

**HLCSD Minutes
2020 Board Meeting
January 9, 2020 @ 7:00 P.M.
Ott's House**

- 1) Call to order @ 7:00 p.m., All members and GM present - Paul Cowdery, Fred Ott, Sheryl Baldwin, Craig Dorrough, Bob Dacy and Sandy Guernsey (Please see attached sign in sheet for all attendees)
- 2) Pledge of Allegiance Recited by all
- 3) Reading of minutes Fred motioned the Minutes from 11/14/19 Meeting be approved as submitted. Craig seconded the motion and all members approved.
- 4) Treasurer's report (Please see attached financial report)

HLCSD incurred \$120 invoice for gopher control on the dam. Fred Motioned approval to fund the invoice. Bob seconded the motion and all members approved.

Current balance is \$25,834.87. Fred motioned the report be approved as submitted. Sheryl seconded the motion and all members approved

Our HLCSD website is up and running. We have a grant that Sheryl secured through our CSD affiliation (thank you Sheryl!) You can view the site at <https://holidaylakescsd.specialdistrict.org/> We will need to budget \$300 annually starting in May 2021 when the grant expires.

The CSD website requires a Mission Statement – “The mission of the Holiday lake Community Service District is to provide, maintain and protect our community’s lake, wildlife, dam and walking trails.” Fred motioned the Mission Statement be approved as modified. Sheryl seconded and all members approved.

Fred has offered to review the election procedure filing deadlines in order to update the new website.

- 5) Lake ad-hoc Committed Report **No update for this meeting**
- 6) Dam Inundation Proposal Review - Please see “Old Business, 1) Inundation Map” below
 - a) Review Rules and Regulations

Old Business:

- 1) **Inundation Map:** we have received a number of formal responses to our RFP for an Inundation Map with the optional fees to help us complete the EAP. The total fees ranged from about \$14,000 to \$30,000 we will review these and make a recommendation to go forward with one of the firms.

We received five proposals for the Dam Inundation Map (Please see attached - WRE was late) Domenichelli & Associates Inc., Civil Engineering proposal at \$11,615 was suggested out of the five. After discussions and review of the proposals, Fred

motioned that we enter into a contract with Domenichelli. Sheryl seconded the motion and all members approved.

- 2) **Golf Cart Proposal:** The chair agreed to re-issue the Golf Cart / Bicycle / Motor Boat proposal prepared by Sandy and a number of other residents. That report was emailed with this Agenda on Tuesday January 7th. This agenda Item will continue to be discussed to ensure for several meetings to ensure all options are discussed. A full 20 minutes will be devoted to this topic during the January board meeting.

The timer was indeed set for 20 minutes - Paul read the proposal for golf carts around the lake and one of our neighbor's rebuttal. It was suggested that perhaps HDCP placards on golf carts would be the only acceptable usage eliminating concerns of youth driving and overcrowding on the walking paths. The proposal will be rewritten for golf carts for proposing at the next board meeting. We ran out of time before we discussed Bicycle or Motorboat proposals.

- 3) **Sawmill Creek parcel split:** The property located just south of Holiday Lake owned by Mr. Zweck has a proposed parcel split before the county of El Dorado. The split is a simple split of a single 140-acre parcel into two approximately twenty (20) acre parcels and one with the remaining approximately 100 acres. Following two hearings at the county planning office, with lots of HLCSD representation, this project is on hold.

Brad Pearson reported: This got kicked up to the County Planning Commission and they will decide on the issue. The County's legal counsel attended the last meeting and that was one of our goals The HLCSD thanked Brad his hard work and determination as well as the great letter he drafted and submitted.

New Business:

- 3) **New website for Holiday Lake CSD:** The new website is being created. In order for it to be really considered functional and compliant, we do need to add our mission statement along with our other compliance policies. Loren Albertazzi has agreed to maintain the ongoing changes, which going forward are primarily the Agenda and Agenda packet for each board meeting. **(Please see attachments)**

Important Dates:

March 12, 2020
April 9, 2020

7:00 PM
7:00 PM

CSD Board Meeting - Ott's House
CSD General Meeting - Kobe Sushi

Meeting adjourned at 7:50 p.m.

