# ANSAC Public Hearing for Cochise County

Date: August 17, 2000

Time: 9:30 AM

Venue: Bisbee, Arizona

#### Stantec Consulting, Inc.

Phoenix, Arizona

In association with:

JEFuller Hydrology & Geomorphology, Inc.

Tempe, Arizona

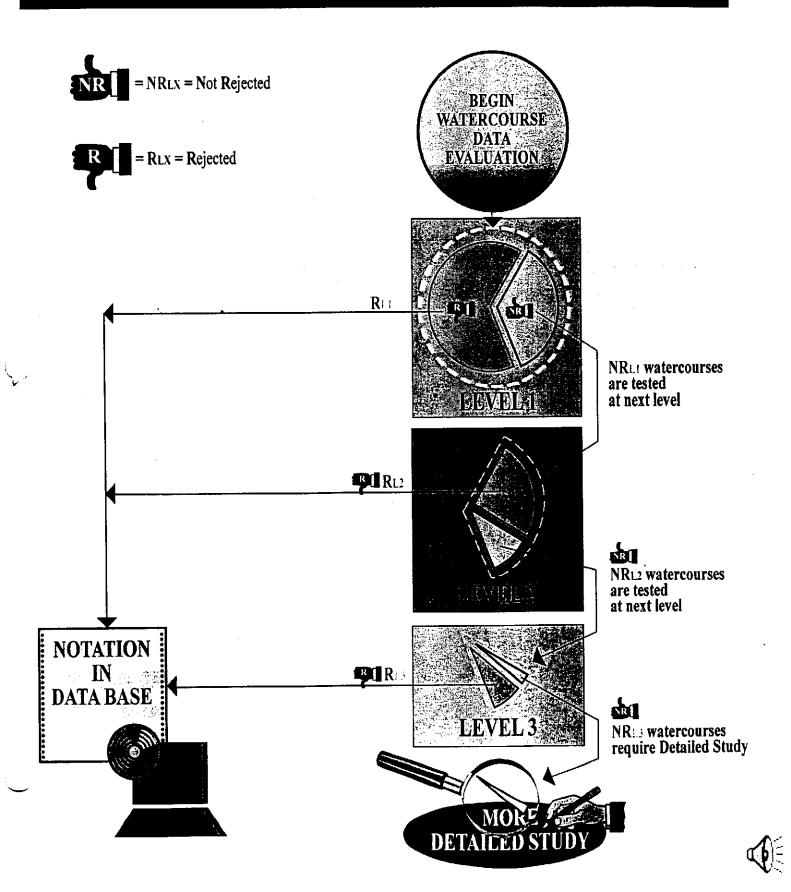






### Figure 2 THREE-LEVEL WATERCOURSE EVALUATION PROCEDURE

#### **Three-Level Watercourse Evaluation Procedure**





#### Level 1 Evaluation

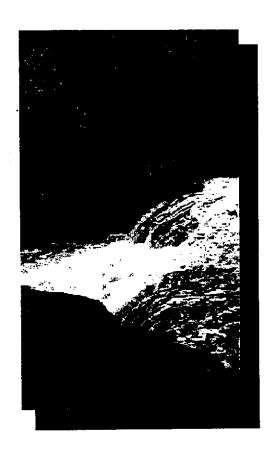
Coarse Sort
Eliminate Watercourses Most Likely to be
Non-Susceptible to Navigation

#### Mediganlage

Quantitative Screening Analysis Binary Database Queries

#### Jaca Respondencency

Smeam Type
Dam Information
Historical Boating
Modern Boating
Fish
Special Status



#### Amilication

Apply full test to all watercourses in the database catalog

#### Resulting Baiascis

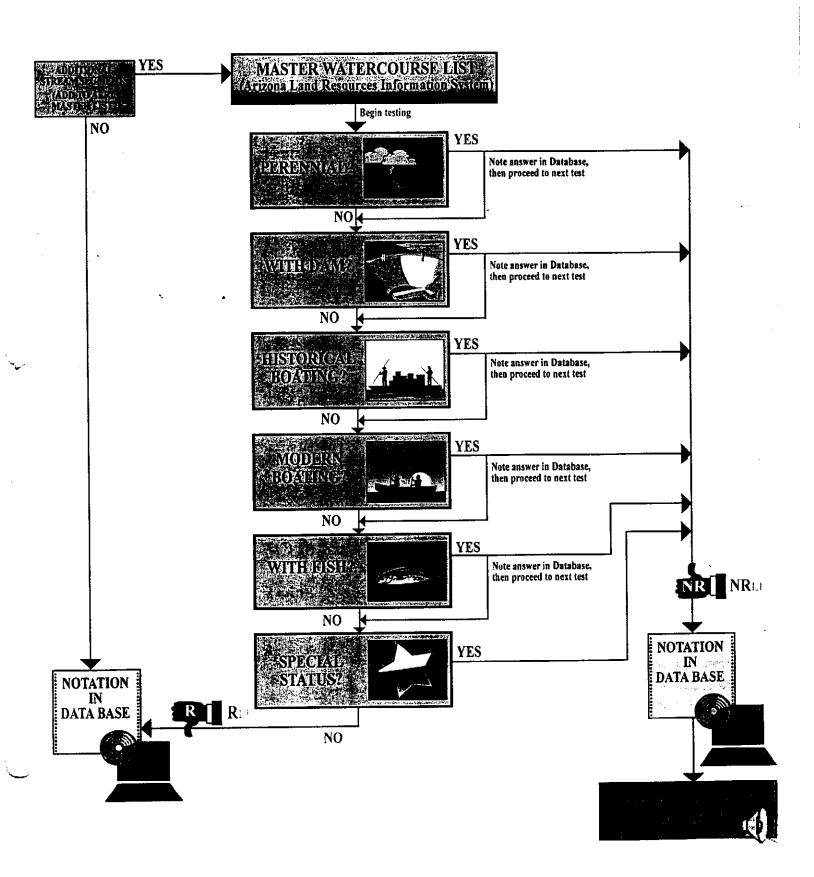
Watercourses which are most likely non-susceptible to navigation

