want to meet District requirements and narrow channel. Essentially, how do private alternative plans interfere/affect District plans?

Timeline for Phase 2 was requested by stakeholders. They want it to occur and encouraged the District to move on it.

Does the District want stakeholders to remain in contact with elected officials? That is their decision.

LOWER HASSAYAMPA RIVER WATERCOURSE MASTER PLAN



AGENCIES & UTILITIES STAKEHOLDER MEETING AGENDA

LOCATION: *Flood Control District of Maricopa County
2801 West Durango Street
Phoenix, AZ*

DATE: *Thursday, October 27th, 2005*

TIME: *8:30 – 10:00 am*

I. 8:30 - Introductions and Meeting Overview

- Meeting Purpose
- Receive Input on the WCMP results

II.8: 50 - Project Summary of Findings

- Hydrology
- Floodplain Delineations
- Erosion Hazard Zones
- Sediment Transport
- Groundwater Recharge
- Preliminary Alternatives/Phase II Scoping

III.9:20 - Stakeholder Involvement

- Stakeholder Individual Comments

IV.9: 50 – Summary/Next Steps

V.10:00 - Adjourn

LOWER HASSAYAMPA RIVER WATERCOURSE MASTER PLAN



AGENCIES & UTILITIES STAKEHOLDER MEETING SUMMARY

Questions raised:

What is the typical width of the floodway being discussed in this project?

If the project is to continue, what sort of time frame can be expected?

What effect will the lack of retention basins along the Sun Valley Parkway have, and will there be increased discharge?

How big is the CAP siphon under the Jack Rabbit Wash? Will it shrink the River upstream?

If trees in the areas are removed would sediment transfer increase or decrease?

Would more sediment settle at the Gila River confluence than what is natural? Will this study have sediment impacts on the south side of the Gila River?

Is the Gillespie Dam going to be rebuilt?

Jackie Meck expressed concern over losing his canal and having to siphon off the River. Also, that he wholeheartedly supports a Phase 2 if the County can fund it. Jackie said that if Estrella/Reams cooling pipeline broke it would have enormous impacts on several entities (fiber optics and other pipelines, etc.).

Are our plans for this study compatible with Johnson Ranch?

How far downstream in the Hassayampa does sediment move? With the El Rio project will sediment transfer still exist from SR 85 to the Gillespie Dam? If we stop this sediment transfer won't it all just spread out?

Is Phase 2 to be strictly County funded?

What exactly does "Hassayampa Valley" refer to (what area)?

What is the role of Hassayampa sub-basins in this study?

There was concern expressed about losing the canal south of Lower River Road, and questions about whether the riverbed elevation is changing that much. Also, if the brush stops will the water back up?

LOWER HASSAYAMPA RIVER WATERCOURSE MASTER PLAN



APS is concerned about where their pipeline may be affected and whether future plans will change the width of the River and/or affect the pump station.

APS asked the static water level in the Hassayampa.

Carroll Reynolds inquired what effect this project will have on the Palo Verde pipeline.

Chuck noted that a Phase 2 will need to put emphasis on utility infrastructure

It was mentioned by attendees that since so many stakeholders are already paying into the District on some level, for various ventures, that this project be District funded.

It was suggested that we provide analysis of retention/detention from Phase 1 to developers who are currently moving forward (SVADMP data can help with this).

Questions were asked about where alluvial fans feed into Buckeye FRS1, and whether more of a retention basin will be created for that structure, and will we rehab, re-commission or rebuild it?

Are subsidences or fissures a concern in this study area?

Are there preliminary alternative cost estimates available for impact fees?

In terms of encroachment into the Hassayampa River Buckeye wants to control part of it for a linear recharge and aesthetic reasons.

Multiple jurisdictions make this a difficult venture to control. If a separate district was formed to manage this area how would it function?

APPENDICES

STAKEHOLDER INVOLVEMENT MEETING DOCUMENTATION

Arizona Rock Products Association

Memorandum

JE Fuller/ Hydrology & Geomorphology, Inc.

DATE: September 9, 2004

TO: John Hathaway, PE/FCDMC

FROM: Jon Fuller, PE

RE: Lower Hassayampa River Watercourse Master Plan – Phase 1
Rock Products Stakeholder Coordination Meeting #1
Minutes: September 9, 2004

cc: Jan Farmer/ARPA
Jay Hicks/EDAW
Chuck Williams/CLW

The first of four scoped stakeholder coordination meetings with sand and gravel operators was held at the Flood Control District of Maricopa County (District) at 10:00 am on September 9, 2004. This memorandum summarizes the issues presented and discussed.

Attendance: The meeting sign-in sheet is attached.

District Attendees:

John Hathaway – District Project Manager
Greg Jones – District Regional Planning Manager
David Boggs – District Sand & Gravel Permitting Branch Manager
Tom Wergen – District Sand & Gravel Permitting
Jon Fuller – Consultant Project Manager
Jay Hicks – Consultant Planner

Stakeholders & Constituents:

Rusty Bowers – ARPA, Executive Director
Steve Trussell – ARPA, Community Relations Director
Jan Farmer – ARPA – support staff
Bill Peck – Rinker, West Division
Tim Malcolm – Pioneer Landscaping Materials, Inc
Jon Ahern – Kimley-Horn & Associates

Discussion Items:

1. The study limits include the Hassayampa River corridor from the Gila River confluence to the Central Arizona Project (CAP) canal crossing, and Jackrabbit Wash from the Hassayampa River confluence to the CAP canal crossing.
2. The objective of Phase 1 of the LHWCMF is characterize existing conditions, identify planning needs and constraints, and predict and understand river behavior. Specific tasks include new hydraulic modelling of the Hassayampa River using new topographic mapping, new floodplain delineation of Jackrabbit

Wash, sediment transport modelling of the Hassayampa River, and lateral erosion hazard zone delineation for both rivers. Optional tasks include two-dimensional modelling of the levee reach of the Hassayampa River near the Gila River confluence, and submittal of revised hydraulic modelling of the Hassayampa River to FEMA as LOMR.

