

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| BACKGROUND INFORMATION  |   |
|---|---|
| <b>Project Name:</b>  | Destruction of Abandoned Wells  |
| <b>Purpose of Project:</b>                                      | Water Quality Management  |
| <b>Project Type:</b>  | Project Update  |
| <b>Sponsoring Agency:</b>                                       | Fox Canyon Groundwater Management Agency  |
| <b>Groundwater Basin:</b>                                       | Oxnard Subbasin   |
| <b>Location:</b>  | Oxnard Plain  |
| <b>Project Description:</b>                                     | The project proposes identifying and destroying abandoned wells to reduce the cross-connection provided by wells screened across multiple aquifers. |
| <b>Implementation Trigger (if applicable):</b>                  | N/A   |
| Evaluation Criteria   | Response (Applicant to Complete)  |
| <b>Water Supply</b>   |   |
| Annual increase in Sustainable Yield (AFY):                     | N/A   |
| Annual increase in supplemental water in lieu of pumping (AFY): | N/A   |
| Groundwater demand reduction (AFY):                             | N/A   |
| Sustainability indicators addressed:                            | Groundwater Quality   |
| Project documentation included?                                 | Yes   |
| <b>Timing/Feasibility</b>                                       |   |
| <b>Project Implementation Timeframe</b>                         |   |
| Current Project status:   | Conceptual - no feasibility or design   |
| Estimated time to Project completion (years):                   | 5 to 10 years - depending on funding  |
| Timeline / feasibility documentation included?                  | No  |
| <b>Environmental</b>  |   |
| CEQA/NEPA type:   | Not Applicable  |
| Status of CEQA/NEPA review and permitting:                      | Not applicable  |
| Will the Project likely be permitted?                           | Yes   |
| Sensitivity of location:  | Depends on the wells identified, but all are located within current agricultural land.  |
| <b>Permitting</b>   |   |
| Permits required:   | Well destruction permit - County of Ventura   |
| Status / time required:   | 1 to 2 months   |
| Likelihood of Project being permitted:                          | High  |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| Project Complexity   |   |
|--|---|
| Does the Project use new technology:   | No  |
| Does the Project require land acquisition:   | No  |
| Status of the land acquisition process:  | Not required or all acquisitions and/or easements complete                            |
| Is the Project dependent on other unbuilt or unfunded projects:  | No  |
| Is the Project dependent on funded projects currently under construction:  | No  |
| Description of Operation and Maintenance (if applicable):  | N/A   |
| Project Lifespan   |   |
| What is the projected lifespan of the Project:   | Project duration ~5 to 10 years. Effects will be permanent.                           |
| Project Phasing  |   |
| <i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&amp;M) for each phase, as an attachment to this form.</i> |   |
| Does Project require multiple phases of construction?  | No  |
| No. of anticipated construction phases:  | N/A   |
| Description of phases:   | N/A   |
| Phasing timeline:  | N/A   |
| Total cost per phase:  | N/A   |
| Project phasing documentation attached?  | No  |
| Cost and Funding   |   |
| Total capital cost:  | \$1,200,000   |
| Total annual Operations & Maintenance (O&M) Cost:  | N/A   |
| Is the project Proponent providing a funding match to construct the project?   | To Be Determined  |
| Is there a funding source other than FCGMA for ongoing operation and maintenance costs?  | N/A   |
| Additional Benefits  |   |
| Does the project benefit disadvantaged or under-represented communities:   | Yes   |
| If yes, please describe the benefit(s):  | Improves water quality for the Subbasin, which includes underrepresented communities. |
| Project Proponent Contact Information  | Response (Applicant to Complete)  |
| Name:  | Kim Loeb  |
| Title:   | Groundwater Manager   |
| Organization:  | Fox Canyon Groundwater Management Agency  |
| Email:   | kim.loeb@ventura.org  |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

|        |              |
|--------|--------------|
| Phone: | 805-650-4083 |
| Date:  | 9/29/2023    |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| BACKGROUND INFORMATION  |  |
|---|--|
| <b>Project Name:</b>  | Seawater Intrusion Injection Barrier Feasibility Study   |
| <b>Purpose of Project:</b>                                      | Water Supply   |
| <b>Project Type:</b>  | Project Update   |
| <b>Sponsoring Agency:</b>                                       | Fox Canyon Groundwater Management Agency   |
| <b>Groundwater Basin:</b>                                       | Oxnard Subbasin  |
| <b>Location:</b>  | Saline Intrusion Management Area   |
| <b>Project Description:</b>                                     | Investigate installation of a network of injection wells to increase groundwater elevations at the coastline and reverse the landward migration of seawater. |
| <b>Implementation Trigger (if applicable):</b>                  | N/A  |
| Evaluation Criteria   | Response (Applicant to Complete)   |
| <b>Water Supply</b>   |  |
| Annual increase in Sustainable Yield (AFY):                     | Unknown; anticipated to exceed 5,000 AFY   |
| Annual increase in supplemental water in lieu of pumping (AFY): | N/A  |
| Groundwater demand reduction (AFY):                             | N/A  |
| Sustainability indicators addressed:                            | Seawater Intrusion   |
| Project documentation included?                                 | Yes  |
| <b>Timing/Feasibility</b>                                       |  |
| <b>Project Implementation Timeframe</b>                         |  |
| Current Project status:   | Conceptual - no feasibility or design  |
| Estimated time to Project completion (years):                   | May be operational by 2040 but uncertain.  |
| Timeline / feasibility documentation included?                  | No   |
| <b>Environmental</b>  |  |
| CEQA/NEPA type:   | Both CEQA/NEPA   |
| Status of CEQA/NEPA review and permitting:                      | Permit requirements not identified or unknown  |
| Will the Project likely be permitted?                           | Yes  |
| Sensitivity of location:  | This will depend on the final design.  |
| <b>Permitting</b>   |  |
| Permits required:   | None required for feasibility study. Exact set of permits for the project has not yet been identified.   |
| Status / time required:   | Unknown; Permit timing anticipated to be 1 to 2 yrs.   |
| Likelihood of Project being permitted:                          | Medium   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| Project Complexity   |  |
|--|--|
| Does the Project use new technology:   | No   |
| Does the Project require land acquisition:   | Yes  |
| Status of the land acquisition process:  | Required, not started and/or potential eminent domain  |
| Is the Project dependent on other unbuilt or unfunded projects:  | No   |
| Is the Project dependent on funded projects currently under construction:  | No   |
| Description of Operation and Maintenance (if applicable):  | Specifics of the operations and maintenance requirements have not yet been determined, but O&M will be required. |
| Project Lifespan   |  |
| What is the projected lifespan of the Project:   | 50 years   |
| Project Phasing  |  |
| <i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&amp;M) for each phase, as an attachment to this form.</i> |  |
| Does Project require multiple phases of construction?  | Yes  |
| No. of anticipated construction phases:  | To Be Determined   |
| Description of phases:   | To Be Determined   |
| Phasing timeline:  | To Be Determined   |
| Total cost per phase:  | To Be Determined   |
| Project phasing documentation attached?  | No   |
| Cost and Funding   |  |
| Total capital cost:  | Feasibility Study \$200,000; Capital Cost > \$20,000,000   |
| Total annual Operations & Maintenance (O&M) Cost:  | To Be Determined   |
| Is the project Proponent providing a funding match to construct the project?   | To Be Determined   |
| Is there a funding source other than FCGMA for ongoing operation and maintenance costs?  | To Be Determined   |
| Additional Benefits  |  |
| Does the project benefit disadvantaged or under-represented communities:   | Yes  |
| If yes, please describe the benefit(s):  | Improves groundwater supply reliability in the Subbasin, which includes underrepresented communities.            |
| Project Proponent Contact Information  | Response (Applicant to Complete)   |
| Name:  | Kim Loeb   |
| Title:   | Groundwater Manager  |
| Organization:  | Fox Canyon Groundwater Management Agency   |
| Email:   | kim.loeb@ventura.org   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

