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## The Navajo Gallup Water Supply Project



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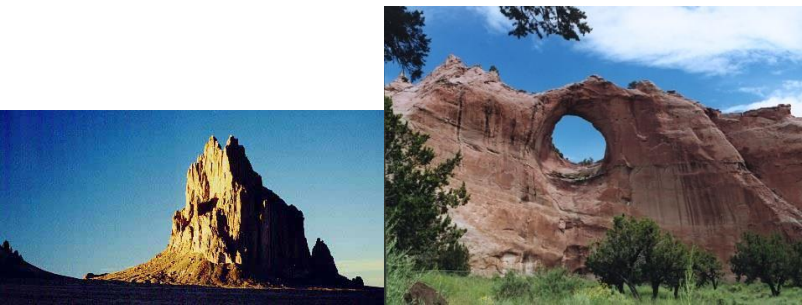
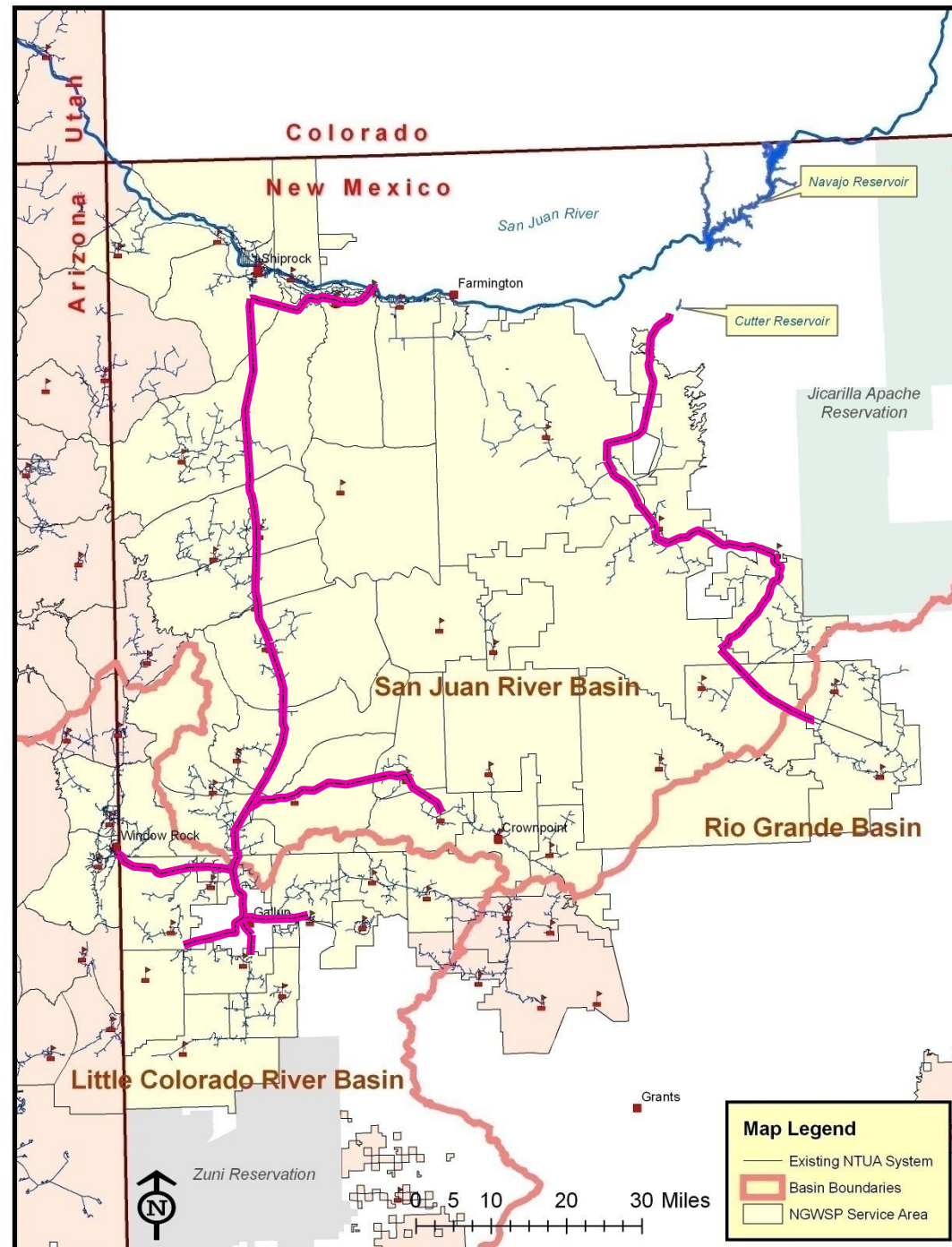
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*“I need someone well versed in the art of torture—do you know PowerPoint?”*