3. The LHWCM Phase 1 does not include developing a river management plan or plan alternatives, but will include determining whether such a plan is needed.

4. Question/Answer Period.

a. District: What are the concerns from the producers?

Response: 1) Limits on mining operation, i.e., new regulations
2) Loss of product resources (limit mineable land area)
3) It was suggested that the District consider alternatives that enhance river channel stability through the activities from aggregate mining (a Phase 2 activity).

b. District: Has the industry considered mining sources outside river corridor?

Response: Material in uplands has too much clay and/or caliche.

c. District: Are you saying you would like to see Phase 2 implemented?

Response: If and when FCD initiates Hassayampa Phase 2, WCMP, ARPA requests representation and participation in the strategic planning efforts in developing alternatives and conceptual designs for Hassayampa WCMP.

d. Stakeholder: What does the District need from ARPA?

Response: 1) Access to property, possibly for soil pits
2) Sediment sieve analysis results
3) Future mining locations in development master plans

e. Stakeholder: What are FCD structural goals?

Response: There are no alternatives, structural or otherwise, included as part of Phase 1 of the LHWCM. The study scope is to collect data and offer recommendations. The focus is to understand the existing (baseline) conditions of the river.

f. Stakeholder: Is a (Agua Fria River type) channelization plan feasible?

Response: That would be a Phase 2 planning activity. Progress in formulating alternatives will likely be driven by development timing and that for the near future, sand & gravel mining and concerns of the agricultural community may be the drivers rather than the proposed planned communities.

Action Items:

9. Rusty Bowers will discuss with Stakeholders provisions for FCD consultant (JE Fuller) to access operational sites for the assessment of riverine hazards within FCD SOW.
10. Sampling sediment grain size can be acquired from producers – no digging or trenching is required.
11. Next meeting set for December 2004. The meeting will be held at ARPA as part of a regular ARPA member meeting, and will consist of a brief project update and question/answer period. Jon Fuller and Jan Farmer will coordinate on meeting specifics. Stakeholders and constituents will be notified.
12. If Stakeholders have questions or concerns they can contact Jon Fuller or John Hathaway.

JE Fuller/ Hydrology & Geomorphology, Inc.

Jon Fuller, PE, RG, PH, MS, CFM	Mike Kellogg, M.S., G.I.T.	8400 S. Kyrene Rd., Suite 201
Brian Iserman, P.E.	Cory Helton, M.S.	Tempe, Arizona 85284
John Wallace, P.E.	Rob Lyons, E.I.T.	1-877-752-2124 (toll free)
Ted Lehman, P.E.	Brooks Dillard, E.I.T.	480-752-2124 (voice)
W. Scott Ogden, P.E.	Nick Headley, A.A.S.	480-839-2193 (fax)
Jeffrey A. Despain, P.E.	Annette Griffin, A.A.S.	www.jefuller.com
Pat Deschamps, P.E., L.S.		

The Flood Control District of Maricopa County (District) is preparing a Watercourse Master Plan for the Lower Hassayampa River. The study reach extends from the Central Arizona Project crossing to the Gila River confluence. The study is intended to provide an in-depth understanding of the river and its floodplain, areas threatened by potential meandering of the watercourse, and existing and proposed land uses and features. The project is currently in the data collection phase.

The District recognizes the importance of coordination with stakeholders in the study area. Sand and gravel miners are one of the key stakeholder groups. Therefore, on behalf of the District, you have been invited to the second of four coordination meetings to be held over the twelve month project duration.

Please call Jon Fuller or the District's project manager, John Hathaway (602-506-1501) if you have any questions regarding the meeting.

AGENDA

1. Overview of Watercourse Master Plan Objectives
2. Review of Watercourse Master Plan Scope
3. Project Status Report
 - a. Data Collection
 - b. Stakeholder Coordination
 - c. Hydrology
 - d. Floodplain Delineation
 - e. Erosion Hazard Delineation
 - f. Sediment Transport Modelling
4. Team Needs
 - a. December 2004-January 2005 Floods
 - b. Pit access – inspect channel and floodplain subsurface
 - c. Soil pits
 - i. Algene Ventures
 - ii. David Sawyer
 - iii. Richard Sparks – still owner?
5. Question/Answer Period
6. Action Items

DATE: January 20, 2005
TO: John Hathaway, PE/FCDMC
FROM: Jon Fuller, PE
RE: Lower Hassayampa River Watercourse Master Plan – Phase 1
Rock Products Stakeholder Coordination Meeting #2
Minutes: January 20, 2005
cc: Jan Farmer/ARPA
Jay Hicks/EDAW
Chuck Williams/CLW

The second of four scoped stakeholder coordination meetings with sand and gravel operators was held at the Arizona Rock Products Association Offices at 7:30 am on January 20, 2005. This memorandum summarizes the issues presented and discussed.

Attendance: The meeting sign-in sheet is attached.

District Attendees:

John Hathaway – District Project Manager
Jon Fuller – Consultant Project Manager
Jay Hicks – Consultant Planner

Stakeholders & Constituents:

Rusty Bowers – ARPA, Executive Director
Steve Trussell – ARPA, Community Relations Director
Jan Farmer – ARPA – support staff
Members of ARPA Environmental Committee

Discussion Items:

1. Jon Fuller presented a brief overview of the LHWCMF Phase objectives and scope and gave a status report on completed tasks (data collection, initial stakeholder coordination, and hydrologic modelling), as well as tasks yet to be completed (floodplain delineation, erosion hazard delineation, sediment transport modelling). The latter tasks have been delayed due to delays in obtaining topographic mapping from the District.
2. Question/Answer Period.
 - g. District: **Did the recent floods have any impacts?**
Response: Not really. Pits filled with water.
 - h. District: Our team would like access to the existing pits to support the geomorphic assessment and sediment transport study.