NRL1: Watercourses which require qualitative evaluation

at Level 2



#### **Level 1 Screening Procedure**





### Level 2 Evaluation

#### GINE

Refined Sort

Eliminate Watercourses Unlikely to be Susceptible to Navigation

#### Mediculogy

Qualitative Approach
By Inspection
Quality Control Check

#### Daias Requirements

Esh Categories
Boating Account Verification
Special Status Specifics
Outlier Verification



#### Application

Apply to NRL1 watercourses in the database catalog

#### Resulting Dates sets

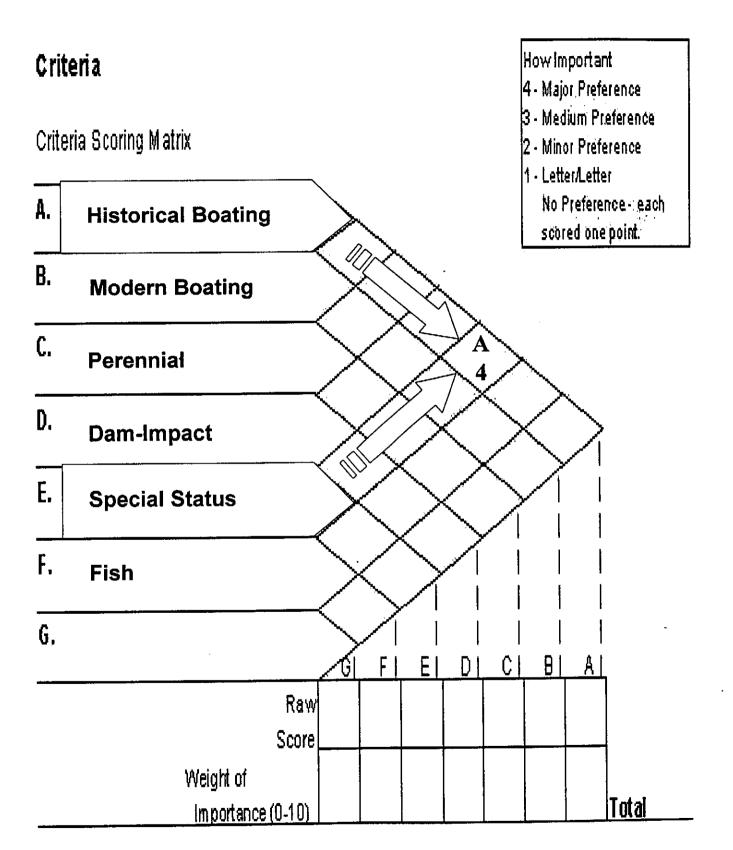
RL2: Watercourses which are unlikely to be

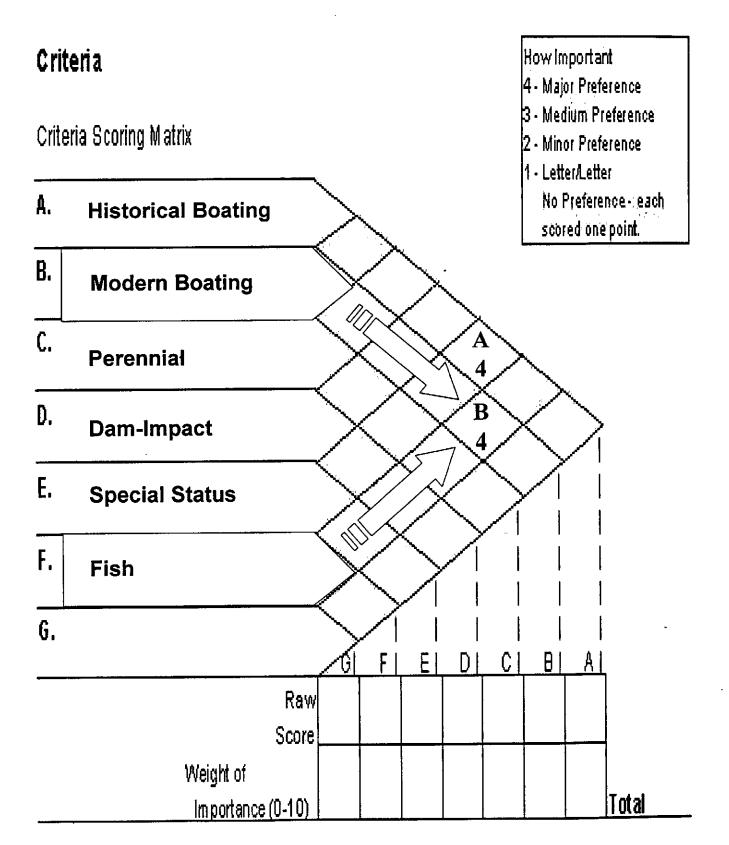
susceptible to navigation

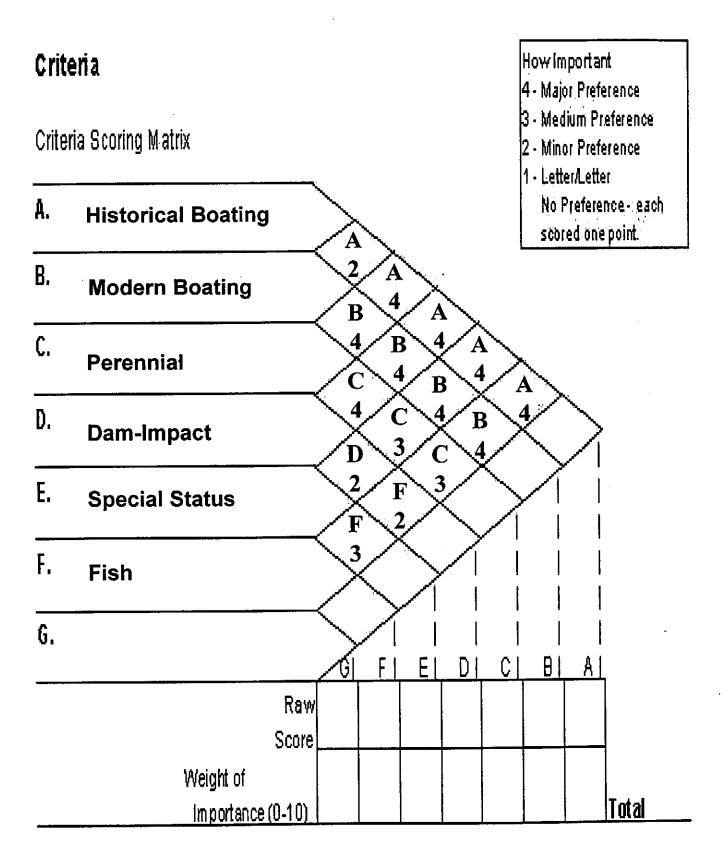
NRL2: Watercourses which merit quantitative engineering

