NORTH KINGS GROUNDWATER SUSTAINABILITY AGENCY

# North Kings Groundwater Sustainability Agency JPA

## Board Meeting

## November 15, 2018

- Pledge of Allegiance
- Board of Directors Formation
  - Sitting of Board Seats 3 and 7
- Review Agenda
- Review of Future Meetings
  - December meeting
- Public Presentations
  - 3 minutes max/person, 10 minutes max/subject
- Potential Conflicts of Interest

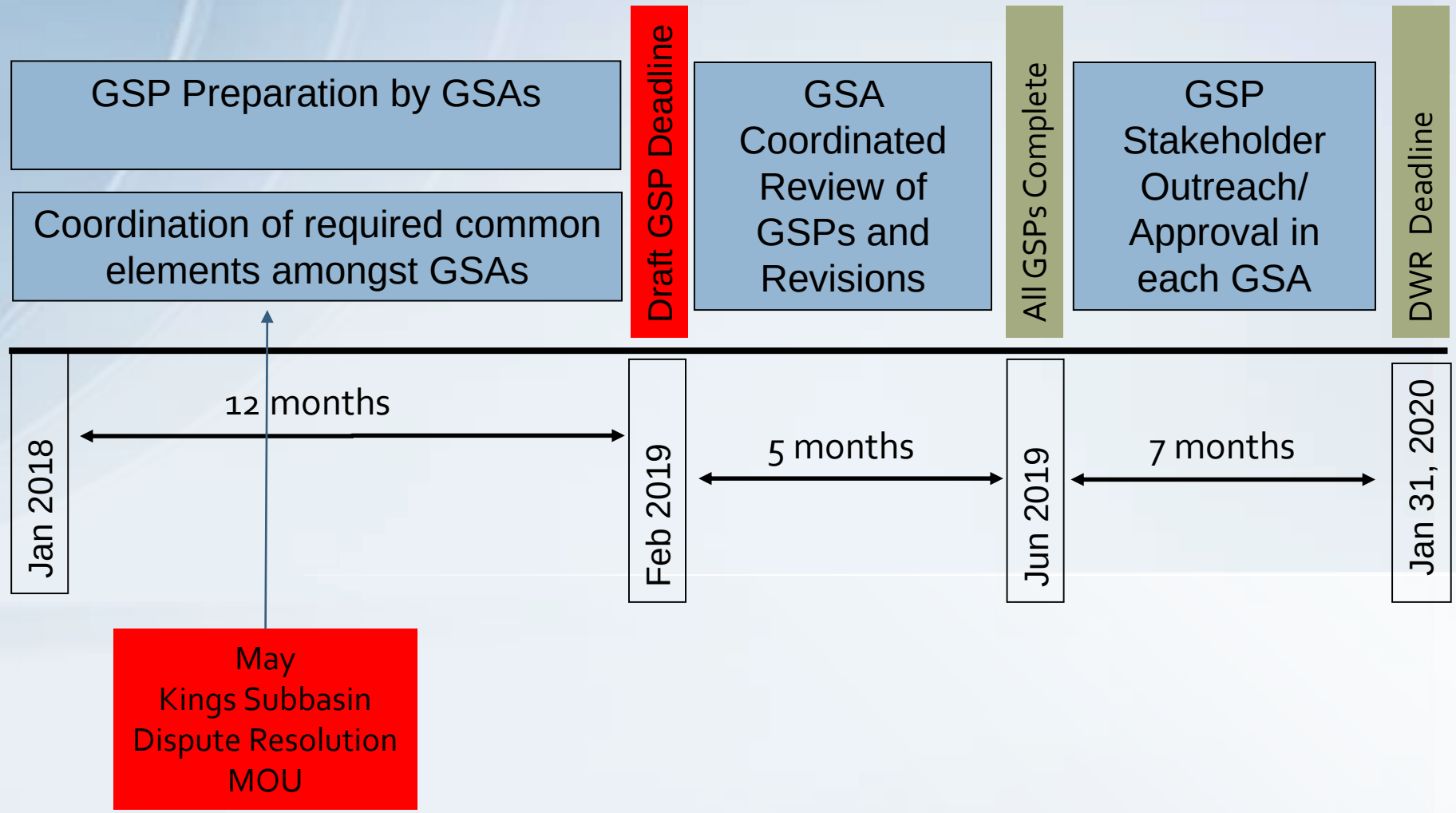
# 1. Administrative Matters

- 1.a – Approval of October 25, 2018 Regular Board Meeting Minutes
  - Action Item