- Response: 1) The team should work with each operator individually.
- i. Stakeholder: Since your report will be part of the public record, will your presence in the pit lead to disclosure of confidential information? What will you be looking at?
- Response: Our report will be public record. We would like to observe subsurface soil conditions, such as material size, occurrence of carbonate, reddening, clay content, stratigraphy, and presence of a scour line. The information will be used to support and verify geomorphic mapping and sediment transport modelling. We will discuss our intent and objectives with the individual owners.
- j. Stakeholder: Who are the other stakeholders?
- Response: Public & regulatory agencies, utilities, farmers, and individual property owners.
- k. Stakeholder: What has been the reaction to delineation of erosion hazards, particularly outside the 100-year floodplain?
- Response: In general, affected landowners don't like hazards delineated on their property. However, there are significant long-term benefits to the general public when natural hazards are identified that are often better appreciated when natural disasters occur.
- l. Stakeholder: What can ARPA and its members do?
- Response: Be informed about the LHWCMF. Be thinking of management alternatives you would like addressed in Phase 2 if that phase is authorized by the District. Ask questions about the process and/or results.
- m. Stakeholder: What management alternatives could be considered?
- Response: A range could be considered (in Phase 2, not currently authorized), that might include preserving the status quo, implementing an Agua Fria channelization plan, or developing a river-specific mining plan.
- n. Stakeholder: Watercourse master plans are technical and are not land use plans.
- Response: Watercourse master plans are flood control plans based on technical information. Some elements may affect land use.
- o. Stakeholder: Will the technical components be peer-reviewed?
- Response: Yes, within the project team, plus District review. We're open to any additional review by ARPA so desired.

Action Items:

1. The next meeting with ARPA will be scheduled after completion of the floodplain delineation and sediment transport modelling. The study team is waiting for topographic mapping to determine the date when modelling will be completed.

JE Fuller/ Hydrology & Geomorphology, Inc.

Jon Fuller, PE, RG, PH, MS, CFM
Brian Iserman, P.E.
John Wallace, P.E.
Ted Lehman, P.E.
W. Scott Ogden, P.E.
Jeffrey A. Despain, P.E.
Pat Deschamps, P.E., L.S.

Mike Kellogg, M.S., G.I.T.
Cory Helton, M.S.
Rob Lyons, E.I.T.
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Lower Hassayampa Watercourse Master Plan

Flood Control District of Maricopa County

Arizona Rock Products Association - Stakeholder Coordination Meeting #3

September 15, 2005

The Flood Control District of Maricopa County (District) is preparing a Watercourse Master Plan for the Lower Hassayampa River. The study reach extends from the Central Arizona Project crossing to the Gila River confluence. The study is intended to provide an in-depth understanding of the river and its floodplain, areas threatened by potential meandering of the watercourse, and existing and proposed land uses and features. Currently the project team is completing the technical analyses and is preparing to outline potential river management alternatives for consideration if the District proceeds with Phase 2 of the Plan.

The District recognizes the importance of coordination with stakeholders in the study area. Sand and gravel material suppliers are one of the key stakeholder groups. Therefore, on behalf of the District, you have been invited to the third of four coordination meetings to be held over the twelve month project duration. Please call Jon Fuller (480-222-5710) or the District's project manager, John Hathaway (602-506-1501) if you have any questions regarding the meeting.

AGENDA

1. Overview of Watercourse Master Plan Objectives
2. Review of Watercourse Master Plan Scope
3. Project Status Report
 - a. Hydrology
 - b. Floodplain Delineation
 - c. Erosion Hazard Delineation
 - d. Sediment Transport Modelling
 - e. Sand & Gravel Mining Impacts Analysis
 - f. Alternative Formulation

4. Opportunities for Stakeholders

g. Recommendation to Proceed with Phase 2?

h. Elements for Consideration in Phase 2?

i. ARPA Preferred Alternatives?

5. Question/Answer Period

Memorandum

JE Fuller/ Hydrology & Geomorphology, Inc.

DATE: September 19, 2005
TO: John Hathaway, PE/FCDMC
FROM: Jon Fuller, PE
RE: Lower Hassayampa River Watercourse Master Plan – Phase 1
Rock Products Stakeholder Coordination Meeting #3
Minutes: September 15, 2005
cc: Jan Farmer/ARPA
Jay Hicks/EDAW
Chuck Williams/CLW

The third of four scoped stakeholder coordination meetings with sand and gravel operators was held at the Arizona Rock Products Association Offices at 7:30 am on September 15, 2005. This memorandum summarizes the issues presented and discussed.

Attendance: Meeting attendance was noted by ARPA.

District Attendees:

John Hathaway – District Project Manager
Jon Fuller – Consultant Project Manager
Jay Hicks – Consultant Planner

Stakeholders & Constituents:

Steve Trussell – ARPA, Community Relations Director
Jan Farmer – ARPA – support staff
Members of ARPA Environmental Committee

Discussion Items:

1. Jon Fuller presented a brief overview of the LHWCMF Phase objectives and scope and gave a status report on completed tasks. The Phase 1 technical analyses are completed or nearly so. Draft reports will be generated by mid-October. The team will begin the alternative brainstorming process on September 21st. Alternative evaluation will occur during Phase 2, which has not yet been scoped or contracted.
2. Discussion Items
 - p. ARPA members requested to be included in the alternative brainstorming meeting. John Hathaway stated that the meeting is for project staff only. Given the preliminary level of planning that will occur at the brainstorming meeting, participation by stakeholders is not warranted. ARPA will be briefed about the outcome of the brainstorming at their October or November Environmental Committee meeting, and have an opportunity to comment at that time. At that meeting, the team will present maps and documentation of the study results to date. Formal participation by stakeholders in alternative

evaluation will occur during Phase 2. John further offered to hold additional meetings with ARPA to keep them informed and involved in the planning process.

