

A G E N D A
BIG BEAR MUNICIPAL WATER DISTRICT

BOARD OF DIRECTORS
Regular Meeting
March 6, 2014

PLACE: Big Bear Municipal Water District
40524 Lakeview Drive, Big Bear Lake, CA 92315

Next Resolution Number: 2014-03

OPEN SESSION: 1:00 P.M.

- 1. CALL TO ORDER**
- 2. PLEDGE OF ALLEGIANCE**
- 3. DISCUSSION AND ACTION ON CLOSED SESSION ITEMS**
- 4. REPORTS**
 - A. General Manager
 - B. Lake Manager
 - C. Legal
 - D. Committee
 - E. Other
- 5. CONSENT CALENDAR**
 - A. Minutes of a Special Meeting of February 19, 2014
 - B. Minutes of a Regular Meeting of February 20, 2014
 - C. Warrant List dated February 27, 2014 for \$28,930.06
 - D. Consider approval of a special event permit for the Jim Hall Memorial May Trout Classic to be held May 17th & 18th
 - E. Consider approval of a special event permit for the 2014 Big Bear Lake Troutfest to be held on October 4th and 5th
- 6. BUSINESS**
 - A. Consider approval of an expenditure of \$149,980.00 for the purchase of an Aquamarine Aquatic Plant Harvester
- 7. PUBLIC FORUM**

(The Board will receive comments from the public on items not on the agenda; no action is permitted on these items. Time set aside not to exceed 30 minutes total by all participants)
- 8. ANNOUNCEMENTS**

9. DIRECTOR COMMENTS

10. ADJOURNMENT TO CLOSED SESSION

11. CLOSED SESSION

Adjourn to closed session under Government Code Section 54956.8 Conference with Real Property Negotiator, Scott Heule General Manager, concerning 440 Catalina, Big Bear Lake, California, APN #2328-202-15, #2328-202-08, #2328-291-27

NEXT MEETING: Open Session at 1:00 P.M.
Thursday, March 20, 2014
Big Bear Municipal Water District
40524 Lakeview Drive, Big Bear Lake, CA

PLEASE NOTE:

If you wish to address the MWD Board of Directors during discussion of an agenda item, or during the PUBLIC FORUM, please complete a Speaker Request card (blue in color) and give it to the Board Secretary. Unless a detailed presentation of an agenda item is required by the Board of Directors, it is requested that each speaker limit comments to FIVE MINUTES. All testimony given before the Board of Directors is tape recorded.

Agenda related writings or documents provided to the Board of Directors are available for public inspection at www.bbmwd.org or in the District office during business hours, 8:00 am – 4:30 pm Monday – Friday.

Big Bear Municipal Water District wishes to make all of its public meetings accessible to the public. If you need special assistance to participate in this meeting, please contact the Board Secretary. Notification 48 hours prior to the meeting will enable the District to make reasonable arrangements to ensure accessibility to this meeting.

**MINUTES OF A SPECIAL MEETING WORKSHOP OF
BIG BEAR MUNICIPAL WATER DISTRICT
HELD ON WEDNESDAY, FEBRUARY 19, 2014**

The Open Session workshop began at 1:00 PM. Those in attendance included President Murphy, Director Lewis, Director Eminger, Director Smith, General Manager Scott Heule, Lake Manager Mike Stephenson, and Board Secretary Vicki Sheppard.

Two members of the public, Mason Perry and Loren Hafen, were also present.

WEST RAMP SUMMER OPERATION

Mr. Stephenson presented statistics on West Ramp Boat Launching for 2013 (see attached). West Ramp limited hours of operation, limitation to launch of only banded boats, limiting boat decontamination to certain days or hours, and limiting sales of Lake Permits to save staff costs were all discussed. Director Smith commented that he doesn't think the net savings are worth the confusion and complaints that might arise from limiting the West Ramp operations further. After much discussion, it was the consensus that there was no need for further discussion concerning a possible change to West Ramp operations.

