

Willow Springs Farm Project

1. Irrigation Project Inventory
Incomplete
2. History
Complete
3. Present Condition
Complete
4. Location Map
no
5. Farm Layout
yes
6. Total Acres
yes
7. Water Supply
 - a. Diversion no
 - b. Storage no
 - c. Canals or Ditches yes
8. Pictures no

WR 10931

IRRIGATION PROJECT INVENTORY

- 1. Name Willow Springs Farms
- 2. Location 8:4 Miles Northwest of Tuba City
- 3. Chapter Tuba City Chapter
- 4. Elevation 4900 5. Mean Temp. 55 6. Growing Season 179
- 7. Precipitation 6.19
- 8. History The project was started in the 1930's by the BIA. Every year different development and improvements has been performed on the project depending upon the availability of funds. After the Completion of the project the area had been farmed continuously for several years. Then farming has dropped below normal productions due to the increase numbers of . 1 time wage earning employment by the land users.

Today most of the land users are on a permit status and does their farm work on a part time basis where as production on the fields differ from year to year. Many dollars are spent on the rehabilitation cost of the system every year.

- 9. Water Source: Spring fed
- 10. Quantity: _____ 11. Quality: Pending test Results
- 12. Diversion: 0

13. STORAGE _____

- 14. Size: 45 Acres Constructed
- 20 Acres Present
- 45 Acres Potential
- 15. Ownership: Tribal Assignments
- Units: Various
- Average Size: _____

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16. Condition of Project Works: Storage pond in good condition. Gate to
delivery ditch in good condition. Some rock lined ditches need repair and new
ditches need to be constructed to improve irrigation system.

17. Rehabilitation Costs:

- a. Canal Construction _____
- b. Reservoir _____
- c. Diversion _____
- d. Gate Structures _____
- e. Canals & Lat. lining _____
- f. Other _____
- TOTAL _____

18. Benefits:

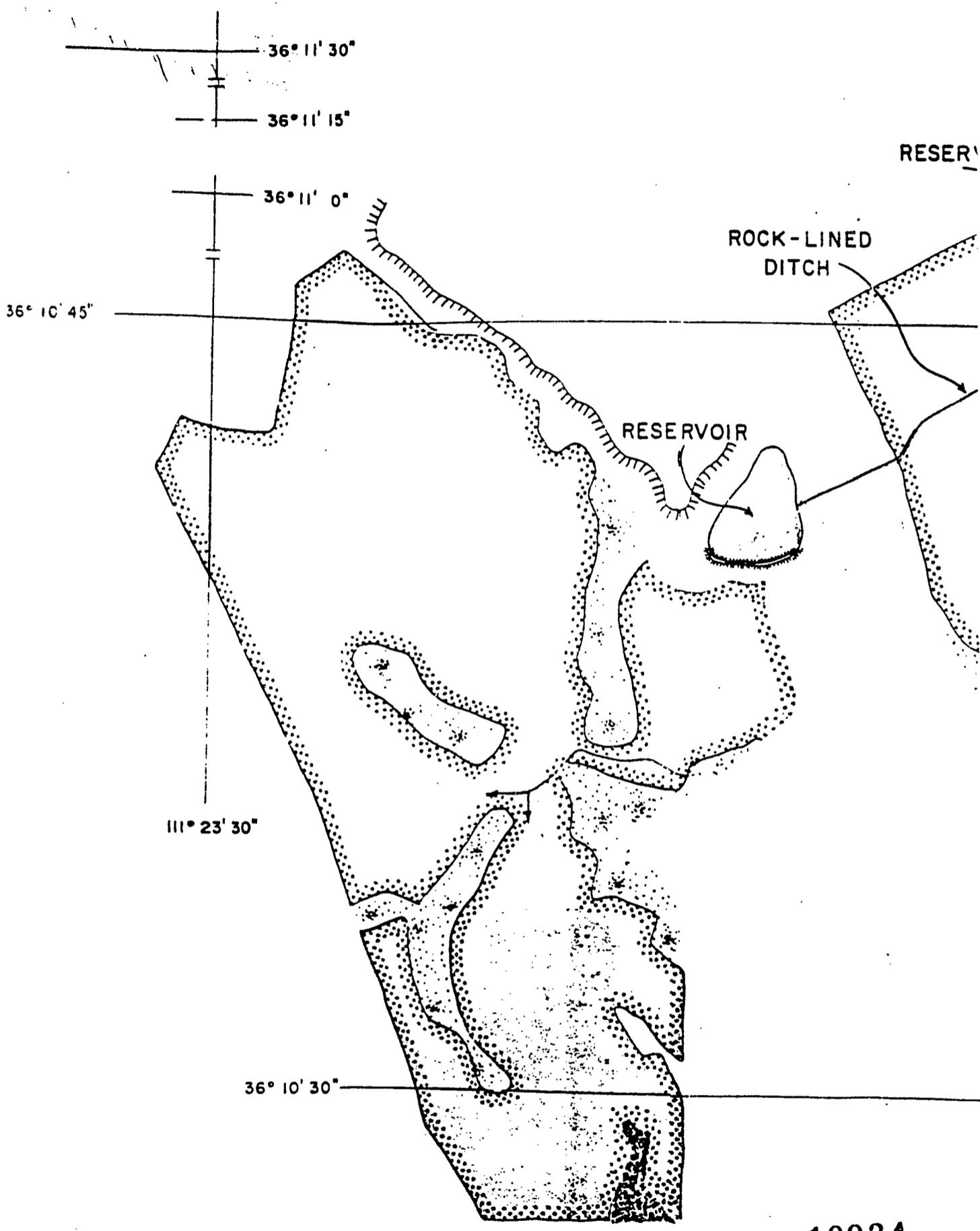
- a. Present Production _____
- b. Projected with Rehabilitation: _____
- c. Other _____

