

LARSEN WURZEL
& Associates, Inc.

Reclamation District 784

Levee and Internal Drainage Operations and Maintenance Assessment

FINAL ENGINEER'S REPORT

Prepared for: Reclamation District 784

Submission Date: July 10, 2019

RECLAMATION DISTRICT NO. 784

RESOLUTION 2019-03-01

**RESOLUTION SUSPENDING EXISTING ASSESSMENT UPON
APPROVAL AND LEVY OF PROPOSED ASSESSMENT**

WHEREAS, RD 784 is a California reclamation district organized and existing to operate and maintain levees and to provide drainage services protecting the Linda, Olivehurst, and Plumas Lake areas (the "Urban Levees"), as well as operating and maintaining levees protecting the Horseshoe Area (the "Rural Levees"); and

WHEREAS, RD 784 currently imposes an annual operations and maintenance assessment for these levee and internal drainage services; and

WHEREAS, the Three Rivers Levee Improvement Authority (TRLIA) is a joint powers authority created to assist RD 784 with improving certain levees operated and maintained by RD 784 as well as building a new Goldfields levee; and,

WHEREAS, TRLIA also imposes an annual operations and maintenance assessment that provides additional funding to RD 784 that funds RD 784's operation and maintenance activities; and,

WHEREAS, RD 784 is proposing to levy a new assessment to fund internal drainage services and levee operation and maintenance activities of its Urban Levees; and

WHEREAS, RD 784's proposed new assessment will levy the assessments on properties that receive special benefit from the internal drainage system, from the Urban Levees, as well as properties that will receive special benefit from the new Goldfields levee; and

WHEREAS, if approved by property owners, RD 784's proposed new assessment will be sufficient to replace both the current RD 784 assessment and the TRLIA assessment as early as Fiscal Year 2019/20, and will create administrative efficiencies for property owners; and

WHEREAS, TRLIA resolved to suspend its 2009 benefit assessment for operation and maintenance of TRLIA-improved levees by RD 784 upon the valid formation of RD 784's proposed assessment and call for the levy of the assessment on the Yuba County secured property tax roll; and

WHEREAS, RD 784 wishes to clarify for its current assessment payers its intent to suspend the levy of its current assessment if the proposed assessment is approved by property owners; and

WHEREAS, a suspension (and not elimination) of RD 784's current assessment will allow for the levy of the current assessment in the event the proposed assessment does not pass or cannot be levied.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. **Recitals.** The above recitals are true and correct.
2. **Suspension of Current Assessment.** Upon the valid formation of RD 784's proposed assessment and RD 784's approval and call for the levy of the assessment on the Yuba County secured property tax roll, RD 784 will suspend its current assessment for Fiscal Year 2019/20 and for each year into the future so long as the proposed assessment remains valid and levied.

PASSED AND ADOPTED as a resolution of the Board of Trustees of Reclamation District No. 784 on March 5, 2019.

AYES: 5 Brown, Gothrow, Read, Atwal and Pannee

NOES: 0

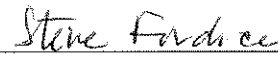
ABSTAIN: 0

ABSENT: 0



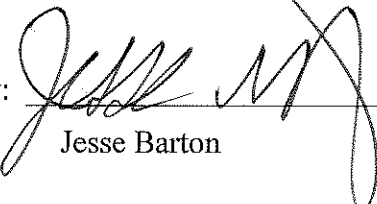
Rick Brown, Chair

ATTEST:



Steve Fordice, Secretary of the Board

APPROVED AS TO FORM:
GENERAL COUNSEL

By: 

Jesse Barton

8

RECLAMATION DISTRICT NO. 784

RESOLUTION 2019-05-01

**RESOLUTION INITIATING PROCEEDINGS,
PROVIDING INTENTION TO LEVY ASSESSMENTS, PRELIMINARILY APPROVING
ENGINEER'S REPORT, AND PROVIDING FOR NOTICE OF HEARING FOR THE
FORMATION OF SPECIAL ASSESSMENT DISTRICT**

WHEREAS, Reclamation District No. 784 (RD 784) is responsible for maintaining the the TRLIA improved levees, as well as the new TRLIA Goldfields levee (collectively the "Urban Levees"), and the internal drainage facilities that protects nearly 43,800 acres of land within the RD 784 boundaries;

WHEREAS, RD 784 is required by the State of California to operate, maintain, repair, rehabilitate, and replace (OMRR&R) the Urban Levees and internal drainage facilities;

WHEREAS, RD 784 proposes to levy a special benefit assessment to fund OMRR&R costs in order to continue to provide urban levee protection and internal drainage to the lands within RD 784 served by the facilities (the "Services");

WHEREAS, the Services will provide special benefits to certain real properties within the boundaries of RD 784 (the "Properties");

WHEREAS, the boundaries of RD 784 include all the Properties that receive Special Benefit from the Services;

WHEREAS, RD 784 directed Larsen Wurzel & Associates, Inc. to have a registered professional engineer certified by the State of California prepare a detailed Engineer's Report establishing a methodology to determine and apportion the special benefit received by the Properties and allocate the cost of the Services in proportion to said special benefits;

WHEREAS, the Board of Trustees (the "Board") of RD 784 has determined to undertake proceedings pursuant to the Benefit Assessment Act of 1982, being California Government Code sections 54703 et seq. (the "Act"), to levy assessments to perform the Services to provide the Properties within the RD 784 boundaries with levee protection and internal drainage; and,

WHEREAS, the adoption of a new special assessment is subject to constitutional procedural requirements and majority approval by the landowners of the assessed parcels.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. **Recitals.** The above recitals are true and correct.
2. **Authority.** To provide for the Services, the Board of RD 784 hereby proposes the formation of the Assessment District pursuant to Article XIII D of the California Constitution; the Proposition 218 Omnibus Implementation Act, Gov't Code § 53750 et seq.; and the Act.

3. **Description of Assessment District.** The Board hereby specifies and describes the exterior boundaries of the Assessment District to include all the Properties and excludes any properties not receiving special benefits from the Services as shown on the Boundary Map, which is hereby approved. The Boundary Map shall govern for all details as to the extent of the Assessment District.

4. **Proposed Assessment.** The Board hereby preliminarily approves the Engineer's Report as filed and determines and proposes for adoption the assessments described therein. The Engineer's Report sets forth a full and detailed description of the costs financed by the assessments, the parcels to be assessed, and the proposed assessments upon assessable lots and parcels. The preliminary approved Engineer's Report is on file in the RD 784 office located at 1594 Broadway Street, Arboga, California, and shall be made available for review by any interested member of the public during normal business hours.

5. **Public Hearing.** On July 01, 2019 at 6:30 PM, the Board will hold a public hearing on the proposed formation of the Assessment District and the levying of the special benefit assessment. The hearing will be held at The Yuba County Supervisors' Chambers. At the hearing, landowners within the proposed Assessment District will have the opportunity to make written or oral comments on the proposed assessment and to submit new or changed assessment ballots. After the close of the public comment portion of the hearing, the Board will direct the assessment ballots to be tabulated in public. The Board will continue the hearing to 10:00 AM, on July 11, 2019 at the RD 784 office at which time the results of the assessment ballot proceeding are expected to be announced. Absent a majority protest, the Board may take a final action regarding the formation of the Assessment District and levying of the special benefit assessment.

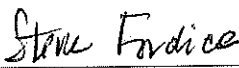
6. **Notice and Balloting Process.** The Board Secretary is hereby authorized and directed to cause Notice of the Hearing to be given in accordance with law by mailing, postage prepaid, by U.S. mail, and such Notice shall be deemed to have been given when so deposited in the mail. The Notice shall be mailed to all property owners who would be subject to assessment within the proposed Assessment District, with delivery to those persons owning property within the Assessment District whose names and addresses appear on the last equalized secured property tax assessment roll of the County of Yuba, or in the case of any public entity, the representative of such public entity at the address thereof known to the Secretary. The Notice shall include the assessment(s) proposed for the owner's particular parcel(s), the total amount of the proposed assessment chargeable to the entire Assessment District, the reason for the assessment and the basis upon which the amount of the assessments was calculated. Each Notice shall also contain an assessment ballot, a summary of the procedures applicable to the completion, return and tabulation of assessment ballots, and a statement that the assessment will not be imposed unless a majority of the weighted votes are in favor of the assessment.

PASSED AND ADOPTED as a resolution of the Board of Trustees of Reclamation District
No. 784 on May 7, 2019.

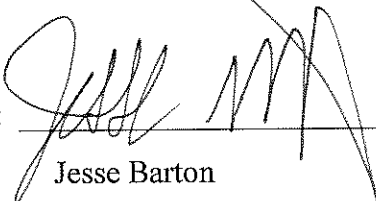
AYES: 4 Brown, Reed, Atwal, and Danna
NOES: 0
ABSTAIN: 0
ABSENT: 0


Rick Brown, Chair

ATTEST:


Steve Fordice, Secretary of the Board

APPROVED AS TO FORM:
GENERAL COUNSEL

By: 
Jesse Barton

RECLAMATION DISTRICT 784

RESOLUTION 2019-05-02

RESOLUTION ADOPTING PROPOSITION 218 PROCEDURES FOR THE 2019 ASSESSMENT BALLOT PROCEEDINGS

WHEREAS, Reclamation District 784 (RD 784) has resolved to initiate proceedings, indicating its intention to levy assessments, preliminarily approve the engineer's report, and provide for notice of hearing for the formation of a special assessment (Resolution 2019-05-01; and

WHEREAS, Proposition 218 was adopted on November 6, 1996, adding Articles XIII C and XIII D to the California Constitution; and

WHEREAS, Article XIII D of the California Constitution impose certain procedural and substantive requirements relating to assessments (as defined); and

WHEREAS, some of the requirements of Proposition 218 are unclear and require judicial interpretation or legislative implementation; and

WHEREAS, RD 784 believes it to be in the best interest of the community to record its decisions regarding implementation of the provisions of Proposition 218 relating to assessments and to provide the community with a guide to those decisions and how they have been made.

NOW, THEREFORE, RD 784 does hereby resolve as follows:

SECTION 1. Statement of Legislative Intent.

It is RD 784's intent in adopting this resolution, to adopt assessment ballot proceedings that are consistent, and in compliance with, articles XIII C and XIII D of the California Constitution and with the Proposition 218 Omnibus Implementation Act and the provisions of other statutes authorizing the levy of assessments. It is not the intent of RD 784 to vary in any way from the requirements of articles XIII C and XIII D or the Proposition 218 Omnibus Implementation Act.

SECTION 2. Definition of Assessment.

Proposition 218 defines "assessment" as any levy or charge upon real property by an agency for a special benefit conferred upon the real property. "Assessment" includes, but is not limited to, "special assessment," "benefit assessment," "maintenance assessment" and "special assessment tax." This means that an assessment that is not a charge upon real property for a special benefit conferred upon the real property is not an "assessment" for purposes of article XIII D, section 2(b) of the California Constitution.

SECTION 3. Existing RD 784 Assessments.

RD 784 currently imposes an annual operation and maintenance assessment. These assessments are controlled by the Assessment Valuation Commissioner's Report adopted when the assessment was initially levied in 1998 under the Reclamation District Act and is noted here in summary form. These assessments shall be suspended if the special BENEFIT assessment referenced in Resolution 2019-05-01's approved by the voters and levied by RD 784, as further described in Resolution 2019-03-01.

- A. **Operations & Maintenance Assessment.** Established in 1998 under the Reclamation District Act (CA Water Code, Sections 51230 through 51563).

SECTION 4. Assessment Ballot Proceeding.

The following procedures shall be used in an assessment ballot proceeding required by article XIID, section 4 of the California Constitution:

- A. **Amount of Assessment.** Only special benefits are assessable. The amount of each assessment shall be each identified parcel's proportionate share of the public improvement or property related service based upon that parcel's special benefit from the improvement or service. The amount shall be proportional to and no greater than the special benefits conferred on the property.
- B. **Special Benefit.** For purposes of determining the amount of the assessment:
1. Special benefit means a particular and distinct benefit over and above general benefits conferred on real property located in the assessment district or to the public at large;
 2. Special benefits are those which the property assessed receives, due to the improvement or service, in excess of the general public benefit;
 3. The fact that other property within the area will be, to a greater or lesser extent, specially benefited by the improvement or service, will not have the effect of depriving assessed property of its character as specially benefited property;
 4. Special benefit is immediate and of such a character as can be seen and traced.
 5. General benefits are remote and sometimes contingent.

C. **Engineer's Report.** RD 784 shall direct the filing of an engineer's report that shall comply with the applicable state statute authorizing the assessment and with article XIID, section 4 of the California Constitution. The engineer's report shall identify the improvement or service to be funded by the assessment; its estimated cost, including all planning, administrative, and ancillary costs authorized by law to be funded by the assessment; the entire special benefit attributable to the improvement or service, which benefit shall be separated from the general benefit, if any. Each parcel assessed shall be specially benefited by the improvement or service. The engineer's report shall also provide the evidence upon which the RD 784 Board of Trustees may find that a special benefit exists. The engineer's report shall apportion the assessment to each parcel in the district according to its respective special benefit.

D. **Notice.** The following guidelines shall apply to giving notice of an assessment.

1. The record owner(s) of each parcel to be assessed shall be determined from the last equalized property tax roll. If the property tax roll indicates more than one owner, each owner shall receive notice. Only property owners shall receive notice.
2. The form of notice is attached to this resolution as Exhibit A.
3. The notice shall be sent at least forty-five (45) days prior to the date set for the public hearing on the assessment.
4. The notice provided by this section and in accordance with article XIID, section 4 of the California Constitution, shall supersede and be in lieu of any other statutes requiring notice to levy or increase an assessment, including but not limited to the notice required by the state statute authorizing the assessment and Government Code section 54954.6.
5. Failure of any person to receive notice shall not invalidate the proceedings.
6. The cost of providing notice shall be included as a cost of the assessment district.

E. **Assessment Ballot.** The following guidelines shall apply to the assessment ballot:

1. The ballot required by article XIID, section 4(d) of the California Constitution shall be mailed to all property owners of record within the assessment district at least forty-five (45) days prior to the date of the public hearing on the proposed assessment.
2. The form of the ballot is attached to this resolution as Exhibit B.
3. All ballots must be returned to RD 784 by mail or in person, sealed in the envelope provided not later than the date for return of ballots stated on the notice described in section 4(D).

4. The envelopes shall be "security envelopes" which conceal the contents therein provided by RD 784.
5. A ballot must be signed under penalty of perjury. For properties with more than one owner of record, ballots will be accepted from each owner of record. Each owner of record is entitled to vote. If more than one owner of record votes, RD 784 shall apportion the voting rights between the owners based upon the respective record interests as RD 784 deems correct, proper, and appropriate. However, if only one owner of record votes, RD 784 shall tabulate that vote on behalf of the entire parcel.
6. Because assessments are levied on property and tenants are not directly liable to RD 784 for payment of assessments, a tenant of real property shall not have the power or authority to submit an assessment ballot.
7. Only ballots with original signatures, not photocopies, will be accepted. Ballots will not be accepted via e-mail. Ballots not submitted in the security envelope provided by RD 784 shall not be counted.
8. RD 784 may issue a duplicate ballot to any property owner whose original ballot was lost or destroyed. Such ballots shall be clearly marked as duplicate ballots and shall be accompanied by sufficient information for the Secretary of the Board of Trustees to verify the location and ownership of the property in question and the identity of the individual casting the ballot in order to verify its authenticity.
9. An assessment ballot proceeding is not an election.
10. Assessment ballots shall remain sealed until the tabulation of ballots commences at the conclusion of the public hearing. An assessment ballot may be submitted, or changed, or withdrawn by the person who submitted the ballot prior to the conclusion of the public testimony on the proposed assessment at the public hearing.
11. During and after the tabulation, the assessment ballots shall be treated as disclosable public records, as defined in Government Code section 6252, and equally available for inspection (e.g., by the proponents or the opponents of the proposed assessment), pursuant to Government Code section 53750(e)(1).
12. Prior to the public hearing, neither the assessment ballot nor the envelope in which it is submitted shall be treated as a public record, pursuant to Government Code section 6254(c) and any other applicable law, in order to prevent potential unwarranted invasions of the submitter's privacy and to protect the integrity of the balloting process.

F. **Tabulating Ballots.** The following guidelines shall apply to tabulating assessment ballots:

1. RD 784 shall determine the validity of all ballots. RD 784 shall accept as valid all ballots except those in the following categories:
 - a) A photocopy of a ballot which does not contain an original signature;
 - b) An unsigned ballot;
 - c) A ballot signed by an individual claiming to represent the owner without an affidavit
 - d) A ballot which lacks an identifiable “yes” or “no” vote;
 - e) A ballot which appears to be tampered with or otherwise invalid based upon its appearance or method of delivery or other circumstances;
 - f) A ballot which is submitted on a form which is different than the form of ballot provided by RD 784;
 - g) A ballot submitted to RD 784 via e-mail; and
 - h) A ballot not returned in an RD 784 issued “security envelope.”

RD 784’s decision, after consultation with its attorney that a ballot is invalid, shall be final and may not be appealed to the Board of Trustees.

2. An impartial person designated by the RD 784 Board of Trustees who does not have a vested interest in the outcome of the proposed assessment shall publicly tabulate the assessment ballots submitted, and not withdrawn, in support or opposition to the proposed assessment. During and after the tabulation, the assessment ballots shall be treated as disclosable public records, as defined in the Public Records Act, and equally available for inspection by the proponents and the opponents of the proposed assessment.
3. A property owner who has submitted an assessment ballot may withdraw the ballot and submit a new or changed ballot at any time until the conclusion of the public hearing on the assessment.
4. A property owner’s failure to receive an assessment ballot shall not invalidate the proceedings conducted under this section and section 4, article XIID of the California Constitution.

G. Public Hearing.

1. At the public hearing, the RD 784 Board of Trustees shall hear all public testimony regarding the proposed assessment and accept ballots until the close of the public hearing which hearing may be continued from time to time.
2. The RD 784 Board of Trustees may impose reasonable time limits on both the length of the entire hearing and the length of each speaker's testimony.
3. At the conclusion of the hearing, the RD 784 Board of Trustees shall direct the tabulation of the ballots, including those received during the public hearing.
4. If it is not possible to tabulate the ballots on the same day as the public hearing, or if additional time is necessary for public testimony, the RD 784 Board of Trustees may continue the public hearing to a later date to receive additional testimony, information or to finish tabulating the ballots; or may close the public hearing and continue the item to a future meeting to finish tabulating the ballots.
5. If according to the final tabulation of the ballots, ballots submitted against the assessment exceed the ballots submitted in favor of the assessment, weighted according to the proportional financial obligation of each affected property, a "majority protest" exists and the RD 784 Board of Trustees shall not impose the new assessment. In this case, the existing assessment(s) (see **Section 3**) will remain in place.
6. If according to the final tabulation of the ballots, ballots submitted against the assessment do not exceed the ballots submitted in favor of the assessment, weighted according to the proportional financial obligation of each affected property, a "majority protest" does not exist and the RD 784 Board of Trustees may further consider imposing the new assessment as a replacement for the existing assessment(s) (see **Section 3**).

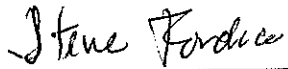
PASSED AND ADOPTED as a resolution of the Board of Trustees of Reclamation District No. 784 on May 7, 2019.

AYES: 3 Brown, Read and Danra
NOES: 0
ABSTAIN: 0
ABSENT: 1 Atwal



Rick Brown, Chair

ATTEST:



Steve Fordice, Secretary of the Board

APPROVED AS TO FORM:
GENERAL COUNSEL

By:



Jesse Barton

Attachments: Exhibit A: Form of Notice
Exhibit B: Form of Assessment Ballot

RECLAMATION DISTRICT NO. 784

RESOLUTION 2019-07-03

**RESOLUTION ADOPTING ASSESSMENT PURSUANT TO THE
BENEFIT ASSESSMENT ACT OF 1982**

WHEREAS, Reclamation District No. 784 (RD 784) is a California reclamation district organized and existing to operate and maintain levees and to provide drainage services protecting the Linda, Olivehurst, and Plumas Lake areas (the "Urban Levees"), as well as operating and maintaining levees protecting the Horseshoe Area (the "Rural Levees"); and

WHEREAS, RD 784 currently imposes an annual operations and maintenance assessment for these levee and internal drainage services; and

WHEREAS, the Three Rivers Levee Improvement Authority (TRLIA) is a joint powers authority created to assist RD 784 with improving certain levees operated and maintained by RD 784 as well as building a new Goldfields levee; and,

WHEREAS, TRLIA also imposes an annual operations and maintenance benefit assessment that provides additional funding to RD 784 that funds RD 784's operation and maintenance activities; and,

WHEREAS, RD 784 is proposing to levy a new assessment to fund internal drainage services and levee operation and maintenance activities of its Urban Levees (the "Services"); and

WHEREAS, RD 784's proposed new assessment will levy the assessments on properties that receive special benefit from the internal drainage system and the Urban Levees, as well as properties that will receive special benefit from the new Goldfields levee; and

WHEREAS, if approved by property owners, RD 784's proposed new assessment will be sufficient to replace both the current RD 784 assessment and the TRLIA assessment as early as Fiscal Year 2019/20, and will create administrative efficiencies for property owners; and

WHEREAS, TRLIA resolved to suspend its benefit assessment for operation and maintenance of TRLIA-improved levees upon the valid formation of RD 784's proposed new assessment; and

WHEREAS, RD 784 also resolved to suspend its existing operations and maintenance assessment if the proposed new assessment is approved by property owners; and

WHEREAS, RD 784's new assessment will provide special benefits to real properties within the boundaries of RD 784 (the "Properties");

WHEREAS, the boundaries of RD 784 include the Properties that receive special benefit from the Services and are shown as the East, West, Central and South Zones on the attached Boundary Map;

WHEREAS, RD 784 directed Larsen Wurzel & Associates, Inc. (“LWA”) to have a registered professional engineer certified by the State of California prepare a detailed Engineer’s Report establishing a methodology to determine and apportion the special benefit received by the Properties and allocate the cost of the Services in proportion to said special benefits. Such Engineer’s Report was prepared, with the preliminary final version thereof dated May 7, 2019 (the “Preliminary Engineer’s Report”), and such Preliminary Engineer’s Report fairly allocates the amount of each assessment to each parcel’s proportionate share of the public improvement or property related service based upon that parcel’s special benefit from the improvement or service in an amount proportionate to and no greater than the special benefits conferred on the property.

WHEREAS, pursuant to and in accordance with California Government Code Section 53753 and Section 4 of Article XIII.D. of the California Constitution, the Board of Trustees of RD 784 gave at least 45 days’ notice by mail to record owners of each parcel of land receiving benefit from the describe services within RD 784 boundaries of the date, time, and location of a public hearing on a proposed assessment under the Benefit Assessment Act of 1982 (the “Proposed Assessment”);

WHEREAS, such notice contained all of the information required by California Government Code Section 53753 and included an official ballot and summary of the procedures for the completion, return, and tabulation of the assessment ballots;

WHEREAS, the public hearing was held at the Yuba County Government Center on July 1, 2019, commencing at 6:30 p.m., at which public testimony was received regarding the Proposed Assessment, following which the public hearing was closed and the Board of Trustees of RD 784 considered all objections or protests to the Proposed Assessment;

WHEREAS, at the conclusion of the public hearing the assessment ballots submitted and not withdrawn were unsealed and tabulated in public view by LWA;

WHEREAS, at the conclusion of such tabulation, LWA publicly announced the votes for and against the Proposed Assessment, with votes weighted according to the proportional financial obligation of each affected property, as follows:

For Proposed Assessment \$391,855.44

Against Proposed Assessment \$286,315.80

WHEREAS, the votes in favor of the Proposed Assessment were in excess of the votes against the Proposed Assessment.

NOW, THEREFORE, BE IT RESOLVED, as follows:

1. The above recitals are true and correct.
2. The Preliminary Engineer’s Report is hereby approved and adopted as the Final Engineer’s Report for the Proposed Assessment. The Final Engineer’s Report sets forth a full and detailed description of the costs financed by the assessments,

the parcels to be assessed, and the proposed assessments upon assessable lots and parcels.

3. The Assessment as described in such Final Engineer's Report is hereby adopted and levied, effective this date. Such Assessment is intended to be levied annually, adjusted each year as provided in such Final Engineer's Report, and collected in the same manner as real property taxes by the Yuba County Tax Collector.
4. The Board of Trustees of RD 784 hereby specifies and describes the exterior boundaries of the land subject to such assessment to be coincidental with the East, West, Central, and South Zones as shown on the Boundary Map, which is hereby approved. The Boundary Map shall govern for all details as to the extent of the lands subject to such Assessment.
5. The existing annual operations and maintenance assessment for levee and internal drainage services shall be suspended for fiscal 2019-20 and as described in further detail in RD 784 Resolution 2019-03-01 adopted on March 5, 2019.
6. The assessment for fiscal year 2019-20 shall be levied at the rate as specified and in the manner described in the Final Engineer's Report for fiscal year 2019-20 with estimated total annual assessment revenues as set forth in the Final Engineer's Report.

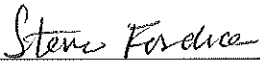
PASED AND ADOPTED as resolution of the Board of Trustees of the Reclamation District No. 784 on July 10, 2019.