|        |              |
|--------|--------------|
| Phone: | 805-650-4083 |
| Date:  | 9/29/2023    |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| BACKGROUND INFORMATION  |  |
|---|--|
| <b>Project Name:</b>  | Installation of Transducers in Groundwater Monitoring Wells  |
| <b>Purpose of Project:</b>                                      | Data Gaps  |
| <b>Project Type:</b>  | Project Update   |
| <b>Sponsoring Agency:</b>                                       | Fox Canyon Groundwater Management Agency   |
| <b>Groundwater Basin:</b>                                       | Oxnard Subbasin  |
| <b>Location:</b>  | Wells on the Oxnard Plain  |
| <b>Project Description:</b>                                     | The project proposes installing transducers in key wells to address data gaps that impact uncertainty in water management identified in the GSP. |
| <b>Implementation Trigger (if applicable):</b>                  | N/A  |
| Evaluation Criteria   | Response (Applicant to Complete)   |
| <b>Water Supply</b>   |  |
| Annual increase in Sustainable Yield (AFY):                     | N/A  |
| Annual increase in supplemental water in lieu of pumping (AFY): | N/A  |
| Groundwater demand reduction (AFY):                             | N/A  |
| Sustainability indicators addressed:                            | Groundwater Levels, Groundwater in Storage, Seawater Intrusion, Groundwater Quality, Subsidence  |
| Project documentation included?                                 | Yes  |
| <b>Timing/Feasibility</b>                                       |  |
| <b>Project Implementation Timeframe</b>                         |  |
| Current Project status:   | Conceptual - no feasibility or design  |
| Estimated time to Project completion (years):                   | 2 years, depending on funding  |
| Timeline / feasibility documentation included?                  | No   |
| <b>Environmental</b>  |  |
| CEQA/NEPA type:   | Not Applicable   |
| Status of CEQA/NEPA review and permitting:                      | Not applicable   |
| Will the Project likely be permitted?                           | Yes  |
| Sensitivity of location:  | Low - located on existing agricultural or developed land.  |
| <b>Permitting</b>   |  |
| Permits required:   | None   |
| Status / time required:   | N/A  |
| Likelihood of Project being permitted:                          | High   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| Project Complexity   |  |
|--|--|
| Does the Project use new technology:   | No   |
| Does the Project require land acquisition:   | No   |
| Status of the land acquisition process:  | Not required or all acquisitions and/or easements complete   |
| Is the Project dependent on other unbuilt or unfunded projects:  | No   |
| Is the Project dependent on funded projects currently under construction:  | No   |
| Description of Operation and Maintenance (if applicable):  | Cables and connections will need to be checked at every download. Transducers will require periodic replacement. |
| Project Lifespan   |  |
| What is the projected lifespan of the Project:   | 30 years, or until better technology is available.   |
| Project Phasing  |  |
| <i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&amp;M) for each phase, as an attachment to this form.</i> |  |
| Does Project require multiple phases of construction?  | No   |
| No. of anticipated construction phases:  | N/A  |
| Description of phases:   | N/A  |
| Phasing timeline:  | N/A  |
| Total cost per phase:  | N/A  |
| Project phasing documentation attached?  | No   |
| Cost and Funding   |  |
| Total capital cost:  | \$192,000 (for 9 transducers)  |
| Total annual Operations & Maintenance (O&M) Cost:  | \$7,000 (for 9 transducers)  |
| Is the project Proponent providing a funding match to construct the project?   | To Be Determined   |
| Is there a funding source other than FCGMA for ongoing operation and maintenance costs?  | N/A  |
| Additional Benefits  |  |
| Does the project benefit disadvantaged or under-represented communities:   | Yes  |
| If yes, please describe the benefit(s):  | Improves groundwater management in the Subbasin, which includes underrepresented communities.                    |
| Project Proponent Contact Information  | Response (Applicant to Complete)   |
| Name:  | Kim Loeb   |
| Title:   | Groundwater Manager  |
| Organization:  | Fox Canyon Groundwater Management Agency   |
| Email:   | kim.loeb@ventura.org   |



# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

|        |              |
|--------|--------------|
| Phone: | 805-650-4083 |
| Date:  | 9/29/2023    |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| BACKGROUND INFORMATION  |  |
|---|--|
| <b>Project Name:</b>  | Installation of Transducers in Groundwater Monitoring Wells  |
| <b>Purpose of Project:</b>                                      | Data Gaps  |
| <b>Project Type:</b>  | Project Update   |
| <b>Sponsoring Agency:</b>                                       | Fox Canyon Groundwater Management Agency   |
| <b>Groundwater Basin:</b>                                       | Pleasant Valley Basin  |
| <b>Location:</b>  | Key wells in the Pleasant Valley Basin   |
| <b>Project Description:</b>                                     | The project proposes installing transducers in key wells to address data gaps that impact uncertainty in water management identified in the GSP. |
| <b>Implementation Trigger (if applicable):</b>                  | N/A  |
| Evaluation Criteria   | Response (Applicant to Complete)   |
| <b>Water Supply</b>   |  |
| Annual increase in Sustainable Yield (AFY):                     | N/A  |
| Annual increase in supplemental water in lieu of pumping (AFY): | N/A  |
| Groundwater demand reduction (AFY):                             | N/A  |
| Sustainability indicators addressed:                            | Groundwater Levels, Groundwater in Storage, Groundwater Quality, Subsidence  |
| Project documentation included?                                 | Yes  |
| <b>Timing/Feasibility</b>                                       |  |
| <b>Project Implementation Timeframe</b>                         |  |
| Current Project status:   | Conceptual - no feasibility or design  |
| Estimated time to Project completion (years):                   | 2 years, depending on funding  |
| Timeline / feasibility documentation included?                  | No   |
| <b>Environmental</b>  |  |
| CEQA/NEPA type:   | Not Applicable   |
| Status of CEQA/NEPA review and permitting:                      | Not applicable   |
| Will the Project likely be permitted?                           | Yes  |
| Sensitivity of location:  | Low - located on existing agricultural or developed land.  |
| <b>Permitting</b>   |  |
| Permits required:   | None   |
| Status / time required:   | N/A  |
| Likelihood of Project being permitted:                          | High   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| Project Complexity   |  |
|--|--|
| Does the Project use new technology:   | No   |
| Does the Project require land acquisition:   | No   |
| Status of the land acquisition process:  | Not required or all acquisitions and/or easements complete   |
| Is the Project dependent on other unbuilt or unfunded projects:  | No   |
| Is the Project dependent on funded projects currently under construction:  | No   |
| Description of Operation and Maintenance (if applicable):  | Cables and connections will need to be checked at every download. Transducers will require periodic replacement. |
| Project Lifespan   |  |
| What is the projected lifespan of the Project:   | 30 years, or until better technology is available.   |
| Project Phasing  |  |
| <i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&amp;M) for each phase, as an attachment to this form.</i> |  |
| Does Project require multiple phases of construction?  | No   |
| No. of anticipated construction phases:  | N/A  |
| Description of phases:   | N/A  |
| Phasing timeline:  | N/A  |
| Total cost per phase:  | N/A  |
| Project phasing documentation attached?  | No   |
| Cost and Funding   |  |
| Total capital cost:  | \$148,000 (for 7 transducers)  |
| Total annual Operations & Maintenance (O&M) Cost:  | \$6,000 (for 7 transducers)  |
| Is the project Proponent providing a funding match to construct the project?   | To Be Determined   |
| Is there a funding source other than FCGMA for ongoing operation and maintenance costs?  | N/A  |
| Additional Benefits  |  |
| Does the project benefit disadvantaged or under-represented communities:   | Yes  |
| If yes, please describe the benefit(s):  | Improves groundwater management in the basin, which includes underrepresented communities.                       |
| Project Proponent Contact Information  | Response (Applicant to Complete)   |
| Name:  | Kim Loeb   |
| Title:   | Groundwater Manager  |
| Organization:  | Fox Canyon Groundwater Management Agency   |
| Email:   | kim.loeb@ventura.org   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