# 1. The NGWSP

- Divert 60 cfs San Juan River water near the Upper Fruitland Chapter.
- Convey water along N36 and south along US491 to Window Rock, Crownpoint, and the Gallup area.
- Divert 10 cfs from Cutter Reservoir to eastern portions of the Navajo Reservation and Jicarilla Nation.
- 234 miles of pipeline and 20 pumping plants.



## 2. The San Juan River Diversion



### 3. The Cutter Dam and Lateral



## 4. Memory Lane 1950's and 1960's

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- 1958 - Congressional Hearings on the Navajo Indian Irrigation Project (60 years ago).
- 1960 - Banner and Associates report on a 20-Inch diameter pipeline to deliver 5 MGD to the City of Gallup and 1.5 MGD to Window Rock.
- 1962 - Navajo Indian Irrigation Project and San Juan Chama authorized.
- 1967 – Colorado Pikeminnow listed as endangered.



Up to six feet long weighing up to 80 pounds!



Photo courtesy of Dale and Max Stewart



Photo courtesy of Wendell Minkley



## 5. Memory Lane 1970's and 1980's

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- 1971 - Congressional authorization for feasibility studies (48 years ago).
- 1976 – Turney Report was the basis for the 1984 plan formulation.
- 1984 – Compliance with the National Environmental Protection Act -Draft Environmental Impact Statement (35 years ago).



## 6. Memory Lane 1990's

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- 1991 – USFWS designated much of the San Juan River as critical habitat for the Colorado Pikeminnow.
- 1992 – Biological Opinions for Animas La Plata and NIIP Block 7 and 8 included the 7 year research program and the 7 year recovery program. (29 years ago)
- Interdisciplinary Reports.
- 1999 - Flow recommendations enabled additional NIIP Blocks to be constructed. (Re-operation of Navajo Dam, rearing ponds, improve fish passage).



## 7. Memory Lane 2000 to 2005

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- 2000 – The Colorado Ute Indian Water Rights Settlement Act Amendments of 2000 includes Navajo Nation Municipal Pipeline from Farmington to Shiprock.
- 2003 – The Navajo Nation New Mexico San Juan River Settlement becomes public (more than 90 Chapter meetings).



## 8. Memory Lane 2000 to 2006

- 2003 - Resolution of the Upper Colorado River Commission addressing concern that New Mexico could not use its Upper Basin allocation of water in the Lower Basin as defined in Article 2 of the Colorado River Compact.



WHEREAS, the states of Colorado, New Mexico, Utah and Wyoming all support the proposed Navajo-Gallup Water Supply Project, but the states are not in agreement as to whether, under the Law of the River, New Mexico may use a part of its Upper Basin apportionment to serve uses in the Lower Basin portion of New Mexico, without obtaining the consent of the other states. However, in the spirit of comity, and without prejudice to the position of any state regarding these unresolved issues, all the states support and to the extent necessary consent to the Navajo-Gallup Water Supply Project in New Mexico.

