**RESERVOIR SEDIMENTATION DATA SUMMARY**

<table>
<thead>
<tr>
<th>DAM</th>
<th>OWNER</th>
<th>Ellsworth</th>
<th>2. RIVER</th>
<th>Magma Wash</th>
<th>3. STATE</th>
<th>Arizona</th>
</tr>
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<tbody>
<tr>
<td>4. SEC 22</td>
<td>TWP 35</td>
<td>RANGE 9E</td>
<td>5. NEAREST TOWN</td>
<td>Florence</td>
<td>6. COUNTY</td>
<td>Pinal</td>
</tr>
<tr>
<td>7. STREAM BED ELEV.</td>
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<td>8. TOP OF DAM ELEV.</td>
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<td>9. SPILLWAY CREST ELEV.</td>
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<td>a. FLOOD CONTROL</td>
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<td>b. POWER</td>
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<tr>
<td>c. WATER SUPPLY</td>
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<td>d. IRRIGATION</td>
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<td></td>
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<td>1949</td>
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<td>e. CONSERVATION</td>
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<td></td>
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<td>f. INACTIVE</td>
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<tr>
<td>17. LENGTH OF RESERVOIR</td>
<td>MILES</td>
<td>AV. WIDTH OF RESERVOIR</td>
<td>MILES</td>
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<td>18. TOTAL DRAINAGE AREA</td>
<td>21.9</td>
<td>SQ. MI.</td>
<td>22. MEAN ANNUAL PRECIPITATION</td>
<td>9.7</td>
<td>INCHES</td>
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<td>19. NET SEDIMENT CONTRIBUTING AREA</td>
<td>7.0*</td>
<td>SQ. MI.</td>
<td>23. MEAN ANNUAL RUNOFF</td>
<td>0.34</td>
<td>INCHES</td>
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<td>20. LENGTH</td>
<td>15.1</td>
<td>MILES; AV. WIDTH</td>
<td>1.8</td>
<td>MILES</td>
<td>24. MEAN ANNUAL RUNOFF</td>
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<td>1 MIN. ELEV.</td>
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<td>25. CLIMATIC CLASSIFICATION</td>
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<td>10</td>
<td>Range</td>
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<td>3.8</td>
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<tr>
<td>26. DATE OF SURVEY</td>
<td>34. PERIOD ANNUAL PRECIPITATION</td>
<td>35. PERIOD WATER INFLOW ACRE-FEET</td>
<td>36. WATER INFIL. TO DATE AC. FT.</td>
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<td>May 1959</td>
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<tr>
<td>26. DATE OF SURVEY</td>
<td>37. PERIOD SEDIMENT DEPOSITS ACRE-FEET</td>
<td>38. TOTAL SED. DEPOSITS TO DATE ACRE-FEET</td>
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<td>0.01</td>
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<td>26. DATE OF SURVEY</td>
<td>39. AV. DRY WGT. LBS. PER CU. FT.</td>
<td>40. SED. DEP. TONS PER SQ. MI.-YR.</td>
<td>41. STORAGE LOSS PCT.</td>
<td>42. SED. INFLOW PPM</td>
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* Estimated
### Depth Designation Range In Feet Above, And Below, Crest Elevation

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<tr>
<th>DATE OF SURVEY</th>
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Percent Of Total Sediment Located Within Depth Designation

<table>
<thead>
<tr>
<th>DATE OF SURVEY</th>
<th>REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR</th>
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<tr>
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Percent Of Total Sediment Located Within Reach Designation

### Range In Reservoir Operation

<table>
<thead>
<tr>
<th>WATER YEAR</th>
<th>MAX. ELEV.</th>
<th>MIN. ELEV.</th>
<th>INFLOW AC.-FT</th>
<th>WATER YEAR</th>
<th>MAX. ELEV.</th>
<th>MIN. ELEV.</th>
<th>INFLOW AC.-FT</th>
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### Elevation-Area-Capacity Data

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<th>AREA</th>
<th>CAPACITY</th>
<th>ELEVATION</th>
<th>AREA</th>
<th>CAPACITY</th>
<th>ELEVATION</th>
<th>AREA</th>
<th>CAPACITY</th>
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### Remarks And References