|        |              |
|--------|--------------|
| Phone: | 805-650-4083 |
| Date:  | 9/29/2023    |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| BACKGROUND INFORMATION  |   |
|---|---|
| <b>Project Name:</b>  | Installation of Dedicated Groundwater Monitoring Wells  |
| <b>Purpose of Project:</b>                                      | Data Gaps   |
| <b>Project Type:</b>  | Project Update  |
| <b>Sponsoring Agency:</b>                                       | Fox Canyon Groundwater Management Agency  |
| <b>Groundwater Basin:</b>                                       | Las Posas Valley Basin  |
| <b>Location:</b>  | Key wells in the Las Posas Valley Basin   |
| <b>Project Description:</b>                                     | The project proposes installing multi-depth monitoring wells to reduce a source of uncertainty in groundwater management identified in the GSP. |
| <b>Implementation Trigger (if applicable):</b>                  | N/A   |
| Evaluation Criteria   | Response (Applicant to Complete)  |
| <b>Water Supply</b>   |   |
| Annual increase in Sustainable Yield (AFY):                     | N/A   |
| Annual increase in supplemental water in lieu of pumping (AFY): | N/A   |
| Groundwater demand reduction (AFY):                             | N/A   |
| Sustainability indicators addressed:                            | Groundwater Levels, Groundwater in Storage, Groundwater Quality, Subsidence, ISW  |
| Project documentation included?                                 | Yes   |
| <b>Timing/Feasibility</b>                                       |   |
| <b>Project Implementation Timeframe</b>                         |   |
| Current Project status:   | Conceptual - no feasibility or design   |
| Estimated time to Project completion (years):                   | 2 years, depending on funding   |
| Timeline / feasibility documentation included?                  | No  |
| <b>Environmental</b>  |   |
| CEQA/NEPA type:   | Not Applicable  |
| Status of CEQA/NEPA review and permitting:                      | Not applicable  |
| Will the Project likely be permitted?                           | Yes   |
| Sensitivity of location:  | Low - can be located to avoid high sensitivity areas.   |
| <b>Permitting</b>   |   |
| Permits required:   | Well installation permit- Ventura County  |
| Status / time required:   | Permit can be obtained within weeks of application.   |
| Likelihood of Project being permitted:                          | High  |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| Project Complexity   |  |
|--|--|
| Does the Project use new technology:   | No   |
| Does the Project require land acquisition:   | No   |
| Status of the land acquisition process:  | Not required or all acquisitions and/or easements complete                   |
| Is the Project dependent on other unbuilt or unfunded projects:  | No   |
| Is the Project dependent on funded projects currently under construction:  | No   |
| Description of Operation and Maintenance (if applicable):  | Monitoring wells should not require O&M.                                     |
| Project Lifespan   |  |
| What is the projected lifespan of the Project:   | Well installation over 2 to 3 years; Project to last > 30 years              |
| Project Phasing  |  |
| <i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&amp;M) for each phase, as an attachment to this form.</i> |  |
| Does Project require multiple phases of construction?  | Yes  |
| No. of anticipated construction phases:  | 2 to 3 depending on funding  |
| Description of phases:   | Wells can be installed in phases depending on how much funding is available. |
| Phasing timeline:  | 2 to 3 years depending on funding  |
| Total cost per phase:  | Will depend on the number of wells installed in each phase.                  |
| Project phasing documentation attached?  | No   |
| Cost and Funding   |  |
| Total capital cost:  | \$1,020,000 per well   |
| Total annual Operations & Maintenance (O&M) Cost:  | N/A  |
| Is the project Proponent providing a funding match to construct the project?   | To Be Determined   |
| Is there a funding source other than FCGMA for ongoing operation and maintenance costs?  | N/A  |
| Additional Benefits  |  |
| Does the project benefit disadvantaged or under-represented communities:   | No   |
| If yes, please describe the benefit(s):  |  |
| Project Proponent Contact Information  | Response (Applicant to Complete)   |
| Name:  | Kim Loeb   |
| Title:   | Groundwater Manager  |
| Organization:  | Fox Canyon Groundwater Management Agency                                     |
| Email:   | kim.loeb@ventura.org   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

|        |              |
|--------|--------------|
| Phone: | 805-650-4083 |
| Date:  | 9/29/2023    |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| BACKGROUND INFORMATION  |  |
|---|--|
| <b>Project Name:</b>  | Installation of Transducers in Groundwater Monitoring Wells  |
| <b>Purpose of Project:</b>                                      | Data Gaps  |
| <b>Project Type:</b>  | Project Update   |
| <b>Sponsoring Agency:</b>                                       | Fox Canyon Groundwater Management Agency   |
| <b>Groundwater Basin:</b>                                       | Las Posas Valley Basin   |
| <b>Location:</b>  | Key wells in the Las Posas Valley Basin  |
| <b>Project Description:</b>                                     | The project proposes installing transducers in key wells to address data gaps that impact uncertainty in water management identified in the GSP. |
| <b>Implementation Trigger (if applicable):</b>                  | N/A  |
| Evaluation Criteria   | Response (Applicant to Complete)   |
| <b>Water Supply</b>   |  |
| Annual increase in Sustainable Yield (AFY):                     | N/A  |
| Annual increase in supplemental water in lieu of pumping (AFY): | N/A  |
| Groundwater demand reduction (AFY):                             | N/A  |
| Sustainability indicators addressed:                            | Groundwater Levels, Groundwater in Storage, Groundwater Quality, Subsidence  |
| Project documentation included?                                 | Yes  |
| <b>Timing/Feasibility</b>                                       |  |
| <b>Project Implementation Timeframe</b>                         |  |
| Current Project status:   | Conceptual - no feasibility or design  |
| Estimated time to Project completion (years):                   | 2 years, depending on funding  |
| Timeline / feasibility documentation included?                  | No   |
| <b>Environmental</b>  |  |
| CEQA/NEPA type:   | Not Applicable   |
| Status of CEQA/NEPA review and permitting:                      | Not applicable   |
| Will the Project likely be permitted?                           | Yes  |
| Sensitivity of location:  | Low - located on existing agricultural or developed land.  |
| <b>Permitting</b>   |  |
| Permits required:   | None   |
| Status / time required:   | Not Applicable   |
| Likelihood of Project being permitted:                          | High   |



# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| Project Complexity   |  |
|--|--|
| Does the Project use new technology:   | No   |
| Does the Project require land acquisition:   | No   |
| Status of the land acquisition process:  | Not required or all acquisitions and/or easements complete   |
| Is the Project dependent on other unbuilt or unfunded projects:  | No   |
| Is the Project dependent on funded projects currently under construction:  | No   |
| Description of Operation and Maintenance (if applicable):  | Cables and connections will need to be checked at every download. Transducers will require periodic replacement. |
| Project Lifespan   |  |
| What is the projected lifespan of the Project:   | 30 years, or until better technology is available.   |
| Project Phasing  |  |
| <i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&amp;M) for each phase, as an attachment to this form.</i> |  |
| Does Project require multiple phases of construction?  | No   |
| No. of anticipated construction phases:  | Not Applicable   |
| Description of phases:   | Not Applicable   |
| Phasing timeline:  | Not Applicable   |
| Total cost per phase:  | Not Applicable   |
| Project phasing documentation attached?  | No   |
| Cost and Funding   |  |
| Total capital cost:  | \$235,000 (for 11 transducers)   |
| Total annual Operations & Maintenance (O&M) Cost:  | \$8,600 (for 11 transducers)   |
| Is the project Proponent providing a funding match to construct the project?   | To Be Determined   |
| Is there a funding source other than FCGMA for ongoing operation and maintenance costs?  | Not Applicable   |
| Additional Benefits  |  |
| Does the project benefit disadvantaged or under-represented communities:   | No   |
| If yes, please describe the benefit(s):  |  |
| Project Proponent Contact Information  |  |
| Response (Applicant to Complete)   |  |
| Name:  | Kim Loeb   |
| Title:   | Groundwater Manager  |
| Organization:  | Fox Canyon Groundwater Management Agency   |
| Email:   | kim.loeb@ventura.org   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

|        |              |
|--------|--------------|
| Phone: | 805-650-4083 |
| Date:  | 9/29/2023    |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| BACKGROUND INFORMATION  |  |
|---|--|
| <b>Project Name:</b>  | Feasibility Study for Supplemental Water Sources in Northern ELPMA   |
| <b>Purpose of Project:</b>                                      | Water Supply   |
| <b>Project Type:</b>  | Project Update   |
| <b>Sponsoring Agency:</b>                                       | Fox Canyon Groundwater Management Agency   |
| <b>Groundwater Basin:</b>                                       | Las Posas Valley Basin   |
| <b>Location:</b>  | Northern East Las Posas Management Area  |
| <b>Project Description:</b>                                     | The project proposes to investigate the feasibility of providing supplemental water supplies to the northern ELPMA where groundwater elevations are declining. |
| <b>Implementation Trigger (if applicable):</b>                  | Not Applicable   |
| Evaluation Criteria   | Response (Applicant to Complete)   |
| <b>Water Supply</b>   |  |
| Annual increase in Sustainable Yield (AFY):                     | N/A  |
| Annual increase in supplemental water in lieu of pumping (AFY): | N/A  |
| Groundwater demand reduction (AFY):                             | N/A  |
| Sustainability indicators addressed:                            | Groundwater Levels, Groundwater in Storage, Groundwater Quality, Subsidence  |
| Project documentation included?                                 | Yes  |
| <b>Timing/Feasibility</b>                                       |  |
| <b>Project Implementation Timeframe</b>                         |  |
| Current Project status:   | Conceptual - no feasibility or design  |
| Estimated time to Project completion (years):                   | Greater than 5 years, depending on funding   |
| Timeline / feasibility documentation included?                  | No   |
| <b>Environmental</b>  |  |
| CEQA/NEPA type:   | Not Applicable   |
| Status of CEQA/NEPA review and permitting:                      | Not applicable   |
| Will the Project likely be permitted?                           | Yes  |
| Sensitivity of location:  | N/A  |
| <b>Permitting</b>   |  |
| Permits required:   | N/A  |
| Status / time required:   | N/A  |
| Likelihood of Project being permitted:                          | High   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| Project Complexity   |  |
|--|--|
| Does the Project use new technology:   | No   |
| Does the Project require land acquisition:   | No   |
| Status of the land acquisition process:  | Not required or all acquisitions and/or easements complete |
| Is the Project dependent on other unbuilt or unfunded projects:  | No   |
| Is the Project dependent on funded projects currently under construction:  | No   |
| Description of Operation and Maintenance (if applicable):  | No O&M required for feasibility study                      |
| Project Lifespan   |  |
| What is the projected lifespan of the Project:   | FS will take 1 year (after funding); Project lifespan TBD  |
| Project Phasing  |  |
| <i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&amp;M) for each phase, as an attachment to this form.</i> |  |
| Does Project require multiple phases of construction?  | No   |
| No. of anticipated construction phases:  | N/A  |
| Description of phases:   | N/A  |
| Phasing timeline:  | N/A  |
| Total cost per phase:  | N/A  |
| Project phasing documentation attached?  | No   |
| Cost and Funding   |  |
| Total capital cost:  | \$120,000 (for the feasibility study); Project cost TBD    |
| Total annual Operations & Maintenance (O&M) Cost:  | N/A  |
| Is the project Proponent providing a funding match to construct the project?   | To Be Determined   |
| Is there a funding source other than FCGMA for ongoing operation and maintenance costs?  | N/A  |
| Additional Benefits  |  |
| Does the project benefit disadvantaged or under-represented communities:   | No   |
| If yes, please describe the benefit(s):  |  |
| Project Proponent Contact Information  | Response (Applicant to Complete)                           |
| Name:  | Kim Loeb   |
| Title:   | Groundwater Manager  |
| Organization:  | Fox Canyon Groundwater Management Agency                   |
| Email:   | kim.loeb@ventura.org                                       |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