NOW, THEREFORE, BE IT RESOLVED by the Upper Colorado River Commission that the States of Colorado, New Mexico, Utah and Wyoming, support and to the extent necessary consent to the diversion of water from the Upper Basin for use in the Lower Basin solely within New Mexico via the proposed Navajo-Gallup Water Supply Project; provided, that any water so diverted by said project to the Lower Basin portion of New Mexico, being a depletion of water at Lee Ferry, shall be a part of the consumptive use apportionment made to the State of New Mexico by Article III (a) of the Upper Colorado River Basin Compact; and



# 9. Memory Lane 2000 to 2006

- 2006 - Resolution of the Upper Colorado River Commission addressing concern that water is available from Navajo Reservoir (Hydrologic Determination).



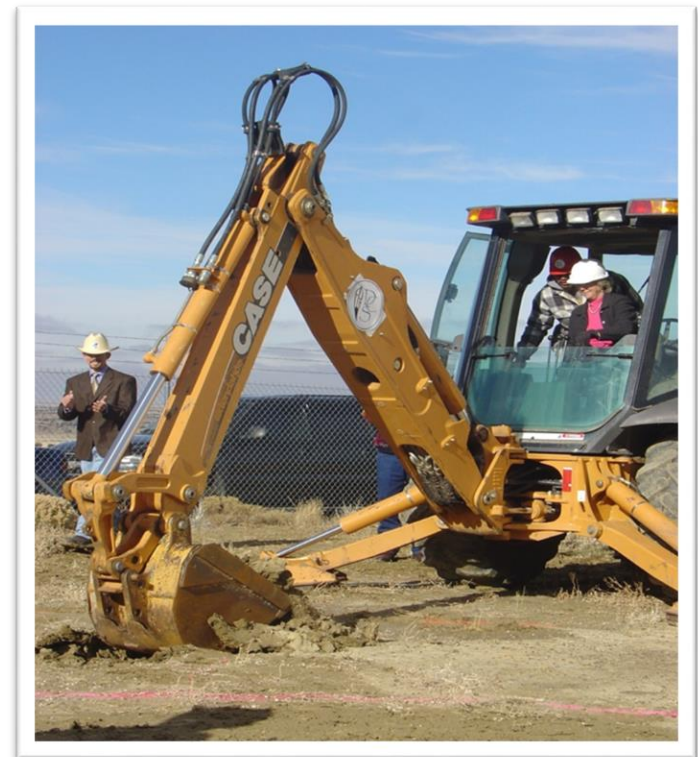
WHEREAS, the Upper Colorado River Commission on June 19, 2003, resolved that: (1) “the States of Colorado, New Mexico, Utah and Wyoming, support and to the extent necessary consent to the diversion of water from the Upper Basin for use in the Lower Basin solely within New Mexico via the proposed Navajo-Gallup Water Supply Project; provided, that any water so diverted by said project to the Lower Basin portion of New Mexico, being a depletion of water at Lee Ferry, shall be a part of the consumptive use apportionment made to the State of New Mexico by Article III (a) of the Upper Colorado River Compact;” and (2) “the Upper Colorado River Commission supports such Congressional action as may be necessary to authorize the Navajo-Gallup Water Supply Project.”

NOW, THEREFORE, BE IT RESOLVED by the Upper Colorado River Commission, that the Commission supports Congressional action to: (1) approve the Settlement Agreement; (2) authorize the proposed Navajo-Gallup Water Supply Project; and (3) approve the proposed Settlement Contract for the Navajo Nation’s uses in New Mexico from the Navajo Reservoir supply under the Navajo-Gallup Water Supply Project and the Navajo Indian Irrigation Project.



# 10. Memory Lane 2000 to 2006

- 2006 – New Mexico Year of Water and break ground on Eastern Navajo Water Project.



# 11. Memory Lane 2006 to 2010

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- 2009 – Omnibus Public Land Management Act of 2009 (Public Law 111-11) signed on March 30, 2009.
- 2009 – Record of Decision signed October 2009.