LAKE LEVELS

Summer Revenue from Private Docks and Lake Permits were discussed. Mr. Heule reported that with the Lake level down and if the weather continues to be dry, a Lake level of 12 feet is not unlikely by Labor Day. He explained that based on this condition the District can expect a decline in revenue from private docks that are no longer usable due to the low Lake level. Mr. Stephenson stated that staff has reviewed locations on the Lake where dock use will be most problematic and anticipate as many as 50-60 docks could be impacted. He added that letters have gone out to notify these dock owners that if the lake level goes down significantly more there may not be enough space for everyone to have their docks in the water. He reported that as a result it is believed that private dock license revenue could be off by about \$25,000. He commented that the potential loss of revenue from Lake permits will probably not be significant unless or until the Lake level drops to the 12-13 feet down condition. Director Eminger asked what happens to dock owners who pay their dock fees and then can't use their docks. Mr. Stephenson explained that if they paid and can't use their docks by Memorial Day they get a refund. If it is after Memorial Day the District keeps the money. President Murphy said he is glad we are being pro-active regarding the lake level and the potential impact to dock owners.

DISTRICT 50TH ANNIVERSARY CELEBRATION

Mr. Heule explained that the District's 50th anniversary is this year. A boat parade was discussed but it was thought that maybe just having an event at the East Ramp might be better. Ideas were to have food, a hot dog stand, tour boat rides, the harvester on display, and fun activities for kids. A photo contest for a cover photo for the Mountain Waters Dispatch was also discussed. A calendar using the rest of the photos was also mentioned. President Murphy thought perhaps a musical band might be nice. Dates for the event were discussed. Loren Hafen (Holloways Marina) suggested it be on a Sunday so more people could attend. It was determined that Sunday, August 17th would be a good day for the Anniversary Celebration and staff will work on the details.