|        |              |
|--------|--------------|
| Phone: | 805-650-4083 |
| Date:  | 9/29/2023    |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| BACKGROUND INFORMATION  |   |
|---|---|
| <b>Project Name:</b>  | East La Loma Basin  |
| <b>Purpose of Project:</b>                                      | Water Supply  |
| <b>Project Type:</b>  | New Project   |
| <b>Sponsoring Agency:</b>                                       | None, Private Owner                                       |
| <b>Groundwater Basin:</b>                                       | Las Posas Valley  |
| <b>Location:</b>  | 2055 E. La Loma Ave, APN: 110-0-010-195                   |
| <b>Project Description:</b>                                     | Creation of an infiltration basin to recharge groundwater |
| <b>Implementation Trigger (if applicable):</b>                  | N/A   |
| Evaluation Criteria   | Response (Applicant to Complete)                          |
| <b>Water Supply</b>   |   |
| Annual increase in Sustainable Yield (AFY):                     | 39  |
| Annual increase in supplemental water in lieu of pumping (AFY): | (Please fill in)  |
| Groundwater demand reduction (AFY):                             | (Please fill in)  |
| Sustainability indicators addressed:                            | (Please fill in)  |
| Project documentation included?                                 | Yes   |
| <b>Timing/Feasibility</b>                                       |   |
| <b>Project Implementation Timeframe</b>                         |   |
| Current Project status:   | Feasibility Study in progress                             |
| Estimated time to Project completion (years):                   | <5 years  |
| Timeline / feasibility documentation included?                  | No  |
| <b>Environmental</b>  |   |
| CEQA/NEPA type:   | CEQA  |
| Status of CEQA/NEPA review and permitting:                      | Permit requirements not identified or unknown             |
| Will the Project likely be permitted?                           | Yes   |
| Sensitivity of location:  | Not near sensitive locations                              |
| <b>Permitting</b>   |   |
| Permits required:   | Grading Permit  |
| Status / time required:   | 6 months  |
| Likelihood of Project being permitted:                          | High  |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| Project Complexity   |   |
|--|---|
| Does the Project use new technology:   | No  |
| Does the Project require land acquisition:   | No  |
| Status of the land acquisition process:  | (Please select one)   |
| Is the Project dependent on other unbuilt or unfunded projects:  | No  |
| Is the Project dependent on funded projects currently under construction:  | No  |
| Description of Operation and Maintenance (if applicable):  | Weed removal, trash and debris removal, inspection for drain time and mosquito breeding |
| Project Lifespan   |   |
| What is the projected lifespan of the Project:   | 50 years  |
| Project Phasing  |   |
| <i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&amp;M) for each phase, as an attachment to this form.</i> |   |
| Does Project require multiple phases of construction?  | No  |
| No. of anticipated construction phases:  | 1   |
| Description of phases:   | Excavate for basin, build access ramp, install outlet structure                         |
| Phasing timeline:  | 2 years   |
| Total cost per phase:  | 1 phase   |
| Project phasing documentation attached?  | No  |
| Cost and Funding   |   |
| Total capital cost:  | \$1,071,244   |
| Total annual Operations & Maintenance (O&M) Cost:  | \$10,000  |
| Is the project Proponent providing a funding match to construct the project?   | Yes   |
| Is there a funding source other than FCGMA for ongoing operation and maintenance costs?  | Yes, the owner  |
| Additional Benefits  |   |
| Does the project benefit disadvantaged or under-represented communities:   | No  |
| If yes, please describe the benefit(s):  | (Please fill in)  |
| Project Proponent Contact Information  | Response (Applicant to Complete)  |
| Name:  | Steve George  |
| Title:   | Managing Partner  |
| Organization:  | Real Estate Portfolio Management, LLC   |
| Email:   | steveg@repmllc.com  |
| Phone:   | 818-625-1863  |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

Date:

9/29/2023



# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| BACKGROUND INFORMATION  |  |
|---|--|
| <b>Project Name:</b>  | AWPF Phase 2 Aquifer Storage & Recovery Expansion  |
| <b>Purpose of Project:</b>                                      | Water Supply   |
| <b>Project Type:</b>  | Project Update   |
| <b>Sponsoring Agency:</b>                                       | City of Oxnard   |
| <b>Groundwater Basin:</b>                                       | Oxnard Plain   |
| <b>Location:</b>  | Coastal aquifers   |
| <b>Project Description:</b>                                     | See Attachment A   |
| <b>Implementation Trigger (if applicable):</b>                  | Need GMA Approval and Funding  |
| Evaluation Criteria   | Response (Applicant to Complete)   |
| <b>Water Supply</b>   |  |
| Annual increase in Sustainable Yield (AFY):                     | 7000 to 14000 AF   |
| Annual increase in supplemental water in lieu of pumping (AFY): |  |
| Groundwater demand reduction (AFY):                             | 7000 -14000 AF   |
| Sustainability indicators addressed:                            | Seawater intrusion; groundwater level declines; groundwater storage reduction; water quality degradation |
| Project documentation included?                                 | Yes  |
| <b>Timing/Feasibility</b>                                       |  |
| <b>Project Implementation Timeframe</b>                         |  |
| Current Project status:   | Conceptual - no feasibility or design  |
| Estimated time to Project completion (years):                   | TBD  |
| Timeline / feasibility documentation included?                  | No   |
| <b>Environmental</b>  |  |
| CEQA/NEPA type:   | CEQA   |
| Status of CEQA/NEPA review and permitting:                      | Expected to take less than 5 years to complete   |
| Will the Project likely be permitted?                           | Yes  |
| Sensitivity of location:  | Low  |
| <b>Permitting</b>   |  |
| Permits required:   | TBD  |
| Status / time required:   | TBD  |
| Likelihood of Project being permitted:                          | High   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| Project Complexity   |  |
|--|--|
| Does the Project use new technology:   | No   |
| Does the Project require land acquisition:   | Yes  |
| Status of the land acquisition process:  | Required, not started and/or potential eminent domain                  |
| Is the Project dependent on other unbuilt or unfunded projects:  | Yes  |
| Is the Project dependent on funded projects currently under construction:  | No   |
| Description of Operation and Maintenance (if applicable):  | See CEQA description 2.4.4.1   |
| Project Lifespan   |  |
| What is the projected lifespan of the Project:   | 50+ Years  |
| Project Phasing  |  |
| <i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&amp;M) for each phase, as an attachment to this form.</i> |  |
| Does Project require multiple phases of construction?  | Yes  |
| No. of anticipated construction phases:  | TBD  |
| Description of phases:   | See CEQA description 2.4.4.1   |
| Phasing timeline:  | TBD  |
| Total cost per phase:  | TBD  |
| Project phasing documentation attached?  | Yes  |
| Cost and Funding   |  |
| Total capital cost:  | TBD  |
| Total annual Operations & Maintenance (O&M) Cost:  | TBD  |
| Is the project Proponent providing a funding match to construct the project?   | TBD  |
| Is there a funding source other than FCGMA for ongoing operation and maintenance costs?  | TBD  |
| Additional Benefits  |  |
| Does the project benefit disadvantaged or under-represented communities:   | Yes  |
| If yes, please describe the benefit(s):  | Sustainable and resilient water supply to DAC                          |
| Project Proponent Contact Information  | Response (Applicant to Complete)                                       |
| Name:  | Michael Wolfe  |
| Title:   | Director of Public Works   |
| Organization:  | City of Oxnard   |
| Email:   | <a href="mailto:michael.wolfe@oxnard.org">michael.wolfe@oxnard.org</a> |
| Phone:   | 805.385.8055   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

Date:

9/27/2023

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| BACKGROUND INFORMATION  |   |
|---|---|
| <b>Project Name:</b>  | Placco LLC Roosevelt Dams   |
| <b>Purpose of Project:</b>                                      | Water Supply  |
| <b>Project Type:</b>  | Project Update  |
| <b>Sponsoring Agency:</b>                                       | Placco LLC  |
| <b>Groundwater Basin:</b>                                       | Las Posas   |
| <b>Location:</b>  | 3400 E Los Angeles Ave., Somis, CA 93066  |
| <b>Project Description:</b>                                     | Roosevelt Dams on property maintained, to continue percolating rain water into the aquifer and benefiting the basin |
| <b>Implementation Trigger (if applicable):</b>                  | Not Applicable  |
| Evaluation Criteria   | Response (Applicant to Complete)  |
| <b>Water Supply</b>   |   |
| Annual increase in Sustainable Yield (AFY):                     | 180.7 AF  |
| Annual increase in supplemental water in lieu of pumping (AFY): | 0   |
| Groundwater demand reduction (AFY):                             | 0   |
| Sustainability indicators addressed:                            | (Please fill in)  |
| Project documentation included?                                 | Yes   |
| <b>Timing/Feasibility</b>                                       |   |
| <b>Project Implementation Timeframe</b>                         |   |
| Current Project status:   | 60% or greater engineering design complete  |
| Estimated time to Project completion (years):                   | 0- Already in place, just needs to be maintained  |
| Timeline / feasibility documentation included?                  | Yes   |
| <b>Environmental</b>  |   |
| CEQA/NEPA type:   | Not Applicable  |
| Status of CEQA/NEPA review and permitting:                      | Not applicable  |
| Will the Project likely be permitted?                           | No  |
| Sensitivity of location:  | Existing  |
| <b>Permitting</b>   |   |
| Permits required:   | NO  |
| Status / time required:   | Not Applicable  |
| Likelihood of Project being permitted:                          | Low   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| Project Complexity   |   |
|--|---|
| Does the Project use new technology:   | No  |
| Does the Project require land acquisition:   | No  |
| Status of the land acquisition process:  | Not required or all acquisitions and/or easments complete |
| Is the Project dependent on other unbuilt or unfunded projects:  | No  |
| Is the Project dependent on funded projects currently under construction:  | No  |
| Description of Operation and Maintenance (if applicable):  | Removal of silt from bottom of detention area.            |
| Project Lifespan   |   |
| What is the projected lifespan of the Project:   | Eternal/Completed just needs to be maintained             |
| Project Phasing  |   |
| <i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&amp;M) for each phase, as an attachment to this form.</i> |   |
| Does Project require multiple phases of construction?  | No  |
| No. of anticipated construction phases:  | Project is complete other than maintenance.               |
| Description of phases:   | NA  |
| Phasing timeline:  | NA  |
| Total cost per phase:  | NA  |
| Project phasing documentation attached?  |   |
| Cost and Funding   |   |
| Total capital cost:  | Project is complete.                                      |
| Total annual Operations & Maintenance (O&M) Cost:  | Not Applicable  |
| Is the project Proponent providing a funding match to construct the project?   | NO  |
| Is there a funding source other than FCGMA for ongoing operation and maintenance costs?  | Placco LLC-Maintenance Costs                              |
| Additional Benefits  |   |
| Does the project benefit disadvantaged or under-represented communities:   | No  |
| If yes, please describe the benefit(s):  | (Please fill in)  |
| Project Proponent Contact Information  | Response (Applicant to Complete)                          |
| Name:  | Esper A Petersen  |
| Title:   | Managing Member   |
| Organization:  | Placco LLC  |
| Email:   | esper@nordicltd.com                                       |
| Phone:   | 805-386-0900  |
| Date:  | 9/22/2023   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| BACKGROUND INFORMATION  |   |
|---|---|
| <b>Project Name:</b>  | Extraction Barrier and Brackish Water Treatment Project   |
| <b>Purpose of Project:</b>                                      | Water Supply  |
| <b>Project Type:</b>  | Project Update  |
| <b>Sponsoring Agency:</b>                                       | United Water Conservation District  |
| <b>Groundwater Basin:</b>                                       | Oxnard and Pleasant Valley  |
| <b>Location:</b>  | NBVC Point Mugu, Saline Intrusion Management Area, Oxnard Pumping Depression Management Area, Pleasant Valley Pumping Trough Management Area, and Oxnard          |
| <b>Project Description:</b>                                     | Construct extraction barrier wells (near Mugu Lagoon and possibly Port Hueneme), a reverse-osmosis treatment plant, and conveyance infrastructure to 1) develop a |
| <b>Implementation Trigger (if applicable):</b>                  | None  |
| Evaluation Criteria   | Response (Applicant to Complete)  |
| <b>Water Supply</b>   |   |
| Annual increase in Sustainable Yield (AFY):                     | 10,000 or more, depending on final design   |
| Annual increase in supplemental water in lieu of pumping (AFY): | 5,000 or more, depending on final design  |
| Groundwater demand reduction (AFY):                             | 0   |
| Sustainability indicators addressed:                            | Seawater intrusion, chronic declines in groundwater levels/change in storage, groundwater quality, subsidence   |
| Project documentation included?                                 | Yes   |
| <b>Timing/Feasibility</b>                                       |   |
| <b>Project Implementation Timeframe</b>                         |   |
| Current Project status:   | Initial Feasibility Study complete  |
| Estimated time to Project completion (years):                   | 3 years for Phase 1, 7 to 10 years for Phase 2  |
| Timeline / feasibility documentation included?                  | Yes   |
| <b>Environmental</b>  |   |
| CEQA/NEPA type:   | Both CEQA/NEPA  |
| Status of CEQA/NEPA review and permitting:                      | Underway and approvals expected in less than 3 years  |
| Will the Project likely be permitted?                           | Yes   |
| Sensitivity of location:  | Well sites and pipeline routes are being selected to avoid areas of sensitive ecological and cultural resources to the extent                                     |
| <b>Permitting</b>   |   |
| Permits required:   | CA Division of Drinking Water, County transportation ROW, CalTrans encroachment, VCWPD stream crossings, NPDES  |
| Status / time required:   | years, Phase 2 expected to take 6 to 9 years  |
| Likelihood of Project being permitted:                          | Medium  |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| Project Complexity   |   |
|--|---|
| Does the Project use new technology:   | No  |
| Does the Project require land acquisition:   | Yes   |
| Status of the land acquisition process:  | Process started, less than 25% complete   |
| Is the Project dependent on other unbuilt or unfunded projects:  | No  |
| Is the Project dependent on funded projects currently under construction:  | No  |
| Description of Operation and Maintenance (if applicable):  | Operation of brackish-water treatment plant (additional staff, electrical and chemical demand), conveyance via pipeline to  |
| Project Lifespan   |   |
| What is the projected lifespan of the Project:   | 50+ years   |
| Project Phasing  |   |
| <i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&amp;M) for each phase, as an attachment to this form.</i> |   |
| Does Project require multiple phases of construction?  | Yes   |
| No. of anticipated construction phases:  | 2   |
| Description of phases:   | Phase 1 is being designed to extract approximately 3,500 AFY and discharge the extracted brackish water to Mugu Lagoon or   |
| Phasing timeline:  | Phase 1 is expected to be completed and begin operation in 2026. Data obtained during the first year or more of operation   |
| Total cost per phase:  | \$330,000,000   |
| Project phasing documentation attached?  | (Please select one)   |
| Cost and Funding   |   |
| Total capital cost:  | \$361,000,000   |
| Total annual Operations & Maintenance (O&M) Cost:  | \$13,000,000  |
| Is the project Proponent providing a funding match to construct the project?   | Yes, 100% of construction costs will be paid for by United and by grants from agencies other than FCGMA.                    |
| Is there a funding source other than FCGMA for ongoing operation and maintenance costs?  | Yes, O&M costs will be paid for by United.  |
| Additional Benefits  |   |
| Does the project benefit disadvantaged or under-represented communities:   | Yes   |
| If yes, please describe the benefit(s):  | Both phases of this project will halt or reverse seawater intrusion, reducing the threat of declining water quality to DACs |
| Project Proponent Contact Information  | Response (Applicant to Complete)  |
| Name:  | Dr. Maryam Bral   |
| Title:   | Chief Engineer  |
| Organization:  | United Water Conservation District  |
| Email:   | MaryamB@UnitedWater.org   |
| Phone:   | 805-525-4431  |
| Date:  | 9/29/2023   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| BACKGROUND INFORMATION  |   |
|---|---|
| <b>Project Name:</b>  | Ferro-Rose Artificial Recharge of Groundwater   |
| <b>Purpose of Project:</b>  | Water Supply  |
| <b>Project Type:</b>  | Project Update  |
| <b>Sponsoring Agency:</b>   | United Water Conservation District  |
| <b>Groundwater Basin:</b>   | Oxnard and Pleasant Valley  |
| <b>Location:</b>  | Forebay area of Oxnard Basin  |
| <b>Project Description:</b>   | Expansion and extension of existing conveyance structures (inverted siphon, 3-barrel culvert, Vineyard Ave. crossing), which allows connection to Ferro-Rose basin for more |
| <b>Implementation Trigger (if applicable):</b>                          | None  |
| Evaluation Criteria   | Response (Applicant to Complete)  |
| <b>Water Supply</b>   |   |
| Annual increase in Sustainable Yield (AFY):                             | 2,000 to 3,000 (2,500 average)  |
| Annual increase in supplemental water in lieu of pumping (AFY):         | 0   |
| Groundwater demand reduction (AFY):                                     | 0   |
| Sustainability indicators addressed:<br>Project documentation included? | Seawater intrusion, chronic declines in groundwater levels/change in storage, groundwater quality, subsidence<br>No   |
| <b>Timing/Feasibility</b>   |   |
| <b>Project Implementation Timeframe</b>                                 |   |
| Current Project status:   | Initial Feasibility Study complete  |
| Estimated time to Project completion (years):                           | 2 years   |
| Timeline / feasibility documentation included?                          | Yes   |
| <b>Environmental</b>  |   |
| CEQA/NEPA type:   | CEQA  |
| Status of CEQA/NEPA review and permitting:                              | Underway and approvals expected within 1 year   |
| Will the Project likely be permitted?                                   | Yes   |
| Sensitivity of location:  | Requires pipeline crossing under State Highway 232 (Vineyard Ave.)  |
| <b>Permitting</b>   |   |
| Permits required:   | Army COE stream crossing and levee modification, CalTrans highway crossing  |
| Status / time required:   | 1 year  |
| Likelihood of Project being permitted:                                  | High  |



# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| Project Complexity   |   |
|--|---|
| Does the Project use new technology:   | No  |
| Does the Project require land acquisition:   | Yes   |
| Status of the land acquisition process:  | Required, not started and/or potential eminent domain   |
| Is the Project dependent on other unbuilt or unfunded projects:  | No  |
| Is the Project dependent on funded projects currently under construction:  | No  |
| Description of Operation and Maintenance (if applicable):  | Similar to current O&M of Freeman Diversion, but with greater diversions during wet years/periods and expanded sediment |
| Project Lifespan   |   |
| What is the projected lifespan of the Project:   | 50+ years   |
| Project Phasing  |   |
| <i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&amp;M) for each phase, as an attachment to this form.</i> |   |
| Does Project require multiple phases of construction?  | Yes   |
| No. of anticipated construction phases:  | 3   |
| Description of phases:   | 1. Inverted Siphon, 2. Three barrel culvert, 3. Vineyard Undercrossing  |
| Phasing timeline:  | All phases planned for completion by March 2025, as required under SGM grant  |
| Total cost per phase:  | FS due to inflation)  |
| Project phasing documentation attached?  | No  |
| Cost and Funding   |   |
| Total capital cost:  | \$7,000,000   |
| Total annual Operations & Maintenance (O&M) Cost:  | \$250,000   |
| Is the project Proponent providing a funding match to construct the project?   | Yes, 100% of the construction costs can be paid for by United and by grants from agencies other than FCGMA.             |
| Is there a funding source other than FCGMA for ongoing operation and maintenance costs?  | Yes, 100% of the O&M costs will be paid for by United   |
| Additional Benefits  |   |
| Does the project benefit disadvantaged or under-represented communities:   | Yes   |
| If yes, please describe the benefit(s):  | This project will produce more recharge of low-TDS surface water during high flow events, improving water quality for   |
| Project Proponent Contact Information  | Response (Applicant to Complete)  |
| Name:  | Dr. Maryam Bral   |
| Title:   | Chief Engineer  |
| Organization:  | United Water Conservation District  |
| Email:   | MaryamB@UnitedWater.org   |
| Phone:   | 805-525-4431  |
| Date:  | 9/29/2023   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| BACKGROUND INFORMATION  |  |
|---|--|
| <b>Project Name:</b>  | Freeman Diversion Expansion Project  |
| <b>Purpose of Project:</b>  | Water Supply   |
| <b>Project Type:</b>  | Project Update   |
| <b>Sponsoring Agency:</b>   | United Water Conservation District   |
| <b>Groundwater Basin:</b>   | Oxnard and Pleasant Valley   |
| <b>Location:</b>  | Forebay area of Oxnard Basin   |
| <b>Project Description:</b>   | Expansion of the existing intake, conveyance, and recharge facilities associated with Freeman Diversion and, in a subsequent phase, an associated increase in UWCD's right |
| <b>Implementation Trigger (if applicable):</b>                          | None   |
| Evaluation Criteria   | Response (Applicant to Complete)   |
| <b>Water Supply</b>   |  |
| Annual increase in Sustainable Yield (AFY):                             | 10,000   |
| Annual increase in supplemental water in lieu of pumping (AFY):         | 0  |
| Groundwater demand reduction (AFY):                                     | 0  |
| Sustainability indicators addressed:<br>Project documentation included? | Seawater intrusion, chronic declines in groundwater levels/change in storage, groundwater quality, subsidence<br>Yes   |
| <b>Timing/Feasibility</b>   |  |
| <b>Project Implementation Timeframe</b>                                 |  |
| Current Project status:   | Initial Feasibility Study complete   |
| Estimated time to Project completion (years):                           | 13   |
| Timeline / feasibility documentation included?                          | Yes  |
| <b>Environmental</b>  |  |
| CEQA/NEPA type:   | CEQA   |
| Status of CEQA/NEPA review and permitting:                              | Expected to take less than 5 years to complete   |
| Will the Project likely be permitted?                                   | Yes  |
| Sensitivity of location:  | Requires new fish passage, as planned in United's MSHCP  |
| <b>Permitting</b>   |  |
| Permits required:   | CEQA, SWRCB new or modified water right, Caltrans, County, State   |
| Status / time required:   | 12 years to complete both phases   |
| Likelihood of Project being permitted:                                  | Medium   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| Project Complexity   |   |
|--|---|
| Does the Project use new technology:   | No  |
| Does the Project require land acquisition:   | Yes   |
| Status of the land acquisition process:  | Required, not started and/or potential eminent domain   |
| Is the Project dependent on other unbuilt or unfunded projects:  | Yes   |
| Is the Project dependent on funded projects currently under construction:  | No  |
| Description of Operation and Maintenance (if applicable):  | Similar to current O&M of Freeman Diversion, but with greater diversions during wet years/periods and expanded sediment   |
| Project Lifespan   |   |
| What is the projected lifespan of the Project:   | 50+ years   |
| Project Phasing  |   |
| <i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&amp;M) for each phase, as an attachment to this form.</i> |   |
| Does Project require multiple phases of construction?  | Yes   |
| No. of anticipated construction phases:  | 6   |
| Description of phases:   | 1. Freeman conveyance canal expansion, 2. desilting basin upgrades bifurcation/partition/inlet/outlet, 3. Bifurcation, 4. Details to be determined; all phases planned for completion by 2036 |
| Phasing timeline:  | 2036  |
| Total cost per phase:  | \$8,000,000, 6. \$15,000,000 (includes inflation multiplier to  |
| Project phasing documentation attached?  | No  |
| Cost and Funding   |   |
| Total capital cost:  | \$36,000,000  |
| Total annual Operations & Maintenance (O&M) Cost:  | \$1,000,000   |
| Is the project Proponent providing a funding match to construct the project?   | Yes, 100% of the construction costs can be paid for by United and by grants from agencies other than FCGMA.   |
| Is there a funding source other than FCGMA for ongoing operation and maintenance costs?  | Yes, 100% of the O&M costs will be paid for by United   |
| Additional Benefits  |   |
| Does the project benefit disadvantaged or under-represented communities:   | Yes   |
| If yes, please describe the benefit(s):  | This project will produce more recharge of low-TDS surface water during high flow events, improving water quality for   |
| Project Proponent Contact Information  | Response (Applicant to Complete)  |
| Name:  | Dr. Maryam Bral   |
| Title:   | Chief Engineer  |
| Organization:  | United Water Conservation District  |
| Email:   | MaryamB@UnitedWater.org   |
| Phone:   | 805-525-4431  |
| Date:  | 9/29/2023   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| BACKGROUND INFORMATION  |   |
|---|---|
| <b>Project Name:</b>  | Laguna Road Recycled Water Pipeline Interconnection   |
| <b>Purpose of Project:</b>  | Water Supply  |
| <b>Project Type:</b>  | Project Update  |
| <b>Sponsoring Agency:</b>   | United Water Conservation District  |
| <b>Groundwater Basin:</b>   | Oxnard  |
| <b>Location:</b>  | Oxnard Pumping Depression Management Area   |
| <b>Project Description:</b>   | This project is a new pipeline interconnection to allow conveyance of recycled water from Pleasant Valley County Water District's system to UWCD's Pumping Trough |
| <b>Implementation Trigger (if applicable):</b>                          | None  |
| Evaluation Criteria   | Response (Applicant to Complete)  |
| <b>Water Supply</b>   |   |
| Annual increase in Sustainable Yield (AFY):                             | 0   |
| Annual increase in supplemental water in lieu of pumping (AFY):         | 1,500 on average, up to 6,000 during droughts   |
| Groundwater demand reduction (AFY):                                     | 0   |
| Sustainability indicators addressed:<br>Project documentation included? | Seawater intrusion, chronic declines in groundwater levels/change in storage, groundwater quality, subsidence<br>Yes  |
| <b>Timing/Feasibility</b>   |   |
| <b>Project Implementation Timeframe</b>                                 |   |
| Current Project status:   | 30% engineering design complete   |
| Estimated time to Project completion (years):                           | SGM grant agreement)  |
| Timeline / feasibility documentation included?                          | Yes   |
| <b>Environmental</b>  |   |
| CEQA/NEPA type:   | CEQA  |
| Status of CEQA/NEPA review and permitting:                              | Underway and approvals expected within 1 year   |
| Will the Project likely be permitted?                                   | Yes   |
| Sensitivity of location:  | Low, but it does require a pipeline crossing or tunneling below Revolon Slough.   |
| <b>Permitting</b>   |   |
| Permits required:   | VCPWA Watershed Protection (for stream crossing), County transportation Encroachment Permit (for buried pipeline in   |
| Status / time required:   | 3 years   |
| Likelihood of Project being permitted:                                  | High  |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| Project Complexity   |   |
|--|---|
| Does the Project use new technology:   | No  |
| Does the Project require land acquisition:   | Yes   |
| Status of the land acquisition process:  | Process started, less than 25% complete   |
| Is the Project dependent on other unbuilt or unfunded projects:  | No  |
| Is the Project dependent on funded projects currently under construction:  | Yes   |
| Description of Operation and Maintenance (if applicable):  | Negligible--routine pipeline checks and repairs   |
| Project Lifespan   |   |
| What is the projected lifespan of the Project:   | 50 years  |
| Project Phasing  |   |
| <i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&amp;M) for each phase, as an attachment to this form.</i> |   |
| Does Project require multiple phases of construction?  | Yes   |
| No. of anticipated construction phases:  | 2   |
| Description of phases:   | Phase 1: Construct pipeline; Phase 2: Construct booster pump station  |
| Phasing timeline:  | Phase 1: Completed by March 2025; Phase 2: Completed by March 2027  |
| Total cost per phase:  | \$3M for pipeline and \$1.2M for pump station   |
| Project phasing documentation attached?  | No  |
| Cost and Funding   |   |
| Total capital cost:  | \$4,200,000   |
| Total annual Operations & Maintenance (O&M) Cost:  | \$750,000   |
| Is the project Proponent providing a funding match to construct the project?   | Yes, 100% of the construction costs can be paid for by United and by grants from agencies other than FCGMA. |
| Is there a funding source other than FCGMA for ongoing operation and maintenance costs?  | Yes, 100% of the O&M costs will be paid for by United   |
| Additional Benefits  |   |
| Does the project benefit disadvantaged or under-represented communities:   | No  |
| If yes, please describe the benefit(s):  |   |
| Project Proponent Contact Information  | Response (Applicant to Complete)  |
| Name:  | Dr. Maryam Bral   |
| Title:   | Chief Engineer  |
| Organization:  | United Water Conservation District  |
| Email:   | MaryamB@UnitedWater.org   |
| Phone:   | 805-525-4431  |
| Date:  | 9/29/2023   |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| BACKGROUND INFORMATION  |   |
|---|---|
| <b>Project Name:</b>  | Purchase of Supplemental State Water Project Water  |
| <b>Purpose of Project:</b>  | Water Supply  |
| <b>Project Type:</b>  | Project Update  |
| <b>Sponsoring Agency:</b>   | United Water Conservation District  |
| <b>Groundwater Basin:</b>   | Oxnard and Pleasant Valley  |
| <b>Location:</b>  | Oxnard Forebay, Oxnard Pumping Depression Management Area, Pleasant Valley Pumping Trough Management Area   |
| <b>Project Description:</b>   | This project consists of United purchasing supplemental State Water Project (SWP) water (State Water) for recharge in the Oxnard Subbasin and delivered to users on PTP |
| <b>Implementation Trigger (if applicable):</b>                          | None  |
| Evaluation Criteria   | Response (Applicant to Complete)  |
| <b>Water Supply</b>   |   |
| Annual increase in Sustainable Yield (AFY):                             | 5,000   |
| Annual increase in supplemental water in lieu of pumping (AFY):         | 1,000   |
| Groundwater demand reduction (AFY):                                     | 0   |
| Sustainability indicators addressed:<br>Project documentation included? | Seawater intrusion, chronic declines in groundwater levels/change in storage, groundwater quality, subsidence<br>Yes  |
| <b>Timing/Feasibility</b>   |   |
| <b>Project Implementation Timeframe</b>                                 |   |
| Current Project status:   | 60% or greater engineering design complete  |
| Estimated time to Project completion (years):                           | Project already implemented   |
| Timeline / feasibility documentation included?                          | Yes   |
| <b>Environmental</b>  |   |
| CEQA/NEPA type:   | CEQA  |
| Status of CEQA/NEPA review and permitting:                              | Underway and approvals expected within 1 year   |
| Will the Project likely be permitted?                                   | Yes   |
| Sensitivity of location:  | Some sensitivity to releases from Pyramid Lake to Middle Piru Creek.  |
| <b>Permitting</b>   |   |
| Permits required:   | DWR's FERC license variance required for future Pyramid Lake releases (temporary suspension of CEQA requirements)   |
| Status / time required:   | Expected in 1 year  |
| Likelihood of Project being permitted:                                  | High  |