- 1.b – Water Conditions Update
  - Millerton & Pine Flat remain steady
  - No FID entitlement yet for Kings River
  - NWS 3-month forecast
    - Avg to slightly wetter than avg, warm

# 1.c Timeline & Milestones

## GSPs and Coordination Schedule



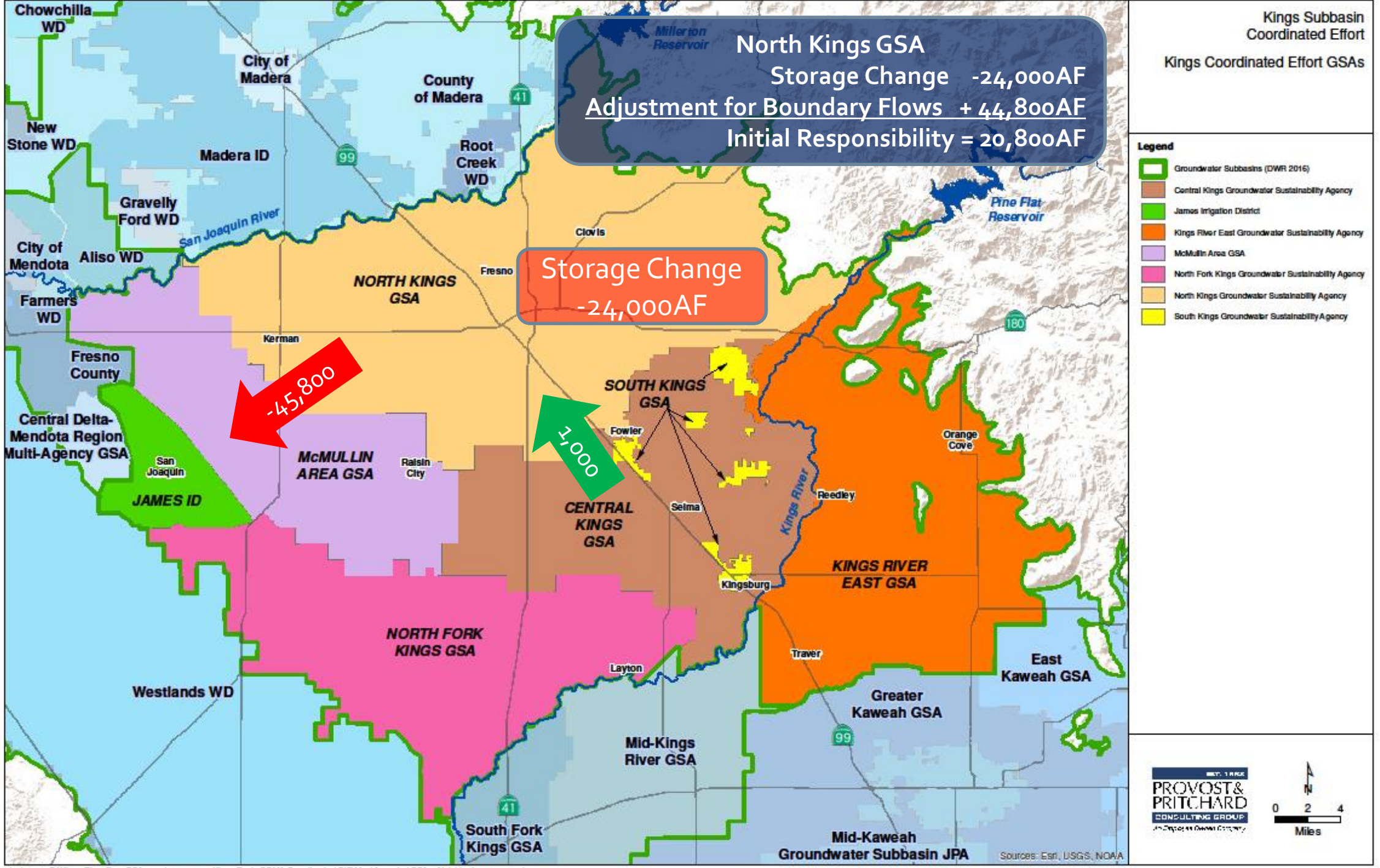
# 1.d - Kings Basin Coordination Update

- Draft Coordination Agreement framework
- Grant Agreement with DWR fully executed
- DWR Technical Support Services application awaiting approval
  - Plan to pursue monitor well construction
- Coordinated Tasks continue
  - Confined Aquifer Flows estimation
  - Data Management System
  - Coordinated Water Budget
  - Sustainable Management Criteria
- GW mitigation responsibility numbers gone to all GSA boards

| GSA | Proposed Initial Responsibility (AF) |
|---|---|
| Central/South | -7,100 |
| James | 16,700 |
| Kings River East | -11,000 |
| McMullin | -91,100 |
| North Fork | -50,300 |
| North Kings | 20,800 |
| Total | -122,000 |