- q. Jon Fuller asked if there were specific alternatives that ARPA would like considered at the brainstorming meeting. No specific alternatives were suggested, but ARPA stressed the following:
 - i. Aggregate resources are an important element in future growth of the LHCMP study area. Allowance for future mining should be provided by the plan.
 - ii. ARPA would like to be involved as early as possible in the planning process.
 - iii. ARPA would like to be better informed about the results of the technical analyses completed as part of Phase 1. A briefing showing location, characteristics, etc. should be part of the next ARPA stakeholder presentation.
 - iv. An Agua Fria River channelization plan might not be appropriate for the Lower Hassayampa River.
- r. Several questions were raised about the results of the sand and gravel mining impacts analyses. Jon Fuller invited ARPA members to have their engineers contact him directly.
- s. John Hathaway requested that ARPA prepare a rough estimate of the potential total demand for aggregate vs. time for the study area.
- t. John Hathaway noted that Maricopa County is initiating an internal multi-agency planning effort for the far west valley.

Action Items:

- 1. ARPA will schedule the next stakeholder coordination meeting for November.

APPENDICES

STAKEHOLDER INVOLVEMENT MEETING DOCUMENTATION

Stakeholder Database

Lower Hassayampa Watercourse Master Plan
Stakeholder Database Information

First Name	Last Name	Company/Agency	Title	Business Address	City	State	Postal Code	Business Fax	Business Phone	E-mail Address	Concern 1	Concern 2
AGENCIES												
Michael	Sabatini	Maricopa County Department of Transportation	Planning Division Manager	2901 West Durango Street	Phoenix	AZ	85009-6357	602-506-4882	602-506-8628	MikeSabatini@mail.maricopa.gov	Agency Coordination	Road Impacts
Molly	Garrett	Maricopa County Parks Department	Park Supervisor	14805 W. Vineyard Ave.	Goodyear	AZ	85338	623-932-7718	623-932-3811	mollygarrett@mail.maricopa.gov	Agency Coordination	Trails
Mathew	Holm	Maricopa County Planning & Development Department	Principal Planner	411 North Central, 3rd Floor	Phoenix	AZ	85004-2191	602-506-8369	602-506-7162	matthewholm@mail.maricopa.gov	Agency Coordination	Plan Adoption
Carrol	Reynolds	Town of Buckeye	Town Manager	100 N. Apache	Buckeye	AZ	85326	623-386-7832	623-386-4691	creynolds@buckeyeaz.org	Agency Coordination	Infrastructure
Dawn	Coomer	MAG	Planner	302 N. 1st Avenue #300	Phoenix	AZ	85003					
Gene	Dahlem	Bureau of Land Management	Manager	21605 North 7th Avenue	Phoenix	AZ	85027	632-580-5580	623-580-5525	gene_dahlem@blm.gov	Agency Coordination	Development Impacts
Maurice	Tatlow	ADWR	Water Resources	500 North Third Street	Phoenix	AZ	85004-3903	602-417-2445	602-417-2423	matatlow@ADWR.STATE.AZ.US	Agency Coordination	Recharge
Will	Doyle	Bureau of Reclamation	Civil Engineer/Planner Program Development	P.O. Box 81169	Phoenix	AZ	85069-1169	602-216-4007	602-216-3843	wadoyle@lc.usbr.gov	Agency Coordination	Water Resources
Randy	Randolph	Central Arizona Project	Civil Engineering Division Supervisor	23636 North Seventh Street	Phoenix	AZ	85024	623-869-2598	623-869-2260	rrandolph@cap-az.com	Agency Coordination	CAP Impacts
V. Ottozawa	Chatupron	Arizona State Land Department	Engineering Section	1616 West Adams	Phoenix	AZ	85007	602-364-0272	602-542-2683	ochatupr@ind.state.az.us	Agency Coordination	ASLD Land Impacts
Gary	Slusher	Arizona State Land Department	Engineering Section	1616 West Adams	Phoenix	AZ	85007	602-364-0272	602-542-2683	gslusher@land.az.gov	Agency Coordination	Sand & Gravel
Kristen	Graham-Chavez	NRCS	District Conservationist	3150 N. 35th Ave. Ste 7	Phoenix	AZ	85017	602-353-0378		kristen.grahamchavez@az.usda.gov	Agency Coordination	Agricultural Impacts
Jim	Neveu	West Maricopa Combine- Recharge	RC&D Coordinator	18256 E. Williams Field Rd #2	Higley	AZ	85236	480-988-1474	480-988-1078	Jim.neveu@az.usda.gov	Agency Coordination	Agricultural Impacts
Jeff	Beimer	ADOT	Drainage Engineer	205 S, 17th Avenue Room 281 Maildrop 634E	Phoenix	AZ	85007	602-712-8609	602-712-7197	jbeimer@dot.state.az.us	Agency Coordination	
Russ	Haughey	Az Game & Fish	Habitat Program Manager	7200 E. University	Mesa	AZ	85207	480-255-3941	480-981-9400 x222	Rhaughey@qf.state.az.us	Agency Coordination	Habitat Impacts
Bryon	Lake	Corps of Engineers		3636 N. Central Suite Suite 74	Phoenix	AZ	85012		602-640-2015 x246	bryon.l.lake@spl.01.usace.army.mil	Agency Coordination	
UTILITIES												
Stan	Ashby	Roosevelt Irrigation District	Manager	103 West Baseline Road	goodyear	Az	85338	623-386-4360	623-386-2046	stanashby@aol.com		
Jim	Smith	Union Pacific	Manager	10031 Foothills Blvd.	Roseville	CA	95747	(916) 789-6333	(916) 789-6352	JHSMITH2@up.com		
Daniel	Tarango	Kinder Morgan	Manager	49 North 53rd Ave	Phoenix	AZ	85943	602-278-2320		taranqod@kindermorgan.com		
Randy	Butler	Palo Verde Nuclear Generating Station	Technical Support Leader	PO Box 52034 MS 6215	Phoenix	AZ	85072-2034	623-393-3003		rbutler@apsc.com		
Warren	Gable	Arlington Irrigation District	Manager	PO Box 298	Arlington	AZ	85322	623-386-2162	623-386-2138	ssschulz@gts-internet.net		
Michael	Bouche	AZ Public Services	Manager	PO Box 5399	Phoenix	AZ	85072-3999		602-371-7033	michael.bouche@aps.com		
John	Mihlik	West Maricopa Combine		3800 N. Central Avenue #770	Phoenix	AZ	85012					