HLCSD Meeting Sign-in Sheet

Print name please

Date 1/9/20

- 1 Bob Dacy
- 2 MICHELE CONDEKY
- 3 Craig Darrough
- 4 Mike & Spurdy hovel as LOT#5
- 5 Shirley Quensey
- 6 Mike Wilkey
- 7 BILL MCCARTY
- 8 Dale Johnston
- 9 IAN CORDOVA
- 10 MARGEN Samp
- 11 Ximeng Pearson
- 12 Jeff Pease
- 13 Tom Thompson
- 14 Anna Pua
- 15 Marybeth Long
- 16 Susan Oel
- 17 fred Oel
- 18
- 19
- 20



Holiday Lake

Community Service District
P.O. Box 2382
Shingle Springs, CA 95682

Treasurer Report by Sheryl Baldwin 1/9/2020

Task of new WEBSITE has been completed. We have a New website and are compliant 12/31/2019. <https://holidaylakescsd.specialdistrict.org/our-mission>

Sheryl Baldwin applied for a Grant from the California Special Districts Association on 11/15/2019 for \$1,500 to set up and maintain a new Holiday Lake CSD website District Requirement to be set up by January 1, 2020.

On 11/21/2019 I received approved from the scholarship committee based on an agreement from our District that they would cover set up and 18 months of maintenance cost and to agree to post all the compliance requirements and launch the site within the first 3 months and to continue to maintain the website after the 18 month period is over and pay for the cost after that.

12/2/2019 Holiday Lake has a signed agreement with Streamline, A division of Digital Deployment Inc. 2321 P Street, Sacramento, CA 95816
Account Manager, Chris Carrassi chris@getstreamline.com

Future Budget item cost starting May 2021 will be \$300 per year.

Action items to complete some tasks for the website



Mission Statement "The mission of the Holiday Lake Community Services District is to provide, maintain and protect our community's ~~water~~, wildlife, dam and walking trails." *LAKE*

Election Procedures and Filing Deadlines

You are required to post the procedures for holding board elections, including applicable deadlines.

Would you like to post the Regulations?

Do you want to post a write up of the history of the lake or dam?

Would you like to post a photo of the lake?

I will now give the maintenance to Loren Albertazzi who has volunteered to update.

1. Agenda's have to be posted on the website at least 72 hours in advance of a meeting. 24 hours in advance of a special meeting.
2. Maintain and update board member list.
3. Post Controller's report seven months after close of fiscal year ending June 30th.
4. Minutes are not required to be posted.



Holiday Lake

Community Service District
P.O. Box 2382
Shingle Springs, CA 95682

Inundation Mapping Service Proposals to vote on at our meeting 1/9/2020.
All four were emailed to the board and general manager.

1. **Condor Earth \$13,850 plus Contingency \$1,385 = Total \$15,235**
2. **Wood Environmental for \$26,490**
3. **West Consultants Inc. \$23,545.80 plus \$4,770 Optional task Development & Submit EAP = Total \$28,315.80**
4. **Domenichelli & Associates, Inc. Civil Engineering \$11,615**

My recommendations is to contract with **Domenichelli & Associates, Inc. Civil Engineering \$11,615**

5. WRE

Burn Permit must be on hand for any fires at the lake and is attached.

8025000 - 8025000 GENERAL FUNDPrinted 1/6/2020
9:12:40 AM**General Ledger****Summary for the Accounting Period Ended: December 31, 2019**

	Debit	Credit	Balance
80250000 HOLIDAY LAKE			
ASSETS			
100 EQUITY IN POOLED CASH	31,290.60	5,455.73	25,834.87
102 IMPREST (PETTY) CASH	200.00	0.00	200.00
164 EQUIPMENT	2,277.03	0.00	2,277.03
165 ACCUM DEPR: EQUIPMENT	0.00	2,277.00	-2,277.00
ASSETS	33,767.63	7,732.73	26,034.90
LIABILITIES			
201 VOUCHERS PAYABLE	5,126.02	5,126.02	0.00
LIABILITIES	5,126.02	5,126.02	0.00
FUND BALANCE			
313 FND BAL: RSVD IMPREST CASH	0.00	200.00	-200.00
350 FND BAL: UNRSVD UNDESIGNATED	0.00	17,258.66	-17,258.66
395 INVESTMENT FIXED ASSETS	0.00	0.03	-0.03
400 BUDGET CLEARING ACCOUNT	0.00	4.00	-4.00
401 ESTIMATED REVENUE	22,451.00	0.00	22,451.00
411 ACTUAL REVENUES	318.02	12,426.84	-12,108.82
420 ORIGINAL BUDGET (APPROPTNS.)	0.00	22,447.00	-22,447.00
431 EXPENDITURES	3,532.61	0.00	3,532.61
FUND BALANCE	26,301.63	52,336.53	-26,034.90
80250000 HOLIDAY LAKE	65,195.28	65,195.28	0.00