## 12. Memory Lane (2010 and beyond)

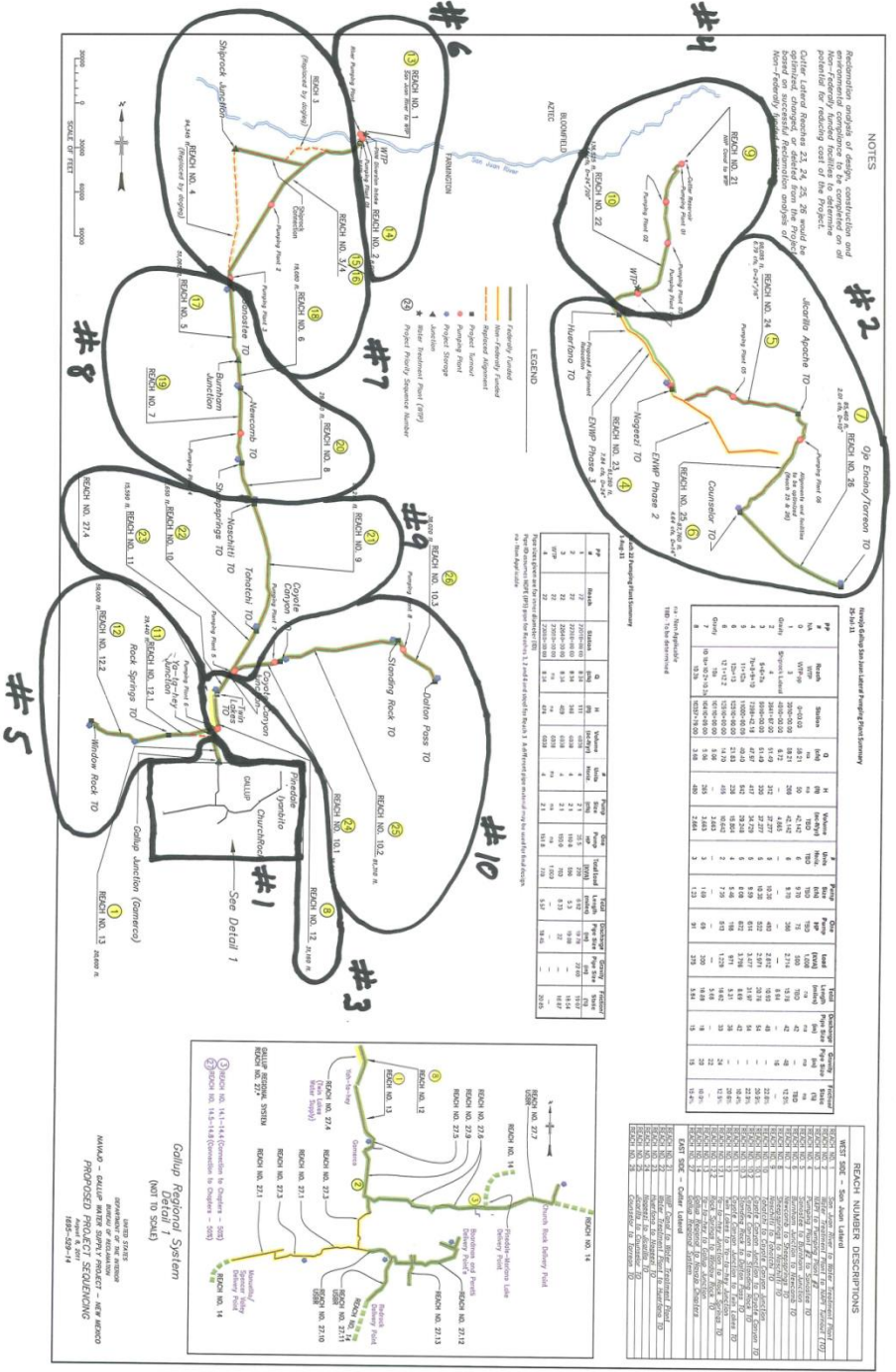
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- 2012 – Reclamation broke ground June 2, 2012.
- 2024 – Statutory deadline (66 years later).