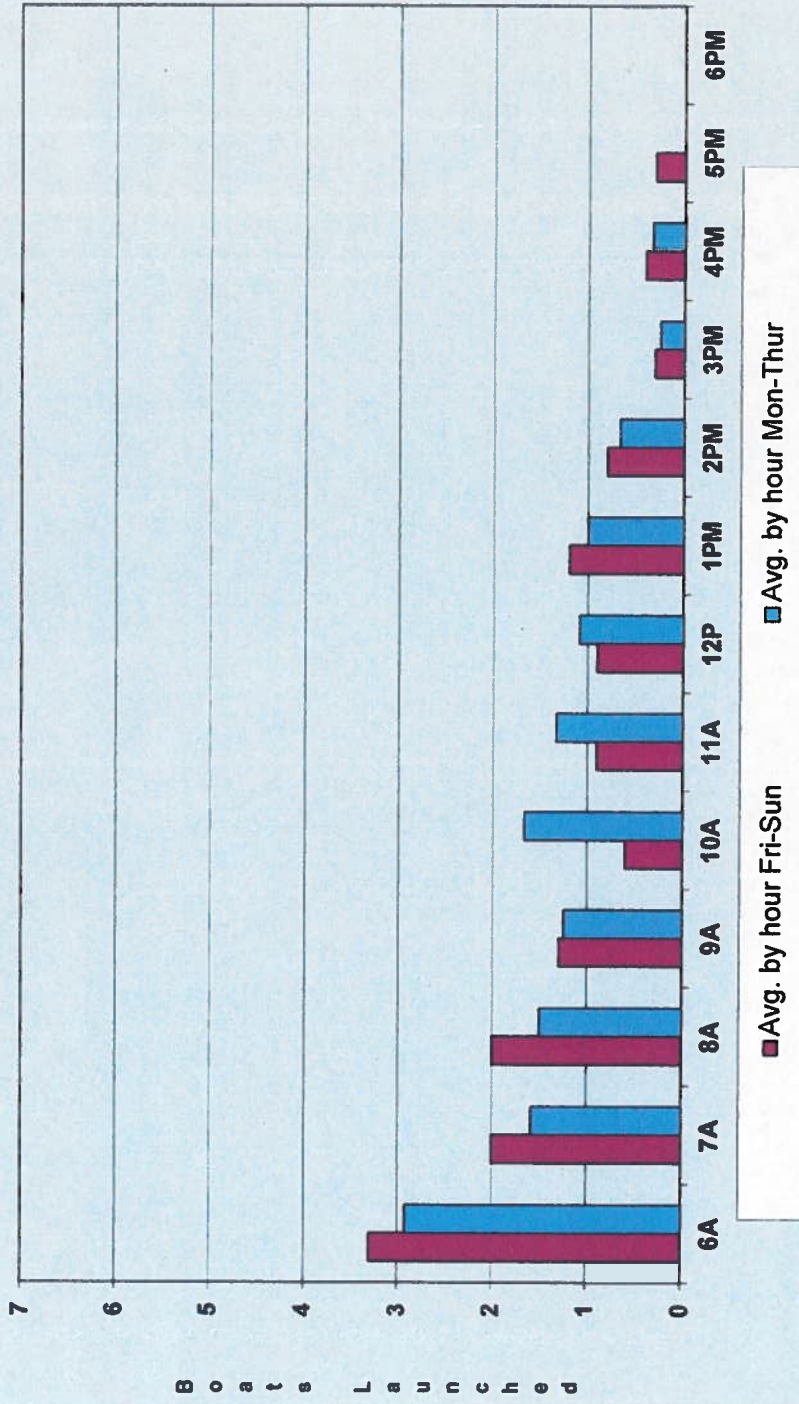
ADJOURNMENT

There being no further business, the workshop was adjourned at 2:14PM.

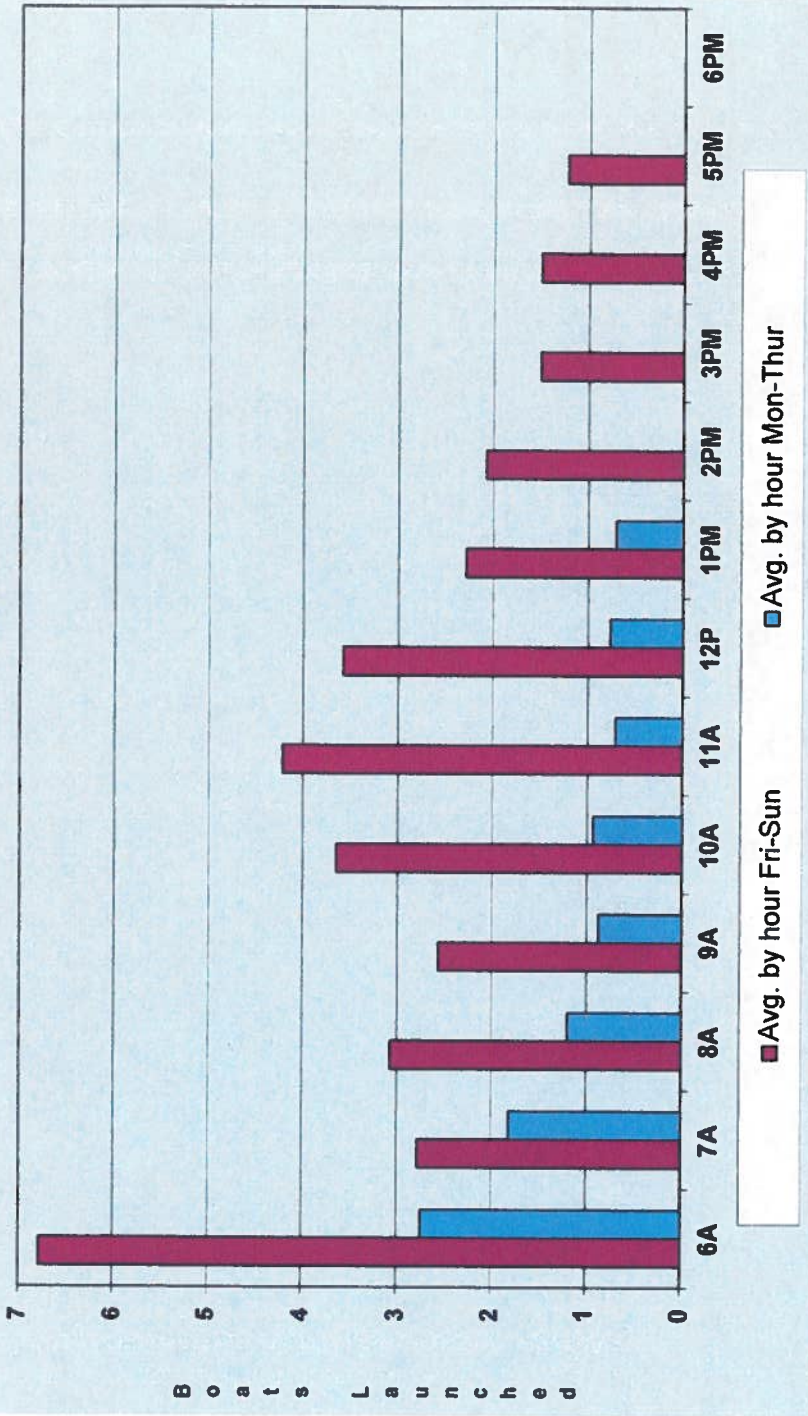
Vicki Sheppard
Secretary to the Board
Big Bear Municipal Water District