**Revenues and
Expenditures****8025000 CSD: HOLIDAY LAKE CSD**
Summary For the Month ended: December 31, 2019

	Estimated / Budget	Actual Amount	Balance
8025000 CSD: HOLIDAY LAKE CSD			
Revenue			
01 Taxes			
0100 PROP TAX: CURR SECURED	4,887.00	2,579.80	2,307.20
0110 PROP TAX: CURR UNSECURED	0.00	89.04	-89.04
0130 PROP TAX: PRIOR UNSECURED	0.00	2.53	-2.53
0140 PROP TAX: SUPP CURRENT	0.00	42.43	-42.43
0150 PROP TAX: SUPP PRIOR	0.00	3.22	-3.22
0175 TAX: SPECIAL TAX	17,564.00	9,240.21	8,323.79
01 Taxes	22,451.00	11,957.23	10,493.77
03 Fines & Penalites			
0360 PEN & COST DELINQUENT TAXES	0.00	0.62	-0.62
03 Fines & Penalites	0.00	0.62	-0.62
04 Rev Use Money/Prop			
0400 REV: INTEREST	0.00	144.23	-144.23
04 Rev Use Money/Prop	0.00	144.23	-144.23
05 IG Rev - State			
0820 ST: HOMEOWNER PROP TAX RELIEF	0.00	6.74	-6.74
05 IG Rev - State	0.00	6.74	-6.74
Total Revenue	22,451.00	12,108.82	10,342.18
Expense			
40 Services & Supplies			
4100 INSURANCE: PREMIUM	2,200.00	2,235.86	-35.86
4140 MAINT: EQUIPMENT	750.00	0.00	750.00
4180 MAINT: BUILDING & IMPROVEMENTS	0.00	66.94	-66.94
4186 MAINT: LAKE	1,000.00	503.22	496.78
4188 MAINT: DAM	1,500.00	120.00	1,380.00
4220 MEMBERSHIPS	180.00	0.00	180.00
4240 MISC: EXPENSE	100.00	0.00	100.00
4260 OFFICE EXPENSE	105.00	0.00	105.00
4261 POSTAGE	25.00	97.00	-72.00
4300 PROFESSIONAL & SPECIAL SRVS	13,172.00	497.90	12,674.10
4304 AGENCY ADMINISTRATION FEE	100.00	11.69	88.31

Revenues and Expenditures

8025000 CSD: HOLIDAY LAKE CSD
Summary For the Month ended: December 31, 2019

	Estimated / Budget	Actual Amount	Balance
4500 SPECIAL DEPT EXPENSE	265.00	0.00	265.00
4530 WATER TREATMENT CHEMICALS	2,750.00	0.00	2,750.00
4606 FUEL PURCHASES (NO OVERT)	300.00	0.00	300.00
40 Services & Supplies	22,447.00	3,532.61	18,914.39
Total Expense	22,447.00	3,532.61	18,914.39
8025000 CSD: HOLIDAY LAKE CSD	0.00	8,576.21	-8,572.21
Report Total			
Total Revenue	22,451.00	12,108.82	10,342.18
Total Expense	22,447.00	3,532.61	18,914.39
	4.00	8,576.21	-8,572.21



EL DORADO COUNTY AIR QUALITY MANAGEMENT DISTRICT BURN PERMIT APPLICATION

345 Fair Lane, Building T-1, Placerville, CA 95667
Phone: (530) 621-7501, Fax: (530) 295-2774
aqmd@edcgov.us

Burn Permit

Burn Information Lines: West Slope (530) 621-5897 or (866) 621-5897, Lake Tahoe (530) 621-5842 or (888) 332-2876			
Permittee Name HOLIDAY LAKE COMMUNITY SERVICE DISTRICT		Email Address sheryl@ccdeh.com	Phone Number 5303630027
Burn Location Physical Address HOLIDAY LAKE, SHINGLE SPRINGS (HOLIDAY LAKE DR/SCENIC/FOOTHILL DR)		Burn Location City, State and ZIP Code Shingle Springs, CA 95682	
Mailing Address PO BOX 2382, SHINGLE SPRINGS, CA 95682	Mailing City, State and ZIP Code 4590 HOLIDAY LAKE DR, SHINGLE SPRINGS, CA 95682	Permittee Type Resident	
Distance to Nearest Neighbor 100 FT TO 2 ACRES	Type of Material to be Burned WILD VEGETATION MGMT, TRAIL TRIMMINGS	Size of Piles 4X4	Number of Piles 7
Private Party Burn Project Type			
Agricultural Burning* No	Forestry Management Burning No	Land Development No	Residential Burning Yes
Public Agency Burn Project Type			
Ditch And Road Maintenance No	Fire Suppression Training No	Range Improvement Burning* No	Wildland Vegetation Management Yes

- This permit is valid only on permissive BURN DAYS. You must call the burn information line for your area (listed above) immediately prior to burning.
- You may burn only vegetation. Do not burn stumps and poison oak. You cannot burn any other material, including trash, construction debris, furniture and tires.
 - Material must be from parcel where burn is taking place. Material cannot be transferred from one parcel to another.
 - Burn piles should be loosely arranged in a teepee shape to minimize smoke produced. Piles must be free of soil and rock. You cannot burn in a burn barrel.
 - The material must be dry. Prior to burning, piles should be covered to protect from rain.
 - The material may only be ignited with an approved ignition device (drip or propane torch) or non glossy paper.
 - You may burn only the amount of material that will be consumed in one day.
 - Smoke from your burn pile(s) must not negatively impact neighboring residents.
 - This permit is valid only for parcel identified above and must be available for inspection at the site.
 - This permit may be revoked or suspended for violation of any permit condition or when necessary for public safety.