Notes:

- Values shown for unconfined aquifer
- Values not adjusted for impacts from neighboring basins (exterior boundary flows)
- 20% contingency range recommended when considering projects/programs
- Initial values will be compared to water budget results and further updated in future years
- Consideration of James pumping in McMullin to be determined by James & McMullin


North Kings GSA
Storage Change -24,000AF
Adjustment for Boundary Flows + 44,800AF
Initial Responsibility = 20,800AF
Storage Change
-24,000AF
-45,800
1,000
Kings Subbasin
Coordinated Effort
Kings Coordinated Effort GSAs
Legend
Groundwater Subbasins (DWR 2016)
Central Kings Groundwater Sustainability Agency
James Irrigation District
Kings River East Groundwater Sustainability Agency
McMullin Area GSA
North Fork Kings Groundwater Sustainability Agency
North Kings Groundwater Sustainability Agency
South Kings Groundwater Sustainability Agency
Chowchilla WD
City of Madera
County of Madera
New Stone WD
Madera ID
Root Creek WD
Gravelly Ford WD
San Joaquin River
City of Mendota
Aliso WD
Farmers WD
Fresno
Clovis
NORTH KINGS GSA
Kerman
Fresno County
Central Delta-Mendota Region Multi-Agency GSA
San Joaquin
JAMES ID
McMULLIN AREA GSA
Raisin City
SOUTH KINGS GSA
Fowler
CENTRAL KINGS GSA
Selma
Kings River
Reedley
Orange Cove
KINGS RIVER EAST GSA
Kingsburg
NORTH FORK KINGS GSA
Layton
Traver
Westlands WD
Mid-Kings River GSA
Greater Kaweah GSA
East Kaweah GSA
South Fork Kings GSA
Mid-Kaweah Groundwater Subbasin JPA
Millerton Reservoir
Pine Flat Reservoir
99
41
180
Sources: Esri, USGS, NOAA
PROVOST& PRITCHARD CONSULTING GROUP
0 2 4
Miles
2/21/2018 : G:\Kings River East GSA-2664\266417001-Kings Basin SGMA Coordination\GIS\Map\Agencies\GSAs_Neighboring11x17.mxd

# 1. Administrative Matters (cont.)

- 1.e – Advisory Committee Update

  i. Technical Subcommittee Update
     - Chair: Adam Claes (FID)

# 1.e.i Technical Committee Update

- Water Budget development underway (in coordination w/ Kings)
  - Collecting data by groundwater pumping agency
- Evaluating GW conditions north & east of FID (water budget)
- Evaluating de Minimis pumping regulations
- Sub-Area development
  - Agencies expressed desire to track net impact by agency and be responsible for their own mitigation/sustainability
- Basin boundary modification (east side) – preliminarily accepted
- Sustainable management criteria

# 1. Administrative Matters (cont.)

- 1.e – Advisory Committee Update

ii. Administration/Fiscal Subcommittee
  - Chair: Lisa Koehn (Clovis*)
  - Developing concepts for funding NKGSA post-Jan 2020

iii. Membership, Outreach & Communications Subcommittee
  - Chair: Brandy Swisher (FMFCD)
  - Planning outreach event in December for County White Area north & east of FID.