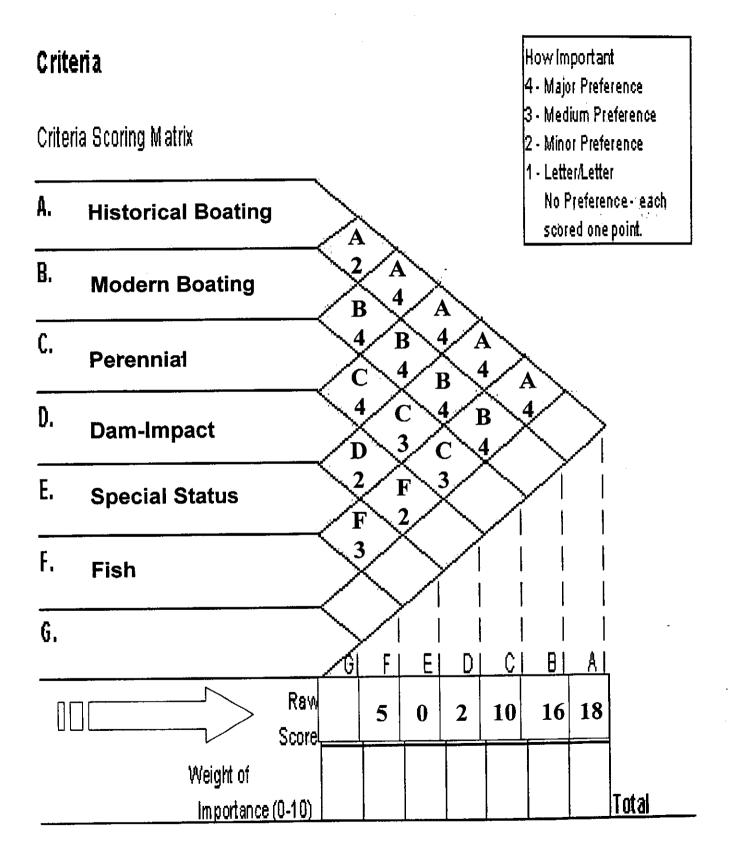
analysis at Level 3



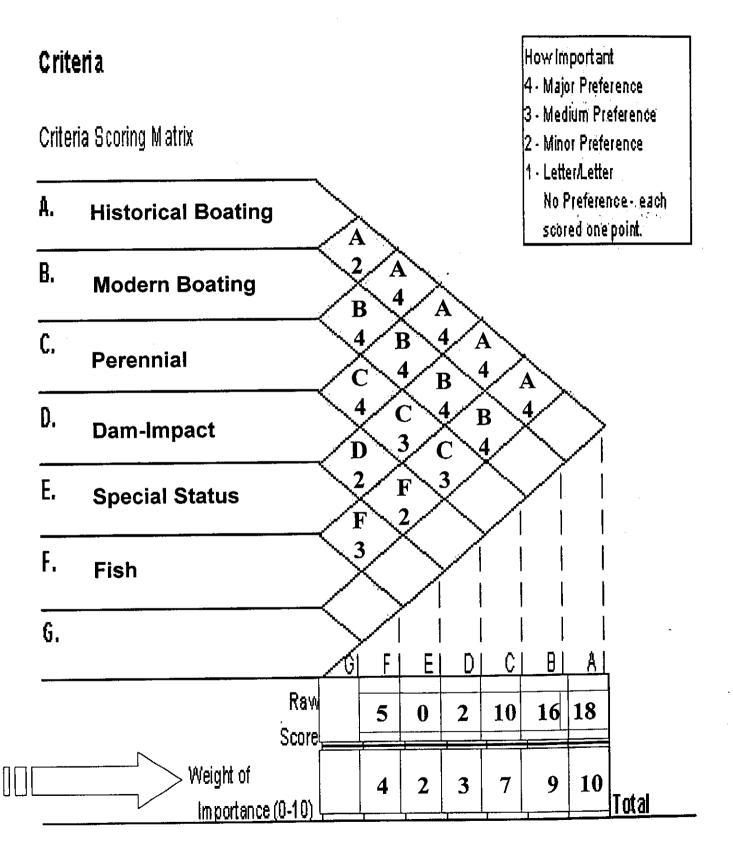














#### Level 3 Evaluation

#### (हिंशहर्रिक)

- Fine Sort
- Eliminate Watercourses Non-Susceptible to Navigation

#### Mighadalage

- Quantitative Engineering Methodologies
- Detailed Hydrologic and Hydraulic Analysis

#### Data Requirements

- Flow Rate
- Flow Characteristics
- Obstacles

#### Application

 Apply to NRL2 watercourses in the database catalog



#### Recolling Datasets

- RL3: Watercourses which are not susceptible to navigation
- NRL3: Watercourses which are susceptible and merit more detailed study



### Detailed Study

#### Goal

Final Sort
Perform Detailed Fact-Finding Study
Addressing Susceptibility and
Actual/Historical Navigation

#### Methodology

Same as for Major River Studies

Qualitative and Quantitative Detailed Study

Test for Navigation In Fact - Actuality

pply the criteria contained in ARS 37-1128 (D)