The conditions must be read and understood. If not understood, please contact the AQMD for more information. If conditions are not met, a violation will be issued and permit may be revoked.

I HAVE READ, UNDERSTAND AND WILL COMPLY WITH THESE PERMIT CONDITIONS Yes	
Signature* 	Date 12/13/2019

FOR AQMD USE ONLY			
Approval Status Approved	Approval Date 12/13/2019	Expiration Date 06/30/2020	Approval Signature*
Comments CHANGED SIZE OF PILES TO 8'X8' PER APPLICANT'S CONVERSATION WITH R. SERIEH OF AQMD.			

* You consent and agree that you are signing this document electronically. You further agree that your electronic signature is as valid as if you manually signed the document in writing.
12/13/2019 08:45:11, ID: 947, URL: <https://edcgov.us/Government/AirQualityManagement/burnpermit/Pages/Burn-Permit-Application.aspx>

SCAN



DOMENICHELLI AND ASSOCIATES, INC. CIVIL ENGINEERING

December 30, 2019

Holiday Lake Community Services District
Attention: Paul Cowdery
PO BOX 2382
Shingle Springs, CA 95682

RE: Proposal for Holiday Lake Dam Inundation Mapping Services

Dear Mr. Cowdery,

Domenichelli and Associates, Inc. (D&A) is pleased to submit the following proposal to the Holiday Lake Community Services District (District) for completion of inundation mapping services for the Holiday Lake Dam. Our objective with this proposal is to demonstrate to the District that our team has recent and relevant experience with similar projects and that we can provide the necessary deliverables in a timely manner at reasonable costs. The following highlights some of our firm's qualifications and approaches:

Extensive Modeling and Mapping Experience – D&A has provided on-going hydraulic modeling and mapping for multiple agencies and private entities. We have completed public agency inundation mapping and studies for Hinkle Reservoir for San Juan Water District, Paradise Dam and Magalia Dam for Paradise Irrigation District, three reservoirs for Rancho Murieta Community Services District, South Tahoe Public Utility District's Emergency Retention Basin, the City of Folsom's Willow Hill Reservoir, Bass Lake Dam for Rescue Union School District and Lake Angela for Donner Summit Community Services District. All of these maps and studies have been approved by DSOD. Approved, local private dam inundation mapping studies have included Indian Creek Reservoir for Greenstone Homeowners Association, Barnett Dam for Milton Family Trust and Schaffer Dam and Violo Dam in Shingle Springs for private owners. We have recently submitted another inundation study for Northstar CSD and are currently working on four more, including Sly Park Dam for El Dorado Irrigation District.

Recent Experience with new DSOD & OES Regulations – D&A provides the latest in inundation modeling and mapping, along with preparation of Emergency Action Plans (EAPs) that follow the current State regulations. With our recently approved projects, we have created a streamline process for meeting the new regulations and we have a good working relationship with the State agencies. Of the DSOD approved Inundation Studies mentioned above, we are currently completing EAPs for eight of these dams at various levels of completion

Competitive Costs – As a local small business, we can provide high level service at competitive rates. With our understanding of your project, our project experience and working relationships with the State agencies, we will provide cost effective inundation mapping and study report services.

Thank you for the opportunity to provide this proposal for your important projects. If you have any questions or require additional information, please do not hesitate to contact me at (916) 933-1997.

Sincerely,

Joe Domenichelli, President
Domenichelli and Associates, Inc.
joed@daengineering.net



HOLIDAY LAKE COMMUNITY SERVICES DISTRICT
 Inundation Mapping Services for Holiday Lake Dam

Statement of Qualifications

Domenichelli & Associates (D&A) is a local water resources engineering firm serving northern California, particularly the foothill and mountain counties in the areas of water supply, wastewater and drainage infrastructure planning and design. We are a registered small business firm of six registered engineers, four engineers-in-training and additional staff support. Our relatively small firm of skilled technical staff allows us to provide high level engineering services and reasonable rates.

References:

The following are our references for similar project work.