## 4. Executive Officer Report

- Executive Officer Replacement - Update

## 5. Directors Report

## Closed Session

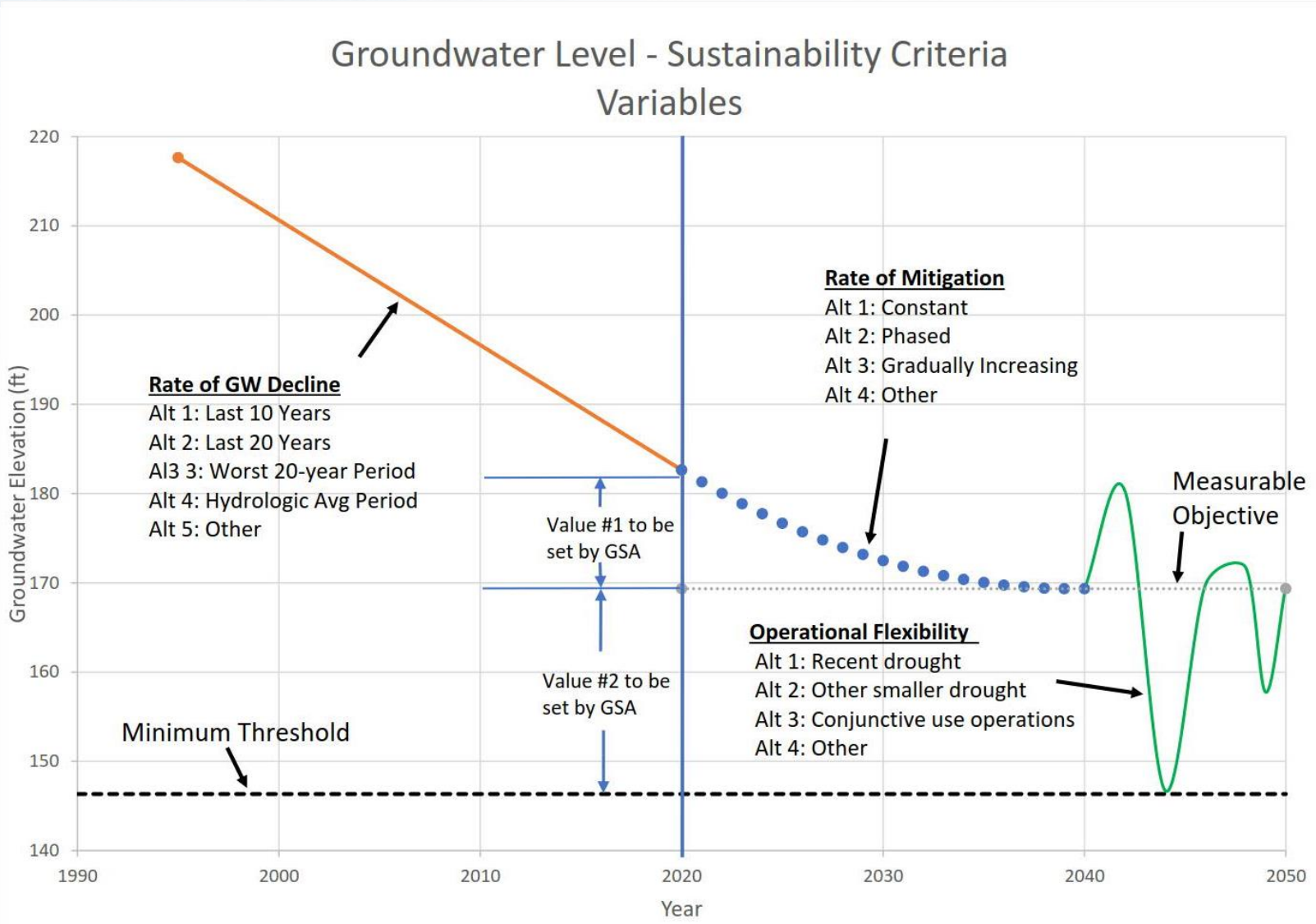
6. Report on Action Taken in Closed Session