19. Recommendations: Rocklined ditches need repair or relocated for better
distribution of water to farmland.

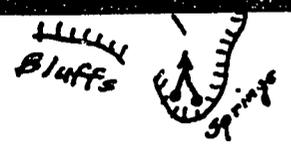
20. Attach maps and/or additional sheets.

21. Include photographs where appropriate.

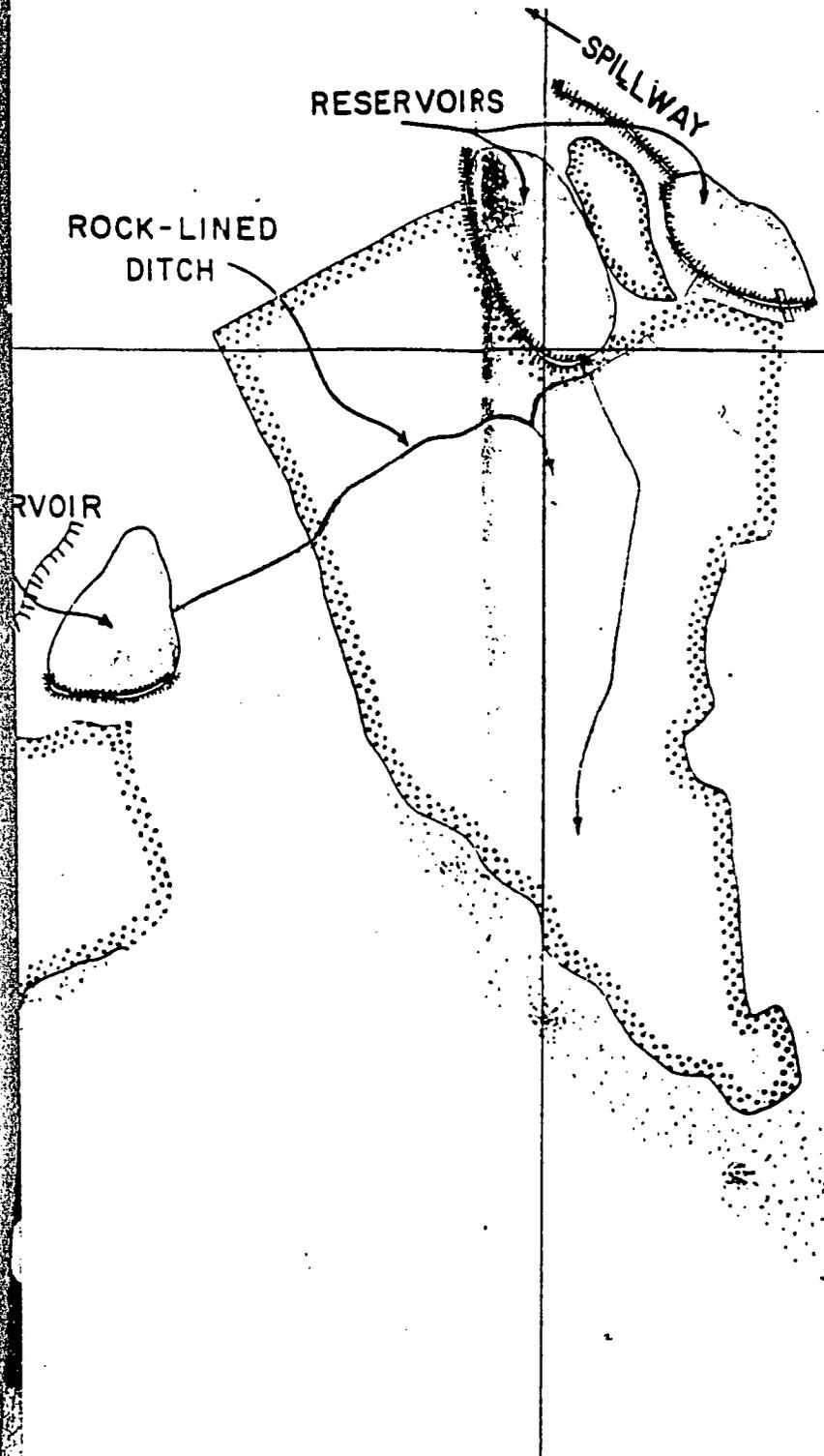
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WILLOW SPRINGS UNIT
SCALE: 1" = 200.0 FT.



LEGEND

- ROCK
- BLUFFS
- SECONDARY ROAD
- SAND DUNES
- PRESENT CANAL
- INTERMITTENT STREAMS
- PRESENT RESERVOIR
- IRRIGATED LANDS
- UNIT BOUNDARY
- TRIANGULATION POINT
- DWELLINGS & HOGANS

NOTE

Map traced from Plane Table
 Survey by T. Jajola in April 1956.

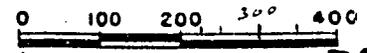
U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF INDIAN AFFAIRS

MAP SHOWING
 INDIAN IRRIGATED LANDS
 NAVAJO INDIAN RESERVATION
 ARIZONA

WILLOW SPRINGS UNIT

AUGUST 1956

SCALE IN FEET



111° 23' 0"

DRAWN John S. Hawley RECOMMENDED W. M. ...

CHECKED H. S. ... APPROVED E. B. ...

GALLUP AREA OFFICE GALLUP, NEW MEXICO
 603-N-ARIZ. V. CAL. - 33

Bluffs
Willow Springs

WILLOW SPRINGS UNIT
 SCALE: 1" = 200.0 FT.

LAND CLASSES WITHIN THE UNIT

| <u>CLASS</u> | <u>ACRES</u> |
|--------------|--------------|
|--------------|--------------|