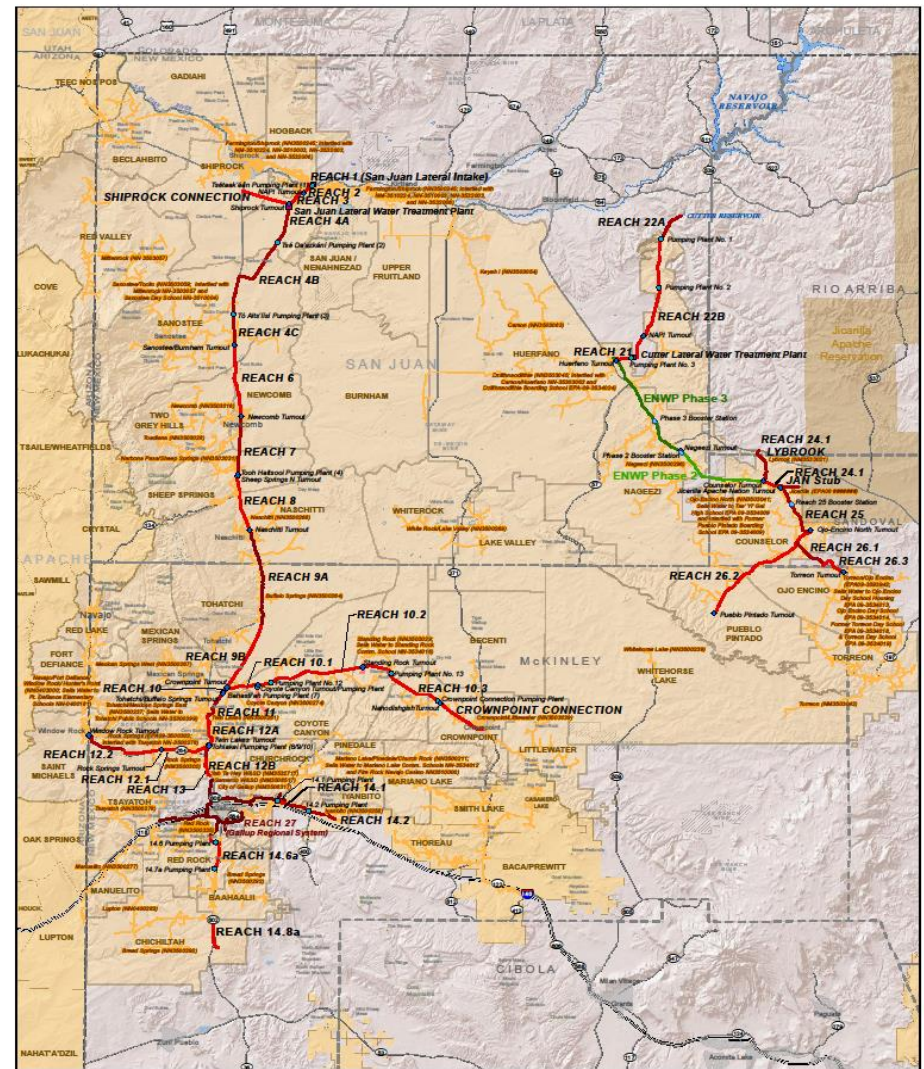
# 13. The NGWSP Sequencing Plan

- Build the Project “backwards.”
- Increase the number of customers between now and ~~2024~~ 2029?
- Defer the construction of some facilities.
- Use conjunctive groundwater.



# 14. Reach Numbering

- Missing Reach 5?
- Reach 27 constructed by Gallup.
- Reaches 10, 24, 25 and 26 constructed by Navajo Nation.
- Reach 14 constructed by the Indian Health Service.