7. Adjournment

# GSP Development

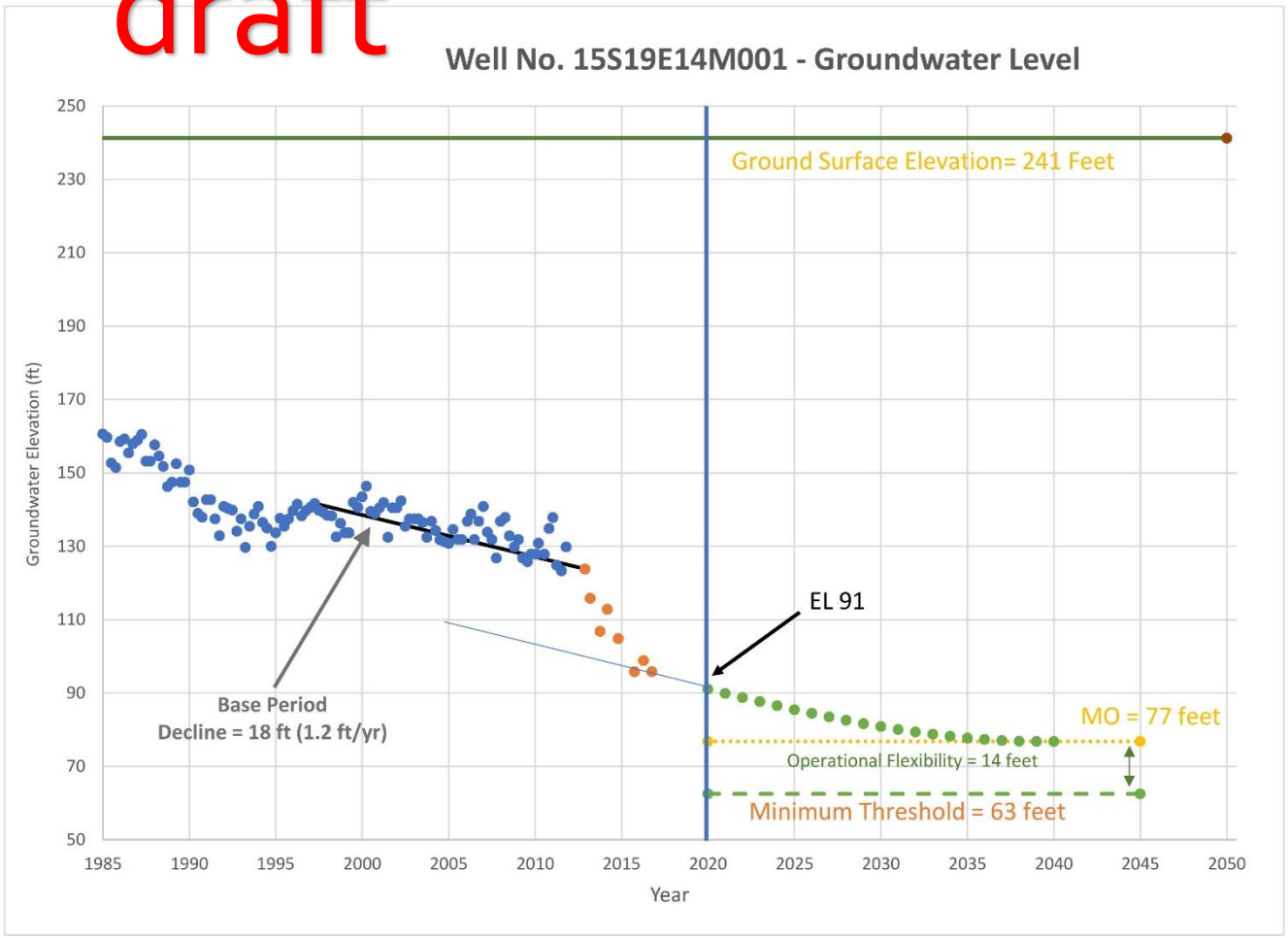
| GSP Section | Current Status | Future Work |
|---|---|---|
| 2- Plan Area | Revised Draft Complete. | Revise/update in future to be consistent with other sections. |
| 3.1 - Hydrogeologic Conceptual Model | Revised Draft Complete. | Revise/update in future to be consistent with other sections. |
| 3.2 – GW Conditions | Comments received. Revised Chapter almost complete. | Revise/update in future to be consistent with other sections. |
| 3.3 – Water Budget | Began researching water budget options | Started in June 2018 |
| 4 - Sustainable Management Criteria | Outline of Requirements, Draft criteria for water levels | Draft Chapter in Fall 2018 |
| 5 – Monitoring Network | Revised Draft Complete. | Revise/update in future to be consistent with other sections. |
| 6 – Projects and Actions | Not Initiated | Start in Fall 2018 |
| 7 – Plan Implementation | Not Initiated | Late 2018 |