SUITED FOR IRRIGATION

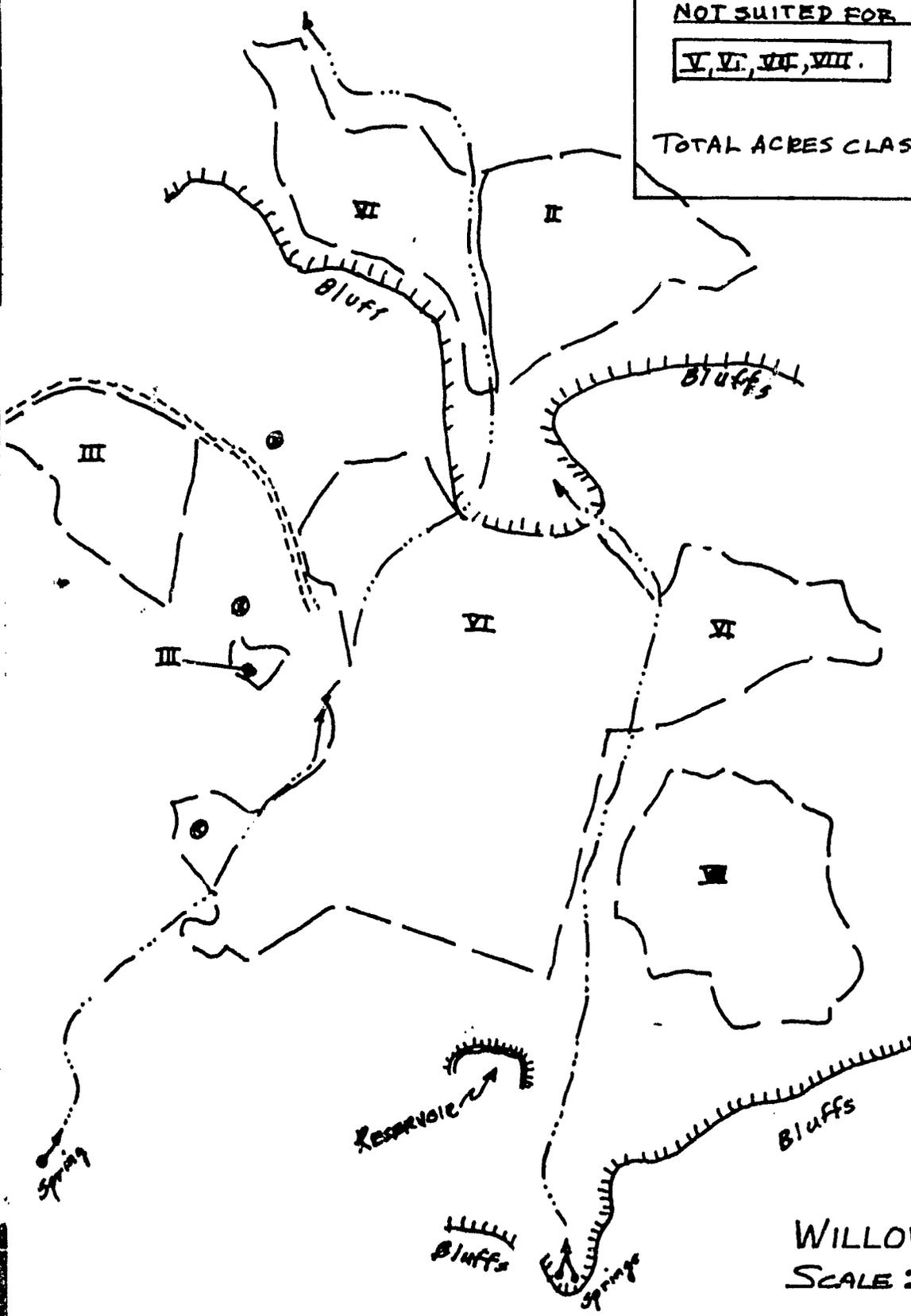
| | |
|-----|-----------|
| I | <u>0</u> |
| II | <u>1</u> |
| III | <u>23</u> |
| IV | <u>19</u> |

TOTAL IRRIGABLE ACRES 33

NOT SUITED FOR IRRIGATION

| | |
|-------------------|-----------|
| V, VI, VII, VIII. | <u>12</u> |
|-------------------|-----------|

TOTAL ACRES CLASSIFIED 45



WILLOW SPRINGS UNIT
SCALE: 1" = 200.0 FT.

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