#### Data Requirements

Extensive Technical Data Historical Information

#### Application

Apply to NRL3 watercourses in the database catalog

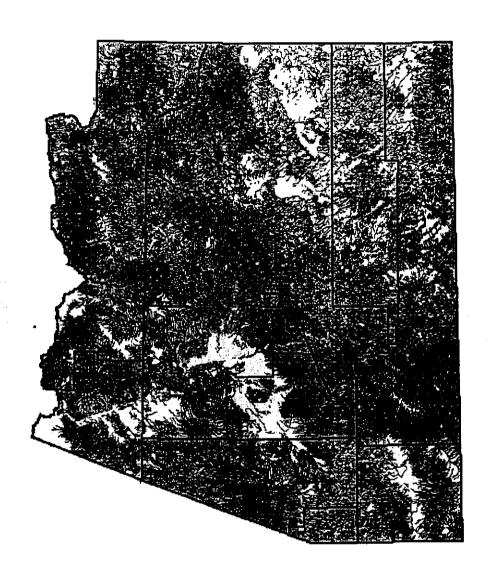
#### **Resulting Datasets**

RDS: (Rejected Detailed Study)- Watercourses which are not susceptible to navigation, and with no evidence of actual/historical navigation

ADS: (Accepted Detail Study)- Watercourses which are susceptible and/or show evidence of actual/historical navigation



#### Small and Minor Watercourses in Arizona



Total No. of	Watercourses	(Statewide):
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39,039

Unnamed Washes:

36,798 (94.3%)

Named Washes:

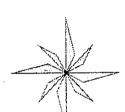
2,241 (5.7%)



### Statewide RL1 Data Set







Total No. of Watercourses (Statewide):

39,039

RL1 Data Set (No. of Watercourses):

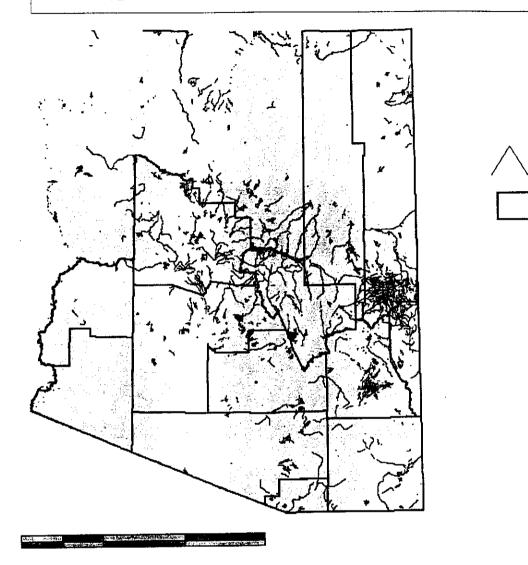
38,014

RL1 Data Set (Percentage):

97.4%



#### Statewide NRL1 Data Set





Total No. of Watercourses (Statewide):

39,039

NRL1 Data Set (No. of Watercourses):

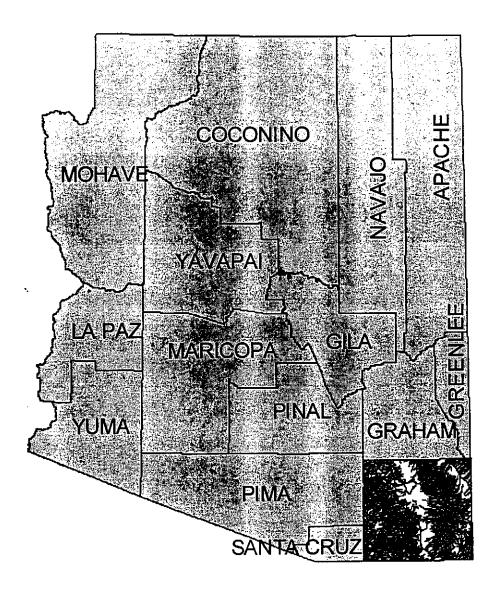
1,025

NRL1 Data Set (Percentage):

2.6%



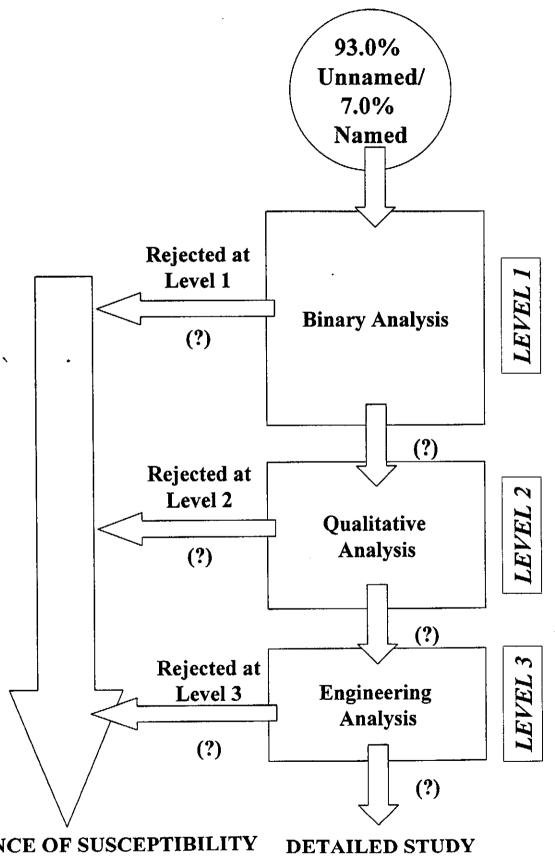
#### **Cochise County**



#### **COUNTY DESCRIPTION:**

- Located in the southeast portion of the State.
- Borders the state of New Mexico to its east and the counties of Graham and Greenlee to its north and Pima and Santa Cruz to its east.
- Land area is approximately 6,215 sq. mi.
- It consists of about 1,739 small & minor watercourses.