Navajo Gallup Water Supply Project  
RECLAMATION  
Managing Water in the West

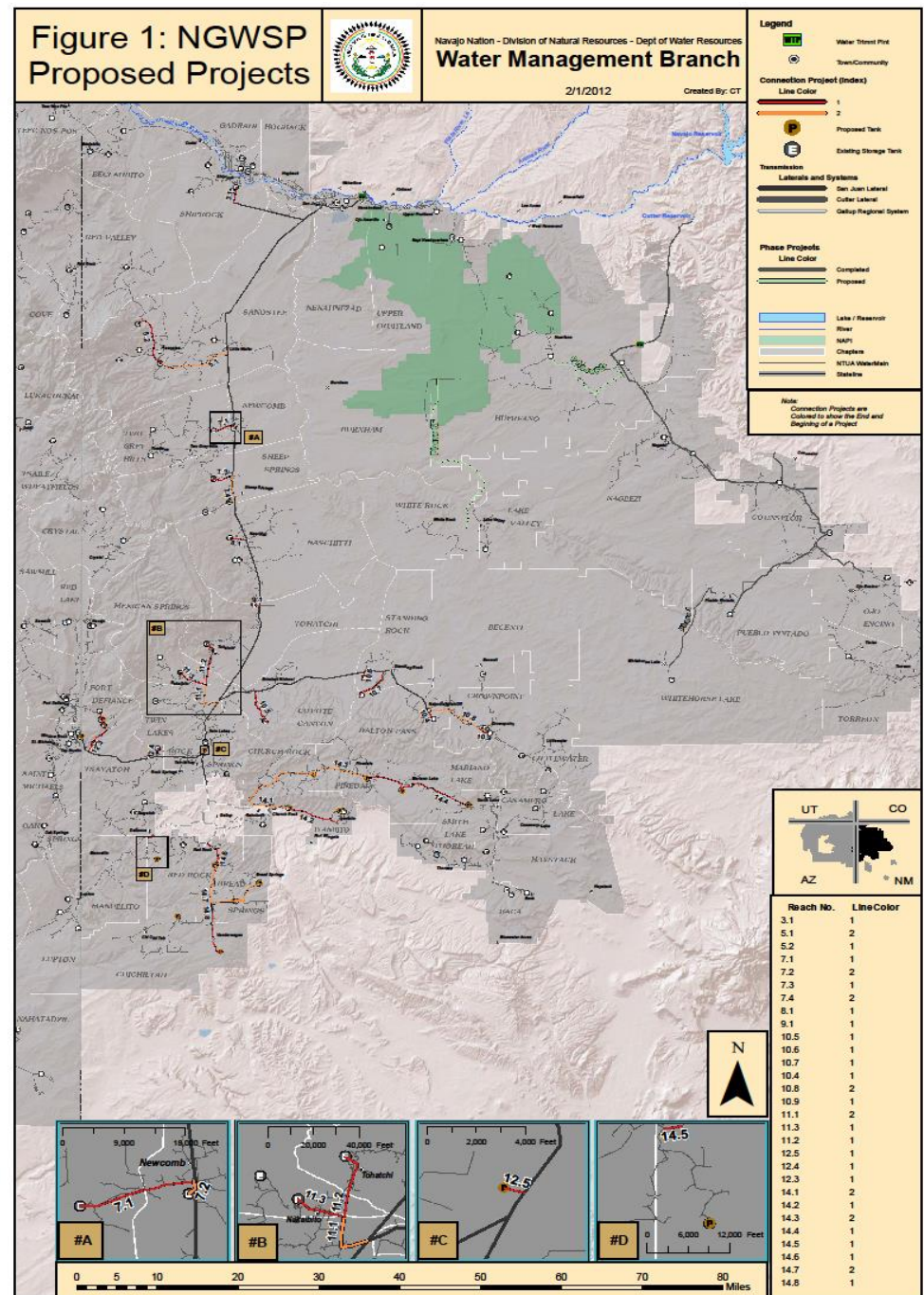


Note: Pumping Plant numbers reflect FEIS designations. Some pumping plants in original FEIS design have been combined and/or eliminated as a result of additional analyses and optimization studies.  
Disclaimer: Not for construction purposes. Alignment may be refined as designs and field reviews are completed.