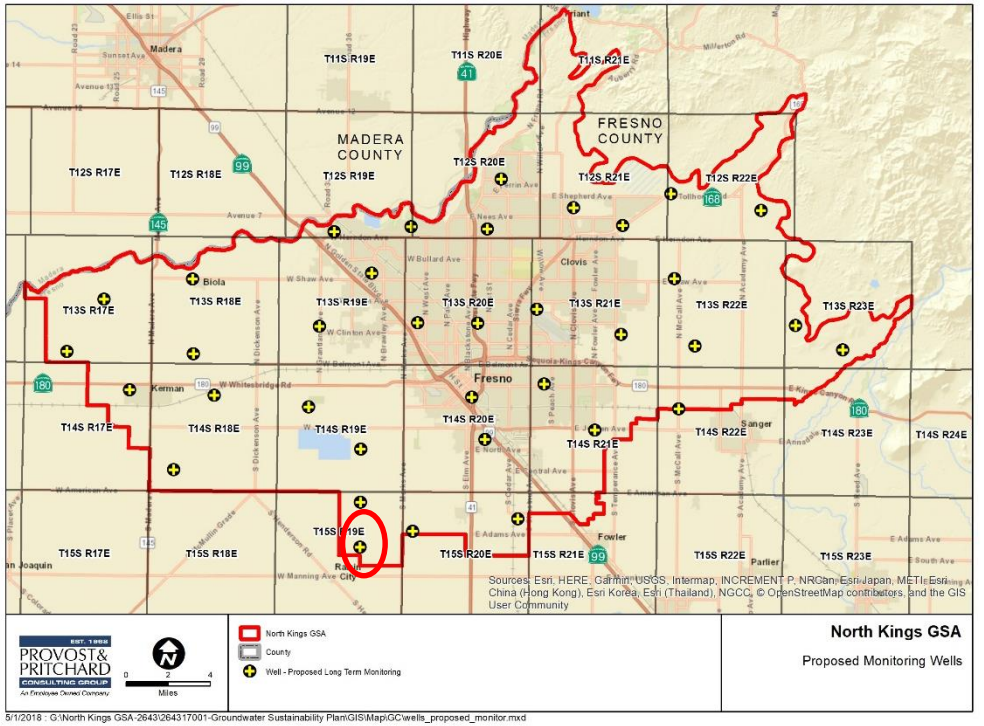
# SMC – Measurable Objective



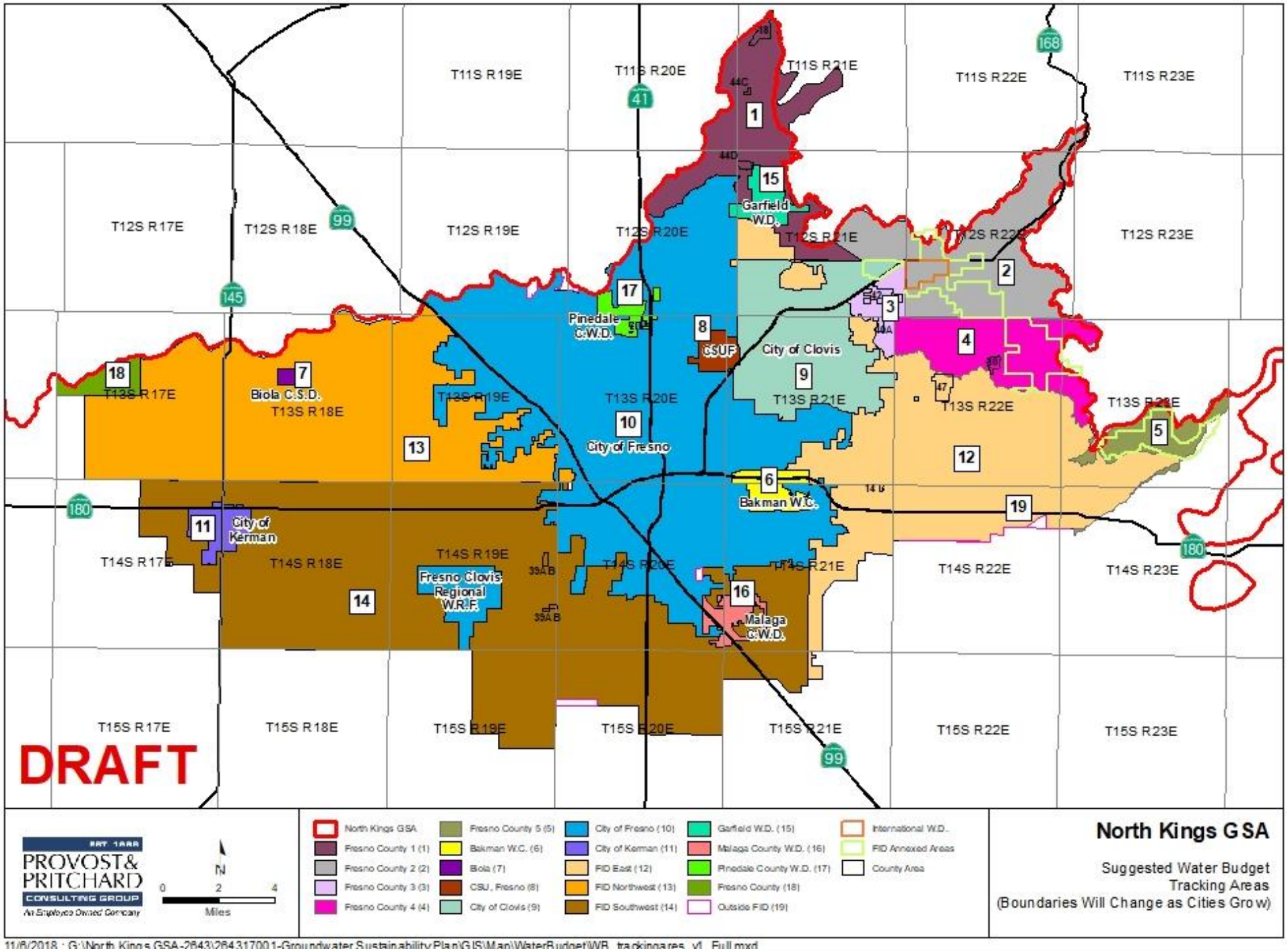
# Sustainable Management Criteria
# Water Level Setting