#### Watercourse Evaluation Analysis for Cochise County

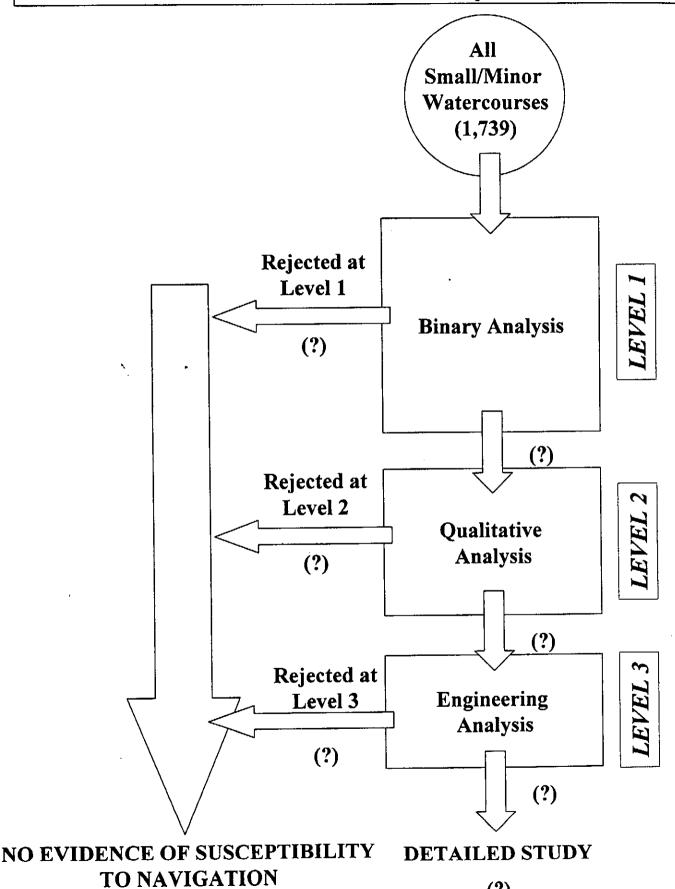


NO EVIDENCE OF SUSCEPTIBILITY TO NAVIGATION

(?)

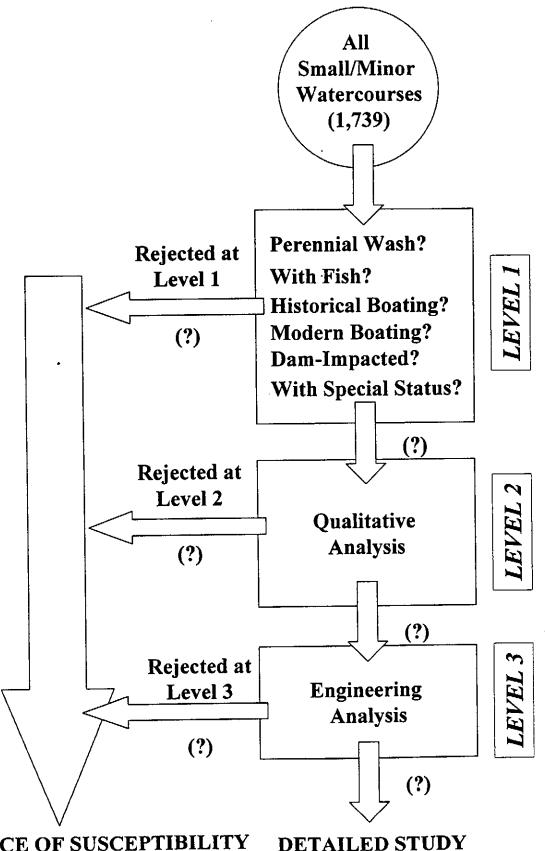


### Watercourse Evaluation Analysis for Cochise County



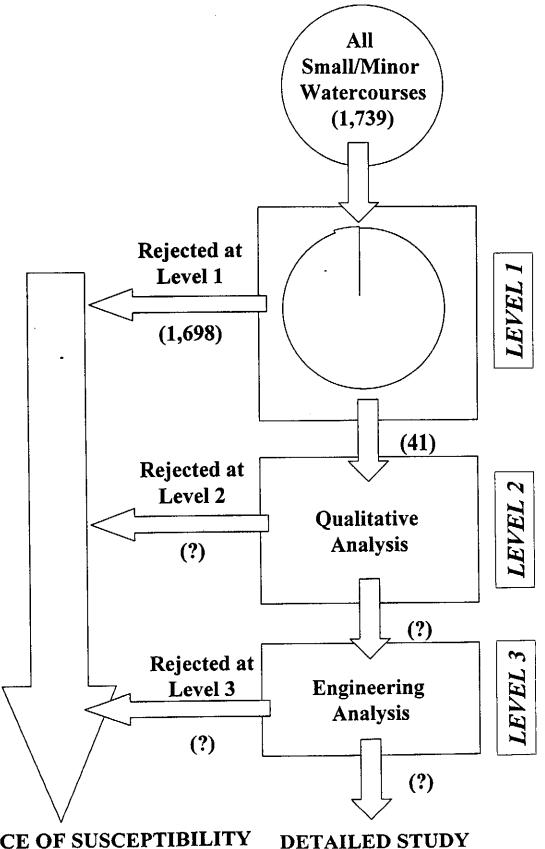
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### Watercourse Evaluation Analysis for Cochise County



NO EVIDENCE OF SUSCEPTIBILITY
TO NAVIGATION



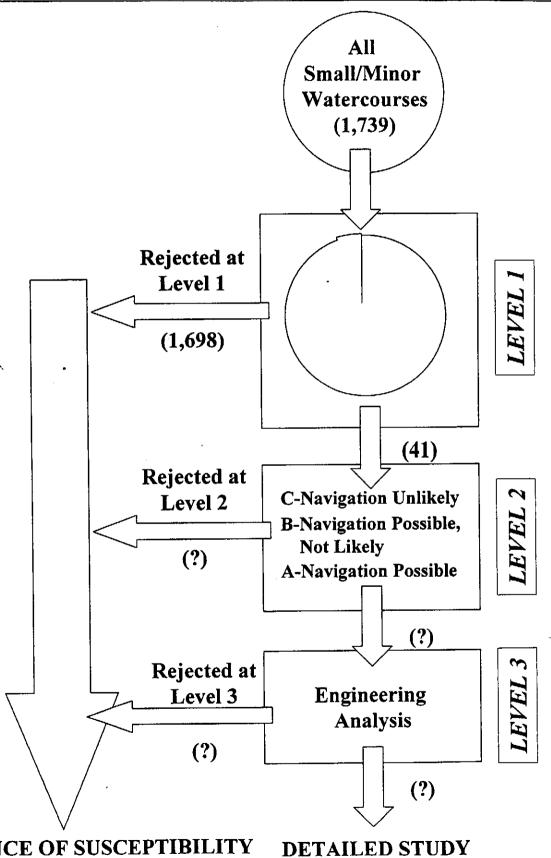


NO EVIDENCE OF SUSCEPTIBILITY TO NAVIGATION

(1,698)

DETAILED STUDY (?)