Lower Hassayampa Watercourse Master Plan
Stakeholder Database Information
7-23-04

First Name	Last Name	Company/Agency	Title	Business Address	City	State	Postal Code	Business Fax	Business Phone	E-mail Address	Concern 1	Concern 2
Tom	Johnson								602-549-7003			
Ryan	Weed	CVL							602-264-6831	rweed@cvlci.com		
Brian	Rosenbaum	Lennar							480-345-0077	Brian.rosenbaum@lennar.com		
Steve	Pritulsky	Westpac							480-889-6924	spritulsky@wetpacdev.com		
Teri	George								602-506-5537	tsm@deainc.com		
Stephen	Earl	ECL							602-265-0094	searl@ecllaw.com		
		Sonoran West										
POLITICAL CONTACTS												
Max	Wilson	Maricopa County Board of Supervisors, District 4	Supervisor	301 West Jefferson Street, 10th Floor	Phoenix	AZ	85003	602-506-4989	602-506-7642	mwwilson@mail.maricopa.gov	Property Rights	Funding
Robert	Jones	Maricopa County Planning & Zoning Commission Dist. 4	Commissioner	22725 N. Dusty Tr. Blvd.	Sun City West	AZ	85375	623-214-0761	623-214-0761	jobobaz@aol.com	Property Rights	Rules of Development
Scott	Isham	Maricopa County Board of Supervisors, District 4	Assistant to Supervisor Max Wilson	301 West Jefferson Street, 10th Floor	Phoenix	AZ	85003	602-506-4989	602-506-7642	sisham@mail.maricopa.gov	Property Rights	Funding
OTHER INTERESTED STAKEHOLDERS												
Jeanette	Fish	Maricopa County Farm Bureau	Director	4001 E. Broadway #B-9	Phoenix	AZ	85040	602-437-1380	602-437-1330	mcfb@msn.com		

APPENDICES

PUBLIC INVOLVEMENT MEETING DOCUMENTATION

Public Involvement Plan



Lower Hassayampa
Watercourse Master Plan

Public Involvement Plan

August 2004

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Introduction

This Public Involvement Plan has been developed for the Lower Hassayampa Watercourse Master Plan (WCMP). Specific milestones of the public involvement process for the project have been integrated into this Plan. The intent of this plan is to ensure opportunities for public access to project information and identify opportunities for public comments and suggestions that can be used by staff in the planning and decision-making processes.

The Public Involvement Plan addresses: (1) key project messages and audiences; (2) the number and types of public meetings and outreaches; (3) the use and frequency of communication devices such as flyers, brochures and news releases; and (4) the methods of gaining public input about the aspects of the study.

Purpose of the Study

The Flood Control District of Maricopa County (District) is proposing a Watercourse Master Plan (WCMP) to identify and develop a plan and technical guidance for managing flood hazards, lateral migration of the watercourse and the cumulative impacts of existing and future development. The WCMP will be a joint effort between the District and Town of Buckeye. A number of other key stakeholders will be directly involved in the plan as well.

It is important that the overall project be well coordinated with ample opportunities for public participation, media relations, and the development of a plan that meets the needs of property owners and public agencies within and adjacent to the watercourse.

Project Overview

Currently, master planned communities being developed within the lower Hassayampa River valley and along the lower Hassayampa River have proposed encroachments into the watercourse. The Flood Control District of Maricopa County (District) has also received several new applications to mine aggregate from the floodplain and floodway of the lower reach of the Hassayampa River. These mining applications under consideration may join several mines that are already operational. In an effort to provide sound and uniform technical information, guidance and criteria for development, the District plans to initiate the Lower Hassayampa River WCMP.

Community Profile

- Buckeye is a largely agricultural community located 30 minutes west of Phoenix. Located at the confluence of the Gila and Hassayampa Rivers, Buckeye prides itself on a quality lifestyle and family oriented environment. Throughout three generations, the citizens of Buckeye have endured both floods and drought, yet have managed to transform the desert into a green and productive valley.
- The Buckeye area is among the world's largest producers of Pima cotton. Buckeye gins produce cotton for shipment worldwide. A renewable supply of water is supplied by the Roosevelt and Buckeye irrigation canals, thereby contributing to the area's continued agricultural prosperity.
- In addition to its agricultural base, leading employers in Buckeye include: Wal-Mart (bulk storage and packaging); Schult Homes (manufactured housing); and the Palo Verde Nuclear Generating Station (the largest nuclear energy generating facility in the United States).
- The town also is located in the Maricopa County Westside Enterprise Zone, offering tax credits (up to \$5,000 per employee) and other incentives for companies locating or expanding into the zone.
- The City of Buckeye has almost doubled in population since 1980. The U.S. Bureau of the Census lists the population of the City of Buckeye at 6,537 as of March 2001. Total population numbers around 12,000.

- Buckeye is served by Interstate 10 and the Southern Pacific Railroad, giving it excellent access to prime transportation corridors. Air transit is accomplished through the neighboring Phoenix-Goodyear Municipal Airport, as well as Phoenix's Sky Harbor International Airport, which is located approximately 15-20 minutes away.
- Buckeye has four elementary schools and two high schools.
- The City of Buckeye is served by the following utilities:
 - Arizona Public Service
 - Qwest Communications Inc.
 - Cox Communications
 - Southwest Gas Corp.
- Buckeye facilities include a community center, two libraries, one museum, a 550-seat auditorium, several parks, tennis courts, and a rodeo area.
- **Buckeye Town council meets on the first and third Tuesday of each month at 7 p.m.**
- The 1995 census depicts Buckeye as a poor, rural community of the same economic caliber of Guadalupe and Gila Bend, with the wealthier folks in the county islands outside the town. About one-third Hispanic, but the town provides most of its written materials in English only.
- The future land use for much of the project area is anticipated to be developed into large lot residential property and master planned communities. Current estimates predict that within 40 years, population totals will near 500,000.
- Big growth means high demand for resources without the cash to pay for them. Streets, sewer and water get first dibs.