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



## Project Evaluation Checklist

| Project Complexity   |  |
|--|--|
| Does the Project use new technology:   | No   |
| Does the Project require land acquisition:   | No   |
| Status of the land acquisition process:  | Not required or all acquisitions and/or easments complete  |
| Is the Project dependent on other unbuilt or unfunded projects:  | No   |
| Is the Project dependent on funded projects currently under construction:  | No   |
| Description of Operation and Maintenance (if applicable):  | Consistent with O&M required for United's existing diversion/recharge operations                                     |
| Project Lifespan   |  |
| What is the projected lifespan of the Project:   | 50+ years  |
| Project Phasing  |  |
| <i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&amp;M) for each phase, as an attachment to this form.</i> |  |
| Does Project require multiple phases of construction?  | No   |
| No. of anticipated construction phases:  | N/A  |
| Description of phases:   | N/A  |
| Phasing timeline:  | N/A  |
| Total cost per phase:  | \$0  |
| Project phasing documentation attached?  | No   |
| Cost and Funding   |  |
| Total capital cost:  | \$0  |
| Total annual Operations & Maintenance (O&M) Cost:  | \$4,000,000  |
| Is the project Proponent providing a funding match to construct the project?   | N/A  |
| Is there a funding source other than FCGMA for ongoing operation and maintenance costs?  | Yes, United has established a fund to purchase additional SWP water in the future.                                   |
| Additional Benefits  |  |
| Does the project benefit disadvantaged or under-represented communities:   | Yes  |
| If yes, please describe the benefit(s):  | This project will produce more recharge of lower-TDS surface water (compared to baseflows in the Santa Clara River), |
| Project Proponent Contact Information  | Response (Applicant to Complete)   |
| Name:  | Dr. Maryam Bral  |
| Title:   | Chief Engineer   |
| Organization:  | United Water Conservation District   |
| Email:   | MaryamB@UnitedWater.org  |
| Phone:   | 805-525-4431   |
| Date:  | 9/29/2023  |

[REDACTED]

---

**From:** Wm. G. Scholle Ranch [REDACTED]  
**Sent:** Thursday, September 28, 2023 1:47 PM  
**To:** GSP, FCGMA  
**Subject:** Project ConceptsConce  
**Attachments:** Detention Basins.pdf

WARNING: If you believe this message may be malicious use the Phish Alert Button to report it or forward the message to Email.Security@ventura.org.

Hi FCGMA

I am submitting the following drawings that show the 3 different types of projects that I believe should have standard plans and specification developed. With a standard plan, ranchers and others would have an idea of what is needed for submission of a formal projects. Hundreds of these small projects, that cost very little each, would provide way more than enough water to the basin.