AYES: 4 (Brown, Read, Danna, and Hestey)
NOES: 0
ABSTAIN: 0
ABSENT: 1 (Atwal)



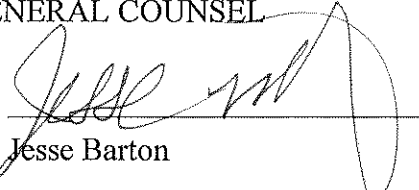
Rick Brown, Chair

ATTEST:



Steve Fordice, Secretary of the Board

APPROVED AS TO FORM:
GENERAL COUNSEL

By: 

Jesse Barton

TABLE OF CONTENTS

LIST OF TABLES	4
LIST OF EQUATIONS.....	4
LIST OF FIGURES	4
LIST OF APPENDICES	5
Section 1. Introduction	6
Background.....	6
Purpose of Engineer's Report.....	7
Report Organization	7
Section 2. Authority and Process.....	8
Section 3. Proposed Services and Funding Plan	10
Services Funded by the Assessment	10
Annual Budget for Services Provided by RD 784	10
Section 4. Assessment Methodology.....	12
General Discussion	12
Requirements of Proposition 218	12
Special Benefit vs. General Benefit.....	12
Proposed Assessment Boundary	13
Assessment Apportionment Methodology.....	13
Overview.....	13
Property Characteristics	14
Levee O&M Benefit Units.....	17
Internal Drainage Operations and Maintenance Benefit Units	19
Special Benefit Assessment Calculation.....	20
Assessment Calculation Steps	21
Assessment Tables.....	22
Assessment Equation.....	27

Example Assessment Calculations.....	28
Summary of Assessments.....	30
Special Considerations	30
Large Properties with Multiple Land Uses	30
Public Parcels.....	30
Assessment Exclusions	30
Minimum Assessment Amount	30
Updating the Assessment Roll.....	31
Section 5. Assessment Administration	32
Implementation.....	32
Schedule for Collection.....	32
Annual Escalation	32
Appeals of Assessments Levied to Property	32
Appeals Process.....	32
Impact of Appeals During Formation Period.....	33
Future Land Use Changes.....	33
Section 6. Conclusion	35
Appendix A: RD 784 FY 2019/2020 Budget	42
Appendix B: Proposed RD 784 Assessment Roll	44

LIST OF TABLES

Table 1: Proposed RD 784 District O&M Budget FY 2018/19.....	11
Table 2: Catalog of Land Use Categories	22
Table 3: Catalog of Structure Use Categories.....	22
Table 4: Land and Crop Damage Rate per Acre.....	23
Table 5: Land Flood Zone Factor.....	23
Table 6: Average Weighted Flood Depths	24
Table 7: Structure Damage per Square Foot (South Zone)	24
Table 8: Structure Flood Zone Factor	25
Table 9: Relative Runoff Factor	25
Table 10: Relative Damage Factor	26

LIST OF EQUATIONS

Equation 1: Parcel Levee Benefit Units	27
Equation 2: Parcel Drainage Benefit Units	27
Equation 3: Residual Floodplain Factor	27
Equation 4: Parcel Total Benefit Units.....	27
Equation 5: Proposed Parcel Assessment	27

LIST OF FIGURES

Figure 1: RD 784 LAFCO Service Area Reorganization Map	36
Figure 2: Levee Break Locations	37
Figure 3: RD 784 Benefit Zones.....	38
Figure 4: RD 784 Proposed Assessment Boundary and Drainage Service Boundary	39
Figure 5: RD 784 Residual Floodplain Parcels.....	40

LIST OF APPENDICES

Appendix A: RD 784 FY 2019/2020 Budget

Appendix B: Proposed RD 784 Assessment Roll

Section 1. Introduction

Background

Reclamation District 784 (RD 784 or the District) is a special district originally formed in 1908 and is responsible for providing levee and internal drainage services to an area in South Yuba County generally located east of the Feather River between the Yuba and Bear Rivers. RD 784 operates and maintains over 33 miles of levees along the Bear, Feather, and Yuba Rivers, as well as the Western Pacific Interceptor Canal (WPIC). The District is also responsible for operating and maintaining the internal drainage system which includes approximately 60 miles of canals and drainage ditches, 10 pump stations, and more than 55 acres of detention basins that collect and remove rain and storm waters. RD 784 currently generates revenue to maintain the levee system and drainage facilities through an existing operations & maintenance (O&M) assessment and with supplemental revenue for levee maintenance from assessments collected by the Three Rivers Levee Improvement Authority (TRLIA).

As described below, the two assessments currently supporting the services provided by RD 784 present funding restrictions that may hinder the providence of the necessary levee and internal drainage O&M services that ensure the safety and usefulness of lands within the district.

The current RD 784 assessment was first levied in 1998 under the Reclamation Act (CA Water Code §51200 – 51894). The Reclamation Act permitted the RD 784 Board to raise funds in any given year based on a fixed rate per assessed value (CA Water Code §51335). Prior to the passage of Proposition 218 in 1996, an annual adjustment to the assessment roll required only Board action and could be levied without property owner approval. However, after its passage, RD 784 has been unable to increase the fixed rate under this section of the Water Code, as an increase would violate the requirements of Proposition 218 (specifically Articles XIIC and XIID of the State Constitution and Government Code §53750 et. seq.). As a result, the current RD 784 assessment is not keeping pace with the rising cost of providing levee and internal drainage O&M services.

In 2009, TRLIA formed a benefit assessment district for the purpose of raising funds to provide maintenance and repair to levees, maintained by RD 784, that had been enhanced through a comprehensive levee improvement program. The funds generated by the TRLIA assessment were intended to cover the incremental O&M costs associated with TRLIA levee improvements above the then existing services provided by RD 784. The funds provide by TRLIA supplement the current RD 784 assessment revenue. The supplemental funding provided to RD 784 is based upon annual approval of the RD 784 levee maintenance budget by TRLIA. The current TRLIA assessment may be increased according to the change in the Consumer Price Index (CPI), however, can only be used to support levee O&M of TRLIA improved levees and cannot be used for O&M of drainage facilities or levees outside of the improvement program.

In addition to the funding restrictions presented by both the current RD 784 and TRLIA assessments, in May of 2018, the Yuba County Local Agency Formation Commission (LAFCO) issued a Certification of Completion which approved changes to the previous RD 784 district boundaries, see **Figure 1**. These include the annexation of parcels served by the future Goldfields Levee, the de-annexation of parcels no longer served due to the Feather River and Bear River setback levees, and the annexation of parcels which were islands within the previous boundary but not included within the District. While the annexed parcels receive services provided by RD 784, they cannot be assessed under the current assessment. Additionally, the de-annexed parcels are no longer within the RD 784 boundaries and, therefore, are no longer assessed.

Due to these factors, RD 784 is proposing to levy a new assessment under the Benefit Assessment Act of 1982 for levee and internal drainage to adequately fund the required operation and maintenance activities. The new proposed Levee

and Internal Drainage O&M Assessment (Proposed Assessment), if approved by land owners, would replace both the current RD 784 and TRLIA assessments beginning in Fiscal Year 2019/20.

Purpose of Engineer's Report

This Engineer's Report describes, in detail, the methodology for levying an assessment upon parcels that receive special benefit from the levee and internal drainage O&M services provided by RD 784. As further described within this report, the assessment is intended to provide RD 784 with sufficient funding to provide the annual O&M services necessary to maintain the levee and interior drainage systems, as well as establish a reserve to support routine repairs, rehabilitation, and replacement of the infrastructure.

Report Organization

This report is divided into six sections:

Section 1 Introduction, provides the background and purpose of this Engineer's Report.

Section 2 Authority and Process, outlines the authorization and process for imposing the proposed special assessment.

Section 3 Proposed Services and Funding Plan, describes the funding plan for levee and internal drainage operation and maintenance services.

Section 4 Assessment Methodology, details the methodology for levying an assessment that is proportional to the special benefits received by each parcel being assessed. All tables and equations referenced in the report are included in this section.

Section 5 Assessment Administration, describes how the assessment would be administered on an annual basis.

Section 6 Conclusion, provides the special benefit findings and certification by the Assessment Engineer. All figures referenced in the report are included after this section.

Section 2. Authority and Process

The Levee and Internal Drainage O&M Assessment would be imposed by RD 784 pursuant to the Benefit Assessment Act of 1982 (1982 Act) codified in California Government Code §§54703 – 54719. Under Government Code §54710(a), RD 784 is authorized to levy an assessment to finance the maintenance and operation costs for levees and drainage services. Furthermore under §54710.5, the assessment may include the cost of installation and improvement of the facilities providing the levee and drainage services. As further detailed in **Section 3**, the Proposed Assessment will finance the annual cost of operations and maintenance, as well as create a reserve for routine repairs, rehabilitation, and replacement of the drainage facilities.

Under Government Code §54711, the assessment must meet the following requirements:

1. The amount of the assessment imposed on any parcel must be related to the benefit received by the parcel;
2. The aggregate amount of the assessment cannot exceed the annual cost of providing the service; and
3. The revenue derived from the assessment must only be used for the services identified as the basis for assessment.

In addition, all special benefit assessments must also comply with Article XIID of the State Constitution, commonly referred to as Proposition 218, and the Proposition 218 Omnibus Implementation Act (Government Code §53750 et seq.). These requirements outline the process for imposing the Assessment, including the requirement that this Engineer's Report documents the special benefits conferred by the service provided, the process for imposing the Assessment, and property owner approval through a balloting process.

This Engineer's Report has been prepared to:

1. Contain the information required pursuant to Government Code §54716(a), including;
 - a. a description of the services proposed to be financed through the revenue derived from the Assessment;
 - b. a description of each lot or parcel of property to be subject to the Assessment;
 - c. the amount of the Proposed Assessment for each lot or parcel;
 - d. the basis of the Assessment; and,
 - e. the schedule of the Assessment;
2. Determine the special benefits received from the services provided by RD 784 by benefiting properties; and,
3. Assign a method of apportioning the Assessment to benefiting parcels.

Following submittal of this report to the RD 784 Board of Trustees (Board) for preliminary approval, the Board may, by resolution, call for an assessment ballot proceeding and public hearing on the establishment of the Proposed Assessment.

If the Board approves such a resolution, the secretary of the Board will initiate the notice, protest, and hearing procedure required by Government Code §54716 and Article XIID. A notice and assessment ballot will be mailed to property owners within the RD 784 boundaries. Such notice would include a description of the services to be funded by the Proposed Assessment, the Proposed Assessment amount for each parcel owned, the duration of the Assessment, an explanation of the method of voting on the Assessment, and the name and telephone number of the person designated by the Board to answer inquiries regarding the protest hearing. Each notice would also specify the date, time, and place of the public hearing and a summary of the ballot return procedures. Finally, each notice would include a ballot upon which the property owner can mark his or her approval or disapproval of the Proposed Assessment, as well as affix his or her signature, and a postage prepaid envelope in which to return the ballot.

Property owners will have at least 45 days to return the assessment ballots. On the last day of the balloting period, the public hearing will be held for the purpose of receiving public testimony regarding the Proposed Assessment. At the public hearing, property owners will have the opportunity to address the Board about the Proposed Assessment. Ballots must be submitted prior to the close of the public hearing. Property owners may also revise previously submitted ballots prior to the close of the public hearing.

If the votes received in favor of the Assessment outweigh the votes received opposing the Assessment (weighted by the proportional financial obligation of the property for which the ballots are submitted), the Board may continue with the process of imposing the Proposed Assessment and its future levy. If the assessments are so confirmed and approved by the Board, the Assessment roll would be submitted in future years to the County Auditor Controller for inclusion on the secured property tax rolls, or RD 784 may directly bill the property owner for the Assessment pursuant to Government Code §54718. As outlined in Government Code §53739, the Board may levy the Assessment in future years without conducting a new ballot proceeding so long as the Assessment is within the stated inflation-adjusted Assessment Rate authorized by the original balloting proceeding.

Section 3. Proposed Services and Funding Plan

Services Funded by the Assessment

The services to be funded by the Proposed Assessment include: (1) all levee operation and maintenance services that are required to ensure that the design level of flood protection is maintained over time for all levees protecting properties within the RD 784 boundaries (Levee O&M); and (2) all activities associated with the collection, conveyance, and discharge of storm water within the boundary of RD 784 (Internal Drainage O&M). The specific Levee O&M Service activities may include, but are not limited to, levee inspections and evaluations, debris cleanup, mowing and spraying for weed control, rodent control, levee patrols during warning and flood stages, resurfacing of levee roads when required to keep them passable for patrolling and maintenance purposes, replacing erosion protection materials as needed, and repair of the embankment to ensure levee integrity. The Internal Drainage O&M Services may include, but are not limited to, drainage canal maintenance, pump station operations and maintenance, and detention basin maintenance. In addition to the on-going performance of these services, the proposed assessment will also provide adequate reserves to support routine repair, rehabilitation, and replacement of facilities in order to ensure an adequate level of service over the duration of the Assessment. Collectively, these services are herein referred to as "District O&M Services."

It is anticipated that assessment revenues will increase due to development within the assessment district. The resulting additional incremental revenue may be used for repayment of local-share capital funding, including the issuance of bonds or other debt based on the additional revenue stream.

Annual Budget for Services Provided by RD 784

The annual revenue and expenses for District O&M Services have been estimated by RD 784 and provided to the Assessment Engineer. The budget is based on the current RD 784 expectation of costs based partially on historical expenses and partially on anticipated changes as a result of the completion of the Goldfields levee improvements. It should be noted that this budget was developed for the purpose of determining the annual revenue required for this proposed assessment. Future annual budgets approved by the RD 784 Board may vary from year to year according to actual anticipated expenses and revenues. **Table 1** on the next page provides a summary of the estimated Fiscal Year (FY) 2019/20 budget for District O&M Services.

Table 1: Proposed RD 784 District O&M Budget FY 2018/19

Budget Item	Existing Levees	Goldfields Levees	Interior Drainage	Total
Annual O&M				
Employee Salaries & Benefits	\$ 555,000	\$ 59,000	\$ 301,000	\$ 915,000
Administration	\$ 417,000	\$ 23,000	\$ 118,000	\$ 558,000
Operations	\$ 56,000	\$ 6,000	\$ 30,000	\$ 92,000
Pipe Crossings	\$ 18,000	\$ 15,000	\$ -	\$ 33,000
Urban Levees	\$ 66,000	\$ 1,000	\$ -	\$ 67,000
Pump Stations	\$ -	\$ -	\$ 426,000	\$ 426,000
Drainage Canals	\$ -	\$ 14,000	\$ 82,000	\$ 96,000
Detention Ponds	\$ -	\$ 14,000	\$ 93,000	\$ 107,000
Subtotal Annual O&M	\$ 1,112,000	\$ 132,000	\$ 1,050,000	\$ 2,294,000
Routine RR&R				
Equipment, Facilities and Buildings	\$ -	\$ -	\$ -	\$ -
Pipe Crossings	\$ 65,000	\$ 5,000	\$ 40,000	\$ 110,000
Urban Levees	\$ -	\$ -	\$ -	\$ -
Pump Stations	\$ 548,000	\$ 40,000	\$ -	\$ 588,000
	\$ -	\$ -	\$ 8,000	\$ 8,000
Subtotal Routine RR&R	\$ 613,000	\$ 45,000	\$ 48,000	\$ 706,000
Subtotal Routine RR&R	\$ 1,725,000	\$ 177,000	\$ 1,098,000	\$ 3,000,000

Section 4. Assessment Methodology

General Discussion

Requirements of Proposition 218

To levy an assessment for a property related service such as levee and internal drainage operations and maintenance, Proposition 218 requires the local agency to:

- Separate the general benefits from the special benefits conferred on a parcel;
- Identify the parcels that have special benefits conferred on them by the facility and/or service;
- Calculate the proportionate special benefit for each parcel in relation to the entirety of the Capital and O&M expenses being funded; and
- Ensure the assessment does not exceed the reasonable cost of the proportionate special benefit conferred on each parcel.

The following methodology has been developed in accordance with these requirements.

Special Benefit vs. General Benefit

Proposition 218 requires any local agency proposing to increase or impose a special assessment to “separate the general benefits from the special benefits conferred on a parcel.” (Cal. Const. art. XIID §4). The rationale for separating special and general benefits is to ensure that property owners are not charged a special benefit assessment in order to pay for general benefits provided to the general public or to property outside the assessment district. Thus, a local agency carrying out a project that provides both special and general benefits may levy an assessment to pay for the special benefits but must acquire separate funding to pay for the general benefits.¹

A special benefit is a particular and distinct benefit over and above the general benefits conferred on real property located in the district or to the public at large. The total cost of the services must be apportioned among the properties being assessed based on the proportionate special benefit the properties will receive. Moreover, the governmental agency must demonstrate through a balloting process that the ballots submitted in opposition to the assessment do not exceed the ballots submitted in favor of the assessment, weighted according to the proportional special benefit and financial obligation of the affected properties.

In this instance, the Levee and Internal Drainage O&M Services of RD 784 provide a special benefit only to those properties located within the district boundaries. Specifically, all parcels within RD 784 boundaries that are protected by urban levees receive a special benefit from the Levee O&M Services provided by RD 784 and some receive additional benefit from the Internal Drainage O&M Services provided by RD784. The District provides Levee O&M Services through the operation and maintenance of the levee system. This system protects properties from damages as a result of inundations due to an uncontrolled flood. The District provides Internal Drainage O&M Services through the operation and maintenance of a system of drainage canals, pump stations, and detention ponds. This system collects runoff from properties within the district and discharges excess drainage into the Feather River, Bear River, and Western Pacific

¹ *Silicon Valley Taxpayers' Assn., Inc. v. Santa Clara County Open Space Authority*, 44 Cal. 4th 431, 450; 2008

Interceptor Canal. The removal of surface water prevents flooding and ponding of water that would otherwise damage or limit the usefulness of the properties located within the district.

The special benefit provided to each parcel within the RD 784 boundary varies based on parcel size, parcel use, improvements on the parcel, and the services required to collect and discharge the stormwater runoff from the parcel.

The Levee and Internal Drainage O&M Services provided by RD 784 are a special benefit and not a general benefit. As noted above, special benefits are those “particular and distinct over and above general benefits conferred on real property located in the district or to the public at large.” (Cal. Const. art. XIID §2(i)). Because the services and facilities protect particular, identifiable parcels (including any appurtenant facilities or improvements) from damage and/or loss of usefulness due to inundation, the benefits are provided directly to those parcels, and to none other. By contrast, general benefits provided to the public at large are discussed in terms of general enhanced property values, provision of general public services such as police and fire protection, and recreational opportunities that are available to people regardless of the location of their property. (See, e.g., Cal. Const. art. XIID §§2(i), 6(2)(b)(5); Silicon Valley Taxpayers, 44 Cal. 4th 431. 450–456).

The issue surrounding general benefits merits further discussion because Levee and Internal Drainage O&M Services have an obvious indirect relation to the very provision of general benefits. For example, the facilities and services will protect parks and schools that are used by people regardless of whether they live in the benefit area or not. But this indirect relation does not mean that the services themselves will provide any general benefits. Instead, the services will provide direct special benefits to the public parcels themselves (such as parks and schools), and not benefits to the public at large.

Put differently, specially benefited property owners’ assessments will not be used to subsidize general benefits provided to the public at large or to property outside the RD 784 boundaries. All property that receives a special benefit from RD 784’s services will be assessed, including parks, schools, city facilities, and other parcels, even though these parcels may be used in the provision of general benefits.

Proposed Assessment Boundary

All parcels within RD 784 boundaries receiving special benefit from the operation and maintenance of the District’s urban levee system and internal drainage facilities are within the urban benefit area of the proposed assessment. Parcels protected by rural levees located within the District (see Rural Levee Zone on **Figure 3**), specifically, properties in the south-east behind the commonly referred to Horseshoe Levee, do not receive benefit under this assessment and have been excluded from this report. An assessment for the Rural Levee Zone would be the subject of a separate process.

All parcels under this assessment receive special benefit from RD 784 Levee O&M Services. Conversely, only a portion of those parcels also receive special benefit from the Internal Drainage O&M Services. Only parcels located within the District’s internal drainage service area were apportioned special benefit associated with the Internal Drainage O&M Services.

Figure 4 provides a map of the Proposed Assessment Boundary and the Drainage Service Boundary.

Assessment Apportionment Methodology

Overview

The methodology for apportioning the annual assessment is based on calculating the number of total benefit units for each parcel according to the special benefit received from each service provided by the District. The benefit conveyed

to a parcel by the Levee O&M Services is based on the flood damage reduction received by the parcel due to the decreased likelihood of deep flooding caused by a levee failure. Where applicable, the benefit conveyed to a parcel by the Internal Drainage O&M Services is based on the relative property damage reduction from shallow flooding due to internal drainage system failure(s) and the relative quantity of drainage runoff contributed to the system.

The level of effort required to perform Levee O&M Services and Internal Drainage O&M Services is, on average, the same. The level of effort will vary from year to year, but over a period of 10 or more years, the level of effort is the same. Both services are required to remove properties within the basin from the Special Flood Hazard Area and avoid mandatory flood insurance requirements under the National Flood Insurance Program. Therefore, both services provide an equal amount of special benefit to parcels within the urban portion District.

The assessment is apportioned across the District based on the following equation:

$$TBU = LBU + (DBU \times EF)$$

Where:

TBU = Total Benefit Units

LBU = Levee O&M Benefit Units

DBU = Internal Drainage O&M Benefit Units

DEF = Drainage Equalization Factor

The Levee O&M Benefit Unit methodology utilizes the following property characteristics:

1. The size (acreage) of each parcel;
2. The Land Use Category assigned to each parcel;
3. The Structure Use Category assigned to each parcel;
4. The size (square footage) of the structure(s);
5. The Land and Crop Damage Reduction Rate per acre;
6. The Structure Damage Reduction Rate per square foot; and
7. The Benefit Zone Factor.

The Internal Drainage O&M Benefit Unit methodology utilizes the following property characteristics:

1. The size (acreage) of each parcel.
2. The Land Use Category assigned to each parcel;
3. The Relative Runoff Factor assigned to each Land Use Category; and
4. The Relative Property Damage Factor assigned to each Land Use Category.

The rates and factors for calculating LBU and DBU are not the same, which results in a large order of magnitude difference between the quantity of LBU versus DBU. Therefore, as described above, the Drainage Equalization Factor is utilized to ensure that half of the total benefit conveyed by the District is attributed to Levee O&M Services and the other half to Interior Drainage O&M Services.

Property Characteristics

Parcel Size

The size of the parcel is used to appropriately apportion the special benefit from both Levee O&M and Interior Drainage O&M Services. Parcel data was obtained from Yuba County Assessor's data acquired through ParcelQuest. Because the

Yuba County Assessor's office does not record parcel sizes under one acre (and therefore does not report them to ParcelQuest), parcel data was also obtained from GIS files prepared by Yuba County Information Technology Division. This data contained parcel sizes for all parcels. For parcels missing size data the GIS file size data was utilized. For parcels larger than one acre, the size data from the two sources was compared and it was found that there were minimal significant variances and, therefore, the Yuba County Assessor's office data was used. Where appropriate, possible parcel size discrepancies were resolved by researching variances using aerial photographs and measuring tools.

Generally, Single-Family Residential parcels are smaller in size and tend to have standard lot sizes similar to one another, whereas, other Land Use Categories are generally larger and vary greatly in size. Because of this, and to compensate for potential, slight variations in the size data from the Yuba County GIS file, Single-Family Residential parcels were standardized as follows:

- Less than 0.2 acres were rounded to a standard lot size of 0.16 acres;
- Greater than or equal to 0.2 acres but less than 0.3 acres were rounded to a standard lots size of 0.25 acres; and
- Great than 0.3 acres were not adjusted.

Parcels located along the boundary of the District were reviewed and acreages were adjusted as necessary to remove any portion beneath a levee footprint.

Land Use Categories

Multiple land use codes are used by the Yuba County Assessor to categorize the properties within RD 784. Each land use code was evaluated and assigned to a generalized Land Use Category (e.g.: agricultural, residential, commercial, industrial, etc.) for the purpose of identifying the characteristics of all parcels within each category for use in apportioning special benefit. A random 10% sample of parcels for each County land use code was analyzed by reviewing aerial photographs to ensure that it had been assigned to the appropriate Land Use Category. Additional land use categories were added to classify parcels that were vacant, open space, or otherwise dissimilar from the generalized land use categories. The Land Use Categories are generally described as follows:

Agricultural land was further categorized as having either permanent or non-permanent crops.

Permanent Crops are defined as those which yield from the same plants for more than a single year. This category includes orchards and vineyards.

Non-Permanent Crops are defined as those which yield from the same plants for a single year or less. This category includes row crops, rice, and pasture land.

Single-Family Residential properties are characterized by three or fewer single-family dwelling structures on a parcel. This Land Use Category includes land with duplex and triplex buildings as they generally have the same characteristics as a single-family residence. This category also includes individual parcels with Mobile Home Residential structures. For Large-Lot Single-Family parcels and rural residential properties, the first 0.25 acre is treated the same as a Single-Family Residential property and the additional acreage is treated as Open Space to appropriately apportion benefit cording to general property characteristics observed in the District.

Multi-Family Residential is characterized as four or more dwelling units on a parcel. This Land Use Category includes apartments, condominiums, and townhouses.

Mobile Home Park is exclusively properties designed specifically for multiple mobile home structures.

Mobile Home Residence is exclusively assigned to mobile home structures located in either a Mobile Home Park or on private property. Yuba County designates such residences with APNs beginning with "910". These APNs are

assigned solely to the mobile home structure and are not associated with any land. Because of this, these APNs are assigned zero acreage.

Commercial is characterized by properties with retail or public service buildings. This Land Use Category includes hotels, shopping centers, restaurants, offices, hospitals, etc.

Industrial is characterized by manufacturing and processing facilities. This Land Use Category includes warehousing, manufacturing, processing, distributors, and public utilities.

School / Library consists of properties that are typically for public use and with distinct mixed uses across the parcel. Because of the unique composition of the mixed use on these parcels these lands were specifically analyzed for the use of a Blended Land Use as described below.

Vacant Developed is characterized by properties that do not have a structure, however, are generally ready to be built on. This Land Use Category includes parcels in developed areas that have been prepared for construction as well as parking lots.

Vacant Undeveloped is characterized by properties that do not have structures and are generally not ready to be built on. This Land Use Category includes residential, commercial, and industrial parcels that have not been prepared for construction.

Open Space is characterized by properties that do not have structures and are not intended to be developed or are developed as intended. Generally, these properties have low runoff due to vegetation such as grass or trees. This Land Use Category includes parks, sports fields, bike paths, common areas, etc.

A **Blended** Land Use Category was used as necessary to properly apportion the benefit received by larger parcels over which multiple land uses were apparent. The Blended Land Use Category was typically used for schools and churches, however, it was applied on any parcel with a variety land attributes such as the Yuba County Airport.

District Works parcels are those that provide Levee or Internal Drainage Services. These parcels do not receive a special benefit from the Assessment. An example of this would be the underlying parcel of a detention pond, where the detention pond is not apportioned special benefit because it is utilized to provide Internal Drainage Services.

Table 2 summarizes the catalog of Land Use Categories and the total number and acreage of parcels associated with each category.

Structure Use Category

Typically, the Structure Use Category for each parcel is matched with the Land Use Category assigned to that parcel. However, where appropriate, the Structure Use Category was adjusted to reflect the actual type of structure located on the property. For example, a parcel could have a Single-Family Residential land use assigned but the structure is a Mobile Home. Similarly, for the Blended Land Use Category, the appropriate Structure Use Category was identified for each structure on the property. For school properties with temporary/portable buildings, the Mobile-Home Residential Structure Use Category was applied for these structures.

Structure Size

The assessment methodology uses the structure size (square-footage) to apportion the special benefit. Structure sizes were obtained from Yuba County Assessor's data acquired through ParcelQuest. Additionally, aerial photographs were analyzed to verify the existence of structures and quantify the size of any structures not included in by Yuba County

Assessor's data. For Mobile-Home Residential Structures, where structure size data was missing from the Yuba County Assessor's data, a minimum structure size of 800 square feet was assigned.

Table 3 summarizes the catalog of Structure Use Categories and the total number of parcels with and square footage of structures associated with each category.