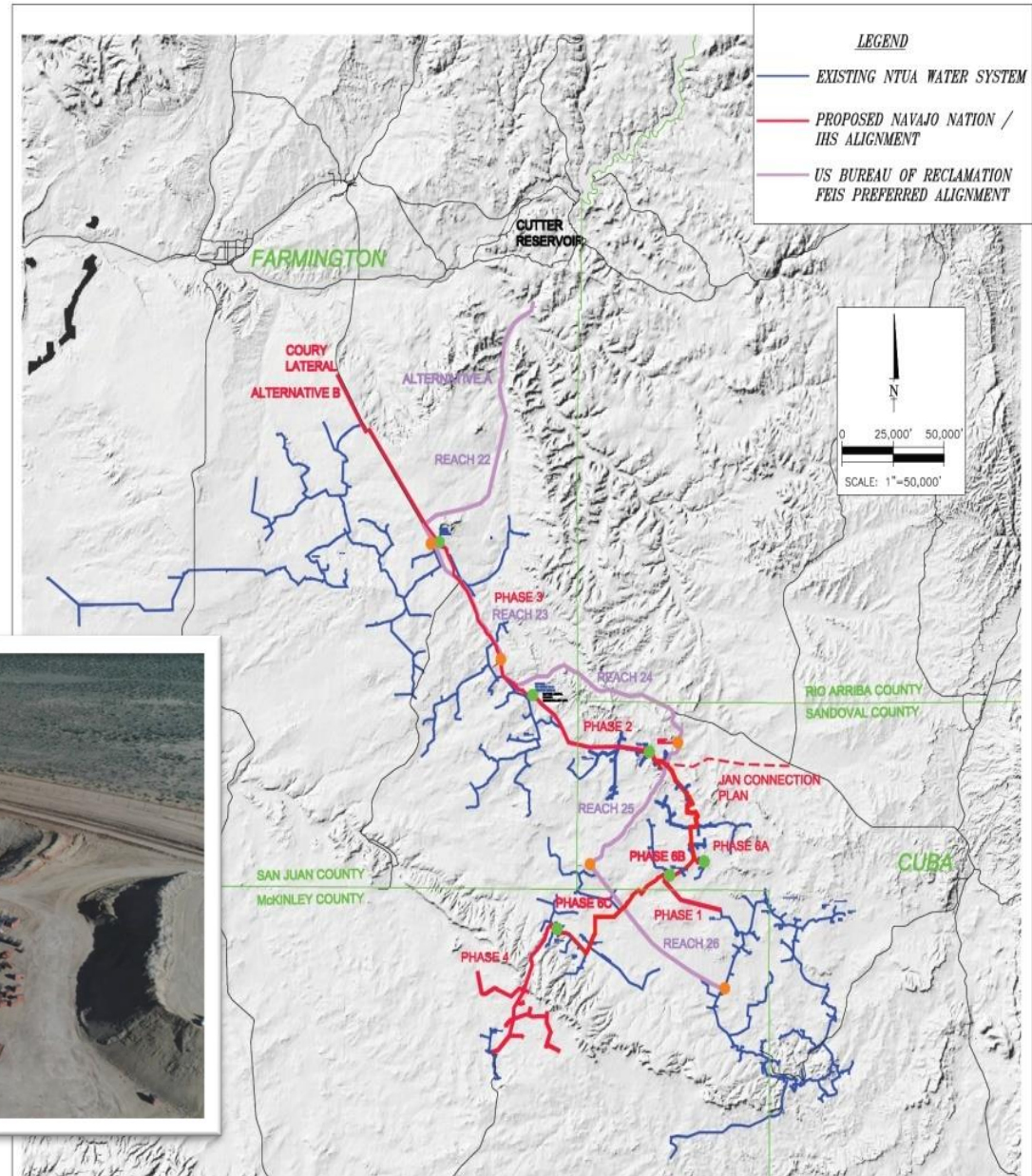
# 15. The NGWSP Connection Plan

- Get the water to where the NTUA systems can use it.