SOIL CONSERVATION SERVICE
TUSCON, ARIZONA

### Agency Supplying Data

AGENCY Supplying DATA
TUSCON, ARIZONA

### Date

DATE Dec. 19, 1960
# Reservoir Sedimentation Data Summary

<table>
<thead>
<tr>
<th>Dam Name</th>
<th>Owner</th>
<th>River</th>
<th>State</th>
<th>Nearest Town</th>
<th>County</th>
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<tbody>
<tr>
<td>Magma #3</td>
<td>Ellsworth</td>
<td>Magma Wash</td>
<td>Arizona</td>
<td>Florence</td>
<td>Pinal</td>
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<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>9E</td>
<td>1,620</td>
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<table>
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<tr>
<th>Storage Allocation</th>
<th>Flood Control</th>
<th>Power</th>
<th>Water Supply</th>
<th>Irrigation</th>
<th>Conservation</th>
<th>Inactive</th>
<th>Date Storage Began</th>
<th>Date Normal Oper Began</th>
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<tbody>
<tr>
<td></td>
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<table>
<thead>
<tr>
<th>Length of Reservoir</th>
<th>Miles</th>
<th>Av. Width of Reservoir</th>
<th>Miles</th>
<th>Total Drainage Area</th>
<th>Acres</th>
<th>Mean Annual Precipitation</th>
<th>Inches</th>
<th>Net Sediment Contributing Area</th>
<th>Acres</th>
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<tbody>
<tr>
<td>15.1</td>
<td></td>
<td></td>
<td></td>
<td>21.9</td>
<td></td>
<td>9.7</td>
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<td>7.0*</td>
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<tr>
<th>Watershed Data</th>
<th>Max. Elevation</th>
<th>Min. Elevation</th>
<th>Climatic Classification</th>
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<td>3,000</td>
<td>1,620</td>
<td>Arid</td>
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<table>
<thead>
<tr>
<th>Date of Survey</th>
<th>Period Years</th>
<th>Accl. Years</th>
<th>Type of Survey</th>
<th>No. of Ranges or Contour Int.</th>
<th>Surface Area Acres</th>
<th>Capacity Acre-Feet</th>
<th>C/W Ratio Acre-Feet/Sq. Mi.</th>
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</thead>
<tbody>
<tr>
<td>May 1959</td>
<td>10</td>
<td>10</td>
<td>Range</td>
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<table>
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<th>Period Annual Precipitation</th>
<th>Period Water Inflow Acre-Feet</th>
<th>Water Infl. to Date Acre-Feet</th>
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<tbody>
<tr>
<td>May 1959</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of Survey</th>
<th>Period Sediment Deposits Acre-Feet</th>
<th>Total Sed. Deposits to Date Acre-Feet</th>
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<tbody>
<tr>
<td>May 1959</td>
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<td>2.2</td>
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<table>
<thead>
<tr>
<th>Date of Survey</th>
<th>Av. Dry Wgt. Lbs. Per Cu. Ft.</th>
<th>Sed. Dep. Tons Per Sq. Mi.-Yr.</th>
<th>Total to Date Acre-Feet</th>
<th>Av. Annual</th>
<th>Total to Date</th>
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</thead>
<tbody>
<tr>
<td>May 1959</td>
<td>75*</td>
<td>49</td>
<td>49</td>
<td>3.67</td>
<td>36.66</td>
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</tbody>
</table>

* Estimated
<table>
<thead>
<tr>
<th>Date of Survey</th>
<th>Depth Designation Range in Feet Above, and Below, Crest Elevation</th>
<th>Percent of Total Sediment Located Within Depth Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of Survey</td>
<td>Reach Designation Percent of Total Original Length of Reservoir</td>
<td>Percent of Total Sediment Located Within Reach Designation</td>
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<table>
<thead>
<tr>
<th>Water Year</th>
<th>Max. ELEV.</th>
<th>Min. ELEV.</th>
<th>Inflow Ac.-ft.</th>
<th>Water Year</th>
<th>Max. ELEV.</th>
<th>Min. ELEV.</th>
<th>Inflow Ac.-ft.</th>
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<table>
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<th>Elevation</th>
<th>Area</th>
<th>Capacity</th>
<th>Elevation</th>
<th>Area</th>
<th>Capacity</th>
<th>Elevation</th>
<th>Area</th>
<th>Capacity</th>
</tr>
</thead>
</table>

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Tuscon, Arizona

Agency Supplying Data
Tuscon, Arizona

Date Dec. 19, 1960