San Juan Water District (SJWD), Hinkle Reservoir	Rob Watson, Engineering Manager (916) 791-6923 Email: rob.watson@sjwd.org
Rescue Union School District, Bass Lake Dam	Phil Jones, Rescue Union School District (530) 672-4300 Email: pjones@my.rescueusd.org
South Tahoe Public Utility District, Emergency Retention Basin	Steve Caswell, P.E., Principal Engineer (530)-543-6202 Email: scaswell@stpubd.dst.ca.us
Rancho Murieta GSD, Calero, Chesbro, Clementia & Michigan Bar Dams	Paul Siebensohn, Operations Director (916) 354-3700 Email: psiebensohn@ranchomurietaesd.com
Paradise Irrigation District, Paradise & Magalia Dams	Neil Essila, Project Manager (530) 8771-4971 ext. 2037 Email: nessila@paradiseirrigation.com
City of Folsom, Willow Hill Reservoir	Marcus Yasutake, Water Resources Director (916) 461-6161 Email: myasutake@folsom.ca.us

Responsible Project Manager and Project Team

Domenichelli & Associates (D&A) understands the level of staff required to perform this type of work and has the staff available to commit to the work effort. **Joe Domenichelli** will bring to the project over 35-years of experience in water resources modeling and design and will be the **project leader** providing QA/QC and overall project management for the project.

Brian Hammer will be the **lead Project Engineer** responsible for oversight of the modeling efforts and providing assistance with preparation of the EAP (if requested). Brian has over 11 years of experience with an emphasis on computer modeling. He has been involved on all of the recent Inundation Studies and EAPs prepared by D&A and has been our expert in the preparation of flood studies on a continuous basis over the past 11 years.

David Cooper with 7 years of experience, will lead the modeling and mapping effort. David will work under Joe and Brian to provide accurate modeling which meets the latest Division of Safety of Dams (DSOD) requirements. David recently completed inundation modeling and mapping for an "extreme" hazard dam for San Juan Water District and ten (10) "high" hazard dams throughout the state.

Key Personnel Profiles (focused resumes)

The following highlights the qualifications of each of our main team members.



Project Role

- ✓ Project Management
- ✓ QA/QC

Project Role	Project Manager/QC
Years of Experience	35 total
Registration	Professional Engineer CA and NV
Education	B.S. Civil Engineering, CSU Chico

As project leader for the Agency Project, Mr. Domenichelli's responsibilities will include overall QA/QC and team management as well as model review. Mr. Domenichelli has more than 35 years of engineering experience primarily in the area of water resources engineering. He has provided a variety of services from master planning for entire communities to the design and construction management of municipal improvements such as water pipelines, pump stations and storage tanks. His understanding of the State regulatory process through similar work will allow him to provide management necessary to complete the tasks efficiently. He has completed inundation studies for 12 dams, with Emergency Action Plans for 4 and currently preparing 3 more EAPs with related mapping. Mr. Domenichelli will be responsible for reviewing, stamping all of the submitted documents.



Project Role

- ✓ Hydraulic Modeling

Project Role	Project Engineer/Technical Oversight
Years of Experience	11 total
Registration	Professional Engineer CA
Education	B.S. Civil Engineering, California Polytechnic State University, San Luis Obispo

Brian Hammer is a registered engineer with 11 years of experience. Mr. Hammer has worked with Domenichelli & Associates for more than 10 years gaining experience in water systems design, hydraulics and hydrology, and water resources engineering. He has experience with Land Development Desktop (LDD), AutoCAD Civil 3D, InfoWater, H2ONet, XPSWMM, HEC-RAS, HEC-1, and HEC-HMS modeling applications. Mr. Hammer has provided hydraulic analysis for communities throughout Sacramento County, El Dorado County, San Joaquin County, Placer County, Stanislaus County, and Guam. Mr. Hammer's experience in hydraulic analysis, and hydraulic design has enabled him to provide analysis that is both technically sound and realistic to field conditions. He has completed inundation modeling and maps for 6 dams and has assisted in the preparation of EAPs for 4 recent dams.



Project Role	Lead Hydraulic Modeling
Years of Experience	7 total
Registration	Engineer-In-Training
Education	B.S. Civil Engineering, CSU Sacramento

David Cooper is an EIT who has been with D&A since 2013 supporting D&A's engineers in a multitude of water infrastructure and hydraulic modeling projects. Mr. Cooper recently provided inundation modeling, mapping and report preparation for San Juan Water District, Rancho Murieta CSD, the City of Folsom, Rescue School District, Donner Summit, South Tahoe PUD and a private community HOA. He is currently completing inundation modeling, maps and EAPs for 3 additional dams. He has extensive experience with the 2D versions of HEC-RAS and is current on all of the latest DSOD and OES regulations.