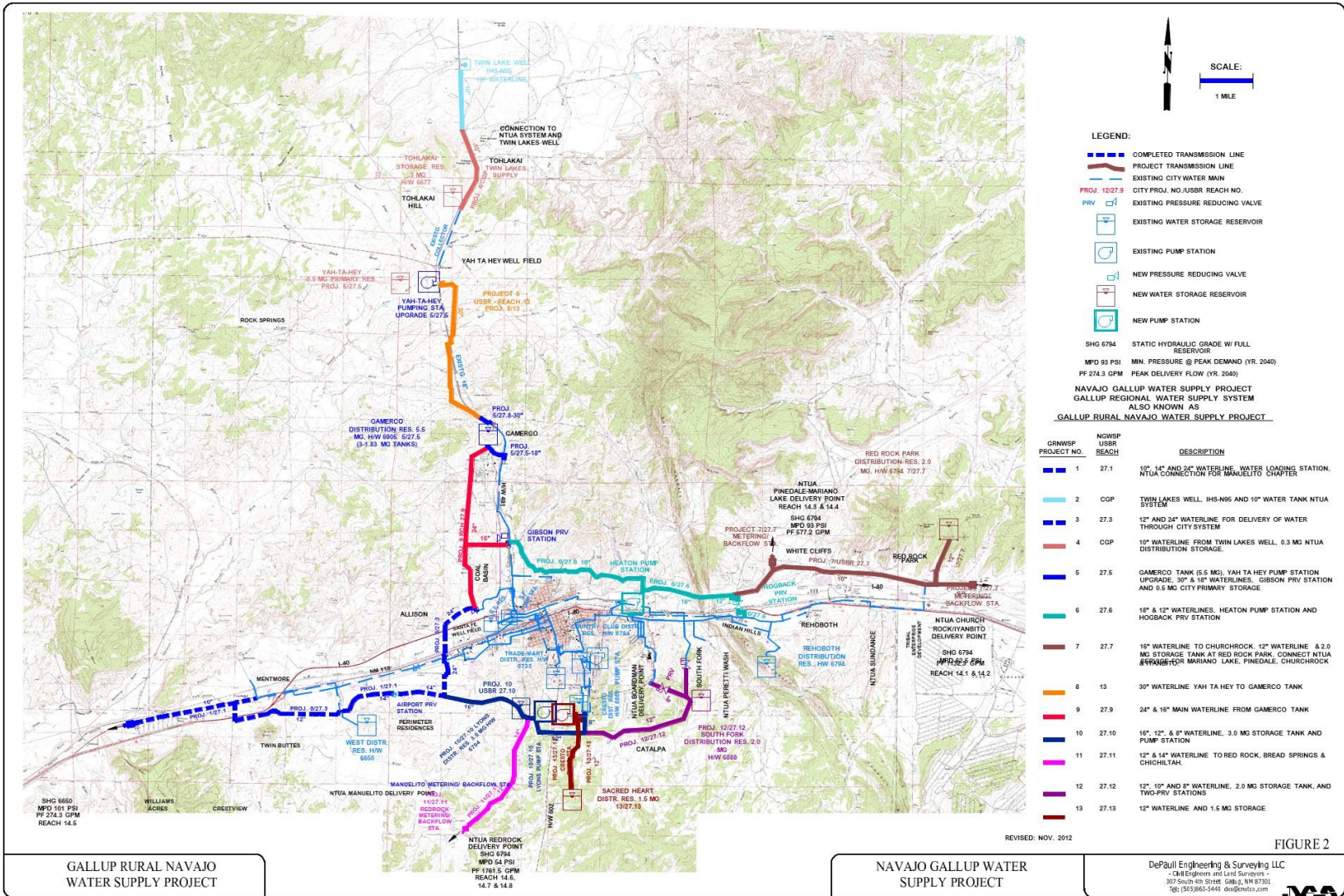


# 16. Revised Cutter & Crownpoint Laterals

- Getting the NGWSP water to the supply points of the NTUA systems.



# 17. Reaches 13 and 27



## 18. Lessons Learned or Snake Bit?

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The NGWSP was authorized at \$870M, based on an appraisal level estimate in 2007. This amount in 2021 dollars is \$1.348 billion. The Bureau of Reclamation now estimates a project shortfall of **~\$330M** based on a revised working cost estimate of \$1.705B (2021 \$).



# 19. It is about the People