History of Area Public Involvement

- The Flood Control District is currently conducting the El Rio Watercourse Master Plan which covers areas of Avondale, Buckeye and Goodyear. Turnout at public meetings has been average.
- The White Tanks ADMP also covers portions of Buckeye and has been ongoing since 1995.

- Small, informal meetings
- PowerPoint should be used for presentations at public meetings.
- Work one-on-one with large land holders, developers, stakeholders
- The project is scoped for two public meetings, one informational flier prior to each public meeting, and two additional newsletters to provide additional updates. In addition, display ads will be placed prior to each public meeting.
- Securing adequate local and regional media coverage through press releases.
- Preparing fact sheets for stakeholders

Newsletters

- Four newsletters will be prepared throughout the course of the WCMP. Tentative quarterly mailing dates include:
 - 9/1/04
 - 11/29/04
 - 2/28/05
 - 6/13/05
- The first and last newsletter will also serve as public meeting notices.
- Newsletter #1 will be an introduction to the project: Purpose of study, project area, What is a WCMP?, Data collection information, How to stay involved, etc.
- Newsletter #2 will address any concerns brought up at public meeting #1 and will discuss delineations in more detail.
- Newsletter #3 will be a project update. May begin to discuss alternative development plans.
- Newsletter #4 will report on results of study and next steps.
- Newsletters will be four-color; size may vary.

Website

The District will maintain a project page for the Lower Hassayampa WCMP on their Web site under Active Projects. The Web page will include a project description and contact information. Relevant materials such as project area maps and project newsletters will be available for downloading. In addition, interested parties may submit questions regarding the project directly to the site.

Public Meeting vs. Open House

Public Meeting: Presentation format and public question and answer session

Best Uses:

- The Buckeye/Sun Valley Area Drainage Master Study began in June 2003 and is scheduled to be completed in Summer 2005. Turnout at the first public meeting was good.
- White Tanks Flood Retarding Structure #3 – Dam Safety program
- White Tanks North Inlet Channel – currently in the design stage.

Key Public and Stakeholder Issues

- Floodplain delineations
- Understanding the process and timeline of the project
- Working ahead of development
- Public safety
- Sand & gravel operation

Study Issues

- Large project area
- Delineations could be controversial
- Keep Supervisors very involved
- Coordinate with Sand & Gravel operations

Public Involvement Activities

Methods on how to keep the public informed about, and involved in the project will include the following:

- Identifying key stakeholders.
- Assessing the level of public interest through interviews with community leaders and other interested members of the community.
- Holding public meetings/open houses at key intervals during the project to keep the community informed.
- Notification of floodplain delineations – via newsletters and legal ads
- Providing further updates and public meeting announcements via newsletters/brochures at appropriate intervals. (Quarterly)

1. Controversial project
2. Lots of public interest
3. Project introduction
4. Public has primarily general project questions

Open House: Ordered exhibit boards with floating experts

Best Uses:

1. Little project interest
2. Small attendance
3. Public have specific questions

Proposed Topic/Format of Each Public Meeting

Public Meeting #1 – Because this is the first meeting, it is important that a presentation be given followed by a question and answer period. A PowerPoint presentation should be prepared as well as exhibit boards. A Spanish interpreter should be available.

Topics: Introduction of the WCMP process. Define the need, necessity and benefits of the project. Delineation introduction. Educate the public on any historical floods in the area. Preliminary data collection results. (Scheduled for Sept. 21, 2004)

Public Meeting #2 - Preliminary floodplain delineation results will be presented for comment. Information on potential alternatives will be presented. This meeting may require a presentation. If necessary, we have access to portable computers which can be loaded with preliminary delineation maps.

(Tentatively scheduled for May 2005)

Public Meeting #3 - At this time, a 3rd public meeting is an option.

Project Schedule and Timeline

For major project milestones leading up to the first public meeting on Sept. 21, 2004, please view the attached critical path calendar.

Additional dates to remember include:

Newsletter #2 – November 29, 2004

Newsletter #3 – February 28, 2005

Newsletter #4 – May/June, 2005 (will be sent in coordination with public meeting #2)

The scope of work also calls for the following stakeholder activities:

- Four (4) quarterly meetings with sand and gravel interests.
- Two (2) additional meetings with other stakeholders.

Key Stakeholders

Note – This list does not include large landowners or private developments.

Maricopa County Department of Transportation – Mike Sabatini

Maricopa County Parks Department – Molly Garrett

Maricopa County Planning and Development – Matt Holm

Town of Buckeye – Carroll Reynolds

Bureau of Land Management – Gene Dahlem

Arizona Department of Water Resources – Bill Jenkins

Bureau of Reclamation – Will Doyle

Central Arizona Project – Randy Randolph

Arizona State Land Department – V. Ottozawa Chatupron

Maricopa County Board of Supervisors, District 4 – Max Wilson

Maricopa County Board of Supervisors, District 4 – Scott Isham

Maricopa County Planning and Zoning Commission, District 4 – Robert Jones

Maricopa County Farm Bureau – Jeanette Fish
Roosevelt Irrigation District – Stan Ashby
Hohokam RC&D, NRCS – Jim Neveu
Arizona Department of Transportation – Jeff Beimer
Arizona Rock Products Association – Rusty Bower
Union Pacific – Bob Prince
Kinder Morgan – Daniel Tarango
Palo Verde Nuclear Generating Station – Randy Butler
Arlington Irrigation District
Arizona Public Services – Michael Dewitt

Possible Meeting Locations

Buckeye:

Buckeye Valley Chamber of Commerce; 508 W. Monroe Ave.;
623-386-2727; Capacity – 90; 10\$/hour

Buckeye Community Center/Town Hall; 623-386-4691; Capacity
– up to 280; \$10-18/hour plus \$20 deposit (they didn't charge us for
our last mtg. there)

Buckeye Elementary School; 210 S. 6th St.