Residual Floodplain

Within the district, certain properties are located within the residual floodplain that has been mapped by the Federal Emergency Management Agency (FEMA), as shown in **Figure 5**. The District Engineer has estimated that ponding will occur on these properties as a result of a 20-year or greater storm event. Therefore, these properties will receive a reduced benefit from the interior drainage service provided by RD 784.

Levee O&M Benefit Units

Levee O&M Benefit Units (LBU) are equal to the avoided flood damage to a parcel due to the Levee O&M Services provided by RD 784. For the purpose of this assessment, flood damages were quantified for land damages, crop damages, and structure damages based on the average weighted depth of flooding within each Benefit Zone (discussed below).

The LBU for each property is calculated using the following equation:

$$LBU = \left(\left[\begin{matrix} \text{Property} \\ \text{Size} \end{matrix} \right] \times \left[\begin{matrix} \text{Land and Crop} \\ \text{Damage Rate} \end{matrix} \right] \times \left[\begin{matrix} \text{Land Flood} \\ \text{Zone Factor} \end{matrix} \right] \right) + \left(\left[\begin{matrix} \text{Structure} \\ \text{Size} \end{matrix} \right] \times \left[\begin{matrix} \text{Structure} \\ \text{Damage Rate} \end{matrix} \right] \times \left[\begin{matrix} \text{Structure Flood} \\ \text{Zone Factor} \end{matrix} \right] \right)$$

Assessor Data
Table 4
Table 5
Assessor Data
Table 7
Table 8

Land and Crop Damage Rate

To determine the Land Damage Rate per acre, each Land Use Category was assigned a Relative Land Value as determined previously in the *Three Rivers Levee Improvement Authority Engineer's Report*, dated May 28, 2009. Although these land values were determined in 2009, any changes in value would be relatively the same between each Land Use Category. Land Damage was calculated by multiplying the Percent Land Damage by the Relative Land Value. To ensure that the relative weight of the Land Damage as compared to the Structure Damage (discussed below) was appropriate, the Assessment Engineer determined that the percent land damage should be 10%.

Crop Damage Rates for Permanent and Non-Permanent crops were obtained from the *2012 Central Valley Flood Protection Plan, Attachment 8F: Flood Damage Analysis* produced by the State of California Department of Water Resources (DWR), dated June 2012 (*2012 CVFPP, A8F*). **Table 4** provides the calculation of the Land and Crop Damage Rate per acre for each Land Use Category.

Benefit Zones

The urban area benefiting from the Levee O&M Services provided by RD 784 is divided into four benefit zones based on maximum flood depths identified from the levee breach analysis presented in MBK Engineers' *Technical Memorandum: Reclamation District 784 Assessment District Update*, dated June 19, 2018 (MBK Tech Memo). MBK's analysis consisted of eight (8) levee breaks at locations that are representative of a break anywhere along the levee system. **Figure 2** provides a map of the levee break locations used in the analysis. Geographical areas with similar maximum flood depths were grouped into the resulting Benefit Zones shown in **Figure 3**.

Land Flood Zone Factor

The Land and Crop Damage Rates above are calculated regardless of the depth of flooding expected from a levee break and do not account for the Benefit Zones. In order to prorate the risk of levee failure for each Benefit Zone, MBK analyzed each levee break separately to determine the average flood depth within each Benefit Zone and the length of levee wherein a break would produce similar results. To account for the variance of the risk and severity of flooding in each Benefit Zone, the Land and Crop Damage Rates are multiplied by the Land Flood Zone Factor. This factor is based on the length of levee associated with each levee break from the MBK Tech Memo that results in an average flood depth greater than one foot. Flood depths of one foot or less do not cause significant damages to the land or crops and, therefore, are not included in calculation for the Land Flood Zone Factor. The total length of levee resulting in flood depths great than one foot is divided by the total length of urban levees maintained by the District to determine the Land Flood Zone Factor for each Benefit Zone. **Table 5** provides the calculation of the Land Flood Zone Factor.

Average Weighted Flood Depth

Although the benefit zones were derived from the maximum flood depth from all eight levee breaks, the special benefit received by each property is in proportion to the risk of flooding from a levee break anywhere along the levee system.

The flood risk for a particular property is dependent on where the property is located. For example, a property in the East Zone is not at risk of flooding by a levee break in the southern end of the District, while a property in the South Zone is at risk of flooding by a break anywhere in the system.

As discussed, in order to prorate the risk of levee failure for each Benefit Zone, MBK analyzed each levee break separately to determine the average flood depth within each Benefit Zone and the length of levee wherein a break would produce similar results. The total sum of the product of average flood depth and associated length of levee for each break was divided by the total length of urban levees maintained by the District to determine the Average Weighted Flood Depth for each Benefit Zone. The calculations for determining the Average Weighted Flood Depth for each Benefit Zone is provided in **Table 6**.

Structure Damage Rate

For ease of explanation, in this report, the combine avoided damage to both the structure and contents are referred to as just the Structure Damage. To determine the Structure Damage Rate per square foot, the following were used:

1. Average Weighted Flood Depth from the MBK Tech Memo (discussed previously);
2. Content-to-Structure Ratios found in the *2012 CVFPP, A8F*;
3. Structure and Content Damage Functions found in the *2012 CVFPP, A8F, Appendix C – Structure and Content Damage Functions*.
4. Relative Structure Value per Square Foot found in the *2012 CVFPP, A8F, Appendix B – Marshall & Swift Valuation Tables*.

Table 7 provides the calculation of the Structure Damage Rate per Square Foot for each Land Use Category based on the Average Weighted Flood Depth in South Zone.

Structure Flood Zone Factor

The Structure Damage Rates described above are calculated at the Average Weighted Flood Depth for the South Zone which experiences the deepest flooding. To account for the variance of the risk and severity of flooding in each Benefit Zone, the Structure Damage Rates are multiplied by the Structure Flood Zone Factor. This factor is based on the relative

percent damage of a Single-Family Residential Structure using the Average Weighted Flood Depths for each Benefit Zone from **Table 6**. **Table 8** provides the calculation of the Structure Flood Zone Factor.

Internal Drainage Operations and Maintenance Benefit Units

The DBU for each property is calculated using the following equation:

$$DBU = \left[\begin{matrix} \textit{Property} \\ \textit{Size} \end{matrix} \right] \times \left[\begin{matrix} \textit{Relative Runoff} \\ \textit{Factor} \end{matrix} \right] \times \left[\begin{matrix} \textit{Relative Damage} \\ \textit{Factor} \end{matrix} \right] \times \left[\begin{matrix} \textit{Residual Floodplain} \\ \textit{Factor} \end{matrix} \right]$$

Assessor Data
Table 9
Table 10
Equation 3

As stated previously, not all parcels within the district receive special benefit from the Internal Drainage O&M Services. Properties that do not receive benefit from these services have zero (0) DBU.

Relative Runoff Factor

To properly apportion benefit based on the relative quantity of runoff from each property, each Land Use Category was assigned a Runoff Coefficient to compare the quantity of runoff per acre between Land Use Categories. The Runoff Coefficient is a function of the percent impervious cover over the entire parcel. Therefore, Land Use Categories with higher relative runoff coefficients (e.g., Commercial) receive a relatively greater benefit because a greater quantity of runoff is generated per acre than those with lower relative runoff coefficients (e.g., Open Space). The Runoff Coefficient was standardized to Single-Family Residential to calculate the Relative Runoff Factor.

Single-Family Residential properties greater than 0.25 acres are assessed by treating the first 0.25 acres as Single-Family Residential and the remaining acreage as Open Space.

As described in the Land Use Categories sections, a Blended rate was used as necessary to properly apportion the benefit received by larger parcels over which multiple land uses were apparent, specifically including schools, libraries, and parks. **Table 9** provides the calculation of the Relative Runoff Factor for each Land Use Category.

Relative Damage Factor

The special benefit received by each parcel is proportional to the flood damage to the property that would otherwise occur without the interior drainage services provided by RD 784. To properly apportion the flood damage benefit, each Land Use Category was assigned a relative flood damage factor.

- **Single-Family Residential** (less than or equal to 0.25 acres) and **Multi-Family Residential** properties are used as a baseline and, therefore, assigned a Relative Damage Reduction Factor of 1.0.
- **Large Lot Single-Family Residential** properties greater than 0.25 acres are assessed by treating the first 0.25 acres as Single-Family Residential and the remaining acreage as Open Space.
- **Commercial** and **Industrial** properties are assigned a Relative Damage Reduction Factor of 1.6. This increase was based on a comparison of the U.S. Army Corps of Engineers' depth damage curves for structure and contents for Commercial and Industrial properties relative to Single-Family Residential for shallow flooding of 2 feet or less.
- For **Agricultural**, **Vacant Developed**, and **Open Space** properties, the Relative Damage Reduction Factor is determined to be 0.1 to account for minor damage to irrigation facilities, landscape damage, and/or minor erosion damage.
- The Relative Damage Reduction Factor for **Vacant Developed** and **Mobile Home Park** properties is increased to 0.25 to account for increased damage to utilities, parking areas, and other site improvements.

- As described in the Land Use Categories sections, a **Blended** rate was used as necessary to properly apportion the benefit received by larger parcels over which multiple land uses were apparent specifically including schools, libraries, and parks.

Table 10 provides the Relative Damage Factor by Land Use Category.

Residual Floodplain Factor

Stormwater from a 20-year or greater event is expected to pond on properties located within the residual floodplain. As a result, the portion of parcels located within the residual Floodplain receive 20% of the interior drainage benefit compared to properties located outside of the residual floodplain. To account for this reduction in benefit, the Residual Floodplain Factor is applied to reduce the internal drainage benefit for those parcels that will remain fully or partially within the residual floodplain. Aerial photographs were used to determine the percentage of the total acreage of each parcel located within residual floodplain.

The Residual Floodplain Factor is calculated using the following equation:

$$\text{Residual Floodplain Factor} = \frac{(\%Out \times Property\ Size) + (\%In * Property\ Size * 20\%)}{Property\ Size}$$

In the above formula, the “%Out” is the percentage of the property that is outside of the Residual Floodplain. Conversely, the “%In” is the percentage of the property that remains in the Residual Floodplain.

Drainage Equalization Factor

The rates and factors for calculating the benefit associated with LBU and DBU are not the same, which results in a large order of magnitude difference between the quantity of total LBU versus DBU. Therefore, an Equalization Factor is applied to the DBU to appropriately attribute half of the benefit conveyed by the District to each Levee O&M Services and Internal Drainage O&M Services, as described previously in the *Overview* section.

The Drainage Equalization Factor is a unitless multiplier calculated using the following equation:

$$DEF = [Total\ LBU] \div [Total\ DBU]$$

The DEF is equal to **375,548.86**.

Special Benefit Assessment Calculation

As described above, the annual revenue required to continue to provide the Services without incurring debt is \$3 million. A detailed budget is provided in **Appendix A**.

To determine the proposed assessment for an individual parcel, the amount of Total Benefit Units (TBU) for the parcel calculated based on the methodology described above is multiplied by the assessment rate per TBU. The proposed assessment rate per TBU is equal to the required annual revenue divided by the total quantity of TBUs from all parcels. All factors to calculate the Parcel TBU can be found in the tables provided above.

The proposed assessment for an individual parcel can be expressed by the following equation:

$$[Proposed\ Parcel\ Assessment] = [Parcel\ TBU] * [Assessment\ Rate\ per\ TBU]$$

The Assessment Rate required to collect the required annual revenue is **\$0.001414** per TBU. Consistent with CA Water Code §51335.5, a minimum assessment of \$25 per parcel will be applied.

Assessment Calculation Steps

Using the proposed parcel assessment equation, TBU equation, LBU equation, DBU equation, parcel acreage, structure size(s) Land and Crop Damage Rate from **Table 4**, Land Flood Zone Factor from **Table 5**, Structure Damage Rate from **Table 7**, Structure Flood Zone Factor from **Table 8**, Relative Runoff Factor from **Table 9**, Relative Damage Factor from **Table 10**, and the steps listed below, an individual parcel's assessment for either a current land use or potential future land use can be calculated.

Assessments are rounded down to the closest multiple of \$0.02 as required by the Yuba County Assessor's office for submission of the special assessment roll for collection on County Property Tax Bills.

- Step 1 – Determine the Land Use Category, Structure Use Category, Benefit Zone, and drainage service.
- Step 2 – Using **Table 4**, determine the Land and Crop Damage Rate per Acre.
- Step 3 – Using **Table 5**, determine the Land Flood Zone Factor.
- Step 4 – Using **Table 7**, Structure Damage Rate per Square Foot.
- Step 5 – Using **Table 8**, determine the Structure Flood Zone Factor.
- Step 6 – Calculate the Parcel **LBU** using **Equation 1**.
- Step 7 – Using **Table 9**, determine the Relative Runoff Factor.
- Step 8 – Using **Table 10**, determine the Relative Damage Factor.
- Step 9 – Calculate the Residual Floodplain Factor using **Equation 3**.
- Step 10 – Calculate the Parcel **DBU** using **Equation 2**.
- Step 11 – Calculate the Parcel **TBU** using **Equation 4**.
- Step 12 – Calculate the parcel assessment using **Equation 5**.
- Step 13 – Round down to the closest multiple of \$0.02. Raise up to \$25 if it is less than this minimum.

Assessment Tables

Table 2: Catalog of Land Use Categories

Land Use Category	Total Number of Parcels	Total Parcel Acreage
Agriculture	258	15,344
<i>Permanent</i>	<i>140</i>	<i>6,051</i>
<i>Non-Permanent</i>	<i>118</i>	<i>9,293</i>
Single-Family Residential	11,534	5,114
Multi-Family Residential	129	111
Mobile Home Park	14	111
Mobile Home Residence	308	0
Commercial	215	277
Industrial	68	485
Vacant Developed	1,941	2,336
Vacant Undeveloped	172	1,921
Open Space	150	924
Blended	39	1,548
Totals	15,086	43,515

Table 3: Catalog of Structure Use Categories

Structure Use Category	Total Parcels With Structures	Total Structure Square Footage
Agriculture	240	205,100
Single-Family Residential	10,483	17,251,529
Multi-Family Residential	129	446,773
Mobile Home Residential	1,409	1,249,183
Commercial	220	1,330,998
Industrial	69	1,020,166
School / Library	12	436,372
Vacant Developed	1,939	286,353
Vacant Undeveloped	171	2,200
Open Space	151	1,400
Blended	9	331,740
Totals	14,832	22,561,814

Table 4: Land and Crop Damage Rate per Acre

Land Use Category	Percent Land Damage	Relative Land Value per Acre	Land Damage per Acre	Crop Damage per Acre	Land & Crop Damage Rate per Acre
	A	B	C=A*B	D	E=C+D
Agriculture					
Permanent	10%	\$10,000	\$1,000	\$3,000	\$4,000
Non-Permanent	10%	\$10,000	\$1,000	\$500	\$1,500
Single-Family Residential					
First 1/4 Acre	10%	\$50,000	\$5,000	\$0	\$5,000
Over 1/4 Acre	10%	\$20,000	\$2,000	\$0	\$2,000
Multi-Family Residential	10%	\$75,000	\$7,500	\$0	\$7,500
Mobile Home Park	10%	\$50,000	\$5,000	\$0	\$5,000
Mobile Home Residence	0%	\$0	\$0	\$0	\$0
Commercial	10%	\$75,000	\$7,500	\$0	\$7,500
Industrial	10%	\$75,000	\$7,500	\$0	\$7,500
Vacant Developed	10%	\$50,000	\$5,000	\$0	\$5,000
Vacant Undeveloped	10%	\$20,000	\$2,000	\$0	\$2,000
Open Space	10%	\$20,000	\$2,000	\$0	\$2,000

Source: 2012 Central Valley Flood Protection Plan, Attachment 8F: Flood Damage Analysis produced by the State of California Department of Water Resources (DWR), dated June 2012 (2012 CVFPP, A8F)

Table 5: Land Flood Zone Factor

Levee Breach	Associated Length of Levee	South Zone		West Zone		Central Zone		East Zone	
		Avg. Depth	Depth x Length	Avg. Depth	Depth x Length	Avg. Depth	Depth x Length	Avg. Depth	Depth x Length
	A	B	C = (B) x (A)	D	E = (D) x (A)	F	G = (F) x (A)	H	I = (H) x (A)
Location 1	16,703	0.60	0	1.30	16,703	0.82	0	1.18	16,703
Location 2	11,136	3.81	11,136	3.89	11,136	2.36	11,136	2.19	11,136
Location 3	3,145	16.90	3,145	7.19	3,145	3.11	3,145	1.33	3,145
Location 4	23,200	16.96	23,200	5.12	23,200	2.88	23,200	0.00	0
Location 5	31,380	15.79	31,380	2.92	31,380	2.62	31,380	0.00	0
Location 6	27,692	11.41	27,692	0.00	0	0.17	0	0.00	0
Location 7	33,264	8.64	33,264	0.00	0	0.00	0	0.00	0
Location 8	14,045	2.55	14,045	2.29	14,045	1.46	14,045	1.50	14,045
Totals	160,565		143,862		99,609		82,906		45,029
Land Flood Zone Factor [1]		= sum(C) / sum(A)		= sum(E) / sum(A)		= sum(G) / sum(A)		= sum(I) / sum(A)	
		0.90		0.63		0.52		0.28	

Source: Technical Memorandum: Reclamation District 784 Assessment District Update produced by MBK Engineers, dated June 19, 2018

[1] Rounded to two significant digits.

Table 6: Average Weighted Flood Depths

Levee Breach	Associated Length of Levee	South Zone		West Zone		Central Zone		East Zone	
		Avg. Depth	Depth x Length	Avg. Depth	Depth x Length	Avg. Depth	Depth x Length	Avg. Depth	Depth x Length
	A	B	C = (B) x (A)	D	E = (D) x (A)	F	G = (F) x (A)	H	I = (H) x (A)
Location 1	16,703	0.60	10,022	1.30	21,714	0.82	13,696	1.18	19,710
Location 2	11,136	3.81	42,428	3.89	43,319	2.36	26,281	2.19	24,388
Location 3	3,145	16.90	53,151	7.19	22,613	3.11	9,781	1.33	4,183
Location 4	23,200	16.96	393,472	5.12	118,784	2.88	66,816	0.00	0
Location 5	31,380	15.79	495,490	2.92	91,630	2.62	82,216	0.00	0
Location 6	27,692	11.41	315,966	0.00	0	0.17	4,708	0.00	0
Location 7	33,264	8.64	287,401	0.00	0	0.00	0	0.00	0
Location 8	14,045	2.55	35,815	2.29	32,163	1.46	20,506	1.50	21,068
Totals	160,565		1,633,744		330,222		224,003		69,348
Average Weighted Flood Depth [1]		= sum(C) / sum(A)		= sum(E) / sum(A)		= sum(G) / sum(A)		= sum(I) / sum(A)	
		10.18		2.06		1.40		0.43	

Source: Technical Memorandum: Reclamation District 784 Assessment District Update produced by MBK Engineers, dated June 19, 2018

[1] Rounded to two significant digits.

Table 7: Structure Damage per Square Foot (South Zone)

Structure Use Type	Contents to Structure Ratio	Structure Damage	Content Damage	Relative Structure Value Per SF	Structure & Content Flood Damage Rate [1]
	A	B	C	D	E=(B*D)+(A*C*D)
Agriculture	89.00%	55.64%	100.00%	\$30	\$43.39
Single-Family Residential	38.00%	73.64%	38.56%	\$85	\$75.05
Multi-Family Residential	50.00%	73.64%	38.56%	\$55	\$51.11
Mobile Home Residential	50.00%	96.50%	99.00%	\$35	\$51.10
Commercial	51.00%	55.64%	100.00%	\$80	\$85.31
Industrial	188.00%	55.64%	100.00%	\$40	\$97.46
School / Library	38.00%	55.64%	100.00%	\$125	\$117.05
Vacant Developed	0.00%	0.00%	0.00%	\$0	\$0.00
Vacant Undeveloped	0.00%	0.00%	0.00%	\$0	\$0.00
Open Space	0.00%	0.00%	0.00%	\$0	\$0.00

Source: 2012 Central Valley Flood Protection Plan, Attachment 8F: Flood Damage Analysis produced by the State of California Department of Water Resources (DWR), dated June 2012 (2012 CVFPP, A8F)

[1] Rounded to two significant digits.

Table 8: Structure Flood Zone Factor

Benefit Zone	Average Weighted Flood Depth	SFR Structure & Content Damage	Drainage Flood Zone Factor [1]
	A	B	C=B/73.6%
South Zone	10.18	73.60%	1.00
West Zone	2.06	32.58%	0.44
Central Zone	1.40	25.06%	0.34
East Zone	0.43	15.55%	0.21

[1] Rounded to two significant digits.

Table 9: Relative Runoff Factor

Land Use Category	Relative Runoff Coefficient	Relative Runoff Factor [1]
	A	B=A/0.70
Agriculture		
Permanent	0.10	0.14
Non-Permanent	0.10	0.14
Single-Family Residential		
First 1/4 Acre	0.70	1.00
Over 1/4 Acre	0.30	0.43
Multi-Family Residential	0.70	1.00
Mobile Home Park	0.70	1.00
Mobile Home Residence	0.00	0.00
Commercial	0.90	1.29
Industrial	0.90	1.29
Vacant Developed	0.90	1.29
Vacant Undeveloped	0.30	0.43
Open Space	0.30	0.43

[1] Rounded to two significant digits.

Table 10: Relative Damage Factor

Land Use Category	Relative Damage Factor
Agriculture	
Permanent	0.10
Non-Permanent	0.10
Single-Family Residential	
First 1/4 Acre	1.00
Over 1/4 Acre	0.10
Multi-Family Residential	1.00
Mobile Home Park	0.25
Mobile Home Residence	0.00
Commercial	1.60
Industrial	1.60
Vacant Developed	0.25
Vacant Undeveloped	0.10
Open Space	0.10

Assessment Equation

Equation 1: Parcel Levee Benefit Units

$$LBU = \left(\left[\begin{array}{c} \text{Property} \\ \text{Size} \end{array} \right] \times \left[\begin{array}{c} \text{Land and Crop} \\ \text{Damage Rate} \end{array} \right] \times \left[\begin{array}{c} \text{Land Flood} \\ \text{Zone Factor} \end{array} \right] \right) + \left(\left[\begin{array}{c} \text{Structure} \\ \text{Size} \end{array} \right] \times \left[\begin{array}{c} \text{Structure} \\ \text{Damage Rate} \end{array} \right] \times \left[\begin{array}{c} \text{Structure Flood} \\ \text{Zone Factor} \end{array} \right] \right)$$

Assessor Data
Table 4
Table 5
Assessor Data
Table 7
Table 8

Equation 2: Parcel Drainage Benefit Units

$$DBU = \left[\begin{array}{c} \text{Property} \\ \text{Size} \end{array} \right] \times \left[\begin{array}{c} \text{Relative Runoff} \\ \text{Factor} \end{array} \right] \times \left[\begin{array}{c} \text{Relative Damage} \\ \text{Factor} \end{array} \right] \times \left[\begin{array}{c} \text{Residual Floodplain} \\ \text{Factor} \end{array} \right]$$

Assessor Data
Table 9
Table 10
Equation 3

Equation 3: Residual Floodplain Factor

$$\text{Residual Floodplain Factor} = \frac{(\%Out \times \text{Property Size}) + (\%In \times \text{Property Size} \times 20\%)}{\text{Property Size}}$$

Equation 4: Parcel Total Benefit Units

$$TBU = LBU + (DBU \times DEF)$$

Where:

$$DEF = 375,548.86$$

Equation 5: Proposed Parcel Assessment

$$[\text{Calculated Parcel Assessment}] = [\text{Parcel TBU}] * [\text{Assessment Rate per TBU}]$$

Where:

$$[\text{Assessment Rate per TBU}] = \$0.001414$$

Example Assessment Calculations

The following examples illustrate the application of the assessment equation to determine the annual assessment for several hypothetical properties.

Example 1

Consider a 0.16-acre single-family residential property with a 1,650 square foot single-family structure. The following table provides the assessment calculation factors and steps for the same property near each of the following locations.

	Plumas Lake	West Linda	Olivehurst	Yuba College
Land Use Category	Single-Family Residential			
Structure Use Category	Single-Family Residential			
Benefit Zone	South Zone	West Zone	Central Zone	East Zone
Drainage Service	Yes	Yes	No	No
Land & Crop Damage Rate (From Table 4)	\$5,000 per acre			
Land Flood Zone Factor (From Table 5)	0.90	0.63	0.52	0.28
Structure Damage Rate (From Table 7)	\$75.05 per square foot			
Structure Flood Zone Factor (From Table 8)	1.00	0.44	0.34	0.21
$LBU = ([0.16] \times [5,000] \times [Land\ Flood\ Zone\ Factor]) + ([1,650] \times [75.05] \times [Flood\ Zone\ Factor])$				
LBU	124,552.50	54,990.30	42,519.05	26,228.83
Relative Runoff Factor (From Table 9)	1.00			
Relative Damage Factor (From Table 10)	1.00			
Residual Floodplain Factor (Equation 3)	1.00 (100% out of the Residual Floodplain)			
$DBU = [0.16] \times [1.00] \times [1.00] \times [1.00]$ (if service received)				
DBU	0.16	0.16	0.00	0.00
$TBU = LBU + (DBU \times 375,548.70)$				
TBU	184,640.29	115,078.09	42,519.05	26,228.83
$[Calculated\ Assessment] = [Parcel\ TBU] * [\\$0.00144781]$				
Calculated Assessment	\$261.081	\$162.720	\$60.122	\$37.088
Proposed Assessment	\$261.08	\$162.72	\$60.12	\$37.08

Example 2

Assume a 5-acre commercial property 100 % out of the Residual Floodplain with a 5,000 square foot commercial building, near Yuba College.

Land Use Category is Commercial Structure Use Category is Commercial

Benefit Zone is the East Zone which does not receive drainage services and is not in the residual floodplain.

LBU Calculation:

From **Table 4**, the Land and Crop Damage Rate is \$7,500 per acre

From **Table 5**, the Land Flood Zone Factor is 0.28

From **Table 7**, Structure Damage Rate is \$85.31 per square foot,

From **Table 8**, the Flood Zone Factor is 0.21

$$LBU = ([5.00] \times [7,500] \times [0.28]) + ([5,000] \times [85.31] \times [0.21]) = \mathbf{100,075.50}$$

DBU Calculation:

This property does not receive drainage services, therefore, **DBU = 0**

Assessment Calculation:

$$TBU = 100,075.50 + (0 \times 375,548.70) = \mathbf{100,075.50}$$

$$[Calculated\ Assessment] = [100,075.50] * [\$0.001414] = \mathbf{\$141.507}$$

$$[Proposed\ Assessment] = \mathbf{\$141.50}$$

Example 3

Assume a 10-acre orchard that has 60% acreage out of the residual floodplain with no structures near Plumas Lake.