draft




Well Count: 12
Average Depth: 200 ft
Min Depth: 80 ft
Max Depth: 351 ft
2016 Depth to water: 145 ft

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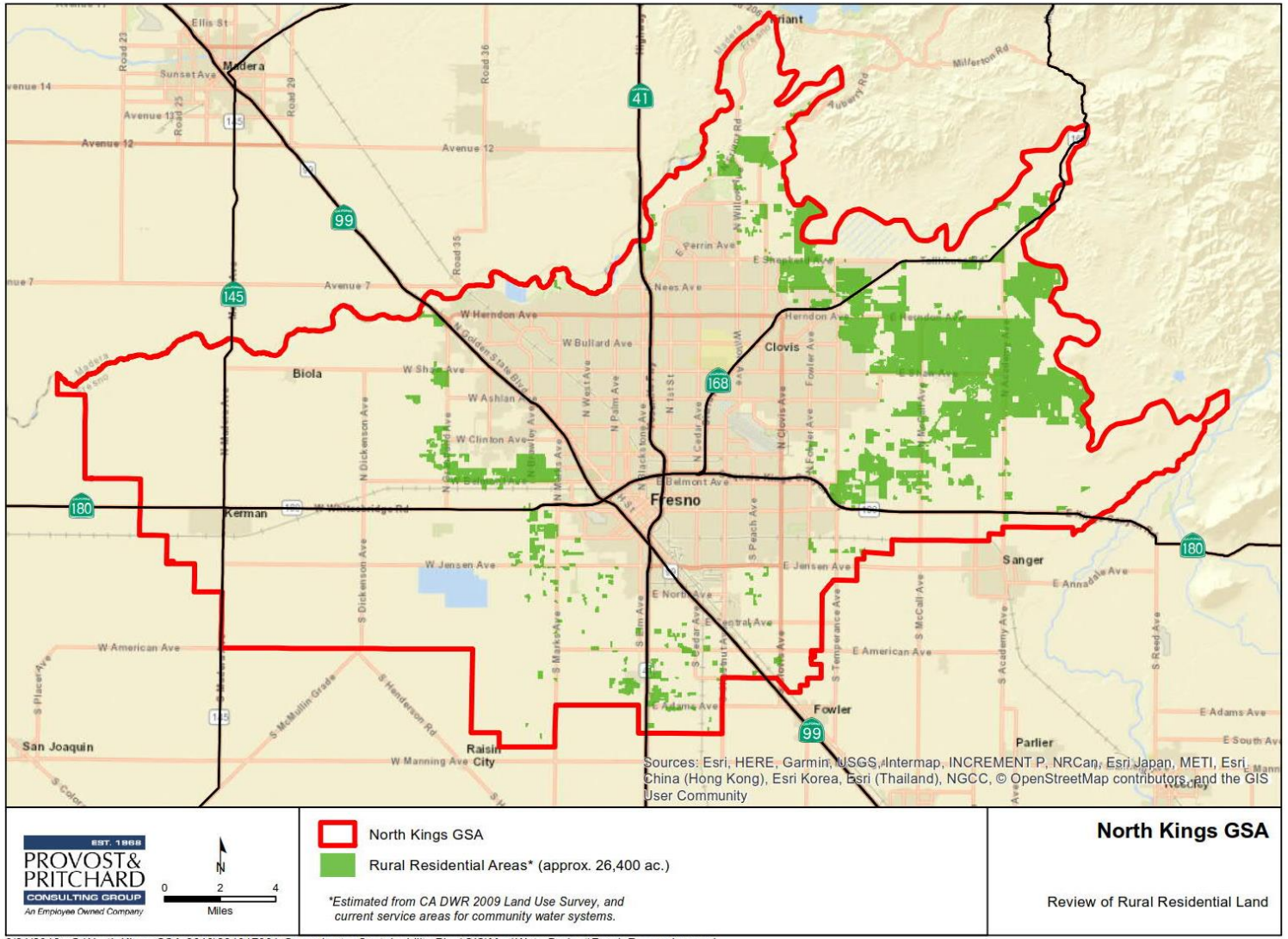