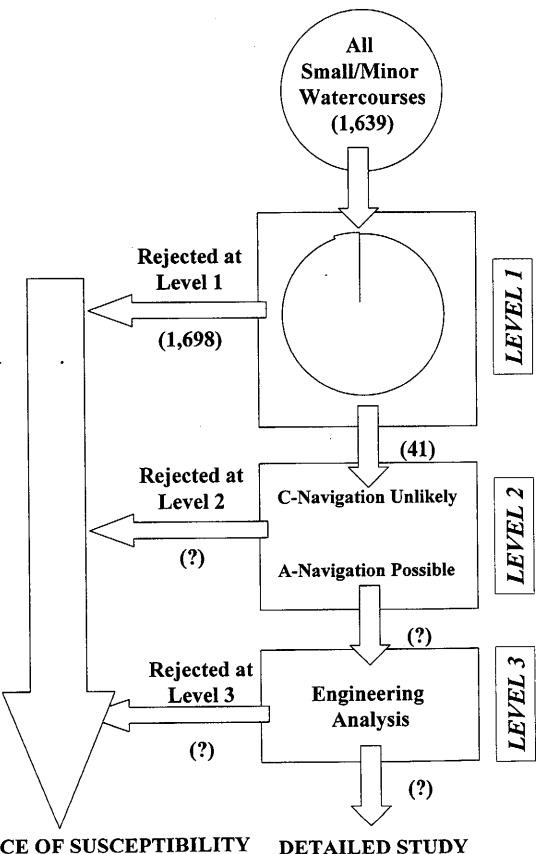




NO EVIDENCE OF SUSCEPTIBILITY TO NAVIGATION

(1,698)



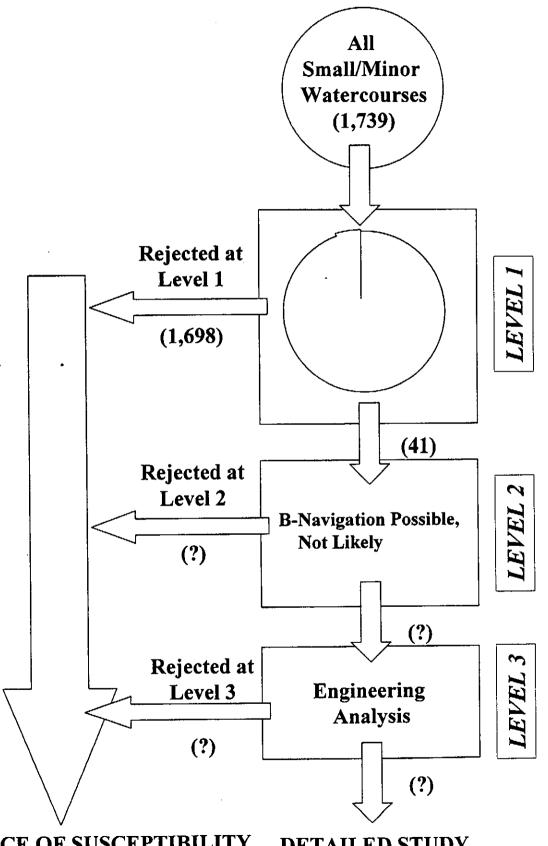


NO EVIDENCE OF SUSCEPTIBILITY TO NAVIGATION

(1,698)

ETAILED STUDY





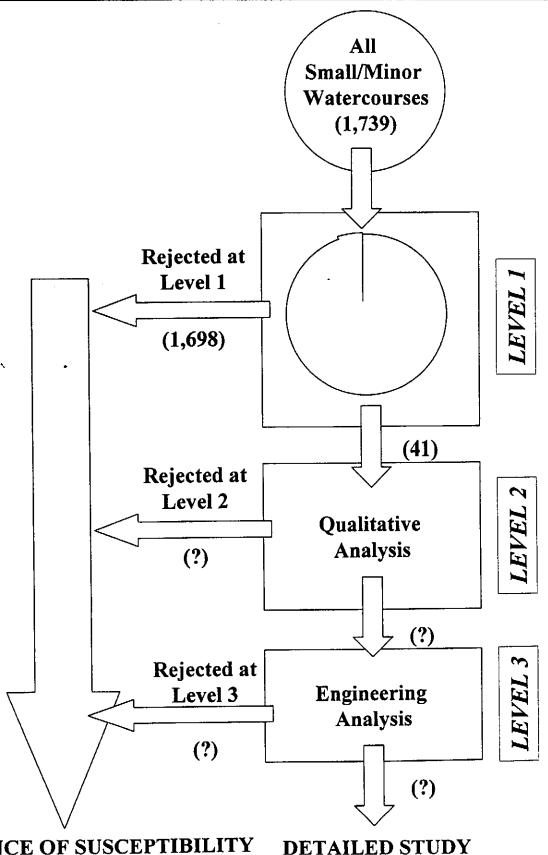
NO EVIDENCE OF SUSCEPTIBILITY TO NAVIGATION

(1,698)

DETAILED STUDY





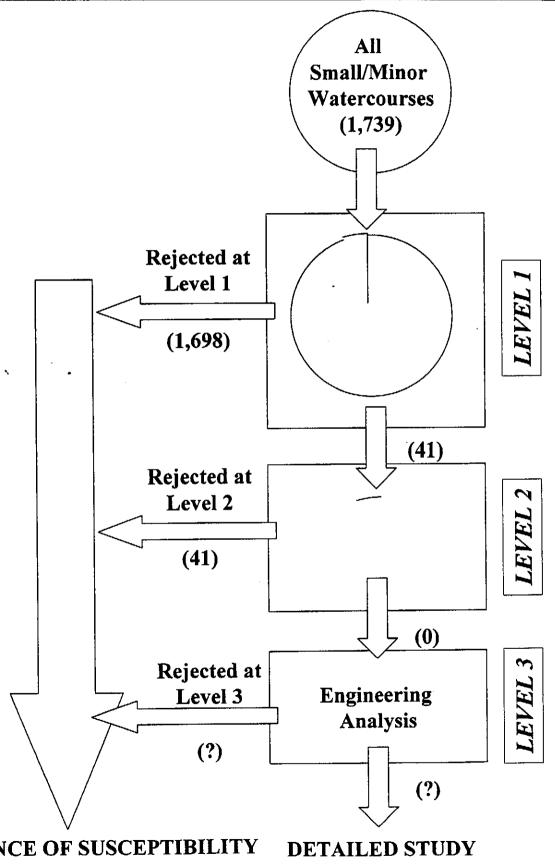


NO EVIDENCE OF SUSCEPTIBILITY TO NAVIGATION

(1,698)

DETAILED STUDY (?)