Land Use Category is Permanent Structure Use is Agriculture

Benefit Zone is the South Zone which receives drainage services

LBU Calculation:

From **Table 4**, the Land and Crop Damage Rate is \$4,000 per acre

From **Table 5**, the Land Flood Zone Factor is 0.90

From **Table 7**, Structure Damage Rate is \$43.39 per square foot

From **Table 8**, the Flood Zone Factor is 1.00

$$LBU = ([10] \times [4,000] \times [0.90]) + ([0] \times [43.39] \times [1.000]) = \mathbf{36,000}$$

DBU Calculation:

From **Table 9**, the Relative Runoff Factor is 0.14,

From **Table 10**, the Relative Damage Factor is 0.10

Using **Equation 3**, the Residual Floodplain factor is calculated as:

$$\text{Residual Floodplain Factor} = \frac{(60\% \times 10) + (40\% * 10 * 20\%)}{10} = \mathbf{0.68}$$

$$\text{DBU} = [10] \times [0.14] \times [0.10] \times [0.68] = \mathbf{0.10}$$

Assessment Calculation:

$$\text{TBU} = 36,000 + (0.10 \times 375,548.70) = \mathbf{71,752.24}$$

$$[\text{Calculated Assessment}] = [83,038.74] * [\$0.0014138] = \mathbf{\$101.458}$$

$$[\text{Proposed Assessment}] = \mathbf{\$101.44}$$

Summary of Assessments

Appendix B provides a detailed listing by Assessor's parcel number of the maximum assessments that will be voted on by the property owners for the proposed Assessment. Assessments are rounded down to the closest multiple of \$0.02 as required by the Yuba County Assessor's office for submission of the special assessment roll for collection on County Property Tax Bills.

Special Considerations

Large Properties with Multiple Land Uses

For large parcels over which multiple land uses were apparent, the factors used to calculate the total property benefit units are weighted by the proportional acreage of each land use.

Public Parcels

Consistent with the requirements of Proposition 218, all publicly owned parcels must be assessed proportionately to the special benefit received from Levee O&M and Internal Drainage O&M Services provided by RD 784. Therefore, public parcels are treated the same as privately owned parcels for assessment calculation purposes. To calculate assessments for these parcels, a Land Use Category was assigned to each public parcel based on its current use. However, public parcels that are utilized to provide the Levee O&M and/or Internal Drainage Services, such as levees, detention ponds, and canals, are assigned the District Works Land Use Category and are excluded from this assessment.

Assessment Exclusions

All parcels within RD 784 receiving a special benefit from the operation and maintenance of the District's urban levee system and internal drainage facilities are within the urban benefit area of the proposed assessment. Parcels protected by rural levees located within the District, specifically properties in the south-east behind the commonly referred to Horseshoe Levee, do not receive benefit under this assessment and have been excluded. Parcels that are utilized to provide the Levee O&M and Internal Drainage O&M Services, such as levees, detention ponds, and canals, do not receive a benefit from the RD 784 Services and are excluded from this assessment.

Minimum Assessment Amount

Consistent with CA Water Code §51335.5, the minimum assessment will be \$25 to defray RD 784's cost of administering the assessment. All annual assessments calculated to be less than \$25 will be raised to the \$25 minimum.

Updating the Assessment Roll

Recalculating individual parcel assessments on an annual basis accommodates changes within RD 784 over time. These changes can result from development activity or lot splits. Placement of a structure on an undeveloped parcel or other changes will trigger a recalculation of the assessment due if there is a change in Land Use Category of the underlying property or change in the structure(s) on the property.

It is recognized that when compiling data for the thousands of parcels that constitute the proposed assessment, the data² used to derive individual parcel characteristics may not be accurate and may not precisely fit the intent of the District thus leading to errors and/or circumstances that result in inaccurate assessment calculations. Where such circumstances are discovered, either by the persons administering the assessment or by the owners of the properties affected, the General Manager of RD 784 (or his or her designee) shall review such circumstances and determine if corrections or adjustments are appropriate. Any such corrections or adjustments are to be consistent with the concept, intent, and parameters of the methodology for the proposed assessment as set forth within this Engineer's Report. Unless such proposed changes are appealed to the RD 784 Board of Trustees, they will be incorporated into the Assessment roll.

² The Assessment Engineer utilized data compiled from the Yuba County Assessor to determine individual property characteristics used as the basis for apportioning the special benefit. While the data is assumed to be accurate, its primary purpose is for use by the Yuba County Assessor and is subject to the Assessor's standards for accuracy and frequency of update. As a result, the information may be inaccurate and not reflect the actual current property characteristics of every parcel.

Section 5. Assessment Administration

Implementation

Schedule for Collection

If property owners approve the proposed assessment, RD 784 intends to commence collection of the assessment in FY 2019/20 and continue every year thereafter. Beginning in FY 2019/20, the RD 784 Board of Trustees will establish the Assessment Rate each year which will not exceed the maximum approved by property owners plus an annual escalation as described below. The proposed assessment will remain in effect until terminated by the RD 784 Board of Trustees.

Annual Escalation

In order to ensure that RD 784 is able to provide the needed services over time, it may be important to increase the Assessment Rate (as defined in the **Assessment Methodology** section) subject to the rising costs of labor and materials over time. The Assessment Engineer has determined that an appropriate escalation factor is reflective of construction labor and materials used for the services provided. Therefore, beginning in FY 2020/21, the maximum authorized Assessment Rate will be subject to an annual inflationary escalator pursuant to Government Code §53739(b) based on the annual change in the San Francisco Construction Cost Index (CCI) and the change in the 20-City CCI with Base Year 1913 = 100, published by the Engineering News-Record, subject to a minimum of 0 percent and a maximum of 4 percent in any given year. The RD 784 Board may elect to levy the Assessment up to the maximum authorized Assessment Rate in any given year, based on an annual budget analysis.

Appeals of Assessments Levied to Property

Appeals Process

Any property owner who believes his or her property should be reclassified and the individual assessment adjusted may file a written appeal with the General Manager of RD 784 or his or her designee. Any such appeal is limited to correction of an assessment during the then-current fiscal year and for future years.

All appeals must include a statement of reasons why the property should be reclassified and may include supporting evidence. On the filing of any such appeal, the General Manager, or his or her designee, will promptly review the appeal and any information provided by the property owner and may investigate and assemble additional evidence necessary to evaluate the appeal. If the General Manager finds that the individual assessment should be modified, the appropriate changes will be made to the Assessment roll. If any such changes are approved after the Assessment roll has been filed with the County for collection, the General Manager is authorized to refund the property owner the amount of any approved reduction to the individual assessment for the then current fiscal year. In the event that an appeal is filed and a subsequent adjustment is resulting in a refund, refunds for any prior year's assessments paid before the appeal was filed will not be made.

If a landowner disputes the decision of the General Manager, a secondary appeal may be made to the RD 784 Board of Trustees, which will consider the matter at a regularly scheduled Board meeting. Any decision made by the Board of Trustees shall be final.

Impact of Appeals During Formation Period

The data being used by the Assessment Engineer to generate the Assessment Rate defined in the **Assessment Methodology** section comes from the Yuba County Assessor. While the data from the Yuba County Assessor is assumed to be accurate, its primary purpose is for use by the Yuba County Assessor and is subject to the Assessor's standards for accuracy and frequency of update. Because this data is not maintained by the Assessor in a form designed to support this special benefit assessment effort, the Assessment Engineer has worked to refine the data so it properly reflects the conditions present in the physical benefit area.

However, throughout the formation period, data errors and discrepancies with the data may surface and require modification of the assessment calculation for various parcels. Changes in the data for a particular parcel without a corresponding change in the Assessment Rate established by this report will, by definition, change the total amount of assessment levied and collected for that particular parcel. For example, if the data assumes the existence of a house and that house has since burned down and has not been reconstructed, once the database is corrected the rates will generate a smaller total assessment. On the other hand, if the data assumes an empty lot where a house has since been constructed, once the database is corrected the rates will generate a larger total assessment. Due to the database being constantly refined (either through internal review or an external appeal process), it is infeasible to fine-tune the rates between the Preliminary Engineer's Report and the Final Engineer's Report. In addition, because changes to the database will either increase or decrease the total amount assessed, it is presumed that these amounts will roughly offset each other. Therefore, although minor changes to the database will continue to be made during the formation period, the Assessment Rate proposed in this Report will not be fine-tuned, even though that will result in a total assessment which may be slightly less than or slightly more than the amount determined for the development of this report.

Future Land Use Changes

It is anticipated that changes in land use will occur in the District over time. To accommodate for these changes, individual property characteristics will be reviewed and updated as needed on an annual basis for determining the individual property assessments for the following fiscal year. The annual assessment would increase or decrease depending on the change in land use and/or changes to improvements on the property.

Example 1: Land Use Change Resulting in a Reduced Assessment

Assume a 0.25-acre warehouse property with a 5,000 square-foot building in Olivehurst is converted to a 5,000 square-foot condominium complex. Assume the entire property is out of the residual floodplain. The following changes would be made to the assessment roll that would be effective the following year:

- Land Use: The Land Use Category would change from Industrial to Multi-Family Residential.
- Land & Crop Damage: The Land and Crop Damage Rate would remain \$7,500 per acre.
- Content Damage: The Content Damage Rate would decrease from \$97.46 per square-foot to \$51.11 per square-foot to reflect the land use change.
- Zone Factor: The Zone Factor would remain 0.44.
- Relative Runoff Factor: The Relative Runoff Factor would decrease from 1.29 to 1.00.
- Relative Damage Factor: The Relative Damage Factor would decrease from 1.6 to 1.00.

The previous assessment, at the current rate, would be \$578.84. The resulting assessment for the condominium complex would be \$293.40.

Example 2: Land Use Change Resulting in an Increased Assessment

Assume a 10-acre agricultural parcel with an orchard in the Plumas Lake area. Assume the gross developable acreage of the property is 9 acres and is developed into a subdivision of 50 single-family lots, each 0.16-acres, ready for home building and two 0.5-acre parks. Assume the entire property is out of the residual floodplain. The following changes would be made to the assessment roll that would be effective the following year:

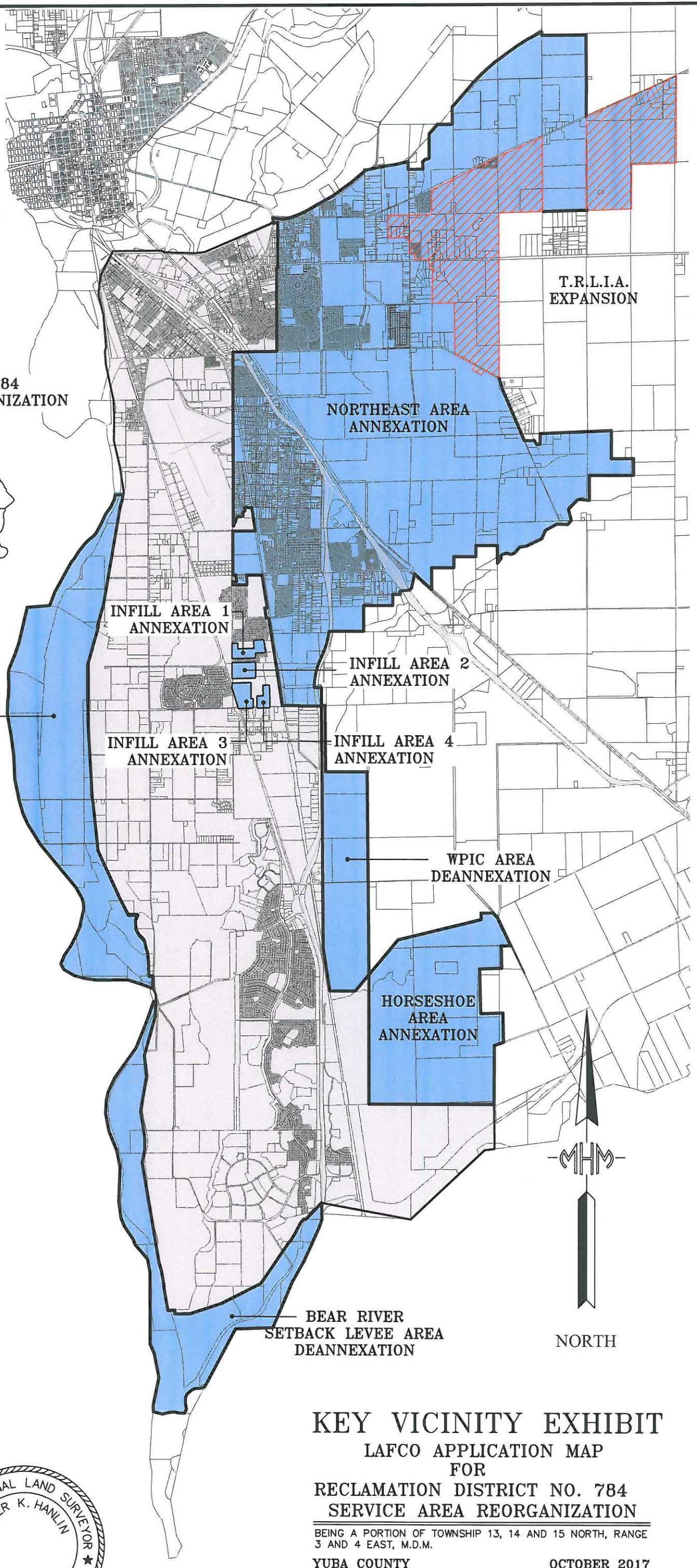
- Parcel Listings: The assessment would be updated to include the newly subdivided parcels and their respective acreage. Any retired APN's would be removed from the assessment roll.
- Land Use: The Land Use Category would change from Permanent to Vacant Developed for the newly subdivided parcels and Open Space for the two parks.
- Land & Crop Damage: The Land and Crop Damage Rate for the Vacant Developed lots would increase from \$4,000 to \$5,000 per square foot, Open Space lot rate would decrease from \$4,000 to \$2,000 per square foot.
- Content Damage: Since neither the Permanent nor Vacant Developed parcels have structures, there is no contents damage for either.
- Zone Factor: The Zone Factor would remain 1.000.
- Relative Runoff Factor: The Relative Runoff Factor would increase from 0.14 to 1.29 for the Vacant Developed parcels and to 0.43 for the Open Space parcels.
- Relative Damage Factor: The Relative Damage Factor would increase from 0.10 to 0.25 for the Vacant Developed Parcels and would remain 0.10 for the Open Space parcels.

The previous assessment for the 10-acre orchard, at the current rate, would be \$125.24. The resulting assessment would be \$28.40 for each of the 50 Vacant Developed parcels totaling \$1,420.00. The resulting assessment would be \$12.68 for each of the park parcels. The assessment for each of the park parcels would be raised to the \$25 minimum for a total of \$50. The total assessment of the new subdivided parcels would then be \$1,470.00.

Section 6. Conclusion

It is concluded that the proposed assessments do not exceed the reasonable cost of the proportional special benefit conferred on each property assessed.

Scott L. Brown, P.E.



FEATHER RIVER
SETBACK LEVEE AREA
DEANNEXATION

INFILL AREA 1
ANNEXATION

NORTHEAST AREA
ANNEXATION

T.R.L.I.A.
EXPANSION

INFILL AREA 2
ANNEXATION

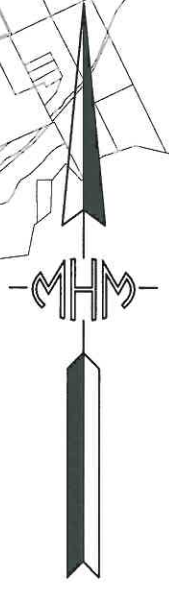
INFILL AREA 3
ANNEXATION

INFILL AREA 4
ANNEXATION

WPIC AREA
DEANNEXATION

HORSESHOE
AREA
ANNEXATION

BEAR RIVER
SETBACK LEVEE AREA
DEANNEXATION



GEOREFERENCE

THE PARCELS SHOWN HEREON ARE REFERENCED GEOGRAPHICALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) BASED UPON THE COUNTY OF YUBA GEOGRAPHIC INFORMATION SYSTEM (GIS) BASEMAP.

LEGEND

- ⑫ COURSE NUMBER
- CALCULATED POINT – NOTHING FOUND OR SET
- P.O.B. POINT OF BEGINNING
- (B.O.B.) BASIS OF BEARINGS
- ////// ANNEXATION/ DEANNEXATION LIMITS

ANNEXATION AREAS

- NORTHEAST AREA: 11800.37 ACRES
- HORSESHOE AREA: 1743.50 ACRES
- INFILL AREA 1: 25.62 ACRES
- INFILL AREA 2: 25.88 ACRES
- INFILL AREA 3: 30.44 ACRES
- INFILL AREA 4: 14.17 ACRES

DE- ANNEXATION AREAS

- BRISBL AREA: 1384.24 ACRES
- FRSBL AREA: 2385.31 ACRES
- WPIC AREA: 812.00 ACRES

NOTE:

- ANNEXATION INTO:
 1. RECLAMATION DISTRICT NO. 784
- DE-ANNEXATION FROM:
 1. RECLAMATION DISTRICT NO. 784



KEY VICINITY EXHIBIT
LAFCO APPLICATION MAP
FOR
RECLAMATION DISTRICT NO. 784
SERVICE AREA REORGANIZATION

BEING A PORTION OF TOWNSHIP 13, 14 AND 15 NORTH, RANGE 3 AND 4 EAST, M.D.M.

YUBA COUNTY
CALIFORNIA

OCTOBER 2017
SCALE: 1" = 6000'

PREPARED BY: MHM INC., 1204 E STREET, MARYSVILLE, CA 95901
16-647 LAFCO REORGANIZATION SHEET 1 OF 1

Figure 2: Levee Break Locations

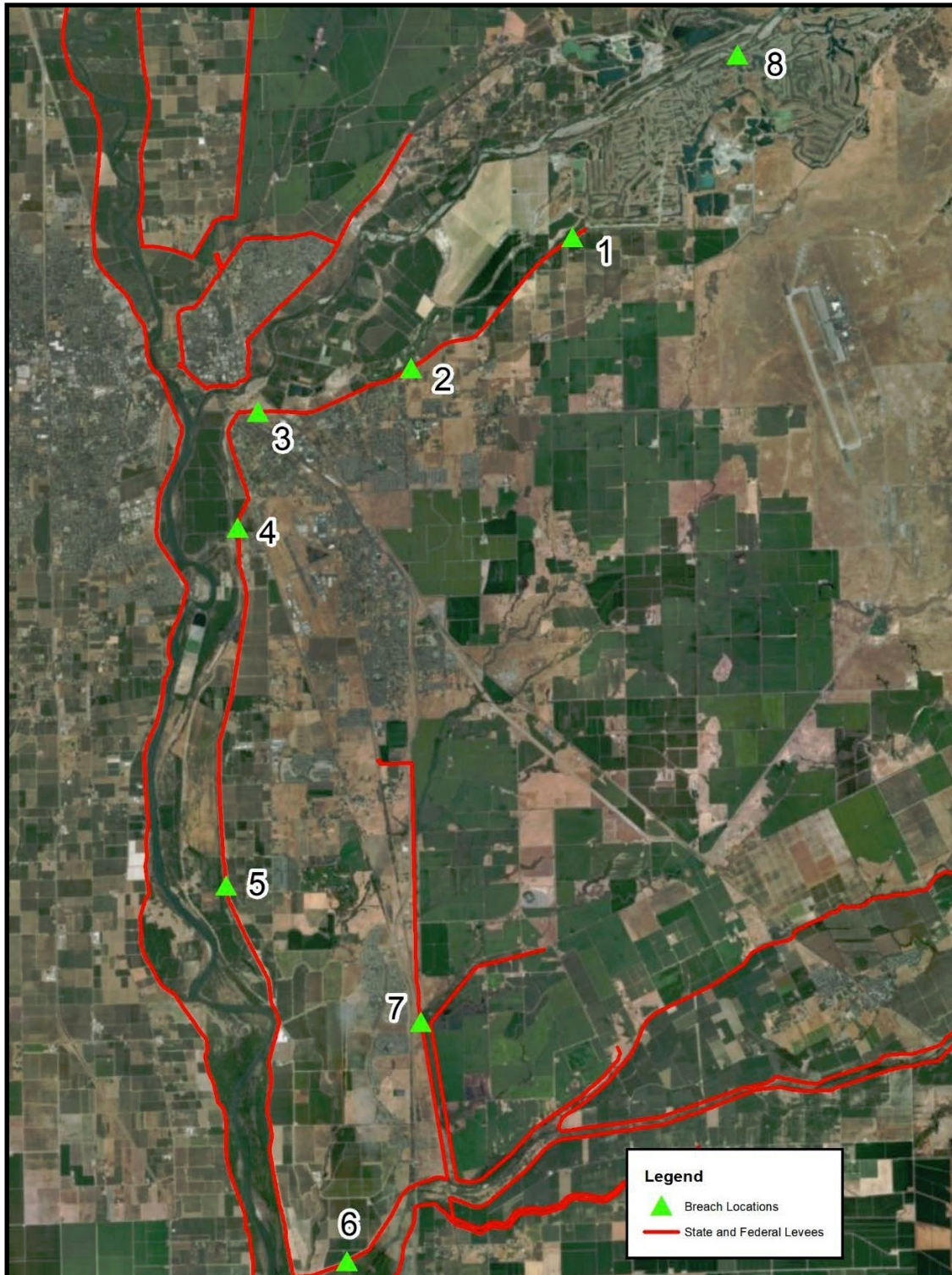


Figure 3: 784 Benefit Zone Boundaries

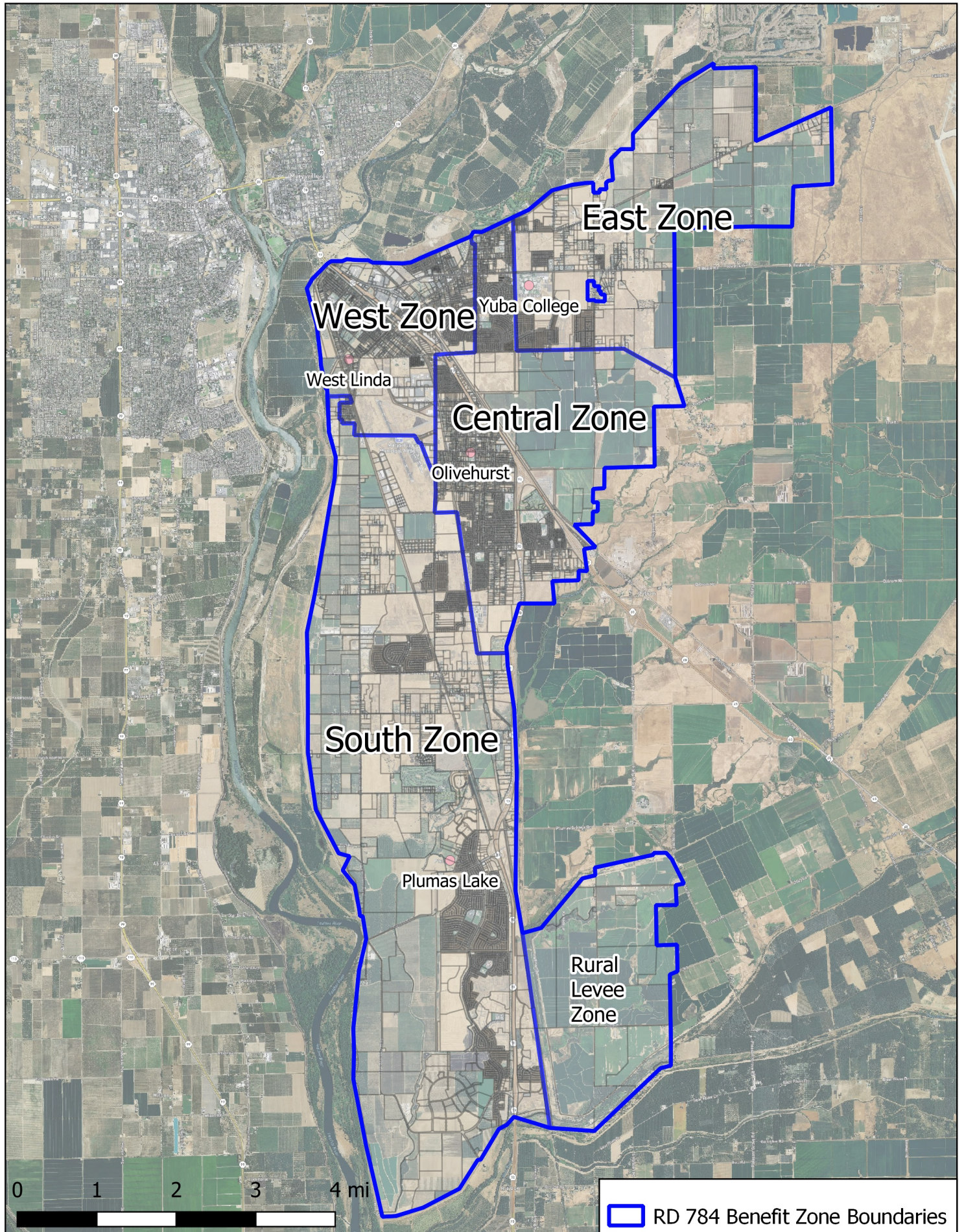
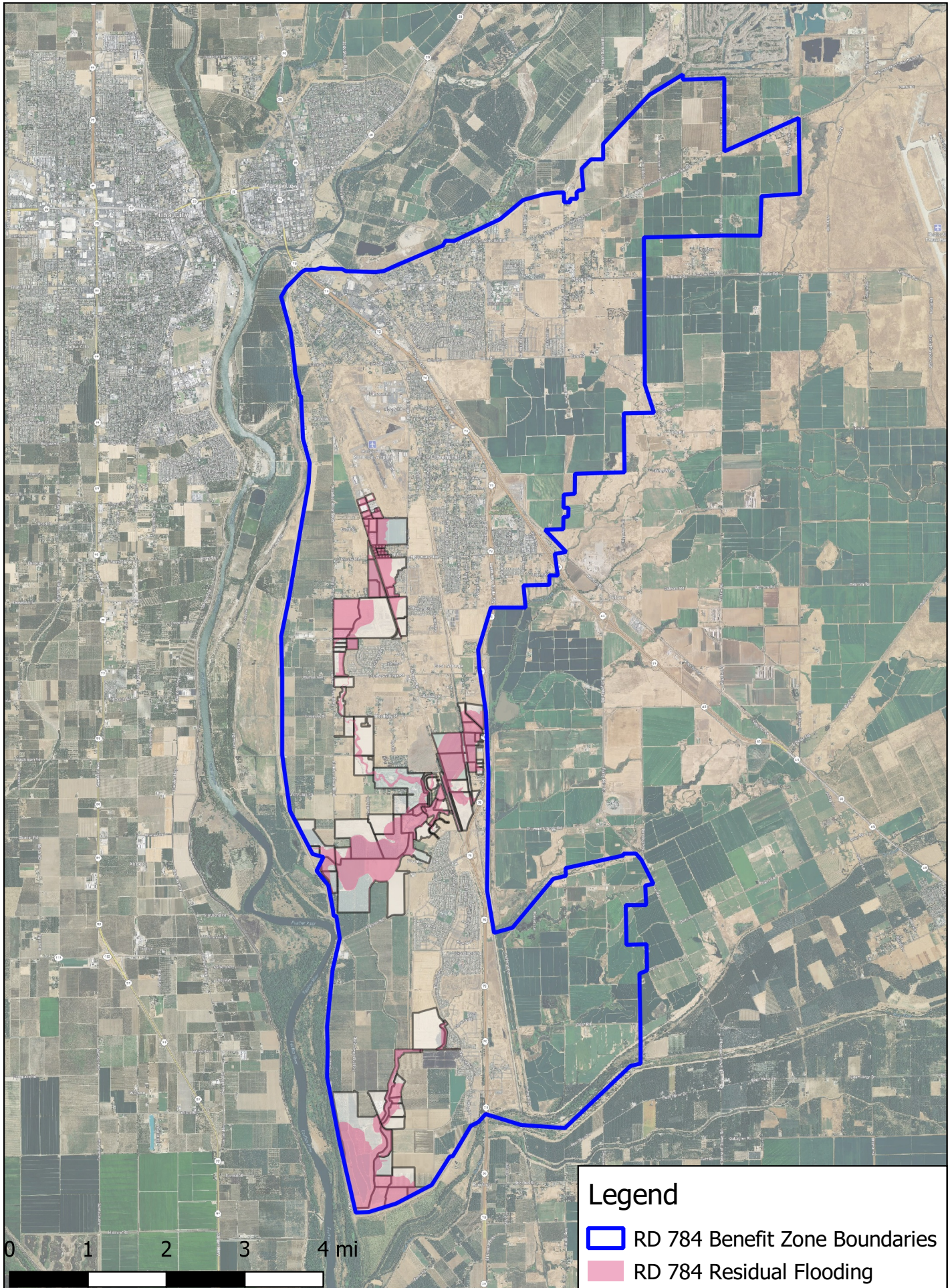