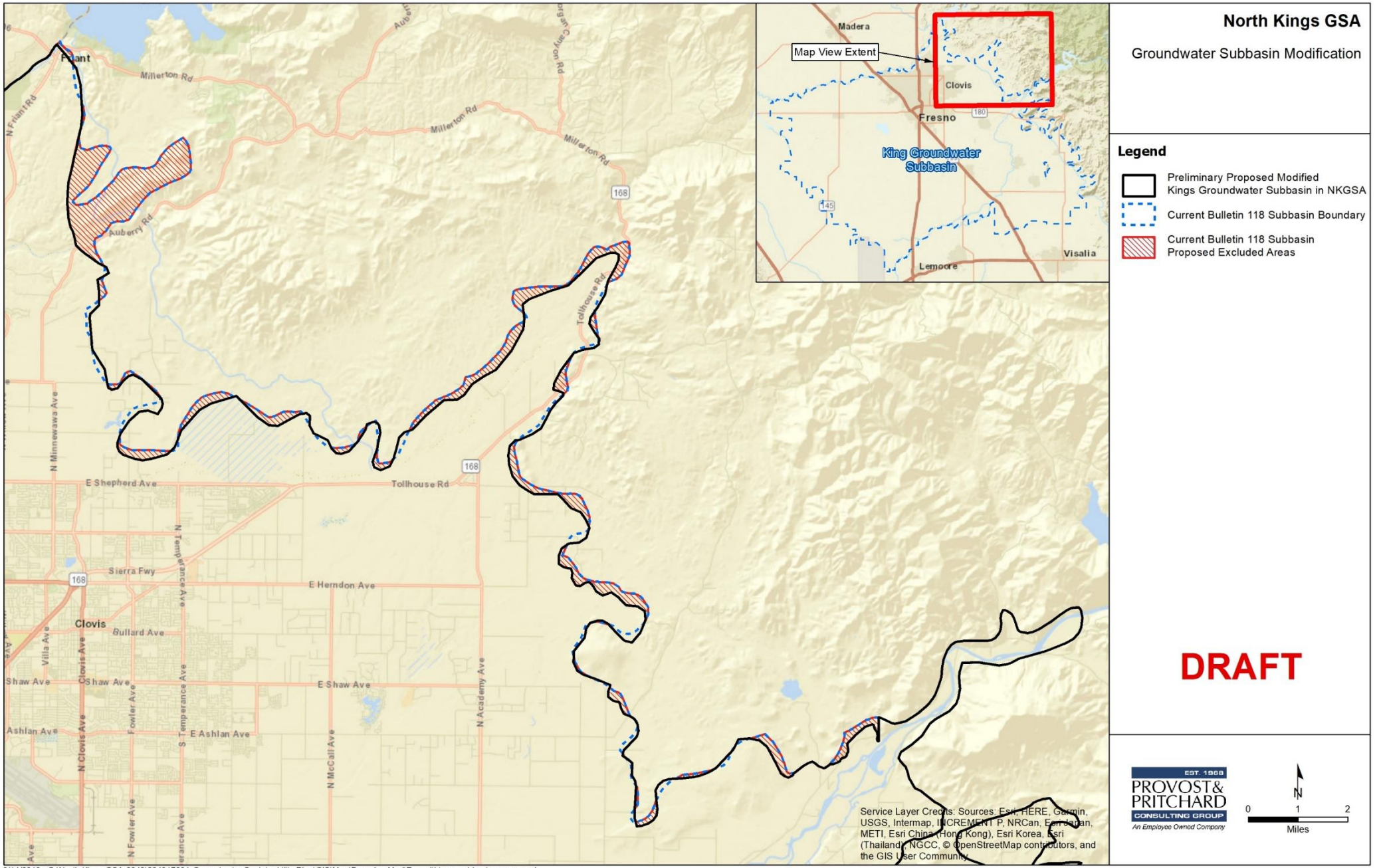
# RURAL RESIDENTIAL WATER USE




**Preliminary Analysis:**

**Median parcel size using 2 AF is 2.4 acres**

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