(SEAL)

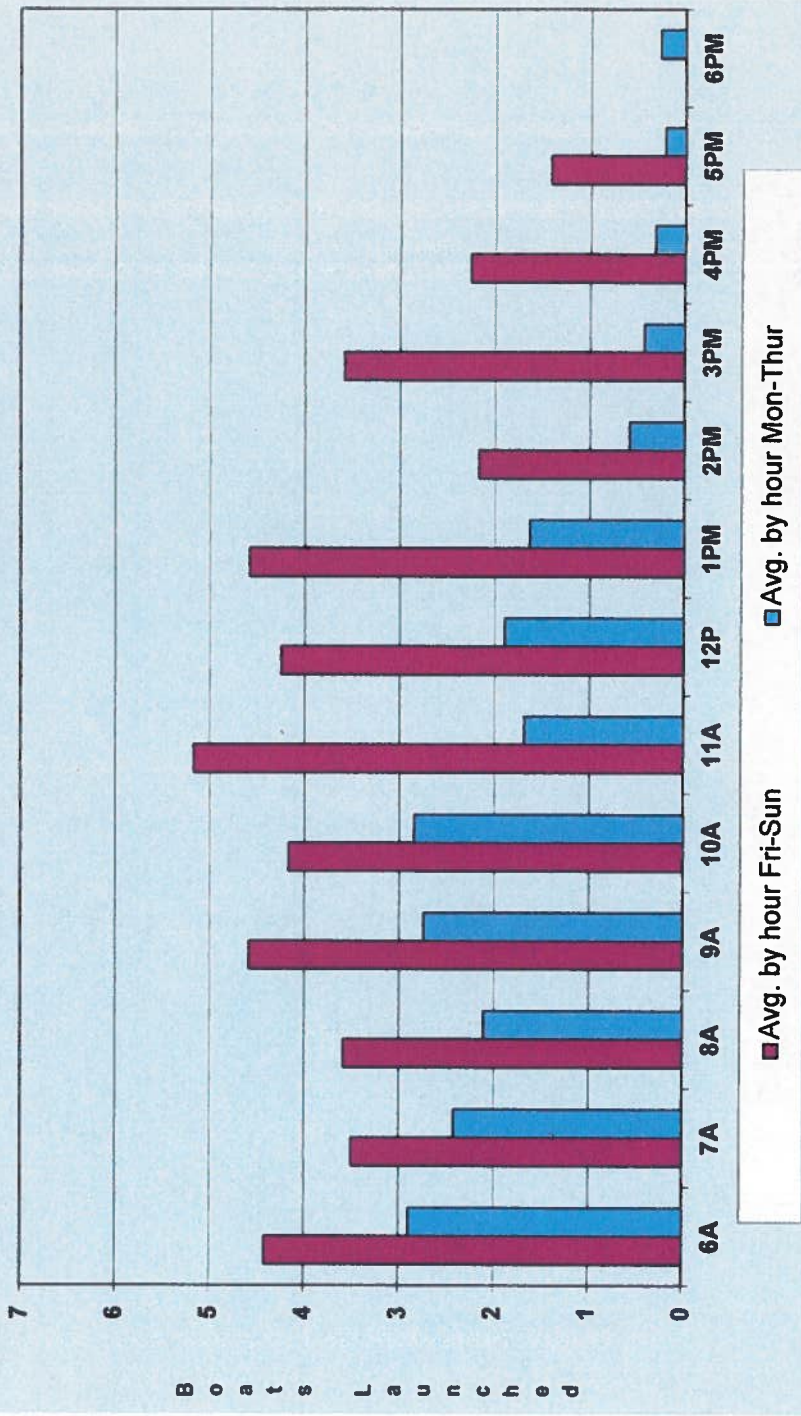
West Boat Launching by Hour May 2013



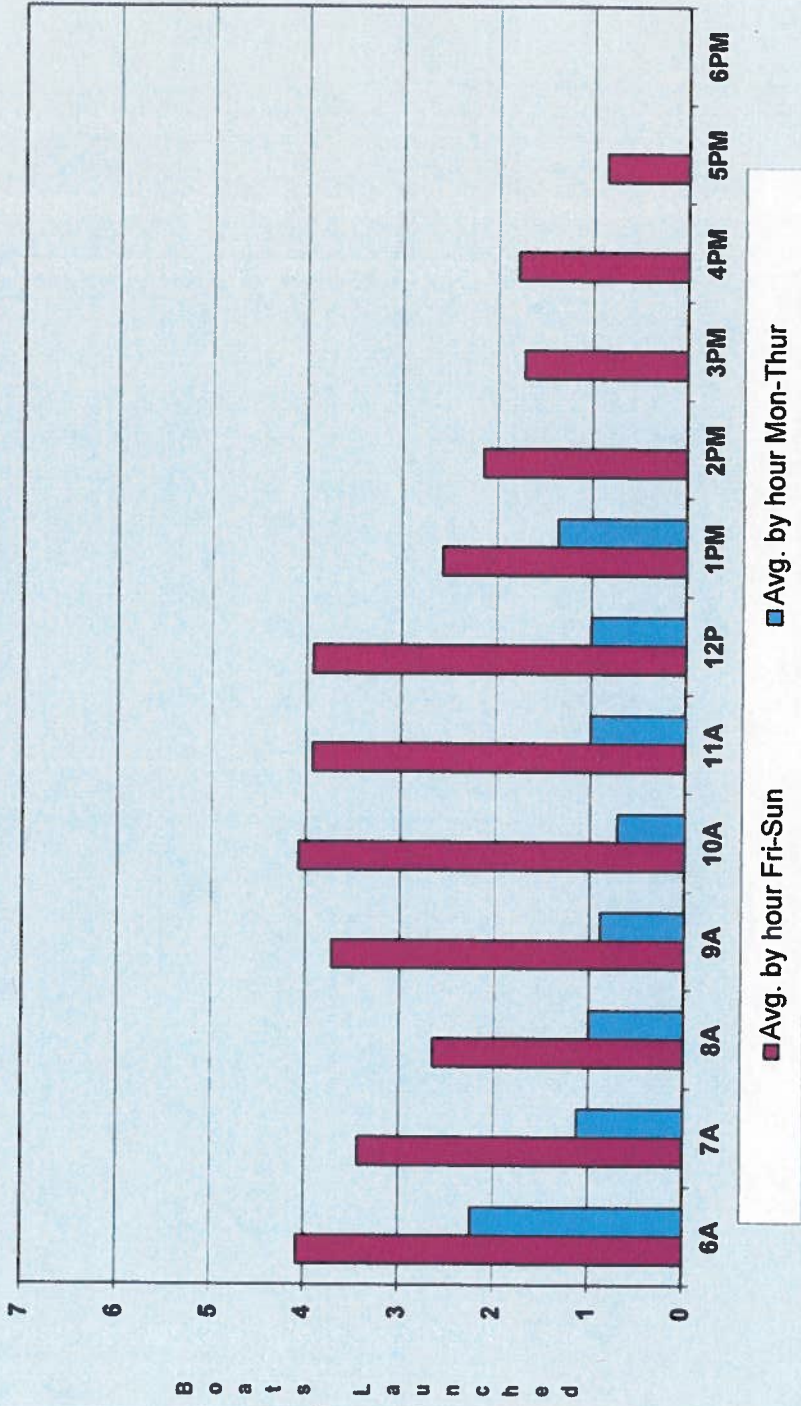
West Boat Launching by Hour June 2013



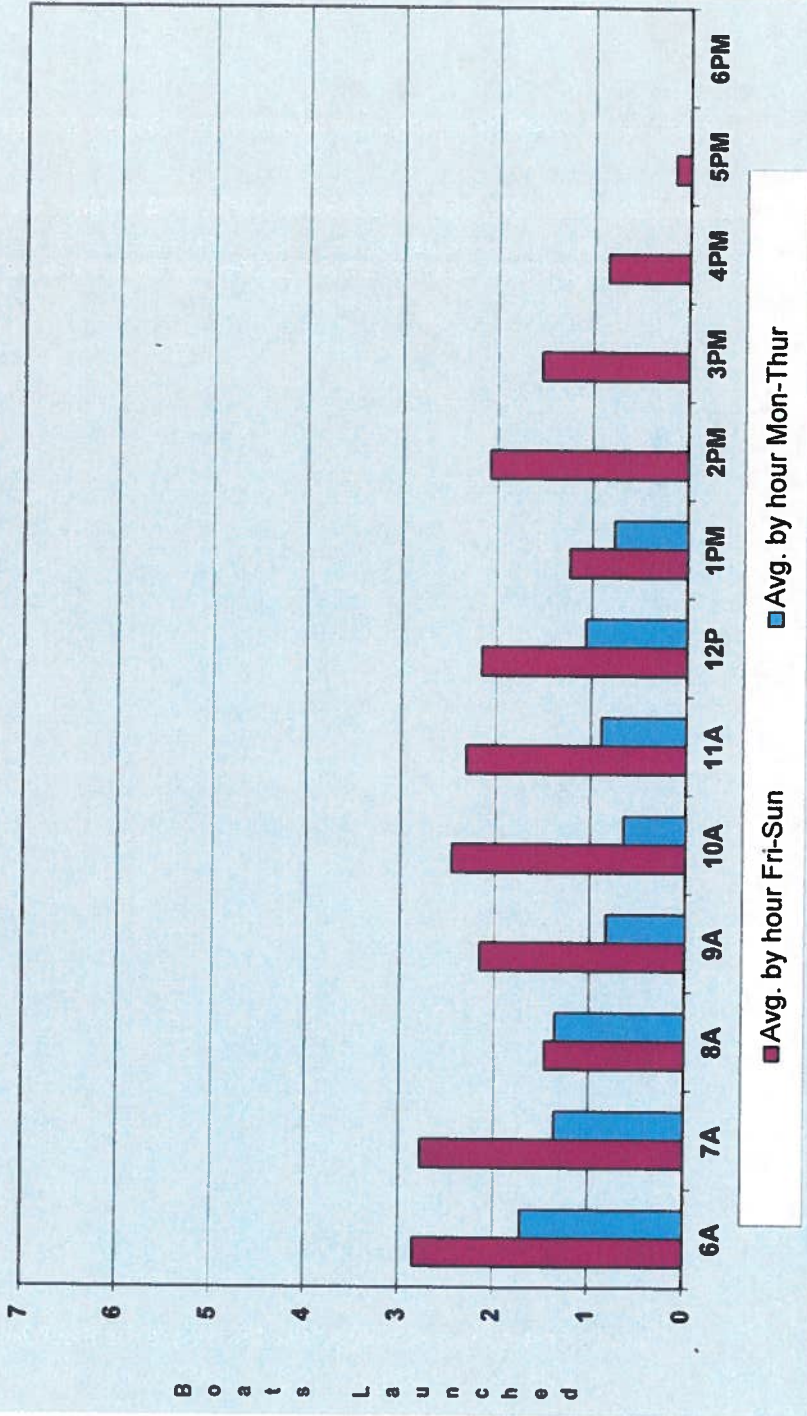
West Boat Launching by Hour July 2013



West Boat Launching by Hour August 2013



West Boat Launching by Hour September 2013



West Boat Launching by Hour Oct 2013



***MINUTES OF A REGULAR MEETING OF
BIG BEAR MUNICIPAL WATER DISTRICT
HELD ON THURSDAY, FEBRUARY 20, 2014***

CALL TO ORDER

President Murphy called the Open Session to order at 1:00 PM. Those in attendance included Director Lewis, Director Eminger, Director Smith, District Counsel Colin O'Neill (via Skype), General Manager Scott Heule, Lake Manager Mike Stephenson, and Board Secretary Vicki Sheppard.

DISCUSSION AND ACTION ON CLOSED SESSION ITEMS

President Murphy reported that there was no closed session at the February 6th meeting.