Figure 5: RD 784 Residual Floodplain Parcels



Appendix A: RD 784 FY 2019/2020 Budget

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
Series 1000 - Direct Expenses Employee Salaries and Fringe							
1005	Administration Salary - 1 year life cycle (PV = \$193,000.00) (General Manager - \$145,000, 1 - Bookkeeper/Office Manager - \$48,000, and 0 -Administrative Assistant - \$25,000)	\$193,000.00	\$112,133.00	\$11,966.00	\$965.00	\$67,550.00	\$386.00
1010	Field Personnel Salary - 1 year life cycle (PV = \$280,000.00) (1- Superintendent - \$80,000, 1 - Maintenance III Worker - \$50,000, 1 - Maintenance II Worker - \$45,000, and 3 - Maintenance I Labors - \$35,000)	280,000.00	162,680.00	17,360.00	1,400.00	98,000.00	560.00
1015	Overtime and Emergency Work - 1 year life cycle (PV = \$45,000.00)	45,000.00	26,145.00	2,790.00	225.00	15,750.00	90.00
1020	Trustee Compensation - 1 year life cycle (PV = \$6,750.00)	6,750.00	3,921.75	418.50	33.75	2,362.50	13.50
1025	Payroll Taxes - All Inclusive - 1 year life cycle (PV = \$85,140.00)	85,140.00	49,466.34	5,278.68	425.70	29,799.00	170.28
1030	Retirement/Pension Liability - 1 year life cycle (PV = \$42,570.00)	42,570.00	24,733.17	2,639.34	212.85	14,899.50	85.14
1035	Pension Contingency - 1 year life cycle (PV = \$32,164.00)	32,164.00	18,687.28	1,994.17	160.82	11,257.40	64.33
1040	Medical/Health/HSA - 1 year life cycle (PV = \$198,660.00)	198,660.00	115,421.46	12,316.92	993.30	69,531.00	397.32
1045	Dental - 1 year life cycle (PV = \$12,298.00)	12,298.00	7,145.14	762.48	61.49	4,304.30	24.60
1050	Vision - 1 year life cycle (PV = \$2,365.00)	2,365.00	1,374.07	146.63	11.83	827.75	4.73
1055	Workers Compensation Insurance - 1 year life cycle (PV = \$34,056.00)	34,056.00	19,786.54	2,111.47	170.28	11,919.60	68.11
1060	Unemployment Insurance - 1 year life cycle (PV = \$9,460.00)	9,460.00	5,496.26	586.52	47.30	3,311.00	18.92
1065	Contingency Fund - 1 year life cycle (PV = \$14,190.00)	14,190.00	8,244.39	879.78	70.95	4,966.50	28.38
Series 1200 - Administration							
1200	Accounting/Bookkeeping	\$25,000.00	\$14,525.00	\$1,550.00	\$125.00	\$8,750.00	\$50.00
1205	Public Relations	3,500.00	2,033.50	217.00	17.50	1,225.00	7.00
1210	Independent Audit Consulting	10,000.00	5,810.00	620.00	50.00	3,500.00	20.00
1215	Engineering Consulting	60,000.00	34,860.00	3,720.00	300.00	21,000.00	120.00
1220	Legal Fees/Litigation	65,000.00	37,765.00	4,030.00	325.00	22,750.00	130.00
1225	Assessment Consulting Fees (does not include 218 Election)	15,000.00	8,715.00	930.00	75.00	5,250.00	30.00
1230	Prop 218 Assessment and Engineers' Report - 20 year life cycle (PV = \$350,000.00)	14,913.72	8,664.87	924.65	74.57	5,219.80	29.83
1235	ULOP Engineers' Report Support - 5 year life cycle (PV = \$25,000.00)	4,837.70	2,810.70	299.94	24.19	1,693.19	9.68
1240	Trustee Election Expense - 4 year life cycle (PV = \$20,000.00)	4,877.94	2,834.08	302.43	24.39	1,707.28	9.76
1245	County and City Fees, Permits, and Licenses	5,500.00	3,195.50	341.00	27.50	1,925.00	11.00
1250	County Tax Collector Assessment Processing Fee	0.00	0.00	0.00	0.00	0.00	0.00
1255	Property Taxes	2,500.00	1,452.50	155.00	12.50	875.00	5.00
1260	Insurance - Liability, Auto, Flood Insurance, Errors and Omissions	32,000.00	18,592.00	1,984.00	160.00	11,200.00	64.00
1265	Insurance - Deductibles	2,500.00	1,452.50	155.00	12.50	875.00	5.00
1270	Uninsured Losses	15,000.00	8,715.00	930.00	75.00	5,250.00	30.00
1275	Computer software and hardware - 3 year life cycle (PV = \$22,000.00)	7,213.65	4,191.13	447.25	36.07	2,524.78	14.43
1280	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$2,400.00)	2,400.00	1,394.40	148.80	12.00	840.00	4.80
1285	Office Rent/Lease	0.00	0.00	0.00	0.00	0.00	0.00
1290	Office Equipment/Furniture	500.00	290.50	31.00	2.50	175.00	1.00
1295	Office Repairs	2,000.00	1,162.00	124.00	10.00	700.00	4.00
1300	Office Supplies	1,500.00	871.50	93.00	7.50	525.00	3.00
1305	Safety Equipment, Safety Certificates, and Safety Training - 1 year life cycle (PV = \$12,500.00)	12,500.00	7,262.50	775.00	62.50	4,375.00	25.00
1310	Environmental Training/CDFW 1602 Costs/Environmental Costs/Pesticade Permits - 1 year life cycle (PV = \$30,000.00)	30,000.00	17,430.00	1,860.00	150.00	10,500.00	60.00
1315	Environmental Permitting - 15 year life cycle (PV = \$60,000.00)	3,558.14	2,067.28	220.60	17.79	1,245.35	7.12
1320	Flood Fight Training	1,500.00	871.50	93.00	7.50	525.00	3.00
1325	Uniforms	1,500.00	871.50	93.00	7.50	525.00	3.00
1330	Security Services (i.e. Guards, Sonitrol)	40,000.00	23,240.00	2,480.00	200.00	14,000.00	80.00
1335	Legal Ads/ Notices	1,500.00	871.50	93.00	7.50	525.00	3.00
1340	Newspaper Service	200.00	116.20	12.40	1.00	70.00	0.40
1345	Contingency Fund - 10 year return period (based on total of 35.86 miles @ PV = \$2,500.00 per mile)	8,318.85	4,833.25	515.77	41.59	2,911.60	16.64
1350	TRLIA Allocation - Adequate Progress Report - 1 year life cycle (PV = \$10,000.00)	10,000.00	10,000.00	0.00	0.00	0.00	0.00
1355	TRLIA Allocation - ECO O&M for Mitigation Site Created in the Floodway to Support Urban Levee System - 1 year life cycle (PV = \$75,000.00)	75,000.00	75,000.00	0.00	0.00	0.00	0.00
1360	TRLIA Allocation - Technical Support on Urban Levee's Certified by TRLIA (100-yr FEMA or 200-yr ULDC criteria) - 1 year life cycle (PV = \$100,000.00)	100,000.00	100,000.00	0.00	0.00	0.00	0.00
1365	TRLIA Allocation - Management of TRLIA Levee Improvement CFD's - 1 year life cycle (PV = \$15,000.00)	15,000.00	15,000.00	0.00	0.00	0.00	0.00
Series 1400 - Operations							
1400	Shop Supplies - 1 year life cycle (PV = \$6,000.00)	\$6,000.00	\$3,486.00	\$372.00	\$30.00	\$2,100.00	\$12.00
1405	Equipment Rental - 1 year life cycle (PV = \$3,500.00)	3,500.00	2,033.50	217.00	17.50	1,225.00	7.00
1410	Vehicle/Equipment Repair/Service - 1 year life cycle (based on total of 5 vehicles @ PV = \$3,500.00 per vehicle)	17,500.00	10,167.50	1,085.00	87.50	6,125.00	35.00
1415	Vehicle/Equipment Parts/Supplies - 1 year life cycle (based on total of 5 vehicles @ PV = \$5,000.00 per vehicle)	25,000.00	14,525.00	1,550.00	125.00	8,750.00	50.00
1420	Utilities - (Garbage/Electric/Internet/Phone/Water/Sewer) - Shop - 1 year life cycle (PV = \$3,600.00)	3,600.00	2,091.60	223.20	18.00	1,260.00	7.20
1425	Refuse Collection - 1 year life cycle (PV = \$2,500.00)	2,500.00	1,452.50	155.00	12.50	875.00	5.00
1430	Facility Repairs - Shop - 1 year life cycle (PV = \$1,500.00)	1,500.00	871.50	93.00	7.50	525.00	3.00
1435	Office Building Replacement - 30 year life cycle (PV = \$500,000.00)	13,014.98	7,561.70	806.93	65.07	4,555.24	26.03
1440	Shop Building Replacement - 30 year life cycle (PV = \$1,000,000.00)	26,029.96	15,123.41	1,613.86	130.15	9,110.49	52.06
1445	Emergency Flood Fight Fund - 10 year return period (based on total of 35.86 miles @ PV = \$5,000.00 per mile)	16,637.71	9,666.51	1,031.54	83.19	5,823.20	33.28
1450	Hazmat Response/ Homeless Cleanup/ Illegal Dumping - 1 year life cycle (PV = \$20,000.00)	20,000.00	11,620.00	1,240.00	100.00	7,000.00	40.00
1455	Contingency Fund - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 1600 - Capital Projects							
1600	Slope Mower Tractor - Terratrac Aebi TT280 - 15 year life cycle (based on total of 1 tractors @ PV = \$225,000.00 per tractor)	\$13,343.03	\$7,752.30	\$827.27	\$66.72	\$4,670.06	\$26.69
1605	Utility Pickups (3/4 ton) - 7 year life cycle (based on total of 5 vehicles @ PV = \$40,000.00 per vehicle)	27,188.00	15,796.23	1,685.66	135.94	9,515.80	54.38
1610	Utility Trucks (2 ton) - 7 year life cycle (based on total of 1 vehicles @ PV = \$60,000.00 per vehicle)	8,156.40	4,738.87	505.70	40.78	2,854.74	16.31
1615	Spray Rig - 15 year life cycle (based on total of 1 spray rig @ PV = \$80,000.00 per spray rig)	4,744.19	2,756.37	294.14	23.72	1,660.47	9.49
1620	Tractor with Boom Mower - 15 year life cycle (based on total of 1 tractor @ PV = \$150,000.00 per tractor)	8,895.35	5,168.20	551.51	44.48	3,113.37	17.79
1625	Utility Tractor - 15 year life cycle (based on total of 1 tractor @ PV = \$200,000.00 per tractor)	11,860.47	6,890.93	735.35	59.30	4,151.17	23.72
1630	Emergency Backup Generator (District Office) - 25 year life cycle (PV = \$45,000.00)	1,468.80	853.38	91.07	7.34	514.08	2.94

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
Series 2000 - Unit 2B - Lower Clark Slough Pipe Crossing at Pump Station No. 2 - (Total of 1) - OMRR&R							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$0.00)	\$0.00	\$0.00			\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$0.00)	0.00	0.00			0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 1 pipe crossings)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 1 pipe crossings)	677.28	677.28	0.00	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	967.54	967.54	0.00	0.00	0.00	0.00
	Gravity Pipe Replacement - 80 year life cycle (PV = \$950,000.00) (Total of 1 pipe crossings) (assume 50% from other funding sources)	2,899.22	2,899.22	0.00	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00	0.00
Series 2050 - Unit 3A - Algodon Canal Pipe Crossing at Pump Station No. 6 - (Total of 1) - OMRR&R							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$0.00)	\$0.00	\$0.00			\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$0.00)	0.00	0.00			0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 1 pipe crossings)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 1 pipe crossings)	677.28	677.28	0.00	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	967.54	967.54	0.00	0.00	0.00	0.00
	Gravity Pipe Replacement - 80 year life cycle (PV = \$850,000.00) (Total of 1 pipe crossings) (assume 50% from other funding sources)	2,594.04	2,594.04	0.00	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00	0.00
Series 2100 - Unit 4 - Clark Lateral Pipe Crossing at Olivehurst Pump Station - (Total of 1) - OMRR&R							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$0.00)	\$0.00	\$0.00			\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$0.00)	0.00	0.00			0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 1 pipe crossings)	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 1 pipe crossings)	677.28	677.28	0.00	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 1 pipe crossings)	967.54	967.54	0.00	0.00	0.00	0.00
	Gravity Pipe Replacement - 80 year life cycle (PV = \$850,000.00) (Total of 1 pipe crossings) (assume 50% from other funding sources)	2,594.04	2,594.04	0.00	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00	0.00
Series 2150 - Unit 3B (Horseshoe Levee) - Pipe Crossing - (Total of 2) - OMRR&R							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$0.00)	\$0.00	\$0.00			\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$0.00)	0.00	0.00			0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 2 pipe crossings)	\$3,000.00	\$0.00	\$0.00	\$3,000.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 2 pipe crossings)	1,354.56	0.00	0.00	1,354.56	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 2 pipe crossings)	1,935.08	0.00	0.00	1,935.08	0.00	0.00
	Gravity Pipe Replacement - 80 year life cycle (PV = \$515,000.00) (Total of 0 pipe crossings) (assume 50% from other funding sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00	0.00
Series 2200 - Unit 5 (Horseshoe Levee) - Pipe Crossing - (Total of 9) - OMRR&R							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$0.00)	\$0.00	\$0.00			\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$0.00)	0.00	0.00			0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,000.00) (Total of 9 pipe crossings)	\$9,000.00	\$0.00	\$0.00	\$9,000.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 9 pipe crossings)	6,095.50	0.00	0.00	6,095.50	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$4,000.00) (Total of 9 pipe crossings)	6,966.29	0.00	0.00	6,966.29	0.00	0.00
	Gravity Pipe Replacement - 80 year life cycle (PV = \$515,000.00) (Total of 0 pipe crossings) (assume 50% from other funding sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00	0.00
Series 2250 - Unit 10 (Goldfield Levee) - YCWA South Yuba Brophy Canal Crossing - (Total of 0) - OMRR&R							
	Supplies and Materials - 1 year life cycle (PV = \$2,500.00) (Total of 0 pipe crossings)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$8,500.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00	0.00
	Gravity Pipe Replacement - 80 year life cycle (PV = \$2,500,000.00) (Total of 0 pipe crossings) (assume 50% from other funding sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00	0.00
Series 2300 - Unit 10 (Goldfield Levee) - Brophy Apex Canal Crossing - (Total of 1) - OMRR&R							
	Supplies and Materials - 1 year life cycle (PV = \$2,500.00) (Total of 1 pipe crossings)	\$2,500.00	\$0.00	\$2,500.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 1 pipe crossings)	677.28	0.00	677.28	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$8,500.00) (Total of 1 pipe crossings)	1,644.82	0.00	1,644.82	0.00	0.00	0.00
	Gravity Pipe Replacement - 120 year life cycle (PV = \$1,062,500.00) (Total of 1 pipe crossings) (assume 50% from other funding sources)	1,430.74	0.00	1,430.74	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00	0.00

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
Series 2350 - Unit 10 (Goldfield Levee) - Brophy Lateral Pipe Crossing - (Total of 0) - OMRR&R							
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00) (Total of 0 pipe crossings)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00	0.00
	Gravity Pipe Replacement - 120 year life cycle (PV = \$515,000.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00	0.00
Series 2400 - Unit 10 (Goldfield Levee) - Detention Pond Gravity Pipe Crossing - (Total of 2) - OMRR&R							
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00 per pipe) (Total of 2 pipe crossings)	\$3,000.00	\$0.00	\$3,000.00	\$0.00	\$0.00	\$0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$3,500.00 per pipe) (Total of 2 pipe crossings)	1,354.56	0.00	1,354.56	0.00	0.00	0.00
	Pipe Cleaning, Debris Removal 5 year life cycle (PV = \$5,000.00 per pipe) (Total of 2 pipe crossings)	1,935.08	0.00	1,935.08	0.00	0.00	0.00
	Gravity Pipe Replacement - 120 year life cycle (PV = \$812,500.00 per pipe) (Total of 2 pipe crossings)	2,188.18	0.00	2,188.18	0.00	0.00	0.00
	Pressure Pipe Replacement - 50 year life cycle (PV = \$307,500.00) (Total of 0 pipe crossings)	0.00	0.00	0.00	0.00	0.00	0.00
Series 3000 - Yuba River South Levee - Unit No. 1 (Yuba River) - LM 0.00 to LM 2.22 - 11,722' - ROW width 160.0 feet - Acres 43.1 - OMRR&R							
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$125.00/ac)	\$5,381.82	\$5,381.82	\$0.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	1,076.36	1,076.36	0.00	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac)	2,152.73	2,152.73	0.00	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	3,229.09	3,229.09	0.00	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	2,152.73	2,152.73	0.00	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,722.18	1,722.18	0.00	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$80.00/ac)	688.87	688.87	0.00	0.00	0.00	0.00
	Off-Duty Patrol and Security - 1 year life cycle (PV = \$0.00/mi)	0.00	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 11,722 feet of Aggregate Base Top of Levee - 12 year life cycle (PV = \$153,846.00)	11,698.27	11,698.27	0.00	0.00	0.00	0.00
	Patrol Road O&M - 3,350 feet of Aggregate Base Landside of Levee - 18 year life cycle (PV = \$43,968.75)	2,117.85	2,117.85	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 7 Piezometers - 50 year life cycle (PV = \$15,000.00)	1,367.87	1,367.87	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 7 Piezometers - 5 year life cycle (PV = \$650.00)	880.46	880.46	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 7 Piezometers - 1 year life cycle (PV = \$536.00)	3,752.00	3,752.00	0.00	0.00	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 2 - 80 year life cycle (PV = \$290,000.00) (assume 50% from other funding sources)	1,770.05	1,770.05	0.00	0.00	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 2 - 1 year life cycle (PV = \$1,000.00)	2,000.00	2,000.00	0.00	0.00	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$4,500.00/mi)	927.05	927.05	0.00	0.00	0.00	0.00
	SWIF (aka USACE) Compliance (i.e. right of way, tree removal, structure removal, USACE periodic survey) - 10 year return period (based on total of 2.22 miles @ PV = \$8,500.00 per mile)	1,751.09	1,751.09	0.00	0.00	0.00	0.00
	Long Term Non-Routine Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi) (assume 100% from other funding sources - USACE, DWR, CVFPB)	0.00	0.00	0.00	0.00	0.00	0.00
Series 3050 - Feather River East Levee - Unit No. 2A (Feather River) - LM 0.00 to LM 2.75 - 14,520' - ROW width 170.0 feet - Acres 56.7 - OMRR&R							
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$125.00/ac)	\$7,083.33	\$7,083.33	\$0.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	1,416.67	1,416.67	0.00	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac)	2,833.33	2,833.33	0.00	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	4,250.00	4,250.00	0.00	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	2,833.33	2,833.33	0.00	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	2,266.67	2,266.67	0.00	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$80.00/ac)	906.67	906.67	0.00	0.00	0.00	0.00
	Off-Duty Patrol and Security - 1 year life cycle (PV = \$0.00/mi)	0.00	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 14,520 feet of Aggregate Base Top of Levee - 12 year life cycle (PV = \$190,575.00)	14,491.10	14,491.10	0.00	0.00	0.00	0.00
	Patrol Road O&M - 5,500 feet of Aggregate Base Landside of Levee - 18 year life cycle (PV = \$72,187.50)	3,477.06	3,477.06	0.00	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Asphalt Concrete Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 17 Piezometers - 60 year life cycle (PV = \$15,000.00) (assume 50% from other funding sources)	1,260.05	1,260.05	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 17 Piezometers - 5 year life cycle (PV = \$650.00)	2,138.26	2,138.26	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 17 Piezometers - 1 year life cycle (PV = \$600.00)	10,200.00	10,200.00	0.00	0.00	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$4,500.00/mi)	1,148.37	1,148.37	0.00	0.00	0.00	0.00
	SWIF (aka USACE) Compliance (i.e. right of way, tree removal, structure removal, USACE periodic survey) - 10 year return period (based on total of 2.75 miles @ PV = \$8,500.00 per mile)	2,169.15	2,169.15	0.00	0.00	0.00	0.00
	Long Term Non-Routine Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi) (assume 100% from other funding sources - USACE, DWR, CVFPB)	0.00	0.00	0.00	0.00	0.00	0.00
Series 3100 - Feather River East Levee - Unit No. 9 (Setback Levee) - LM 0.00 to LM 5.74 - 30,307' - ROW width 350.0 feet - Acres 243.5 - OMRR&R							
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$125.00/ac)	\$30,439.39	\$30,439.39	\$0.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	6,087.88	6,087.88	0.00	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac)	12,175.76	12,175.76	0.00	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	18,263.64	18,263.64	0.00	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	12,175.76	12,175.76	0.00	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	9,740.61	9,740.61	0.00	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$80.00/ac)	3,896.24	3,896.24	0.00	0.00	0.00	0.00