HOLIDAY LAKE COMMUNITY SERVICES DISTRICT Inundation Mapping Services for Holiday Lake Dam

Firm Technology

While not required, a 2D model is the preferred method of mapping the dam failure scenario. D&A uses the current versions of both Civil3D (AutoCAD based mapping software) and HEC-RAS (hydraulic modeling software) to map and model floodplains. HEC-RAS 5.0.7 has the ability to provide 2D analysis which D&A has used on prior inundation studies. We also use programs to assist in delivery of the mapping such as ArcMap for Geographic Information System (GIS) modification.

Subcontracting

D&A will provide all services “in-house”, therefore there will be no subcontractors for this project.

Project Team Experience

D&A has significant and recent experience performing dam inundation studies and in the preparation of Inundation Maps and Emergency Action Plans (EAPs). We are currently listed by DSOD as a qualified consulting firm for completing the inundation studies. The following information demonstrates our team’s qualifications to perform this work.

Project	Project Description	Map
<p>San Juan Water District (SJWD), Hinkle Reservoir Inundation Study and Map, Approved by DSOD July 2018</p> <p>Team Members: Joe Domenichelli, Brian Hammer, David Cooper</p>	<p>Assisted SJWD in the preparation of an updated EAP primarily through providing dam failure and inundation modeling analysis and mapping from the water treatment plant reservoir downstream to the American River. After receiving the notice to proceed in early December 2017, the project was completed per the new 2017 DWR regulations in 4 weeks. A report was provided for inclusion into the EAP.</p>	
<p>Rescue Union School District, Bass Lake Dam Inundation Study and EAP. Study and Map submitted to DSOD in April 2018. Approved early 2019.</p> <p>Team Members: Joe Domenichelli, Brian Hammer, David Cooper</p>	<p>Provided dam failure and inundation modeling analysis and mapping downstream of the reservoir through the Serrano development, including the site of a proposed school. The inundation mapping terminates after crossing Highway 50 at a confluence of another large stream channel.</p>	

Project	Project Description	Map
<p>Milton Properties (Barnett) Dam, Inundation Study and EAP. Study and Map approved by DSOD November 2018. EAP in final stage of approval.</p> <p>Team Members: Joe Domenichelli, Brian Hammer</p>	<p>Completed the Inundation map and study for this private dam that included 2 miles of LiDAR drone (UAV) and 3 miles of digital Quad base mapping. The detailed mapping showed that no habitable structures were inundated in a reach which was targeted by the DSOD. This dam rating was reduced from "high hazard" to "significant", due to the detailed mapping results. The EAP has completed all levels of review and should have final approval by OES before the end of the year.</p>	
<p>Rancho Murieta CSD, Calero, Chesbro, Clementia & Michigan Bar Reservoirs Inundation Studies. Maps approved by DSOD in early summer 2019.</p> <p>Team Members: Joe Domenichelli, Brian Hammer, David Cooper</p>	<p>D&A has completed dam failure inundation studies for four reservoirs for submittal to the State DSOD. A sequential dam failure analysis was necessary for two of the reservoirs that are interconnected before entering the Cosumnes River. The maps and inundation studies have been approved and the EAPs are underway.</p>	
<p>El Dorado Irrigation District, Sly Park Dam Inundation Study and Map Update. Submittal to DSOD December 2019</p> <p>Team Members: Joe Domenichelli, Brian Hammer, David Cooper</p>	<p>D&A is currently modeling the dam failure using the new DSOD criteria and completing the Inundation Study for this project. This is a large effort spanning more than 75 miles of channel reach from the Sierra foothills to Interstate 5 in the Central Valley.</p>	

Project	Project Description	Map
<p>Paradise Irrigation District Paradise Lake and Magalia Reservoir Inundation Study, Butte County. Submitted to DSOD September & October 2018. Both approved Spring of 2019.</p> <p>Team Members: Joe Domenichelli, Brian Hammer, David Cooper</p>	<p>D&A prepared dam failure and inundation studies for these two relatively large dams within the Foothills of Butte County. Inundation modeling and mapping began near the Town of Paradise and ended at the Sacramento River just south and west of the Butte County line. Using detailed LiDAR obtained from the State DWR, this extensive model initially took several days to run. D&A was able to modify the level of detail of the base mapping data to reduce the runs to less than one day.</p>	
<p>City of Folsom Willow Hill Inundation Study Map Approved January 2019</p> <p>Team Members: Joe Domenichelli, Brian Hammer, David Cooper</p>	<p>Provided dam failure and inundation modeling analysis and mapping downstream of the reservoir through portions of Folsom, including the high school and Intel campuses. The map has been included in the Willow Hill EAP since approved by DSOD which is currently in the OES review process.</p>	
<p>Greenstone Country HOA Indian Creek Inundation Study and EAP Study and Map Approved Spring 2019</p> <p>Team Members: Joe Domenichelli, David Cooper</p>	<p>Completed the Inundation map and study for this private dam that included 1 mile of LiDAR drone (UAV) mapping and 4 miles of digital Quad base mapping. The detailed mapping showed several habitable structures inundated just downstream of the dam. The EAP has been drafted by D&A and will be submitted early 2020 to the State OES.</p>	