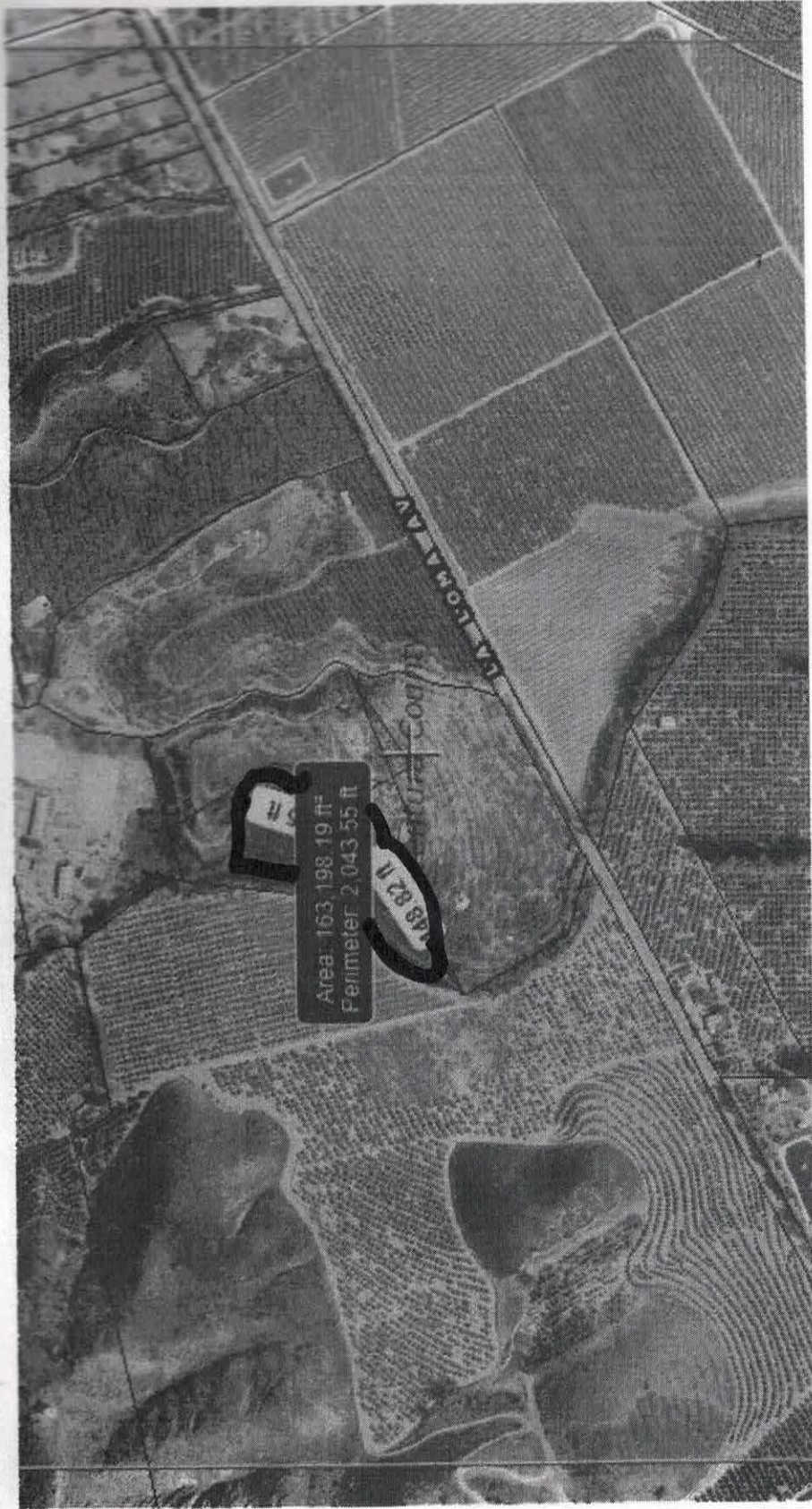
I chose 2 of these locations as examples because in the past they have backed up from debris and these are the areas that retained water. The other can save the County money annually because they would no longer need to annually clean the drainage ditch that fills with sediments.



PROJECT 1. SUMNER PARKWAY & WINNER DRIVE  
 SCOPE: 1) BUILD DIVERSION STRUCTURE WITH IN FLATABLE DAM 260 EL  
 2) CONSTRUCT PERIMETER RETAINING BEAM AT PERIMETER (TOP DAM 263, DOWNTOP 250 EL)  
 3) REMOVE WHOLE ARE WITHIN BEAM TO EL. 250  
 4) CONSTRUCT EMERGENCY OUTLET STRUCTURE (TOP @ 260 EL, DADP TO 250 EL)

EXCHANGE:  
 60 AF/RAIN  
 VENT





PROJECT 21 ~~BARANCA~~ BARANCA CONVERTED INTO DETENTION BASINS PLAN

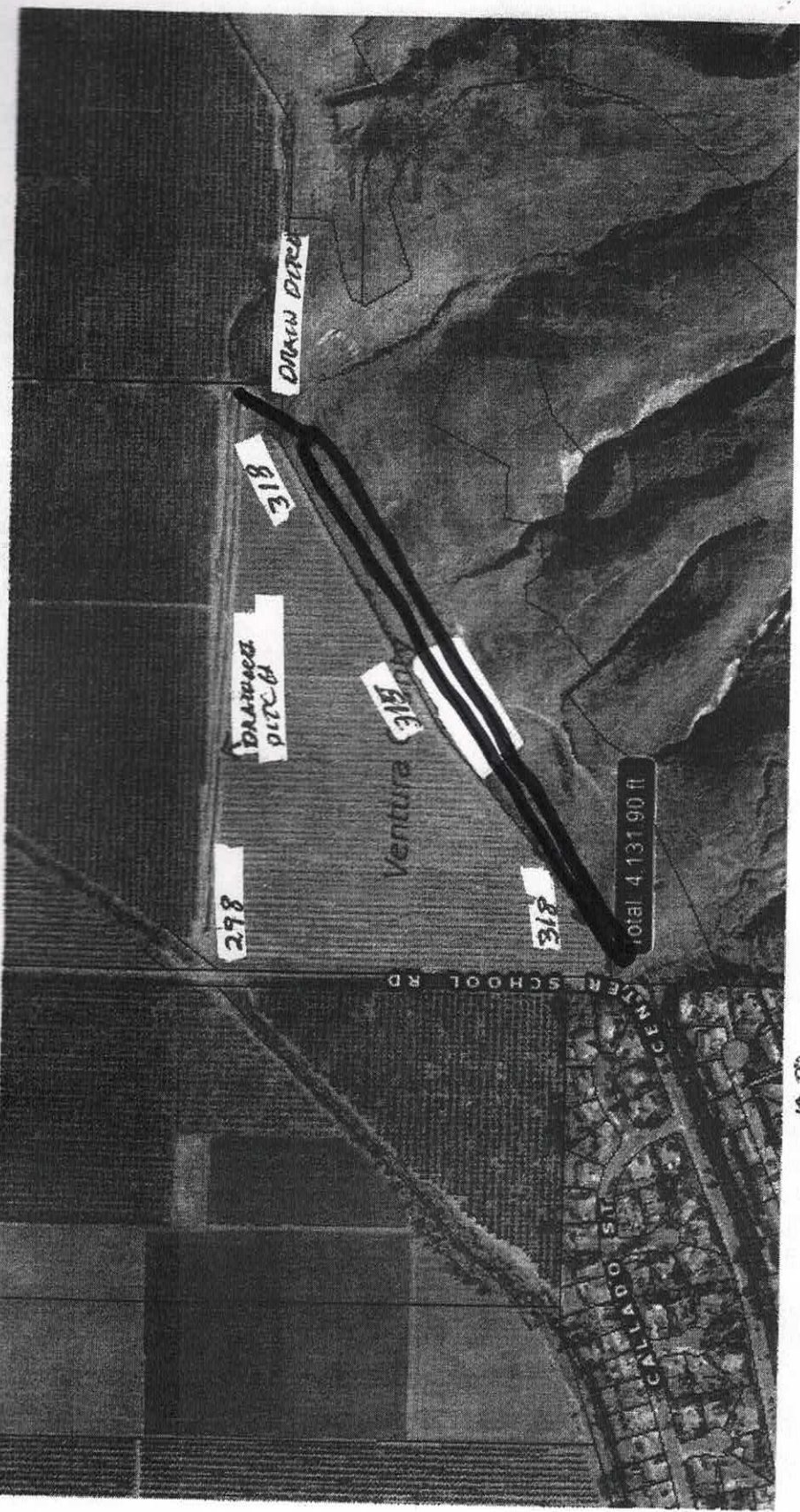
SCOPE: CONVERT BARANCA TO RETENTION BASIN

$$163,200 \times 20' \text{ DEEP} = 3,264,000 \text{ CF} = 75 \text{ AF PER RAIN EVENT}$$

$$\frac{43,560 \text{ CF/AE}}{75 \text{ AF}} = 580 \text{ AF/AE}$$

COST: 1 MONTH GRADING + EXIST STRUCTURE = \$350,000  
 \$150,000 200,000

PROJECT 3 . BASE OF MOUNTAIN POTENTIQU BASINS



SIZE 2,000' LONG, 20' WIDE, 10' TALL

COST: 1 MONTH GRADING + LAND DONATE  
EST: 150,000<sup>00</sup>

$$2,000 \times 15 \times 10 = 300,000 \text{ CF}$$

$$\frac{300,000 \text{ CF}}{40,360 \text{ CF/AF}} = 6.9 \text{ AF}$$

PER RAIN EVENT

COST SAVING TO COUNTY OF VENTURA  
FOR NOT CLEANING DRAINAGE DITCH  
EVERY YEAR ALONG CENTER SCHOOL ROAD

2 PUMP TRUCKS  
2 EXCAVATORS  
2 FLAGGERS

FOR 2 DAYS EVERY YEAR