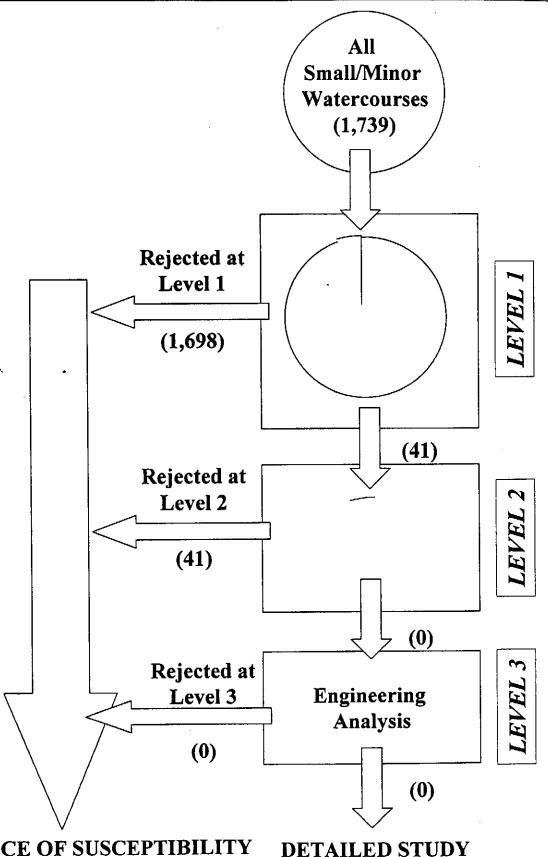




(?)

NO EVIDENCE OF SUSCEPTIBILITY TO NAVIGATION

(1,739)

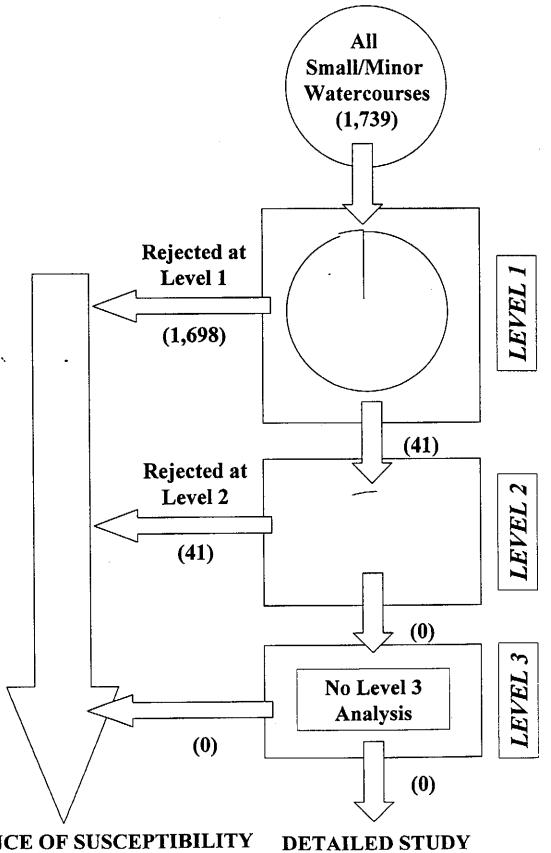


NO EVIDENCE OF SUSCEPTIBILITY TO NAVIGATION

(1,739)

DETAILED STUDY (0)





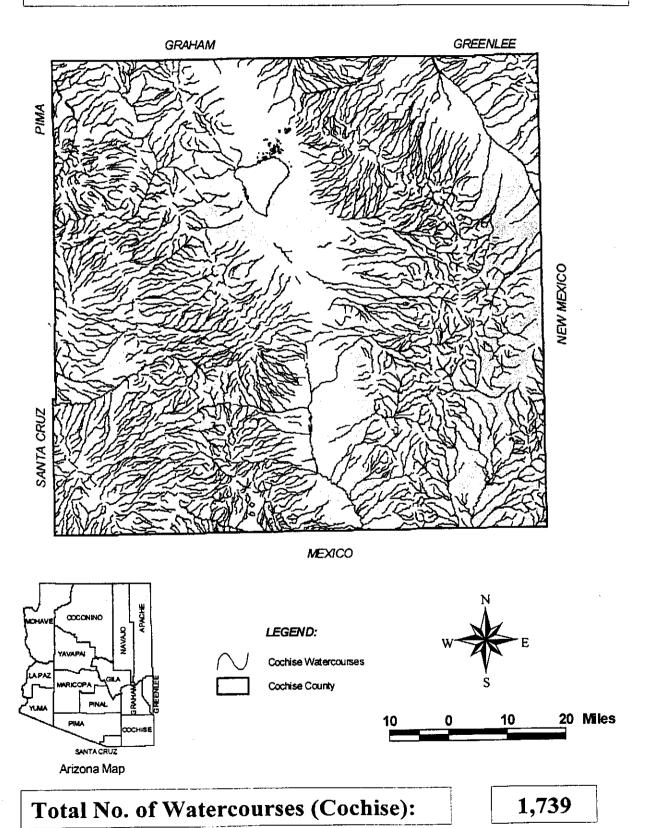
NO EVIDENCE OF SUSCEPTIBILITY TO NAVIGATION

(1,739)