HOLIDAY LAKE COMMUNITY SERVICES DISTRICT Inundation Mapping Services for Holiday Lake Dam

Work Tasks, Timeline & Costs

Domenichelli and Associates (D&A) has a clear understanding of the scope of work and level of effort required to provide inundation mapping services for Holiday Lake Dam. Our previous modeling and mapping work approved by DSOD and EAP documents approved by OES staff have given D&A the experience to develop deliverables that comply with the regulatory agencies.

Given the fact that we have found available LiDAR and other base mapping data that is acceptable to DSOD for the inundation mapping, no topographic surveying will be necessary. The following outlines our proposed work plan:

Proposed Scope of Services (Work Tasks)

Task 1 – Gather Existing Information and Prepare Base Mapping – This task will build on research we have already completed (relative to base mapping and regulations) and will include gathering dam as-built plans and obtaining LiDAR and other base mapping and splicing the data to create a single digital terrain model for the project. A one-day kickoff meeting and site visit with the District is included in this effort. During the site visit, we will measure bridge crossing dimensions for inclusion into the hydraulic models.

Task 2 – HEC-RAS Dam Failure and Inundation Modeling – D&A will mesh the base mapping from Task 1 with the 2-dimensional dam failure and flood routing model using the HEC-RAS 5.0.7 program. The program will simulate the failure and route flood flows downstream, automatically mapping the limits and providing depths, velocities, arrival times, and durations for downstream locations. We will model the dam-break downstream until the flows stay within the channel banks or are not a threat to existing structures. The total length of inundation modeling will be approximately 5 to 7 miles, depending on the point where damaging flows no longer exist. We anticipate that the termination will be within French Creek.

Task 3 – Inundation Map and Study Preparation & Submittals – From the results of the modeling, a draft inundation map will be prepared for District review, which will include all text and callouts of information required by the State guidelines. The Study Report prepared by D&A will accompany the map sheets and will include a summary of background data, criteria and methodology used and model results per State guidelines outlined in Title 23 CCR, Division 2, Chapter 1, Article 6. A review meeting with District staff is included under this effort to present the documents and answer questions. After review by the District and comments incorporated, we will submit the Study Report and Maps to the State DSOD for review. D&A will be available to answer any questions during the DSOD review. Although we do not anticipate significant comments from the State, we include this effort to respond to comments and submit final stamped and signed documents to satisfy the requirements for the District. Other than attending the review meeting, we do not anticipate any significant time required for District staff to complete the DSOD submittals.

Task 4 – (Optional) Emergency Action Plan Preparation and Submittals – Although not requested by the District, D&A can prepare an Emergency Action Plans (EAP) for the project. Some clients prefer to create and submit their EAPs without assistance from a consultant, as much of the effort is compiling and documenting emergency contact information and protocols. Even if D&A were to prepare the submittals, there would be a significant amount of effort for the District to provide this information.

As mentioned above, D&A has significant recent experience in preparation of EAPs and we know the process required by the State OES. The following is a description of typical service: 1) contact all of the local responders for responsibilities and emergency procedures, 2) obtain and compile District contact information, 3) describe monitoring procedures, and 4) provide descriptions of provisions for access during emergency events as well as termination of the emergency action. We anticipate that the District support will require approximately 30 to 40 hours of staff time for these efforts.



HOLIDAY LAKE COMMUNITY SERVICES DISTRICT

Inundation Mapping Services for Holiday Lake Dam

Based on the OES procedures, there is a minimum of 4 submittals; two by staff, one by the Division Chief and one by and independent panel.

Because we have completed a recent EAP in the Shingle Springs area, we have a good template of what is required for the EAP. This will reduce the effort and costs for the EAP preparation. We can either complete the EAP for the District or provide a generic template with local responder emergency contact information for use by the District to prepare the EAP "in-house".

Project Deliverables

The following is a list of deliverables to the District and to the State:

Inundation Maps and Study Report

District – One full sized hard copy and PDF version of draft and final inundation map and report.

DSOD Review and Approval – PDF versions of draft map and report on a flash drive. One set of final full-sized stamped and signed inundation maps and hard copy report. Also, a PDF version of all final documents on a flash drive.

Optional Emergency Action Plan

District – One hard copy and PDF version of draft and final EAP.

OES Review and Approval – PDF version of draft EAP. One hard copy and PDF version of final stamped and signed EAP. Once approved, digital version of EAP sent to all appropriate plan holders.