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
	Off-Duty Patrol and Security - 1 year life cycle (PV = \$0.00/mi)	0.00	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 30,307 feet of Aggregate Base Top of Levee - 12 year life cycle (PV = \$397,782.00)	30,246.87	30,246.87	0.00	0.00	0.00	0.00
	Patrol Road O&M - 30,307 feet of Aggregate Base Landside of Levee - 18 year life cycle (PV = \$397,782.00)	19,160.00	19,160.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 8 Piezometers - 60 year life cycle (PV = \$15,000.00) (assume 50% from other funding sources)	592.96	592.96	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 8 Piezometers - 5 year life cycle (PV = \$650.00)	1,006.24	1,006.24	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 8 Piezometers - 1 year life cycle (PV = \$600.00)	4,800.00	4,800.00	0.00	0.00	0.00	0.00
	Unit 9 Relief Well Field - Well Replacement and Abandonment of Existing - Total of 26 - 80 year life cycle (PV = \$60,000.00) (assume 50% from other funding sources)	4,760.82	4,760.82	0.00	0.00	0.00	0.00
	Unit 9 Relief Well Field - Well Failure Replacement - Total of 4 Relief Wells - 20 year life cycle (PV = \$60,000.00)	10,226.55	10,226.55	0.00	0.00	0.00	0.00
	Unit 9 Relief Well Field - Well Repair - Total of 4 Relief Wells - 20 year life cycle (PV = \$15,000.00)	2,556.64	2,556.64	0.00	0.00	0.00	0.00
	Unit 9 Relief Well Field - Pump Tests - Total of 26 Relief Wells - 5 year life cycle (PV = \$1,800.00)	9,056.17	9,056.17	0.00	0.00	0.00	0.00
	Unit 9 Relief Well Field - Swabbing and Cleaning - Total of 26 Relief Wells - 5 year life cycle (PV = \$1,400.00)	7,043.69	7,043.69	0.00	0.00	0.00	0.00
	Unit 9 Relief Well Field Concrete Lined Ditch - Replacement - Total of 1480 feet - 80 year life cycle (PV = \$370,000.00) (assume 50% from other funding sources)	1,129.17	1,129.17	0.00	0.00	0.00	0.00
	Unit 9 Relief Well Field Concrete Lined Ditch - Annual O&M - Total of 1480 feet - 1 year life cycle (PV = \$148.00)	148.00	148.00	0.00	0.00	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$4,500.00/mi)	2,396.96	2,396.96	0.00	0.00	0.00	0.00
	SWIF (aka USACE) Compliance (i.e. right of way, tree removal, structure removal, USACE periodic survey) - 10 year return period (based on total of 5.74 miles @ PV = \$5,000.00 per mile)	2,663.29	2,663.29	0.00	0.00	0.00	0.00
	Long Term Non-Routine Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi) (assume 100% from other funding sources - USACE, DWR, CVFPB)	0.00	0.00	0.00	0.00	0.00	0.00
			0.00				
			0.00				
Series 3150 - Feather River East Levee - Unit No. 2B - LM 8.96 to LM 12.58 - 19,114' - ROW width 225.0 feet							
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$125.00/ac)	\$12,340.91	\$12,340.91	\$0.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,468.18	2,468.18	0.00	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac)	4,936.36	4,936.36	0.00	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	7,404.55	7,404.55	0.00	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,936.36	4,936.36	0.00	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,949.09	3,949.09	0.00	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$80.00/ac)	1,579.64	1,579.64	0.00	0.00	0.00	0.00
	Off-Duty Patrol and Security - 1 year life cycle (PV = \$0.00/mi)	0.00	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 19,114 feet of Aggregate Base Top of Levee - 12 year life cycle (PV = \$250,866.00)	19,075.55	19,075.55	0.00	0.00	0.00	0.00
	Patrol Road O&M - 4,300 feet of Aggregate Base Landside of Levee - 18 year life cycle (PV = \$56,437.50)	2,718.43	2,718.43	0.00	0.00	0.00	0.00
	Inclinometers - Replacement - Total of 5 Inclinometers - 80 year life cycle (PV = \$20,000.00) (assume 50% from other funding sources)	305.18	305.18	0.00	0.00	0.00	0.00
	Inclinometers - Annual O&M - Total of 5 Inclinometers - 5 year life cycle (PV = \$650.00)	628.90	628.90	0.00	0.00	0.00	0.00
	Inclinometers - Bi-Annual Reading and Reporting - Total of 5 Piezometers - 1 year life cycle (PV = \$600.00)	3,000.00	3,000.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 11 Piezometers - 60 year life cycle (PV = \$15,000.00) (assume 50% from other funding sources)	815.32	815.32	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 11 Piezometers - 5 year life cycle (PV = \$650.00)	1,383.58	1,383.58	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 11 Piezometers - 1 year life cycle (PV = \$600.00)	6,600.00	6,600.00	0.00	0.00	0.00	0.00
	Unit 2B Relief Well Field - Well Replacement and Abandonment of Existing - Total of 18 - 80 year life cycle (PV = \$60,000.00) (assume 50% from other funding sources)	3,295.95	3,295.95	0.00	0.00	0.00	0.00
	Unit 2B Relief Well Field - Well Failure Replacement - Total of 3 Relief Wells - 20 year life cycle (PV = \$60,000.00)	7,669.91	7,669.91	0.00	0.00	0.00	0.00
	Unit 2B Relief Well Field - Well Repair - Total of 5 Relief Wells - 20 year life cycle (PV = \$15,000.00)	3,195.80	3,195.80	0.00	0.00	0.00	0.00
	Unit 2B Relief Well Field - Pump Tests - Total of 18 Relief Wells - 5 year life cycle (PV = \$1,800.00)	6,269.66	6,269.66	0.00	0.00	0.00	0.00
	Unit 2B Relief Well Field - Swabbing and Cleaning - Total of 18 Relief Wells - 5 year life cycle (PV = \$1,400.00)	4,876.40	4,876.40	0.00	0.00	0.00	0.00
	Unit 2B Relief Well Field Concrete Lined Ditch - Replacement - Total of 3900 feet - 80 year life cycle (PV = \$975,000.00) (assume 50% from other funding sources)	2,975.51	2,975.51	0.00	0.00	0.00	0.00
	Unit 2B Relief Well Field Concrete Lined Ditch - Annual O&M - Total of 3900 feet - 1 year life cycle (PV = \$390.00)	390.00	390.00	0.00	0.00	0.00	0.00
	Annual Bank Monitoring and Reporting - Starr Bend Area - 1 year life cycle (PV = \$4,440.00)	4,440.00	4,440.00	0.00	0.00	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$4,500.00/mi)	1,511.67	1,511.67	0.00	0.00	0.00	0.00
	SWIF (aka USACE) Compliance (i.e. right of way, tree removal, structure removal, USACE periodic survey) - 10 year return period (based on total of 3.62 miles @ PV = \$8,500.00 per mile)	2,855.38	2,855.38	0.00	0.00	0.00	0.00
	Long Term Non-Routine Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi) (assume 100% from other funding sources - USACE, DWR, CVFPB)	0.00	0.00	0.00	0.00	0.00	0.00
Series 3200 - Bear River North Levee - Unit No. 8 - LM 0.00 to LM 1.95 - 10,296' - ROW width 265.0 feet - Acres 62.6 - OMRR&R							
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$125.00/ac)	\$7,829.55	\$7,829.55	\$0.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	1,565.91	1,565.91	0.00	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac)	3,131.82	3,131.82	0.00	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	4,697.73	4,697.73	0.00	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	3,131.82	3,131.82	0.00	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	2,505.45	2,505.45	0.00	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$80.00/ac)	1,002.18	1,002.18	0.00	0.00	0.00	0.00
	Off-Duty Patrol and Security - 1 year life cycle (PV = \$0.00/mi)	0.00	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 10,296 feet of Aggregate Base Top of Levee - 12 year life cycle (PV = \$135,135.00)	10,275.51	10,275.51	0.00	0.00	0.00	0.00
	Patrol Road O&M - 10,200 feet of Aggregate Base Landside of Levee - 18 year life cycle (PV = \$133,875.00)	6,448.37	6,448.37	0.00	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Asphalt Concrete Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
	Piezometer - Replacement - Total of 0 Piezometers - 60 year life cycle (PV = \$15,000.00) (assume 50% from other funding sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 0 Piezometers - 5 year life cycle (PV = \$650.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 0 Piezometers - 1 year life cycle (PV = \$600.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Unit 8 Relief Well Field - Well Replacement and Abandonment of Existing - Total of 17 - 80 year life cycle (PV = \$60,000.00) (assume 50% from other funding sources)	3,112.84	3,112.84	0.00	0.00	0.00	0.00
	Unit 8 Relief Well Field - Well Failure Replacement - Total of 3 Relief Wells - 20 year life cycle (PV = \$60,000.00)	7,669.91	7,669.91	0.00	0.00	0.00	0.00
	Unit 8 Relief Well Field - Well Repair - Total of 1 Relief Wells - 20 year life cycle (PV = \$15,000.00)	639.16	639.16	0.00	0.00	0.00	0.00
	Unit 8 Relief Well Field - Pump Tests - Total of 16 Relief Wells - 5 year life cycle (PV = \$1,800.00)	5,573.03	5,573.03	0.00	0.00	0.00	0.00
	Unit 8 Relief Well Field - Swabbing and Cleaning - Total of 16 Relief Wells - 5 year life cycle (PV = \$1,400.00)	4,334.58	4,334.58	0.00	0.00	0.00	0.00
	Unit 8 Relief Well Field Concrete Lined Ditch - Replacement - Total of 9030 feet - 80 year life cycle (PV = \$1,128,750.00) (assume 50% from other funding sources)	3,444.73	3,444.73	0.00	0.00	0.00	0.00
	Unit 8 Relief Well Field Concrete Lined Ditch - Annual O&M - Total of 9030 feet 1 year life cycle (PV = \$903.00)	903.00	903.00	0.00	0.00	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$4,500.00/mi)	814.30	814.30	0.00	0.00	0.00	0.00
	SWIF (aka USACE) Compliance (i.e. right of way, tree removal, structure removal, USACE periodic survey) - 10 year return period (based on total of 1.95 miles @ PV = \$5,000.00 per mile)	904.78	904.78	0.00	0.00	0.00	0.00
	Long Term Non-Routine Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi) (assume 100% from other funding sources - USACE, DWR, CVFPB)	0.00	0.00	0.00	0.00	0.00	0.00
Series 3250 - Bear River North Levee - Unit No. 3A - LM 2.48 to LM 3.21 - 3,854' - ROW width 125.0 feet - Acres 11.1 - OMRR&R							
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$125.00/ac)	\$1,382.58	\$1,382.58	\$0.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	276.52	276.52	0.00	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac)	553.03	553.03	0.00	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	829.55	829.55	0.00	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	553.03	553.03	0.00	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	442.42	442.42	0.00	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$80.00/ac)	176.97	176.97	0.00	0.00	0.00	0.00
	Off Duty Patrol and Security - 1 year life cycle (PV = \$0.00/mi)	0.00	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 3,854 feet of Aggregate Base Top of Levee - 12 year life cycle (PV = \$50,589.00)	3,846.73	3,846.73	0.00	0.00	0.00	0.00
	Patrol Road O&M - 2,100 feet of Aggregate Base Landside of Levee - 18 year life cycle (PV = \$27,562.50)	1,327.61	1,327.61	0.00	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Asphalt Concrete Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 0 Piezometers - 60 year life cycle (PV = \$15,000.00) (assume 50% from other funding sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 0 Piezometers - 5 year life cycle (PV = \$650.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 0 Piezometers - 1 year life cycle (PV = \$600.00)	0.00	0.00	0.00	0.00	0.00	0.00
	UPRR Flood Control Structure - Replacement and Abandon Existing - Total of 1 - 80 year life cycle (PV = \$290,000.00) (assume 50% from other funding sources)	885.02	885.02	0.00	0.00	0.00	0.00
	UPRR Flood Control Structure - Annual Operation and Maintenance - Total of 1 - 1 year life cycle (PV = \$1,500.00)	1,500.00	1,500.00	0.00	0.00	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$4,500.00/mi)	304.84	304.84	0.00	0.00	0.00	0.00
	SWIF (aka USACE) Compliance (i.e. right of way, tree removal, structure removal, USACE periodic survey) - 10 year return period (based on total of 0.73 miles @ PV = \$8,500.00 per mile)	575.81	575.81	0.00	0.00	0.00	0.00
	Long Term Non-Routine Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi) (assume 100% from other funding sources - USACE, DWR, CVFPB)	0.00	0.00	0.00	0.00	0.00	0.00
Series 3300 - WPIC West Levee - Unit No. 4 - LM 0.00 to LM 6.30 - 33,264' - ROW width 130.0 feet - Acres 99.3 - OMRR&R							
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$125.00/ac)	\$12,409.09	\$12,409.09	\$0.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	2,481.82	2,481.82	0.00	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac)	4,963.64	4,963.64	0.00	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	7,445.45	7,445.45	0.00	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	4,963.64	4,963.64	0.00	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	3,970.91	3,970.91	0.00	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$80.00/ac)	1,588.36	1,588.36	0.00	0.00	0.00	0.00
	Off Duty Patrol and Security - 1 year life cycle (PV = \$0.00/mi)	0.00	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 33,264 feet of Aggregate Base Top of Levee - 12 year life cycle (PV = \$436,590.00)	33,197.79	33,197.79	0.00	0.00	0.00	0.00
	Patrol Road O&M - 2,100 feet of Aggregate Base Landside of Levee - 18 year life cycle (PV = \$27,562.50)	1,327.61	1,327.61	0.00	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Asphalt Concrete Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 1 Piezometers - 50 year life cycle (PV = \$15,000.00)	195.41	195.41	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 1 Piezometers - 5 year life cycle (PV = \$650.00)	125.78	125.78	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 1 Piezometers - 1 year life cycle (PV = \$536.00)	536.00	536.00	0.00	0.00	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$4,500.00/mi)	2,630.81	2,630.81	0.00	0.00	0.00	0.00
	SWIF (aka USACE) Compliance (i.e. right of way, tree removal, structure removal, USACE periodic survey) - 10 year return period (based on total of 6.30 miles @ PV = \$8,500.00 per mile)	4,969.32	4,969.32	0.00	0.00	0.00	0.00
	Long Term Non-Routine Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi) (assume 100% from other funding sources - USACE, DWR, CVFPB)	0.00	0.00	0.00	0.00	0.00	0.00
Series 3350 - Yuba River North Levee - Unit No. 7 - LM 0.00 to LM 3.91 - 20,645' - ROW width 150.0 feet - Acres 71.1 - OMRR&R							
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$125.00/ac)	\$8,886.36	\$8,886.36	\$0.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	1,777.27	1,777.27	0.00	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac)	3,554.55	3,554.55	0.00	0.00	0.00	0.00

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	5,331.82	5,331.82	0.00	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	3,554.55	3,554.55	0.00	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	2,843.64	2,843.64	0.00	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$80.00/ac)	1,137.45	1,137.45	0.00	0.00	0.00	0.00
	Off-Duty Patrol and Security - 1 year life cycle (PV = \$0.00/mi)	0.00	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 20,645 feet of Aggregate Base Top of Levee - 12 year life cycle (PV = \$270,963.00)	20,603.70	20,603.70	0.00	0.00	0.00	0.00
	Patrol Road O&M - 2,100 feet of Aggregate Base Landside of Levee - 18 year life cycle (PV = \$27,562.50)	1,327.61	1,327.61	0.00	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Asphalt Concrete Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 9 Piezometers - 60 year life cycle (PV = \$15,000.00) (assume 50% from other funding sources)	667.08	667.08	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 9 Piezometers - 5 year life cycle (PV = \$650.00)	1,132.02	1,132.02	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 9 Piezometers - 1 year life cycle (PV = \$600.00)	5,400.00	5,400.00	0.00	0.00	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$4,500.00/mi)	1,632.78	1,632.78	0.00	0.00	0.00	0.00
	SWIF (aka USACE) Complaine (i.e. right of way, tree removal, structure removal, USACE periodic survey) - 10 year return period (based on total of 3.91 miles @ PV = \$8,500.00 per mile)	3,084.13	3,084.13	0.00	0.00	0.00	0.00
	Long Term Non-Routine Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi) (assume 100% from other funding sources - USACE, DWR, CVFPB)	0.00	0.00	0.00	0.00	0.00	0.00
Series 3400 - Yuba River South Levee - Unit No. 10 (Goldfield Levee) - LM 0.00 to LM 3.89 - 14,140' - ROW width 220.0 feet - Acres 71.4 - OMRR&R							
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$125.00/ac)	\$8,926.77	\$0.00	\$8,926.77	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	1,785.35	0.00	1,785.35	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac)	3,570.71	0.00	3,570.71	0.00	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	5,356.06	0.00	5,356.06	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	3,570.71	0.00	3,570.71	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	2,856.57	0.00	2,856.57	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$80.00/ac)	1,142.63	0.00	1,142.63	0.00	0.00	0.00
	Off-Duty Patrol and Security - 1 year life cycle (PV = \$0.00/mi)	0.00	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 14,140 feet of Aggregate Base Top of Levee - 12 year life cycle (PV = \$185,587.50)	14,111.85	0.00	14,111.85	0.00	0.00	0.00
	Patrol Road O&M - 2,100 feet of Aggregate Base Landside of Levee - 18 year life cycle (PV = \$27,562.50)	1,327.61	0.00	1,327.61	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Asphalt Concrete Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 0 Piezometers - 60 year life cycle (PV = \$15,000.00) (assume 50% from other funding sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 0 Piezometers - 5 year life cycle (PV = \$650.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 0 Piezometers - 1 year life cycle (PV = \$536.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$4,500.00/mi)	417.59	0.00	417.59	0.00	0.00	0.00
	SWIF (aka USACE) Complaine (i.e. right of way, tree removal, structure removal, USACE periodic survey) - 10 year return period (based on total of 2.68 miles @ PV = \$5,000.00 per mile)	463.99	0.00	463.99	0.00	0.00	0.00
	Long Term Non-Routine Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$18,000.00/mi) (assume 100% from other funding sources - USACE, DWR, CVFPB)	0.00	0.00	0.00	0.00	0.00	0.00
Series 3450 - Bear River North Levee - Unit No. 3B (Horseshoe) - LM 3.23 to LM 4.73 - 7,920' - ROW width 90.0 feet - Acres 16.4 - OMRR&R							
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$125.00/ac)	\$2,045.45	\$0.00	\$0.00	\$2,045.45	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	409.09	0.00	0.00	409.09	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac)	818.18	0.00	0.00	818.18	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	1,227.27	0.00	0.00	1,227.27	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	818.18	0.00	0.00	818.18	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	654.55	0.00	0.00	654.55	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$80.00/ac)	261.82	0.00	0.00	261.82	0.00	0.00
	Off-Duty Patrol and Security - 1 year life cycle (PV = \$0.00/mi)	0.00	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 7,920 feet of Aggregate Base Top of Levee - 18 year life cycle (PV = \$103,950.00)	5,006.97	0.00	0.00	5,006.97	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 0 Piezometers - 50 year life cycle (PV = \$15,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 0 Piezometers - 5 year life cycle (PV = \$650.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 0 Piezometers - 1 year life cycle (PV = \$536.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 20 year life cycle (PV = \$4,500.00/mi)	191.75	0.00	0.00	191.75	0.00	0.00
	SWIF (aka USACE) Complaine (i.e. right of way, tree removal, structure removal, USACE periodic survey) - 10 year return period (based on total of 1.50 miles @ PV = \$10,000.00 per mile)	927.98	0.00	0.00	927.98	0.00	0.00
	Long Term Non-Routine Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi) (assume 100% from other funding sources - USACE, DWR, CVFPB)	0.00	0.00	0.00	0.00	0.00	0.00
Series 3500 - South Dry Creek North Levee - Unit No. 6 (Horseshoe) - LM 0.00 to LM 0.25 - 1,320' - ROW width 70.0 feet - Acres 2.1 - OMRR&R							
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$125.00/ac)	\$265.15	\$0.00	\$0.00	\$265.15	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	53.03	0.00	0.00	53.03	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac)	106.06	0.00	0.00	106.06	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	159.09	0.00	0.00	159.09	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	106.06	0.00	0.00	106.06	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	84.85	0.00	0.00	84.85	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$80.00/ac)	33.94	0.00	0.00	33.94	0.00	0.00
	Off-Duty Patrol and Security - 1 year life cycle (PV = \$0.00/mi)	0.00	0.00	0.00	0.00	0.00	0.00

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
	Patrol Road O&M - 1,320 feet of Aggregate Base Top of Levee - 18 year life cycle (PV = \$17,325.00)	834.49	0.00	0.00	834.49	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 0 Piezometers - 50 year life cycle (PV = \$15,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 0 Piezometers - 5 year life cycle (PV = \$650.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 0 Piezometers - 1 year life cycle (PV = \$536.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 20 year life cycle (PV = \$4,500.00/mi)	47.94	0.00	0.00	47.94	0.00	0.00
	SWIF (aka USACE) Compliance (i.e. right of way, tree removal, structure removal, USACE periodic survey) - 10 year return period (based on total of 0.25 miles @ PV = \$10,000.00 per mile)	927.98	0.00	0.00	927.98	0.00	0.00
	Long Term Non-Routine Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi) (assume 100% from other funding sources - USACE, DWR, CVFPB)	0.00	0.00	0.00	0.00	0.00	0.00
Series 3550 - WPIC East Levee - Unit No. 5 (Horseshoe) - LM 0.00 to LM 4.21 - 22,229' - ROW width 85.0 feet - Acres 43.4 - OMRR&R							
	Annual Levee Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$125.00/ac)	\$5,421.97	\$0.00	\$0.00	\$5,421.97	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	1,084.39	0.00	0.00	1,084.39	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac)	2,168.79	0.00	0.00	2,168.79	0.00	0.00
	Levee Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	3,253.18	0.00	0.00	3,253.18	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	2,168.79	0.00	0.00	2,168.79	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,735.03	0.00	0.00	1,735.03	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$80.00/ac)	694.01	0.00	0.00	694.01	0.00	0.00
	Off-Duty Patrol and Security - 1 year life cycle (PV = \$0.00/mi)	0.00	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 22,229 feet of Aggregate Base Top of Levee - 18 year life cycle (PV = \$291,753.00)	14,052.89	0.00	0.00	14,052.89	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 0 Piezometers - 50 year life cycle (PV = \$15,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 0 Piezometers - 5 year life cycle (PV = \$650.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 0 Piezometers - 1 year life cycle (PV = \$536.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 20 year life cycle (PV = \$4,500.00/mi)	807.26	0.00	0.00	807.26	0.00	0.00
	SWIF (aka USACE) Compliance (i.e. right of way, tree removal, structure removal, USACE periodic survey) - 10 year return period (based on total of 4.21 miles @ PV = \$10,000.00 per mile)	927.98	0.00	0.00	927.98	0.00	0.00
	Long Term Non-Routine Rural Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi) (assume 100% from other funding sources - USACE, DWR, CVFPB)	0.00	0.00	0.00	0.00	0.00	0.00
Series 3600 - Feather River East Levee - Unit No. 9 (Setback Levee Waterside Wave Wash Trees) - LM 0.00 to LM 5.74 - 30,307' - ROW width 125.0 feet - Acres 87.0 - OMRR&R							
	Annual Contract Maintenance (i.e. sheep, dragging, burning, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (assume 50% of area)	\$5,435.61	\$5,435.61	\$0.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$25.00/ac)	1,087.12	1,087.12	0.00	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac)	2,174.24	2,174.24	0.00	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$75.00/ac)	3,261.36	3,261.36	0.00	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac)	2,174.24	2,174.24	0.00	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume spray 20% of area) - 1 year life cycle (PV = \$200.00/ac)	1,739.39	1,739.39	0.00	0.00	0.00	0.00
	Rodent and Squirrel Control (Assume 20% area) - 1 year life cycle (PV = \$80.00/ac)	695.76	695.76	0.00	0.00	0.00	0.00
	Off-Duty Patrol and Security - 1 year life cycle (PV = \$0.00/mi)	0.00	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Top of Levee - 15 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Patrol Road O&M - 0 feet of Aggregate Base Landside of Levee - 15 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Replacement - Total of 0 Piezometers - 50 year life cycle (PV = \$15,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Annual O&M - Total of 0 Piezometers - 5 year life cycle (PV = \$650.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Piezometer - Bi-Annual Reading and Reporting - Total of 0 Piezometers - 1 year life cycle (PV = \$536.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Fences and Gates - 10 year life cycle (PV = \$6,000.00/mi)	0.00	0.00	0.00	0.00	0.00	0.00
	Long Term Non-Urban Levee Repair, Rehabilitation, and Replacement - 1 year life cycle (PV = \$13,000.00/mi)	0.00	0.00	0.00	0.00	0.00	0.00
Series 4000 - Pump Station No. 1 - Woody PS - 2 Pumps - OMRR&R (Constructed 1960) - ? Acre Service Area							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$1,500.00)	\$1,500.00	\$0.00	\$0.00	\$0.00	\$1,500.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$800.00)	800.00	0.00	0.00	0.00	800.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$5,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$800.00)	800.00	0.00	0.00	0.00	800.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Based on 2012/2013 through 2016/2017 average) - 1 year life cycle (PV = \$3,500.00)	3,500.00	0.00	0.00	0.00	3,500.00	0.00
	SCADA Service - 5 year life cycle (PV = \$2,500.00)	0.00	0.00	0.00	0.00	0.00	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	0.00	0.00	0.00	1,440.00	0.00
	Tank and Fuel Reconditioning - 2 year life cycle (PV = \$1,500.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$5,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Trash Rack Replacement - 40 year life cycle (PV = \$60,000.00)	1,070.97	0.00	0.00	0.00	1,070.97	0.00
	Pipe Replacement - 80 year life cycle (2 @ PV = \$65,000.00) (assume 50% from other funding sources)	396.74	0.00	0.00	0.00	396.74	0.00
	Pump Rebuild and Ceramic Coating - 42 Inch Peerless Pump - Serial 237562 - Model 42MF - 10 year life cycle (PV = \$18,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 2-36 Inch Bryon Jackson Pump - Model 36 MF - 15 year life cycle (PV = \$15,000.00)	1,779.07	0.00	0.00	0.00	1,779.07	0.00
	Motor Rebuild - 200 HP 460 Volt GE - 25 year life cycle (PV = \$8,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Motor Rebuild - 2-100 HP 460 Volt GE - 30 year life cycle (PV = \$6,000.00)	312.36	0.00	0.00	0.00	312.36	0.00
	Pump Station Replacement - 100 year life cycle (PV = \$800,000.00) (assume 50% of funding from other sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Motor Control and Telemetry Upgrades - 25 year life cycle (PV = \$165,000.00) (assume 50% of funding from other sources)	0.00	0.00	0.00	0.00	0.00	0.00