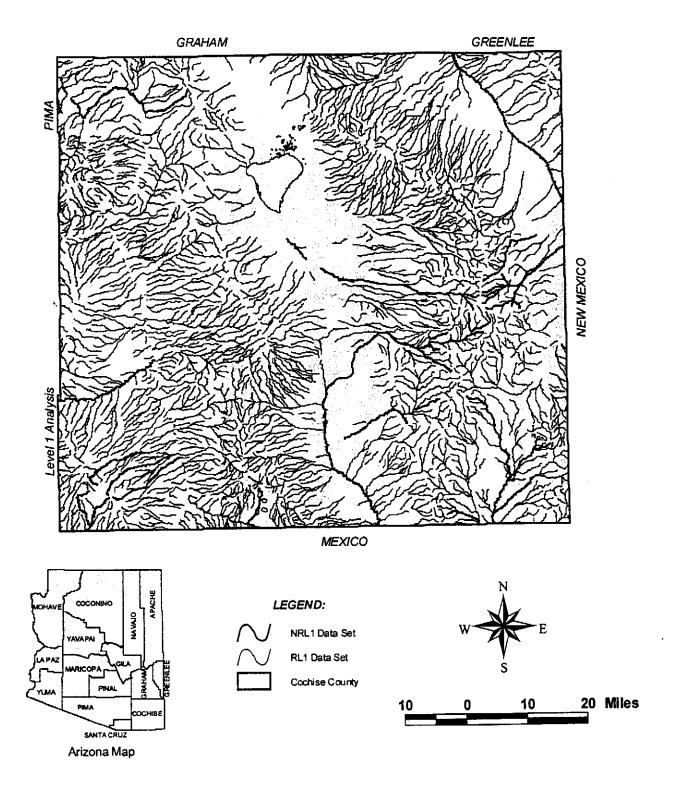
ETAILED STUDY (0)



### Small and Minor Watercourses in Cochise County

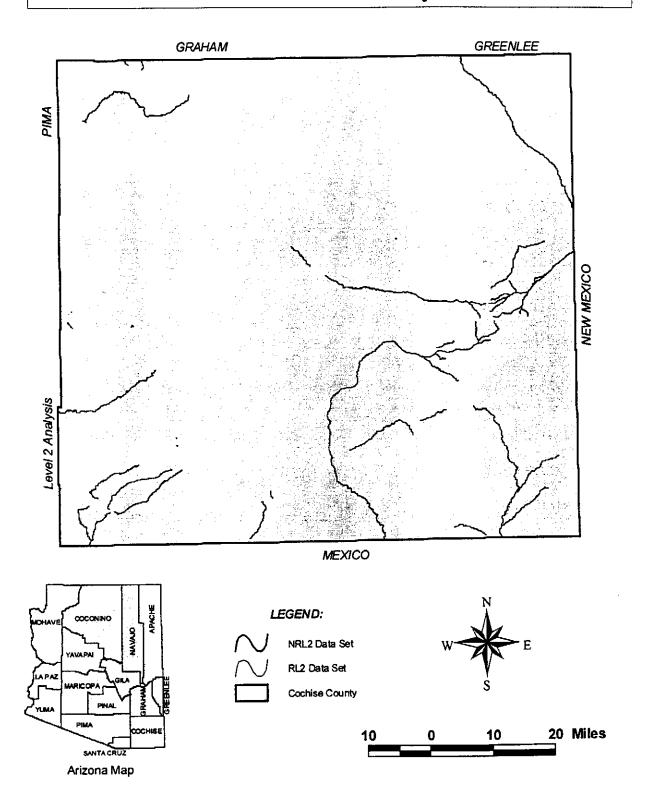


## NRL1 and RL1 Data Sets from Level 1 Analysis for Cochise County





### NRL2 and RL2 Data Sets from Level 2 Analysis for Cochise County



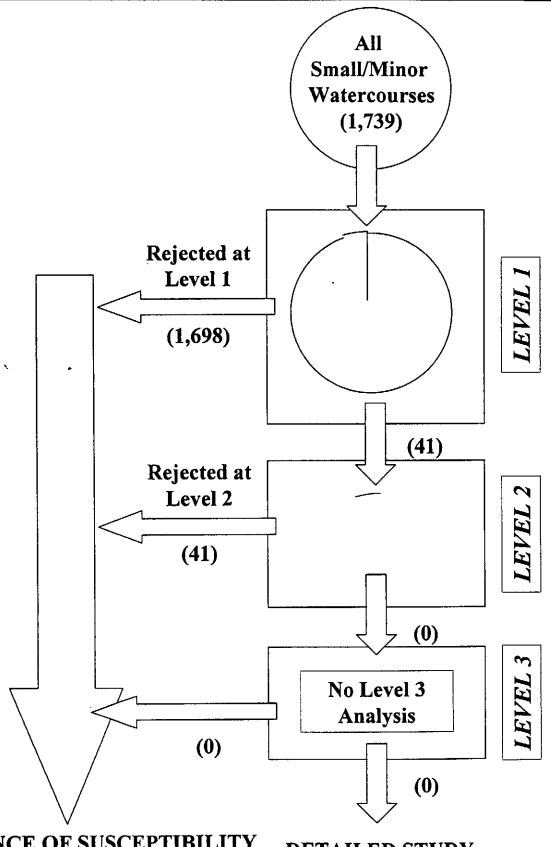
#### **SUMMARY**

(1) Small and minor watercourses in Cochise County: 1,739 **Total:** 121 (7.0%)Named: 1,618 (93.0%)Unnamed: (2) Level 1 Analysis: 1,739 Total: 1,698 **RL1 Data Set:** (97.6%) **NRL1 Data Set:** (2.4%)41 (3) Level 2 Analysis: 41 Total: (100%)**RL2 Data Set:** 41 0%) **NRL2 Data Set:** 0 (4) Level 3 Analysis: Total: 0 RL3 Data Set: 0 NRL3 Data Set: 0 (5) For Detailed Study: Total: 0 (6) Watercourses not susceptible to navigation:

1,739

**Total:** 





NO EVIDENCE OF SUSCEPTIBILITY TO NAVIGATION (1,739)

DETAILED STUDY (0)



## ANSAC PUBLIC HEARING FOR COCHISE COUNTY

#### END OF PRESENTATION

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