Area Media

- **Arizona Republic NW** – includes Southwest Valley community section
 - General phone: 602-444-6935
 - Display ads: account rep. Frank Mayo – 602-444-8430
 - Fax: 623-412-9577
 - Published Wednesday, Friday and Saturday

- News deadline is one week prior to publication date
- West Valley government and growth reporters: Marty Sauercof (602-444-6926) and Shaun McKinnon (602-444-6921)
- Covers Avondale pretty heavily but doesn't do too much on Buckeye or Goodyear

- **West Valley View**

- Phone: 623-535-8439
- Fax: 623-935-2103
- Circulation: 37,000
- Editor: John Conway
- Reporters: Cary Hines and Jeff Billington
- Published weekly on Wednesdays
- Deadline is one week prior to publication
- Not a favorite of town officials in Buckeye

- **Desert Sun**

- Phone: 623-386-7077
- Fax: 623-386-7019
- Circulation: 12,000
- Editor: Cynthia Howard
- Writers: Judy Siebens and Nancy Brandt
- Published weekly on Wednesdays
- Deadline is Friday prior
- Covers Buckeye the best

- **Buckeye Valley News**

- Phone: 623-386-4426
- Fax: 623-386-4427
- Circulation: 2,300

- Editor: Sharon Butler
- Published weekly on Tuesdays
- News deadline is noon on Fridays
- Very small paper

- **Buckeye Chamber Newsletter**

- **S.W. Valley Monthly Newsletter**

- **El Norte**

- Phone: 602-257-9321
- Fax: 602-257-9531
- News Deadline: Wednesdays at 10:00 p.m.
- Advertising Deadline: Wednesdays at noon
- Circulation: 10,000

- **Prensa Hispana**

- Phone: 602-256-2443
- Fax: 602-256-2644
- Published weekly on Wednesdays
- Circulation: 65,000
- News Deadline: 5 p.m. Fridays
- Advertising Deadlines: 4 p.m. Fridays
- Ad Rate: \$17.65/column inch

Projected Costs

Ads for public meetings:

AZ Republic: typical ad size 2 column x 5 1/2 inches – approx. \$500

West Valley View: 1/4 page ad is 4 7/8 x 7 15/16 - \$438 plus 2% tax

1/6 page ad is 4 7/8 x 5 1/4 - \$286 plus 2% tax

Buckeye Valley News: 1/4 page ad is 5 x 4 - \$96 plus tax

Desert Sun: 1/4 page is 5 x 8 - \$203

Mailing Cost:

Mailing list is 840 property owners plus approximately 50 key stakeholders = 890
\$.37 for a 3-panel folded brochure with a sticker closure = \$329.30 (890 x \$.37)
\$.29 if brochure is placed in envelope = \$258.10 (988 x \$.29) **However, the envelopes are approx. \$.10 each which is an additional \$89.00

Printing Costs:

All printing will be done in house. The only costs billed to the project PCN will be for man-hours. Paper costs are covered through Reprographics annual budget.

Display Boards:

There is no charge for printing and mounting of display boards if done by the District. Employees will bill there time to the project PCN.

Spanish Translation:

\$.22/word for press releases and brochures. Lorena, of the District staff, is also certified to do Spanish translation at no cost to us.

If Joe is not available for public meetings, there are a number of translators that the county has government contracts with. I have worked with Yolanda Serna of "Let's Talk Translation Services". She was great. Her fees are \$45 – 55/hour depending on the distance she has to travel. She is located in Buckeye!

Facilities:

See possible meeting facilities section on page 11 and their various costs

Refreshments for public meetings:

Covered through consultant contract.

Projected Budget Totals

Mailing (4)	\$1320 (approx.)
Facility Charges	\$0 - 200
Advertising	\$4000 (includes 2 public mtgs and legal ads)
<i>Spanish Translation</i>	<i>\$0 - ??</i>
Total:	\$5230 - 6230

Labor charges to Project Control Number:

Reprographics staff – Printing

Shon Wu - Mounting and Laminating

Melissa Lempke – Public Involvement

APPENDICES

PUBLIC INVOLVEMENT MEETING DOCUMENTATION

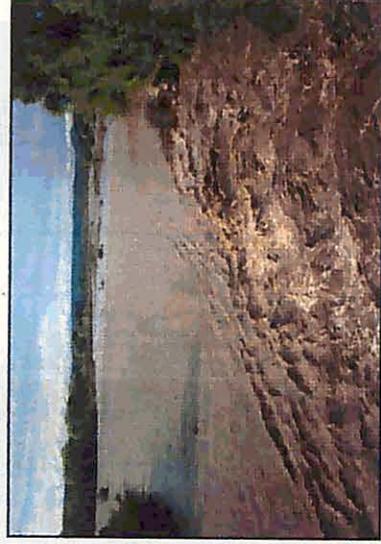
Newsletter #1



Upcoming Public Meeting
Information Inside

November 2005

Lower Hassayampa Watercourse Master Plan



Flood flows in the Hassayampa River
August 29, 2000

Maricopa County Board of Supervisor
Max Wilson - District 4

Flood Control District of Maricopa County
2801 West Durango Street
Phoenix, Arizona 85009
(602)506-1501

Lower Hassayampa Watercourse Master Plan

Introduction

Currently, master planned communities being developed within the Lower Hassayampa River Valley and along the Lower Hassayampa River have proposed encroachments into the watercourse. The Flood Control District of Maricopa County (District) has also received several new applications to mine aggregate from the floodplain and floodway of the lower reach of the Hassayampa River. These mining applications under consideration may join several mines that are already operational. In an effort to provide sound and uniform technical information, guidance and criteria for development, the District plans to initiate the Lower Hassayampa Watercourse Master Plan.



Project Overview

The Flood Control District of Maricopa County (District) is preparing a Watercourse Master Plan (WCMP) for the Lower Hassayampa River from approximately the Central Arizona Project Canal to the Gila River confluence near the Town of Buckeye. The current study is the first phase of a two-phase process. This first phase is intended to provide an in-depth understanding of the river and its floodplain, areas threatened by potential shifting of the watercourse, and existing and proposed land uses and features. The project team will determine how these items may conflict or co-exist.