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
	Emergency Backup Generator - 25 year life cycle (PV = \$90,000.00) (assume 50% of funding from other sources)	0.00	0.00	0.00	0.00	0.00	0.00
Series 4050 - Pump Station No. 2 - Feather River PS - 4 Pumps - OMRR&R (Constructed 2002) - ? Acre Service Area							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$15,000.00)	\$15,000.00	\$0.00	\$0.00	\$0.00	\$15,000.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$1,500.00)	1,500.00	0.00	0.00	0.00	1,500.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$4,500.00)	4,500.00	0.00	0.00	0.00	4,500.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	1,500.00	0.00	0.00	0.00	1,500.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Based on 2012/2013 through 2016/2017 average) - 1 year life cycle (PV = \$37,500.00)	37,500.00	0.00	0.00	0.00	37,500.00	0.00
	SCADA Service - 5 year life cycle (PV = \$2,500.00)	483.77	0.00	0.00	0.00	483.77	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	0.00	0.00	0.00	1,440.00	0.00
	Tank and Fuel Reconditioning - 2 year life cycle (PV = \$3,000.00)	1,487.73	0.00	0.00	0.00	1,487.73	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$5,000.00)	4,837.70	0.00	0.00	0.00	4,837.70	0.00
	Trash Rack Replacement - 30 year life cycle (PV = \$100,000.00)	2,603.00	0.00	0.00	0.00	2,603.00	0.00
	Pipe Replacement - 80 year life cycle (4 @ PV = \$225,000.00) (assume 50% from other funding sources)	2,746.63	0.00	0.00	0.00	2,746.63	0.00
	Pump Rebuild and Ceramic Coating - 2-36 Inch Cascade - Model 24MF 710 RPM - 15 year life cycle (PV = \$16,000.00)	1,897.68	0.00	0.00	0.00	1,897.68	0.00
	Pump Rebuild and Ceramic Coating - 2-36 Inch Cascade (24 inch column) - Model 20MF 880 RPM - 15 year life cycle (PV = \$16,000.00)	1,897.68	0.00	0.00	0.00	1,897.68	0.00
	Motor Rebuild - 2-200 HP 460 Volt GE 710 rpm 3 phase 60 Hz - 25 year life cycle (PV = \$8,000.00)	522.24	0.00	0.00	0.00	522.24	0.00
	Motor Rebuild - 2-150 HP 460 Volt US Motor 900 rpm 3 phase 60 Hz - 25 year life cycle (PV = \$8,000.00)	522.24	0.00	0.00	0.00	522.24	0.00
	Pump Station Replacement - 100 year life cycle (PV = \$1,800,000.00) (assume 50% of funding from other sources)	3,589.26	0.00	0.00	0.00	3,589.26	0.00
	Motor Control and Telementary Upgrades - 25 year life cycle (PV = \$345,000.00) (assume 50% of funding from other sources)	5,630.42	0.00	0.00	0.00	5,630.42	0.00
	Emergency Backup Generator - 25 year life cycle (PV = \$180,000.00) (assume 50% of funding from other sources)	2,937.61	0.00	0.00	0.00	2,937.61	0.00
Series 4100 - Pump Station No. 3 - Plumas Lake PS - 5 Pumps - OMRR&R (Constructed 2012) - ? Acre Service Area							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$20,000.00)	\$20,000.00	\$0.00	\$0.00	\$0.00	\$20,000.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$1,500.00)	1,500.00	0.00	0.00	0.00	1,500.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$4,500.00)	4,500.00	0.00	0.00	0.00	4,500.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	1,500.00	0.00	0.00	0.00	1,500.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Based on 2012/2013 through 2016/2017 average) - 1 year life cycle (PV = \$27,500.00)	27,500.00	0.00	0.00	0.00	27,500.00	0.00
	SCADA Service - 5 year life cycle (PV = \$2,500.00)	483.77	0.00	0.00	0.00	483.77	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	0.00	0.00	0.00	1,440.00	0.00
	Tank and Fuel Reconditioning - 2 year life cycle (PV = \$3,000.00)	1,487.73	0.00	0.00	0.00	1,487.73	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$5,000.00)	4,837.70	0.00	0.00	0.00	4,837.70	0.00
	Trash Rack Replacement - 30 year life cycle (PV = \$100,000.00)	2,603.00	0.00	0.00	0.00	2,603.00	0.00
	Pipe Replacement - 80 year life cycle (4 @ PV = \$250,000.00) (assume 50% from other funding sources)	3,051.81	0.00	0.00	0.00	3,051.81	0.00
	Pump Rebuild and Ceramic Coating - 4-36 Inch Cascade - Model 24MF 710 RPM - 15 year life cycle (PV = \$16,000.00)	3,795.35	0.00	0.00	0.00	3,795.35	0.00
	Pump Rebuild and Ceramic Coating - 12 Inch Cascade - Model 8MF 1760 RPM - 15 year life cycle (PV = \$12,000.00)	711.63	0.00	0.00	0.00	711.63	0.00
	Motor Rebuild - 4-150 HP 720 rpm 460 Volt 3 Phase 60 Hz Std Efficiency US Motor - 25 year life cycle (PV = \$8,000.00)	1,044.48	0.00	0.00	0.00	1,044.48	0.00
	Motor Rebuild - 1-40 HP 1800 rpm 460 Volt 3 Phase 60 Hz Std Efficiency US Motor - 25 year life cycle (PV = \$8,000.00)	261.12	0.00	0.00	0.00	261.12	0.00
	Pump Station Replacement - 100 year life cycle (PV = \$2,250,000.00) (assume 50% of funding from other sources)	4,486.58	0.00	0.00	0.00	4,486.58	0.00
	Motor Control and Telementary Upgrades - 25 year life cycle (PV = \$380,000.00) (assume 50% of funding from other sources)	6,201.62	0.00	0.00	0.00	6,201.62	0.00
	Emergency Backup Generator - Cummins Power Model 450.0 DFEG 450 KW 480 volts 677 amps 1800 rpm 755 HP - 25 year life cycle (PV = \$180,000.00) (assume 50% of funding from other sources)	2,937.61	0.00	0.00	0.00	2,937.61	0.00
Series 4150 - Pump Station No. 4 - Tahiti PS - 2 Pumps - OMRR&R (Constructed 1960) - ? Acre Service Area							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$6,000.00)	\$6,000.00	\$0.00	\$0.00	\$0.00	\$6,000.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$500.00)	500.00	0.00	0.00	0.00	500.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$500.00)	500.00	0.00	0.00	0.00	500.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Based on 2012/2013 through 2016/2017 average) - 1 year life cycle (PV = \$2,000.00)	2,000.00	0.00	0.00	0.00	2,000.00	0.00
	SCADA Service - 5 year life cycle (PV = \$2,500.00)	483.77	0.00	0.00	0.00	483.77	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	0.00	0.00	0.00	1,440.00	0.00
	Tank and Fuel Reconditioning - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$5,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Trash Rack Replacement - 40 year life cycle (PV = \$35,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Pipe Replacement - 80 year life cycle (2 @ PV = \$81,250.00) (assume 50% from other funding sources)	495.92	0.00	0.00	0.00	495.92	0.00
	Pump Rebuild and Ceramic Coating - 12 Inch Bryon Jackson Pump - Model 17HQO - 15 year life cycle (PV = \$8,500.00)	504.07	0.00	0.00	0.00	504.07	0.00
	Pump Rebuild and Ceramic Coating - 10 Inch Fairbanks Morse Pump - Model 17HQO - 15 year life cycle (PV = \$6,500.00)	385.47	0.00	0.00	0.00	385.47	0.00
	Motor Rebuild - 1-20 HP 460 Volt GE - 25 year life cycle (PV = \$4,500.00)	146.88	0.00	0.00	0.00	146.88	0.00
	Motor Rebuild - 1-10 HP 460 Volt GE - 25 year life cycle (PV = \$3,500.00)	114.24	0.00	0.00	0.00	114.24	0.00
	Pump Station Replacement - 100 year life cycle (PV = \$364,000.00) (assume 50% of funding from other sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Motor Control and Telementary Upgrades - 25 year life cycle (PV = \$65,000.00) (assume 50% of funding from other sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Emergency Backup Generator - 25 year life cycle (PV = \$90,000.00) (assume 50% of funding from other sources)	0.00	0.00	0.00	0.00	0.00	0.00

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
Series 4200 - Pump Station No. 5 - Avondale PS - 2 Pumps - OMRR&R (Constructed ?) - ? Acre Service Area							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$6,000.00)	\$6,000.00	\$0.00	\$0.00	\$0.00	\$6,000.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$1,500.00)	1,500.00	0.00	0.00	0.00	1,500.00	0.00
	Fuel and Oil - 2 year life cycle (PV = \$3,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	1,500.00	0.00	0.00	0.00	1,500.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Based on 2012/2013 through 2016/2017 average) - 1 year life cycle (PV = \$2,500.00)	2,500.00	0.00	0.00	0.00	2,500.00	0.00
	SCADA Service - 5 year life cycle (PV = \$2,500.00)	483.77	0.00	0.00	0.00	483.77	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	0.00	0.00	0.00	1,440.00	0.00
	Tank and Fuel Reconditioning - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$5,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Trash Rack Replacement - 30 year life cycle (PV = \$100,000.00)	2,603.00	0.00	0.00	0.00	2,603.00	0.00
	Pipe Replacement - 80 year life cycle (0 @ PV = \$80,000.00) (assume 50% from other funding sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 12 Inch Bryon Jackson Pump -Model 17HQO - 15 year life cycle (PV = \$8,500.00)	504.07	0.00	0.00	0.00	504.07	0.00
	Pump Rebuild and Ceramic Coating - 10 Inch Flowmaster Pump -Model 17HQO - 15 year life cycle (PV = \$6,500.00)	385.47	0.00	0.00	0.00	385.47	0.00
	Motor Rebuild - 1-60 HP 460 Volt GE - 25 year life cycle (PV = \$8,500.00)	277.44	0.00	0.00	0.00	277.44	0.00
	Motor Rebuild - 1-25 HP 460 Volt Flowmaster - 25 year life cycle (PV = \$6,500.00)	212.16	0.00	0.00	0.00	212.16	0.00
	Pump Station Replacement - 100 year life cycle (PV = \$525,000.00) (assume 50% of funding from other sources)	1,046.87	0.00	0.00	0.00	1,046.87	0.00
	Motor Control and Telementary Upgrades - 25 year life cycle (PV = \$125,000.00) (assume 50% of funding from other sources)	2,040.01	0.00	0.00	0.00	2,040.01	0.00
	Emergency Backup Generator - 25 year life cycle (PV = \$120,000.00) (assume 50% of funding from other sources)	1,958.41	0.00	0.00	0.00	1,958.41	0.00
Series 4250 - Pump Station No. 6 - Bear River PS - 4 Pumps - OMRR&R (Constructed 2008) - ? Acre Service Area							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$20,000.00)	\$20,000.00	\$0.00	\$0.00	\$0.00	\$20,000.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$1,500.00)	1,500.00	0.00	0.00	0.00	1,500.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$4,500.00)	4,500.00	0.00	0.00	0.00	4,500.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	1,500.00	0.00	0.00	0.00	1,500.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Based on 2012/2013 through 2016/2017 average) - 1 year life cycle (PV = \$35,000.00)	35,000.00	0.00	0.00	0.00	35,000.00	0.00
	SCADA Service - 5 year life cycle (PV = \$2,500.00)	483.77	0.00	0.00	0.00	483.77	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	0.00	0.00	0.00	1,440.00	0.00
	Tank and Fuel Reconditioning - 2 year life cycle (PV = \$3,000.00)	1,487.73	0.00	0.00	0.00	1,487.73	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$5,000.00)	3,870.16	0.00	0.00	0.00	3,870.16	0.00
	Trash Rack Replacement - 30 year life cycle (PV = \$100,000.00)	2,603.00	0.00	0.00	0.00	2,603.00	0.00
	Pipe Replacement - 80 year life cycle (4 @ PV = \$250,000.00) (assume 50% from other funding sources)	3,051.81	0.00	0.00	0.00	3,051.81	0.00
	Pump Rebuild and Ceramic Coating - 4-36 Inch Byron Jackson - Model 30MF 590 RPM - 15 year life cycle (PV = \$16,000.00)	3,795.35	0.00	0.00	0.00	3,795.35	0.00
	Motor Rebuild - 4-200 HP 460 Volt 600 rpm 3 phase 60 Hz US Motor - 25 year life cycle (PV = \$8,000.00)	1,044.48	0.00	0.00	0.00	1,044.48	0.00
	Pump Station Replacement - 100 year life cycle (PV = \$2,500,000.00) (assume 50% of funding from other sources)	4,985.09	0.00	0.00	0.00	4,985.09	0.00
	Motor Control and Telementary Upgrades - 25 year life cycle (PV = \$380,000.00) (assume 50% of funding from other sources)	6,201.62	0.00	0.00	0.00	6,201.62	0.00
	Emergency Backup Generator - 25 year life cycle (PV = \$165,000.00) (assume 50% of funding from other sources)	2,692.81	0.00	0.00	0.00	2,692.81	0.00
Series 4300 - Pump Station No. 7 - Chestnut PS - 2 Pumps - OMRR&R (Constructed 1960) - ? Acre Service Area							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$6,000.00)	\$6,000.00	\$0.00	\$0.00	\$0.00	\$6,000.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$1,500.00)	1,500.00	0.00	0.00	0.00	1,500.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$500.00)	500.00	0.00	0.00	0.00	500.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	1,500.00	0.00	0.00	0.00	1,500.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Based on 2012/2013 through 2016/2017 average) - 1 year life cycle (PV = \$2,500.00)	2,500.00	0.00	0.00	0.00	2,500.00	0.00
	SCADA Service - 5 year life cycle (PV = \$2,500.00)	483.77	0.00	0.00	0.00	483.77	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	0.00	0.00	0.00	1,440.00	0.00
	Tank and Fuel Reconditioning - 2 year life cycle (PV = \$1,500.00)	743.86	0.00	0.00	0.00	743.86	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$5,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Trash Rack Replacement - 30 year life cycle (PV = \$100,000.00)	2,603.00	0.00	0.00	0.00	2,603.00	0.00
	Pipe Replacement - 80 year life cycle (0 @ PV = \$525,000.00) (assume 50% from other funding sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 2-36 Inch Peerless Pump - Model 36 MF - 15 year life cycle (PV = \$15,000.00)	1,779.07	0.00	0.00	0.00	1,779.07	0.00
	Motor Rebuild - 2-125 HP 460 Volt GE - 25 year life cycle (PV = \$6,000.00)	391.68	0.00	0.00	0.00	391.68	0.00
	Pump Station Replacement - 100 year life cycle (PV = \$650,000.00) (assume 50% of funding from other sources)	1,296.12	0.00	0.00	0.00	1,296.12	0.00
	Motor Control and Telementary Upgrades - 25 year life cycle (PV = \$125,000.00) (assume 50% of funding from other sources)	2,040.01	0.00	0.00	0.00	2,040.01	0.00
	Emergency Backup Generator - 25 year life cycle (PV = \$90,000.00) (assume 50% of funding from other sources)	1,468.80	0.00	0.00	0.00	1,468.80	0.00
Series 4350 - Pump Station No. 8 - Danna PS - 1 Pump - OMRR&R (Constructed 2014) - ? Acre Service Area							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$3,000.00)	\$3,000.00	\$0.00	\$0.00	\$0.00	\$3,000.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$750.00)	750.00	0.00	0.00	0.00	750.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$750.00)	750.00	0.00	0.00	0.00	750.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Based on 2012/2013 through 2016/2017 average) - 1 year life cycle (PV = \$2,400.00)	2,400.00	0.00	0.00	0.00	2,400.00	0.00
	SCADA Service - 5 year life cycle (PV = \$2,500.00)	483.77	0.00	0.00	0.00	483.77	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	0.00	0.00	0.00	1,440.00	0.00

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
	Tank and Fuel Reconditioning - 2 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$5,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Trash Rack Replacement - 30 year life cycle (PV = \$35,000.00)	911.05	0.00	0.00	0.00	911.05	0.00
	Pipe Replacement - 80 year life cycle (1 @ PV = \$45,000.00) (assume 50% from other funding sources)	137.33	0.00	0.00	0.00	137.33	0.00
	Pump Rebuild and Ceramic Coating - 12 Inch Cascade - Model 8MF 1760 RPM - 15 year life cycle (PV = \$8,000.00)	474.42	0.00	0.00	0.00	474.42	0.00
	Motor Rebuild - 1-15 HP 460 volt 60 Hz ??? rpm US Motor - 25 year life cycle (PV = \$4,500.00)	146.88	0.00	0.00	0.00	146.88	0.00
	Pump Station Replacement - 100 year life cycle (PV = \$350,000.00) (assume 50% of funding from other sources)	7,677.03	0.00	0.00	0.00	7,677.03	0.00
	Motor Control and Telementary Upgrades - 25 year life cycle (PV = \$150,000.00) (assume 50% of funding from other sources)	2,448.01	0.00	0.00	0.00	2,448.01	0.00
	Emergency Backup Generator - 25 year life cycle (PV = \$65,000.00) (assume 50% of funding from other sources)	0.00	0.00	0.00	0.00	0.00	0.00
Series 4400 - Pump Station No. 9 - Island Road PS - 2 Pumps - OMRR&R (Constructed 1980) - ? Acre Service Area							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$10,000.00)	\$10,000.00	\$0.00	\$0.00	\$0.00	\$10,000.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$1,500.00)	1,500.00	0.00	0.00	0.00	1,500.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$500.00)	500.00	0.00	0.00	0.00	500.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	1,500.00	0.00	0.00	0.00	1,500.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Based on 2012/2013 through 2016/2017 average) - 1 year life cycle (PV = \$5,000.00)	5,000.00	0.00	0.00	0.00	5,000.00	0.00
	SCADA Service - 5 year life cycle (PV = \$2,500.00)	483.77	0.00	0.00	0.00	483.77	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	0.00	0.00	0.00	1,440.00	0.00
	Tank and Fuel Reconditioning - 2 year life cycle (PV = \$1,500.00)	743.86	0.00	0.00	0.00	743.86	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$5,000.00)	1,935.08	0.00	0.00	0.00	1,935.08	0.00
	Trash Rack Replacement - 30 year life cycle (PV = \$100,000.00)	2,603.00	0.00	0.00	0.00	2,603.00	0.00
	Pipe Replacement - 80 year life cycle (2 @ PV = \$225,000.00) (assume 50% from other funding sources)	1,373.31	0.00	0.00	0.00	1,373.31	0.00
	Pump Rebuild and Ceramic Coating - 2-36 Inch Bryon Jackson Pump - Model 17HQH ??? rpm - 15 year life cycle (PV = \$15,000.00)	1,779.07	0.00	0.00	0.00	1,779.07	0.00
	Motor Rebuild - 2-100 HP 460 Volt ??? rpm 60 Hz 3 Phase GE Motor - 25 year life cycle (PV = \$6,000.00)	391.68	0.00	0.00	0.00	391.68	0.00
	Pump Station Replacement - 100 year life cycle (PV = \$650,000.00) (assume 50% of funding from other sources)	1,296.12	0.00	0.00	0.00	1,296.12	0.00
	Motor Control and Telementary Upgrades - 25 year life cycle (PV = \$250,000.00) (assume 50% of funding from other sources)	4,080.01	0.00	0.00	0.00	4,080.01	0.00
	Emergency Backup Generator - 25 year life cycle (PV = \$180,000.00) (assume 50% of funding from other sources)	2,937.61	0.00	0.00	0.00	2,937.61	0.00
Series 4450 - Pump Station No. 10 - Ella Pond PS - 4 Pumps - OMRR&R (Constructed 2014) - ? Acre Service Area							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$12,000.00)	\$12,000.00	\$0.00	\$0.00	\$0.00	\$12,000.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$1,500.00)	1,500.00	0.00	0.00	0.00	1,500.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$2,500.00)	2,500.00	0.00	0.00	0.00	2,500.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	1,500.00	0.00	0.00	0.00	1,500.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Based on 2012/2013 through 2016/2017 average) - 1 year life cycle (PV = \$35,000.00)	35,000.00	0.00	0.00	0.00	35,000.00	0.00
	SCADA Service - 5 year life cycle (PV = \$2,500.00)	483.77	0.00	0.00	0.00	483.77	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	0.00	0.00	0.00	1,440.00	0.00
	Tank and Fuel Reconditioning - 2 year life cycle (PV = \$3,000.00)	1,487.73	0.00	0.00	0.00	1,487.73	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$5,000.00)	1,935.08	0.00	0.00	0.00	1,935.08	0.00
	Trash Rack Replacement - 30 year life cycle (PV = \$100,000.00)	2,603.00	0.00	0.00	0.00	2,603.00	0.00
	Pipe Replacement - 80 year life cycle (2 @ PV = \$225,000.00) (assume 50% from other funding sources)	1,373.31	0.00	0.00	0.00	1,373.31	0.00
	Pump Rebuild and Ceramic Coating - 42 Inch Peerless Pump - Serial 237562 - Model 42MF - 10 year life cycle (PV = \$18,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 4-36 Inch Peerless Pump - Model 36 MF - 15 year life cycle (PV = \$15,000.00)	3,558.14	0.00	0.00	0.00	3,558.14	0.00
	Motor Rebuild - 4-125 HP 460 Volt GE - 25 year life cycle (PV = \$6,000.00)	783.36	0.00	0.00	0.00	783.36	0.00
	Pump Station Replacement - 100 year life cycle (PV = \$1,560,000.00) (assume 50% of funding from other sources)	3,110.69	0.00	0.00	0.00	3,110.69	0.00
	Motor Control and Telementary Upgrades - 25 year life cycle (PV = \$385,000.00) (assume 50% of funding from other sources)	6,283.22	0.00	0.00	0.00	6,283.22	0.00
	Emergency Backup Generator - 25 year life cycle (PV = \$180,000.00) (assume 50% of funding from other sources)	2,937.61	0.00	0.00	0.00	2,937.61	0.00
Series 4500 - Pump Station No. 11 - Goldfield Levee Pond PS - 2 Pumps - OMRR&R (Constructed 2019) - ? Acre Service Area							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$3,000.00)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$750.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$750.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) (Based on 2012/2013 through 2016/2017 average) - 1 year life cycle (PV = \$800.00)	0.00	0.00	0.00	0.00	0.00	0.00
	SCADA Service - 5 year life cycle (PV = \$2,500.00)	0.00	0.00	0.00	0.00	0.00	0.00
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Tank and Fuel Reconditioning - 2 year life cycle (PV = \$1,500.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$5,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Trash Rack Replacement - 30 year life cycle (PV = \$35,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Pipe Replacement - 80 year life cycle (0 @ PV = \$200,000.00) (assume 50% from other funding sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 12 Inch Cascade - Model 8MF 1760 RPM - 15 year life cycle (PV = \$8,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Motor Rebuild - 1-15 HP 460 volt 60 Hz ??? rpm US Motor - 25 year life cycle (PV = \$4,500.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Pump Station Replacement - 100 year life cycle (PV = \$350,000.00) (assume 50% of funding from other sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Motor Control and Telementary Upgrades - 25 year life cycle (PV = \$150,000.00) (assume 50% of funding from other sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Emergency Backup Generator - 25 year life cycle (PV = \$65,000.00) (assume 50% of funding from other sources)	0.00	0.00	0.00	0.00	0.00	0.00

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
Series 4550 - Pump Station - South Olivehurst Pump Station (Yuba County) - 3 Pumps - OMRR&R (Constructed 1960) - 5,295 Acre Service Area							
	Annual Pump Maintenance Contract and Repairs - 1 year life cycle (PV = \$7,500.00)	\$7,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7,500.00
	Additional Contract Labor - 1 year life cycle (PV = \$2,500.00)	2,500.00	0.00	0.00	0.00	0.00	2,500.00
	Fuel and Oil - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$1,500.00)	1,500.00	0.00	0.00	0.00	0.00	1,500.00
	Equipment Rental - 1 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Utilities - (Electric/Phone/Water) - 1 year life cycle (PV = \$20,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	SCADA Service - 5 year life cycle (PV = \$2,500.00)	483.77	0.00	0.00	0.00	0.00	483.77
	CCTV Monitoring and Security - 1 year life cycle (PV = \$1,440.00)	1,440.00	0.00	0.00	0.00	0.00	1,440.00
	Tank and Fuel Reconditioning - 2 year life cycle (PV = \$1,500.00)	743.86	0.00	0.00	0.00	0.00	743.86
	Video Inspection and/or Pressure Testing of Pipelines - 5 year life cycle (PV = \$5,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Trash Rack Replacement - 60 year life cycle (PV = \$100,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Pipe Replacement - 80 year life cycle (0 @ PV = \$225,000.00) (assume 50% from other funding sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 42 Inch Peerless Pump - Serial 237562 - Model 42MF - 15 year life cycle (PV = \$18,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Pump Rebuild and Ceramic Coating - 2-36 Inch Peerless Pump - Model 36 MF - 15 year life cycle (PV = \$15,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Motor Rebuild - 2-125 HP 460 Volt GE - 25 year life cycle (PV = \$6,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Pump Station Replacement - 100 year life cycle (PV = \$1,950,000.00) (assume 50% of funding from other sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Motor Control and Telementary Upgrades - 25 year life cycle (PV = \$380,000.00) (assume 50% of funding from other sources)	0.00	0.00	0.00	0.00	0.00	0.00
	Emergency Backup Generator - 25 year life cycle (PV = \$210,000.00) (assume 50% of funding from other sources)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5000 - Lateral No. 5 - 5,760.0 feet - Approx 7.9 acres - Approx 60.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$495.87	\$0.00	\$0.00	\$0.00	\$495.87	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	79.34	0.00	0.00	0.00	79.34	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	198.35	0.00	0.00	0.00	198.35	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	99.17	0.00	0.00	0.00	99.17	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	198.35	0.00	0.00	0.00	198.35	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 30% area) - 1 year life cycle (PV = \$200.00/ac)	476.03	0.00	0.00	0.00	476.03	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	158.68	0.00	0.00	0.00	158.68	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5025 - Lateral No. 8 (Anderson Avenue Ditch) - 520.0 feet - Approx 0.5 acres - Approx 40.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$29.84	\$0.00	\$0.00	\$0.00	\$29.84	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	4.78	0.00	0.00	0.00	4.78	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	11.94	0.00	0.00	0.00	11.94	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	5.97	0.00	0.00	0.00	5.97	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	11.94	0.00	0.00	0.00	11.94	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 30% area) - 1 year life cycle (PV = \$200.00/ac)	28.65	0.00	0.00	0.00	28.65	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	9.55	0.00	0.00	0.00	9.55	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5050 - Lateral No. 9 (Country Club Ditch) - 3,100.0 feet - Approx 2.8 acres - Approx 40.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$177.92	\$0.00	\$0.00	\$0.00	\$177.92	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	28.47	0.00	0.00	0.00	28.47	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	71.17	0.00	0.00	0.00	71.17	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	35.58	0.00	0.00	0.00	35.58	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	71.17	0.00	0.00	0.00	71.17	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 30% area) - 1 year life cycle (PV = \$200.00/ac)	170.80	0.00	0.00	0.00	170.80	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	56.93	0.00	0.00	0.00	56.93	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5075 - Lateral No. 10 (Broadway Ditch) - 1,920.0 feet - Approx 1.8 acres - Approx 40.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$110.19	\$0.00	\$0.00	\$0.00	\$110.19	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	17.63	0.00	0.00	0.00	17.63	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	44.08	0.00	0.00	0.00	44.08	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	22.04	0.00	0.00	0.00	22.04	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	44.08	0.00	0.00	0.00	44.08	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 30% area) - 1 year life cycle (PV = \$200.00/ac)	105.79	0.00	0.00	0.00	105.79	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	35.26	0.00	0.00	0.00	35.26	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
Series 5100 - Lateral No. 11 (West Broadway Ditch) - 1,275.0 feet - Approx 1.2 acres - Approx 40.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$73.17	\$0.00	\$0.00	\$0.00	\$73.17	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	11.71	0.00	0.00	0.00	11.71	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	29.27	0.00	0.00	0.00	29.27	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	14.63	0.00	0.00	0.00	14.63	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	29.27	0.00	0.00	0.00	29.27	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 30% area) - 1 year life cycle (PV = \$200.00/ac)	70.25	0.00	0.00	0.00	70.25	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	23.42	0.00	0.00	0.00	23.42	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5125 - Lateral No. 12 (Plumas Street Ditch) - 1,400.0 feet - Approx 1.3 acres - Approx 40.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$80.35	\$0.00	\$0.00	\$0.00	\$80.35	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	12.86	0.00	0.00	0.00	12.86	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	32.14	0.00	0.00	0.00	32.14	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	16.07	0.00	0.00	0.00	16.07	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	32.14	0.00	0.00	0.00	32.14	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 30% area) - 1 year life cycle (PV = \$200.00/ac)	77.13	0.00	0.00	0.00	77.13	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	25.71	0.00	0.00	0.00	25.71	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5150 - Lateral No. 13 (Upper Clark Slough) - 22,030.0 feet - Approx 40.5 acres - Approx 80.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$2,528.70	\$0.00	\$0.00	\$0.00	\$2,528.70	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	404.59	0.00	0.00	0.00	404.59	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	1,011.48	0.00	0.00	0.00	1,011.48	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	505.74	0.00	0.00	0.00	505.74	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	1,011.48	0.00	0.00	0.00	1,011.48	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 30% area) - 1 year life cycle (PV = \$200.00/ac)	2,427.55	0.00	0.00	0.00	2,427.55	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	809.18	0.00	0.00	0.00	809.18	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5175 - Lateral No. 14 (Feather River Blvd. Ditch) - 13,700.0 feet - Approx 18.9 acres - Approx 60.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$1,179.41	\$0.00	\$0.00	\$0.00	\$1,179.41	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	188.71	0.00	0.00	0.00	188.71	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	471.76	0.00	0.00	0.00	471.76	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	235.88	0.00	0.00	0.00	235.88	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	471.76	0.00	0.00	0.00	471.76	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 30% area) - 1 year life cycle (PV = \$200.00/ac)	1,132.23	0.00	0.00	0.00	1,132.23	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	377.41	0.00	0.00	0.00	377.41	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5200 - Lateral No. 15 (Algodon Canal) - 53,290.0 feet - Approx 73.4 acres - Approx 60.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$4,587.64	\$0.00	\$0.00	\$0.00	\$4,587.64	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	734.02	0.00	0.00	0.00	734.02	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	1,835.06	0.00	0.00	0.00	1,835.06	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	917.53	0.00	0.00	0.00	917.53	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	1,835.06	0.00	0.00	0.00	1,835.06	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 30% area) - 1 year life cycle (PV = \$200.00/ac)	4,404.13	0.00	0.00	0.00	4,404.13	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	1,468.04	0.00	0.00	0.00	1,468.04	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5225 - Lateral No. 16 (Rio Del Oro Canal) - 7,370.0 feet - Approx 10.2 acres - Approx 60.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$634.47	\$0.00	\$0.00	\$0.00	\$634.47	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	101.52	0.00	0.00	0.00	101.52	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	253.79	0.00	0.00	0.00	253.79	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	126.89	0.00	0.00	0.00	126.89	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	253.79	0.00	0.00	0.00	253.79	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 30% area) - 1 year life cycle (PV = \$200.00/ac)	609.09	0.00	0.00	0.00	609.09	0.00