Project Timeline

Based on our recent work submitting to the State, we can submit the draft Inundation Map and Report to the District within nine (9) calendar weeks from the notice to proceed. After review by the District, D&A can incorporate comments and submit the final documents to the State DSOD within 10 working days. The optional EAP cannot be submitted to the OES until after DSOD approves the Map and Study Report and will be dependent of DSOD review timing. The following shows anticipated durations and milestones for completing these efforts.

Milestone/sub-task description	Duration
Inundation Map and Studies	
Gather Existing Information and Prepare Base Mapping	1 week
HEC-RAS Dam Failure and Inundation Modeling	4-weeks
Draft Inundation Map and Study Preparation for District Review	4-weeks
State DSOD Draft Submittal	2-weeks
DSOD Review and Approval: (best case timeline)	4 months
(Optional) Emergency Action Plan and Submittal:	
OES Review, Re-submittals and Approval	8 to 12 months

11 weeks



HOLIDAY LAKE COMMUNITY SERVICES DISTRICT
Inundation Mapping Services for Holiday Lake Dam

1. Consultant Fee

Below are D&A fees based on our proposed scope of work and level of effort included in this proposal for the Inundation Mapping Services.

Optional EAP preparation fees could range from approximately \$1,200 to provide a template and some limited support (8 hours) for District use in preparation of the plan by District staff, to approximately \$9,000 for D&A to provide the complete EAP with all associated submittal to OES.

Holiday Lake Inundation Mapping Services		Rates & Hours			Expenses:	Totals
Estimate of fees		Joe D.	Brian H.	David C.		
Task	Billing Rates/hour	\$175	\$145	\$115		
1 Gather Dam Info & Bridge data			2	4	\$ 20	\$ 770
2 HEC-RAS Inundation Modeling		1	4	32		\$ 4,435
3 Inundation Map and Study Preparation & Submittals		2	2	48	\$ 250	\$ 6,410
4 Optional EAP Preparation & Submittals (see range above)						
	Total Fee:	3	8	84	\$ 270	\$ 11,615



HOLIDAY LAKE COMMUNITY SERVICES DISTRICT
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Dear Board Members,

Concerning the proposed to the Lake Rules and Regulations relative to Golf Carts etc:

I recommend that the board renew the discussed proposal by first determining if it would be able to **enforce the proposal**. This determination should be based on several factors, including; time available, delegation of duties, and resources available. Currently the proposal requires the board ensure the following:

- G • keep updated records of cart insurance (something CA DMV does through direct computer links with insurance companies),
- Boat G • ensure all boat operators hold a California Boaters Card,
- G • be able to determine vehicle speeds,
- B • be able to determine motorboat speeds,
- G • respond to reports of violations in a timely manner (the proposal appears to limit response time to after the next board meeting),
- G • ensure operators of carts are 16 years of age (currently some lake residents are allowing grade school age children to operate golf carts, without an adult present, on the county roads in our neighborhood),
 - be able to identify all boat, cart, and bike operators for reporting purposes,
- G • investigate reports of rule violations,
- enforce penalties (for example; Who is going to ensure that no one from a "banned household" doesn't operate a boat on the lake? It seems that this is one penalty would be unenforceable).

I would also like to state that I am in 100% agreement with all the points that Brad Pearson has made in his previously submitted letter. Some issues that his letter doesn't mention are;

- cart path erosion concerns,
- parking carts off the path,
- water quality related to path erosion,
- requisite path maintenance and modification for erosion control,
- and the potential for stressful relations between neighbors in our community.

I see neighborhood relationships as the biggest concern from implementing this proposal. Neighbors reporting Lake Rule violations (yes, everyone thinks they can accurately determine speeds) creates a huge potential for pitting us community neighbors against each other and creating harsh feelings. I am not looking forward to that.

To demonstrate my point:

This is a **Formal Report of Lake Rule Violations** that I would like the board to respond to:

Sandy Guernsey currently has a pontoon boat on the lake. The following rule violations are what I have observed over the last year.

1. Launching the boat. This violates the following Lake Rule: **No motor vehicles of any kind are allowed except for maintenance or emergency vehicles.** I am assuming that she violated the Lake Rules by driving her vehicle and trailer onto lake property (I did not see in the board meeting notes that it issued a special use permit for this).
2. The boat has been kept on the water. This violates the following Lake Rule: **Homeowner's boats may be moored at the water's edge above high water mark.**
3. The boat is not marked with the lot number. This violates the following Lake Rule: **All boats must be identified with the owner's address or lot number** and be padlocked in some fashion. Boats are the sole responsibility of the owner.

I'd like to point out that none of the proposed lake rule changes would change these violations.

Best Wishes,

Dan Cordova