Currently, this reach of the river is almost entirely undeveloped. Massive development efforts planned within the project area will quickly change this status. The purpose of this study is to understand the forces of nature that affect the river and surrounding land, so that choices made in the next few years are wise ones.

The current phase of the WCMP will be a joint effort between the District and Town of Buckeye. A number of other key stakeholders will be directly involved in the plan as well.

A second and future phase, if required, will develop a plan to ensure that future development does not cause adverse impacts.

What are the Result of Phase One?

- New floodplain delineations
- Preliminary alternative
- Recommendations for Phase II

What is a Watercourse Master Plan?

A watercourse master plan examines the overall effects of both existing and future development in a floodplain area. The plan also establishes technical criteria for use by future development in an effort to minimize potential flood damages.

www.fcd.maricopa.gov

Flood Control District of Maricopa County

Summary of Findings

Planning

The study area is experiencing very rapid growth that will include construction of new bridges and river crossings, residential and commercial development, and expansion of in-stream sand and gravel mining.

Hydrology

The District has determined that the current FEMA 100-year discharge rates will be used for the Hassayampa River for the watercourse master plan.

Floodplain Delineation

A new detailed floodplain delineation was completed for Jackrabbit Wash downstream of the CAP Canal. Revision of the effective FEMA floodplain delineation for the Hassayampa River will be considered in Phase 2 of the WCMP. New HEC-RAS hydraulic models were prepared.

Erosion Hazards

Riverine erosion is a significant hazard for both the Hassayampa River and Jackrabbit Wash. New erosion hazard zones were delineated for both streams.

Sediment Transport

New HEC-6 computer models describe the Hassayampa River's long-term scour or deposition trends and potential changes from human activities such as in-stream mining or encroachment.

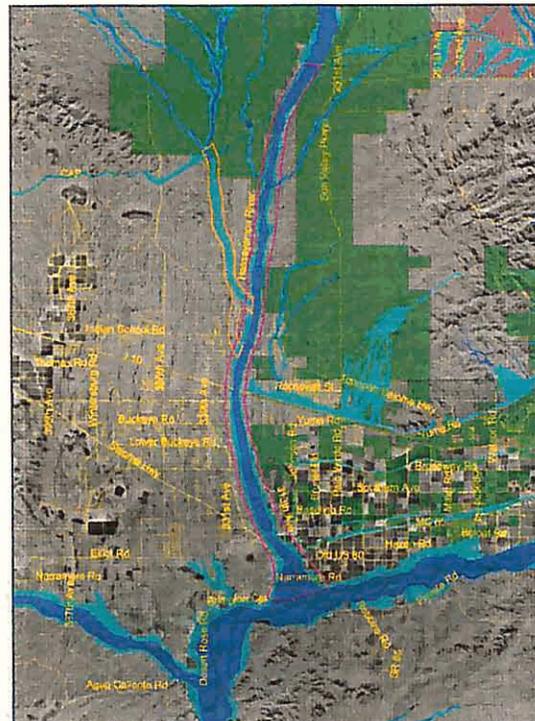
Groundwater Recharge

Opportunities for recharge of CAP and reclaimed water exist and will be incorporated in the master plan.

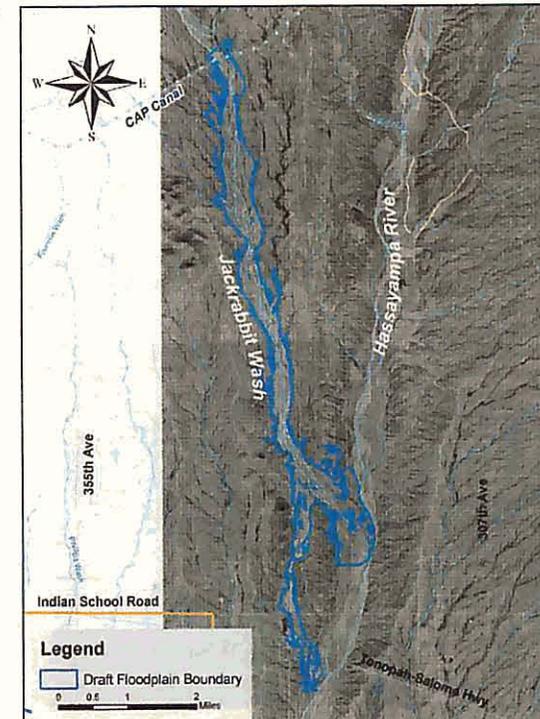
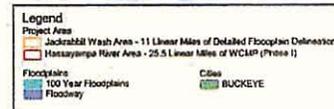
Study Schedule

The first phase of the WCMP will be completed by December 2005.

Study Area



map not to scale



Upcoming Public Meeting

Wednesday, November 9, 2005

Buckeye Chamber of Commerce
508 E. Monroe Avenue
Buckeye, AZ

The public meeting will take place
from 6:00-8:00 p.m. and will include a
short presentation at 6:30 p.m.

Project Web page

www.fcd.maricopa.gov

Click on 'In Your Neighborhood' and then 'Active Projects'.

Your Input

The study team is focused on gaining support and input from residents and property owners. Area residents have valuable knowledge that could influence the project's success.

We invite and encourage your support of this study. Please stay involved in the process by attending our public meetings, visiting our Web site, talking to the study team about questions or concerns, and sharing any flooding photos. We will be prepared at the public meeting to scan any flooding photos.

Each phase of the project will be coordinated to include multiple opportunities for public participation.



For more information contact:

John Hathaway
Project Manager
602-506-0503
joh@mail.maricopa.gov

Jessica White
Public Information Coordinator
602-506-7841
jw@mail.maricopa.gov

APPENDICES

PUBLIC INVOLVEMENT MEETING DOCUMENTATION

Newsletter #2