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	203.03	0.00	0.00	0.00	203.03	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5250 - Lateral No. 17 (Yuba County Airport Ditch) - 5,320.0 feet - Approx 4.9 acres - Approx 40.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$305.33	\$0.00	\$0.00	\$0.00	\$305.33	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	48.85	0.00	0.00	0.00	48.85	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	122.13	0.00	0.00	0.00	122.13	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	61.07	0.00	0.00	0.00	61.07	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	122.13	0.00	0.00	0.00	122.13	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 30% area) - 1 year life cycle (PV = \$200.00/ac)	293.11	0.00	0.00	0.00	293.11	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	97.70	0.00	0.00	0.00	97.70	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5275 - Lateral No. 18 (Leak Ranch Ditch) - 2,130.0 feet - Approx 2.0 acres - Approx 40.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$122.25	\$0.00	\$0.00	\$0.00	\$122.25	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	19.56	0.00	0.00	0.00	19.56	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	48.90	0.00	0.00	0.00	48.90	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	24.45	0.00	0.00	0.00	24.45	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	48.90	0.00	0.00	0.00	48.90	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 30% area) - 1 year life cycle (PV = \$200.00/ac)	117.36	0.00	0.00	0.00	117.36	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	39.12	0.00	0.00	0.00	39.12	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5300 - Lateral No. 19 (Lower Clark Slough) - 12,280.0 feet - Approx 22.6 acres - Approx 80.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$1,409.55	\$0.00	\$0.00	\$0.00	\$1,409.55	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	225.53	0.00	0.00	0.00	225.53	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	563.82	0.00	0.00	0.00	563.82	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	281.91	0.00	0.00	0.00	281.91	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	563.82	0.00	0.00	0.00	563.82	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 30% area) - 1 year life cycle (PV = \$200.00/ac)	1,353.17	0.00	0.00	0.00	1,353.17	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	451.06	0.00	0.00	0.00	451.06	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5325 - Lateral No. 20 (Lower Clark Slough) - 7,443.0 feet - Approx 6.8 acres - Approx 40.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$427.17	\$0.00	\$0.00	\$0.00	\$427.17	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	68.35	0.00	0.00	0.00	68.35	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	170.87	0.00	0.00	0.00	170.87	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	85.43	0.00	0.00	0.00	85.43	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	170.87	0.00	0.00	0.00	170.87	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 30% area) - 1 year life cycle (PV = \$200.00/ac)	410.08	0.00	0.00	0.00	410.08	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	136.69	0.00	0.00	0.00	136.69	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5350 - Lateral No. 21 (Feather River Concrete Canal) - 9,030.0 feet - Approx 8.3 acres - Approx 40.0 feet wide - OMRR&R - Budgeted as part of Relief Well System on Unit 8 Levee							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 25% area)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	0.00	0.00	0.00	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	0.00	0.00	0.00	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	0.00	0.00	0.00	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	0.00	0.00	0.00	0.00	0.00	0.00
	Concrete Lined Ditch - Replacement - Total of 0 feet - 60 year life cycle (PV = \$000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Concrete Lined Ditch - Annual O&M - Total of 0 feet - 1 year life cycle (PV = \$000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 20% area) - 1 year life cycle (PV = \$200.00/ac)	0.00	0.00	0.00	0.00	0.00	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	0.00	0.00	0.00	0.00	0.00	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5375 - Lateral No. 22 (Setback Levee Concrete Canal) - 29,950.0 feet - Approx 27.5 acres - Approx 40.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 25% area)	\$859.45	\$0.00	\$0.00	\$0.00	\$859.45	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	275.02	0.00	0.00	0.00	275.02	0.00

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	687.56	0.00	0.00	0.00	687.56	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	343.78	0.00	0.00	0.00	343.78	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	687.56	0.00	0.00	0.00	687.56	0.00
	Concrete Lined Ditch - Replacement - Total of 29,950 feet - 80 year life cycle (PV = \$7,487,500.00) (assume 50% from other funding sources)	22,850.42	0.00	0.00	0.00	22,850.42	0.00
	Concrete Lined Ditch - Annual O&M - Total of 29950 feet - 1 year life cycle (PV = \$2,995.00)	2,995.00	0.00	0.00	0.00	2,995.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 20% area) - 1 year life cycle (PV = \$200.00/ac)	1,100.09	0.00	0.00	0.00	1,100.09	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	550.05	0.00	0.00	0.00	550.05	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5400 - Lateral No. 23 (PS 2 Concrete Canal) - 4,200.0 feet - Approx 3.9 acres - Approx 40.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$150.00/ac) (Assume 25% area)	\$144.63	\$0.00	\$0.00	\$0.00	\$144.63	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	38.57	0.00	0.00	0.00	38.57	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	96.42	0.00	0.00	0.00	96.42	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	48.21	0.00	0.00	0.00	48.21	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	96.42	0.00	0.00	0.00	96.42	0.00
	Concrete Lined Ditch - Replacement - Total of 4,200 feet - 80 year life cycle (PV = \$1,050,000.00) (assume 50% from other funding sources)	3,204.40	0.00	0.00	0.00	3,204.40	0.00
	Concrete Lined Ditch - Annual O&M - Total of 4200 feet - 1 year life cycle (PV = \$420.00)	420.00	0.00	0.00	0.00	420.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 20% area) - 1 year life cycle (PV = \$200.00/ac)	154.27	0.00	0.00	0.00	154.27	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$40.00/ac) (Assume 25% area)	38.57	0.00	0.00	0.00	38.57	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5425 - Plumas Lake Canal - 11,950.0 feet - Approx 16.5 acres - Approx 60.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$1,028.75	\$0.00	\$0.00	\$0.00	\$1,028.75	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	164.60	0.00	0.00	0.00	164.60	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	411.50	0.00	0.00	0.00	411.50	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	205.75	0.00	0.00	0.00	205.75	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	411.50	0.00	0.00	0.00	411.50	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 40% area) - 1 year life cycle (PV = \$200.00/ac)	1,316.80	0.00	0.00	0.00	1,316.80	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	329.20	0.00	0.00	0.00	329.20	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5450 - Bingham Canal - 9,800.0 feet - Approx 13.5 acres - Approx 60.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$843.66	\$0.00	\$0.00	\$0.00	\$843.66	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	134.99	0.00	0.00	0.00	134.99	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	337.47	0.00	0.00	0.00	337.47	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	168.73	0.00	0.00	0.00	168.73	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	337.47	0.00	0.00	0.00	337.47	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 40% area) - 1 year life cycle (PV = \$200.00/ac)	1,079.89	0.00	0.00	0.00	1,079.89	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	269.97	0.00	0.00	0.00	269.97	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5475 - PS 2 Outfall Canal - 7,040.0 feet - Approx 16.2 acres - Approx 100.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$1,010.10	\$0.00	\$0.00	\$0.00	\$1,010.10	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	161.62	0.00	0.00	0.00	161.62	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	404.04	0.00	0.00	0.00	404.04	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	202.02	0.00	0.00	0.00	202.02	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	404.04	0.00	0.00	0.00	404.04	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 40% area) - 1 year life cycle (PV = \$200.00/ac)	1,292.93	0.00	0.00	0.00	1,292.93	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	323.23	0.00	0.00	0.00	323.23	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5500 - PS 3 Outfall Canal - 2,980.0 feet - Approx 6.8 acres - Approx 100.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 50% area)	\$427.57	\$0.00	\$0.00	\$0.00	\$427.57	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	68.41	0.00	0.00	0.00	68.41	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	171.03	0.00	0.00	0.00	171.03	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	85.51	0.00	0.00	0.00	85.51	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	171.03	0.00	0.00	0.00	171.03	0.00

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 40% area) - 1 year life cycle (PV = \$200.00/ac)	547.29	0.00	0.00	0.00	547.29	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	136.82	0.00	0.00	0.00	136.82	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5525 - PS 6 Outfall Canal - 360.0 feet - Approx 0.8 acres - Approx 100.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 25% area)	\$51.65	\$0.00	\$0.00	\$0.00	\$51.65	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	8.26	0.00	0.00	0.00	8.26	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	20.66	0.00	0.00	0.00	20.66	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	10.33	0.00	0.00	0.00	10.33	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	20.66	0.00	0.00	0.00	20.66	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 40% area) - 1 year life cycle (PV = \$200.00/ac)	66.12	0.00	0.00	0.00	66.12	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	16.53	0.00	0.00	0.00	16.53	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5550 - Goldfield Waterside Drainage Ditch (Goldfield Levee) - 12,500.0 feet - Approx 17.2 acres - Approx 60.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 25% area)	\$538.05	\$0.00	\$538.05	\$0.00	\$0.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	172.18	0.00	172.18	0.00	0.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	430.44	0.00	430.44	0.00	0.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	215.22	0.00	215.22	0.00	0.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	430.44	0.00	430.44	0.00	0.00	0.00
	Concrete Lined Ditch - Replacement - Total of 12,500 feet - 80 year life cycle (PV = \$3,125,000.00) (assume 50% from other funding sources)	9,536.90	0.00	9,536.90	0.00	0.00	0.00
	Concrete Lined Ditch - Annual O&M - Total of 12,500 feet - 1 year life cycle (PV = \$1,250.00)	1,250.00	0.00	1,250.00	0.00	0.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 20% area) - 1 year life cycle (PV = \$200.00/ac)	688.71	0.00	688.71	0.00	0.00	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 25% area)	344.35	0.00	344.35	0.00	0.00	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 5575 - Mall Ditch - 1,640.0 feet - Approx 1.1 acres - Approx 30.0 feet wide - OMRR&R							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$150.00/ac) (Assume 25% area)	\$42.36	\$0.00	\$0.00	\$0.00	\$42.36	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 50% area)	11.29	0.00	0.00	0.00	11.29	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	28.24	0.00	0.00	0.00	28.24	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 50% area)	14.12	0.00	0.00	0.00	14.12	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 50% area)	28.24	0.00	0.00	0.00	28.24	0.00
	Concrete Lined Ditch - Replacement - Total of 1,640 feet - 80 year life cycle (PV = \$410,000.00) (assume 50% from other funding sources)	1,251.24	0.00	0.00	0.00	1,251.24	0.00
	Concrete Lined Ditch - Annual O&M - Total of 1640 feet - 1 year life cycle (PV = \$164.00)	164.00	0.00	0.00	0.00	164.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent (Assume 20% area) - 1 year life cycle (PV = \$200.00/ac)	56.47	0.00	0.00	0.00	56.47	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$40.00/ac) (Assume 25% area)	11.29	0.00	0.00	0.00	11.29	0.00
	Aggregate Base Course Replacement - 0' x 12' - 10 year life cycle (PV = \$0.00)	0.00	0.00	0.00	0.00	0.00	0.00
Series 6000 - Island Road Detention Pond - 7.5 Acres - Approx. 4,350.0 foot perimeter - OMRR&R (Constructed 1989) - ? Acre Service Area							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 60% area)	\$561.00	\$0.00	\$0.00	\$0.00	\$561.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 60% area)	89.76	0.00	0.00	0.00	89.76	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	224.40	0.00	0.00	0.00	224.40	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 60% area)	112.20	0.00	0.00	0.00	112.20	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	224.40	0.00	0.00	0.00	224.40	0.00
	Chemical - Herbicide, Sterilant, and Preemergent - 1 year life cycle (PV = \$200.00/ac) (Assume 30% area)	448.80	0.00	0.00	0.00	448.80	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 20% area)	119.68	0.00	0.00	0.00	119.68	0.00
	Aggregate Base Course Replacement - 2,175' x 12' - 20 year life cycle (PV = \$22,837.50) (Assume 50% of perimeter)	973.12	0.00	0.00	0.00	973.12	0.00
	Access Control Rack Replacement - 30 year life cycle (PV = \$8,500.00)	221.25	0.00	0.00	0.00	221.25	0.00
	Inlet Structure Replacement - 60 year life cycle (PV = \$25,000.00)	247.07	0.00	0.00	0.00	247.07	0.00
Series 6025 - North Wheeler Detention Pond - 19.4 Acres - Approx. 6,500.0 foot perimeter - OMRR&R (Constructed 2017) - ? Acre Service Area							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 60% area)	\$1,452.00	\$0.00	\$0.00	\$0.00	\$1,452.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 60% area)	232.32	0.00	0.00	0.00	232.32	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	580.80	0.00	0.00	0.00	580.80	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 60% area)	290.40	0.00	0.00	0.00	290.40	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	580.80	0.00	0.00	0.00	580.80	0.00
	Chemical - Herbicide, Sterilant, and Preemergent - 1 year life cycle (PV = \$200.00/ac) (Assume 30% area)	1,161.60	0.00	0.00	0.00	1,161.60	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 20% area)	309.76	0.00	0.00	0.00	309.76	0.00

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
	Aggregate Base Course Replacement - 6,500' x 12' - 20 year life cycle (PV = \$68,250.00)	2,908.17	0.00	0.00	0.00	2,908.17	0.00
	Access Control Rack Replacement - 30 year life cycle (PV = \$8,500.00)	221.25	0.00	0.00	0.00	221.25	0.00
	Inlet Structure Replacement - 60 year life cycle (PV = \$25,000.00)	247.07	0.00	0.00	0.00	247.07	0.00
Series 6050 - South Wheeler Detention Pond - 10.7 Acres - Approx. 2,685.0 foot perimeter - OMRR&R (Constructed 2005) - ? Acre Service Area							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 60% area)	\$805.50	\$0.00	\$0.00	\$0.00	\$805.50	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 60% area)	128.88	0.00	0.00	0.00	128.88	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	322.20	0.00	0.00	0.00	322.20	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 60% area)	161.10	0.00	0.00	0.00	161.10	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	322.20	0.00	0.00	0.00	322.20	0.00
	Chemical - Herbicide, Sterilant, and Preemergent - 1 year life cycle (PV = \$200.00/ac) (Assume 30% area)	644.40	0.00	0.00	0.00	644.40	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 20% area)	171.84	0.00	0.00	0.00	171.84	0.00
	Aggregate Base Course Replacement - 2,685' x 12' - 20 year life cycle (PV = \$28,192.50)	1,201.30	0.00	0.00	0.00	1,201.30	0.00
	Access Control Rack Replacement - 30 year life cycle (PV = \$8,500.00)	221.25	0.00	0.00	0.00	221.25	0.00
	Inlet Structure Replacement - 60 year life cycle (PV = \$25,000.00)	247.07	0.00	0.00	0.00	247.07	0.00
Series 6075 - North Ella Regional Detention Pond - 42.4 Acres - Approx. 6,500.0 foot perimeter - OMRR&R (Constructed 2004) - ? Acre Service Area							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 60% area)	\$3,183.00	\$0.00	\$0.00	\$0.00	\$3,183.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 60% area)	509.28	0.00	0.00	0.00	509.28	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	1,273.20	0.00	0.00	0.00	1,273.20	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 60% area)	636.60	0.00	0.00	0.00	636.60	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	1,273.20	0.00	0.00	0.00	1,273.20	0.00
	Chemical - Herbicide, Sterilant, and Preemergent - 1 year life cycle (PV = \$200.00/ac) (Assume 30% area)	2,546.40	0.00	0.00	0.00	2,546.40	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 20% area)	679.04	0.00	0.00	0.00	679.04	0.00
	Aggregate Base Course Replacement - 6,500' x 12' - 20 year life cycle (PV = \$68,250.00)	2,908.17	0.00	0.00	0.00	2,908.17	0.00
	Access Control Rack Replacement - 30 year life cycle (PV = \$8,500.00)	221.25	0.00	0.00	0.00	221.25	0.00
	Inlet Structure Replacement - 60 year life cycle (PV = \$35,000.00)	345.90	0.00	0.00	0.00	345.90	0.00
Series 6100 - South Ella Regional Detention Pond - 21.9 Acres - Approx. 3,800.0 foot perimeter - OMRR&R (Constructed 2013) - ? Acre Service Area							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 60% area)	\$1,640.25	\$0.00	\$0.00	\$0.00	\$1,640.25	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 60% area)	262.44	0.00	0.00	0.00	262.44	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	656.10	0.00	0.00	0.00	656.10	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 60% area)	328.05	0.00	0.00	0.00	328.05	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	656.10	0.00	0.00	0.00	656.10	0.00
	Chemical - Herbicide, Sterilant, and Preemergent - 1 year life cycle (PV = \$200.00/ac) (Assume 30% area)	1,312.20	0.00	0.00	0.00	1,312.20	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 20% area)	349.92	0.00	0.00	0.00	349.92	0.00
	Aggregate Base Course Replacement - 3,800' x 12' - 20 year life cycle (PV = \$39,900.00)	1,700.16	0.00	0.00	0.00	1,700.16	0.00
	Trash Rack Replacement - 30 year life cycle (PV = \$8,500.00)	221.25	0.00	0.00	0.00	221.25	0.00
	Outlet Structure Replacement - 60 year life cycle (PV = \$35,000.00)	345.90	0.00	0.00	0.00	345.90	0.00
Series 6125 - North Unit 8 Detention Pond - 15.9 Acres - Approx. 4,985.0 foot perimeter - OMRR&R (Constructed 2013) - ? Acre Service Area							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 60% area)	\$1,194.00	\$0.00	\$0.00	\$0.00	\$1,194.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 60% area)	191.04	0.00	0.00	0.00	191.04	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	477.60	0.00	0.00	0.00	477.60	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 60% area)	238.80	0.00	0.00	0.00	238.80	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	477.60	0.00	0.00	0.00	477.60	0.00
	Chemical - Herbicide, Sterilant, and Preemergent - 1 year life cycle (PV = \$200.00/ac) (Assume 30% area)	955.20	0.00	0.00	0.00	955.20	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 20% area)	254.72	0.00	0.00	0.00	254.72	0.00
	Aggregate Base Course Replacement - 4,985' x 12' - 20 year life cycle (PV = \$52,342.50)	2,230.35	0.00	0.00	0.00	2,230.35	0.00
	Access Control Rack Replacement - 30 year life cycle (PV = \$40,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Inlet Structure Replacement - 60 year life cycle (PV = \$45,000.00)	444.72	0.00	0.00	0.00	444.72	0.00
Series 6150 - South Unit 8 Detention Pond - 37.9 Acres - Approx. 5,720.0 foot perimeter - OMRR&R (Constructed ?) - ? Acre Service Area							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 60% area)	\$2,845.50	\$0.00	\$0.00	\$0.00	\$2,845.50	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 60% area)	455.28	0.00	0.00	0.00	455.28	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	1,138.20	0.00	0.00	0.00	1,138.20	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 60% area)	569.10	0.00	0.00	0.00	569.10	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	1,138.20	0.00	0.00	0.00	1,138.20	0.00
	Chemical - Herbicide, Sterilant, and Preemergent - 1 year life cycle (PV = \$200.00/ac) (Assume 30% area)	2,276.40	0.00	0.00	0.00	2,276.40	0.00

2019 - 2020 DETAILED BUDGET - ROUTINE OMRRR - REDUCED LIFE CYCLE AND GRANTS ASSUMED

Item No.	Description of Item	Total 2019/20 Assessment	Existing Levee OMRR&R	RD 784 Goldfield Levee	RD 784 Horseshoe Levee Area	RD 784 Drainage Funds	South Olivehurst Pump Station
Reclamation District No. 784 of Yuba County - Operation and Maintenance Budget							
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 20% area)	607.04	0.00	0.00	0.00	607.04	0.00
	Aggregate Base Course Replacement - 5,720' x 12' - 20 year life cycle (PV = \$60,060.00)	2,559.19	0.00	0.00	0.00	2,559.19	0.00
	Access Control Rack Replacement - 30 year life cycle (PV = \$40,000.00)	0.00	0.00	0.00	0.00	0.00	0.00
	Inlet Structure Replacement - 60 year life cycle (PV = \$45,000.00)	444.72	0.00	0.00	0.00	444.72	0.00
Series 6175 - River Oaks Detention Pond - 9.0 Acres - Approx. 3,260.0 foot perimeter - OMRR&R (Constructed ?) - ? Acre Service Area							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 60% area)	\$675.00	\$0.00	\$0.00	\$0.00	\$675.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 60% area)	108.00	0.00	0.00	0.00	108.00	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	270.00	0.00	0.00	0.00	270.00	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 60% area)	135.00	0.00	0.00	0.00	135.00	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	270.00	0.00	0.00	0.00	270.00	0.00
	Chemical - Herbicide, Sterilant, and Preemergent - 1 year life cycle (PV = \$200.00/ac) (Assume 30% area)	540.00	0.00	0.00	0.00	540.00	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 20% area)	144.00	0.00	0.00	0.00	144.00	0.00
	Aggregate Base Course Replacement - 1,630' x 12' - 20 year life cycle (PV = \$17,115.00)	729.28	0.00	0.00	0.00	729.28	0.00
	Trash Rack Replacement - 30 year life cycle (PV = \$8,500.00)	442.51	0.00	0.00	0.00	442.51	0.00
	Outlet Structure Replacement - 60 year life cycle (PV = \$35,000.00)	691.79	0.00	0.00	0.00	691.79	0.00
Series 6200 - Linear Detention Pond No. 16 - 65.8 Acres - Approx. 22,650.0 foot perimeter - OMRR&R (Constructed ?) - ? Acre Service Area							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 60% area)	\$4,932.00	\$0.00	\$0.00	\$0.00	\$4,932.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 60% area)	789.12	0.00	0.00	0.00	789.12	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	1,972.80	0.00	0.00	0.00	1,972.80	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 60% area)	986.40	0.00	0.00	0.00	986.40	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	1,972.80	0.00	0.00	0.00	1,972.80	0.00
	Chemical - Herbicide, Sterilant, and Preemergent - 1 year life cycle (PV = \$200.00/ac) (Assume 30% area)	3,945.60	0.00	0.00	0.00	3,945.60	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 20% area)	1,052.16	0.00	0.00	0.00	1,052.16	0.00
	Aggregate Base Course Replacement - 11,325' x 12' - 20 year life cycle (PV = \$118,912.50)	5,066.94	0.00	0.00	0.00	5,066.94	0.00
	Trash Rack Replacement - 30 year life cycle (PV = \$9,500.00)	247.28	0.00	0.00	0.00	247.28	0.00
	Outlet Structure Replacement - 60 year life cycle (PV = \$45,000.00)	444.72	0.00	0.00	0.00	444.72	0.00
Series 6225 - Linear Detention Pond No. 18 - 4.7 Acres - Approx. 4,420.0 foot perimeter - OMRR&R (Constructed ?) - ? Acre Service Area							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 60% area)	\$350.25	\$0.00	\$0.00	\$0.00	\$350.25	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 60% area)	56.04	0.00	0.00	0.00	56.04	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	140.10	0.00	0.00	0.00	140.10	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 60% area)	70.05	0.00	0.00	0.00	70.05	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	140.10	0.00	0.00	0.00	140.10	0.00
	Chemical - Herbicide, Sterilant, and Preemergent - 1 year life cycle (PV = \$200.00/ac) (Assume 30% area)	280.20	0.00	0.00	0.00	280.20	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 20% area)	74.72	0.00	0.00	0.00	74.72	0.00
	Aggregate Base Course Replacement - 2,210' x 12' - 20 year life cycle (PV = \$23,205.00)	988.78	0.00	0.00	0.00	988.78	0.00
	Trash Rack Replacement - 30 year life cycle (PV = \$8,500.00)	221.25	0.00	0.00	0.00	221.25	0.00
	Outlet Structure Replacement - 60 year life cycle (PV = \$45,000.00)	444.72	0.00	0.00	0.00	444.72	0.00
Series 6250 - Linear Detention Pond No. 20 - 30.9 Acres - Approx. 15,950.0 foot perimeter - OMRR&R (Constructed ?) - ? Acre Service Area							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 60% area)	\$2,316.00	\$0.00	\$0.00	\$0.00	\$2,316.00	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 60% area)	370.56	0.00	0.00	0.00	370.56	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	926.40	0.00	0.00	0.00	926.40	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 60% area)	463.20	0.00	0.00	0.00	463.20	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	926.40	0.00	0.00	0.00	926.40	0.00
	Chemical - Herbicide, Sterilant, and Preemergent - 1 year life cycle (PV = \$200.00/ac) (Assume 30% area)	1,852.80	0.00	0.00	0.00	1,852.80	0.00
	Rodent, Beaver, and Squirrel Control - 1 year life cycle (PV = \$80.00/ac) (Assume 20% area)	494.08	0.00	0.00	0.00	494.08	0.00
	Aggregate Base Course Replacement - 7,975' x 12' - 20 year life cycle (PV = \$83,737.50)	3,568.11	0.00	0.00	0.00	3,568.11	0.00
	Trash Rack Replacement - 30 year life cycle (PV = \$9,500.00)	247.28	0.00	0.00	0.00	247.28	0.00
	Outlet Structure Replacement - 60 year life cycle (PV = \$35,000.00)	345.90	0.00	0.00	0.00	345.90	0.00
Series 6275 - Mall Detention Pond - 5.2 Acres - Approx. 3,900.0 foot perimeter - OMRR&R (Constructed ?) - ? Acre Service Area							
	Annual Drain Contract Maintenance (i.e. dredging, weedeating, sheep, goats, mowing) - 1 year life cycle (PV = \$125.00/ac) (Assume 60% area)	\$390.75	\$0.00	\$0.00	\$0.00	\$390.75	\$0.00
	Additional Contract Labor - 1 year life cycle (PV = \$20.00/ac) (Assume 60% area)	62.52	0.00	0.00	0.00	62.52	0.00
	Fuel and Oil - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	156.30	0.00	0.00	0.00	156.30	0.00
	Supplies and Materials - 1 year life cycle (PV = \$25.00/ac) (Assume 60% area)	78.15	0.00	0.00	0.00	78.15	0.00
	Equipment Rental - 1 year life cycle (PV = \$50.00/ac) (Assume 60% area)	156.30	0.00	0.00	0.00	156.30	0.00

Appendix B: Proposed RD 784 Assessment Roll

Provided under separate cover.