REPORTS

General Manager, Scott Heule reported that the impacts of the drought of 2014 are getting closer to home. He explained that the Orange County Water Agency is working with the Army Corps of Engineers for an emergency modification of the Prado Dam operation to allow water storage behind the dam. Mr. Heule reported that the amendment to the In Lieu agreement may have met a snag. He explained that the Judgment requires in-lieu deliveries to be made at a point satisfactory to Mutual. He added that we assume that Mutual would want to have the water delivered pipe to pipe and not at the base of the dam. He reported that a result is a significant loss to infiltration in the sediment of Bear Creek between the dam and the confluence with the Santa Ana River and Edison's pick up. He explained that Don Evenson suggests that an amendment to the in-lieu agreement be an avenue to deliver emergency water only to Mutual from an account that Valley builds by delivering when they don't technically have to. Here is his idea "Let Valley District deliver supplemental in-lieu water and get credit for it in the lake; treat evaporation and spills just like we are doing now; when they need the water for an emergency, Big Bear releases it for Mutual only. If they run out of credits and we have to release more water for Mutual's needs, we get a credit on our annual in-lieu cost of say \$600/AF of water released when Valley District should have delivered in-lieu water." He explained that the price would need to be negotiated of course. Mr. Heule stated that he tried his best to ease peoples' concerns about the lake level while being interviewed on Channel 6 last Friday and by the Press Enterprise Tuesday. He added that he hopes he got the message across that there is still plenty of water to fish and recreate on. Mr. Heule reported that the City has decided to try to get a project rolling to reconstruct and expand Stanfield Cutoff. He added that we will be pulling together everything we have on the SCRIP project and getting them copies for their reference purposes. He explained that we collaborated with the City and the County on a grant application last year. The proposal was to replace the 40 foot wide roadway width with one that was 64 feet wide. He added that the application estimated there would be 370,000 cubic yards of cut and fill and contemplated excavation and re-compaction to a depth of 25 feet. He reported that the estimated cost of the project was \$8.3 million. He explained that Jim Miller at the City envisions a project with one lane of traffic in each direction, a bike lane, parallel parking along both sides and either

a pedestrian path or pedestrian/fishing boardwalk on each side. Mr. Heule reported that CalPERS adopted recently completed mortality projections to incorporate into its charges for funding retirement schedules. He explained that due to the fact that people are living longer additional money is needed to keep the retirement system solvent. He stated that new increased rates for State employees will begin soon and will be increased annually for the next three years. He added that for Cities and Special Districts, the increases will begin in 2016 and will be phased in over five years. He commented that he will keep the Board informed as more information becomes available concerning the financial impact on the District.

Lake Manager, Mike Stephenson reported that they have been working on a clean-up project behind Rotary Park and have removed 700 yards of material. He added that the City will gain access to their courtesy dock and will be paying for the project in full. He reported that the hiring process is about half way complete. He added that out of 107 applications, they have many good possibilities. Mr. Stephenson commented that the lake level fluctuation is very interesting. He explained that between this time yesterday and this time today (1:00 pm), the lake went down 1/4 inch explaining that if it continues that would be about 7 inches a month. He added that rain is predicted for next week however.

APPROVAL OF CONSENT CALENDAR

Upon a motion by Director Smith, seconded by Director Eminger, the following consent items were unanimously approved:

- Minutes of a Regular Meeting of February 6, 2014
- Warrant List dated February 13, 2014 for \$16,687.10

CONSIDER APPROVAL OF A RESOLUTION OF THE BOARD OF DIRECTORS OF BIG BEAR MUNICIPAL WATER DISTRICT RE-ESTABLISHING FEES EFFECTIVE FEBRUARY 20, 2014 AND REPEALING RESOLUTION NO. 2013-02

Mr. Heule reported that two items on the District fee schedule are being considered for revision. He explained that a daily charge to recoup District expenses for RV park utilities is calculated annually based on the previous season's actual utility expense divided by the number of days and campsites occupied. He stated that during 2013 the fee charged was \$4.90 and explained that in 2014 the daily utility charge is proposed to increase to \$5.25. Mr. Heule reported that secondly a permit is required by the District for commercial filming and photo shoots on District property. He explained that the District currently charges a flat rate of \$110 for photo shoots and \$170 for film and video production. He added that the District's recent experience with these photo and filming companies has been difficult and complex due to their poor planning, short time lines, and continual changed conditions. He explained that although the District collects a \$500 deposit that is used to reimburse the District for Lake Patrol or Maintenance personnel and equipment, there is no provision for recovery of Administrative expenses associated with the complex and continually changing conditions associated with these type activities. Mr. Heule reported that District experience has found that Staff time devoted to managing these activities increases dramatically as the number of individuals involved grows. He commented that Staff time involved is greater for video and film production than it is with still photo shoots. He added that in order to recover District expenses associated with managing photo and film/video production activities Staff researched other agency fee schedules and drafted proposed fee schedule revisions for the Committee to consider. He explained that one proposed approach

would charge the permit applicant based on the number of individuals involved and the other would depend on the number of days required for the shoot. Mr. Heule reported that Staff advised the Committee that they believe a charge based on the number of persons involved would be most equitable for the District. He added that Staff also indicated that occasionally a request is made to film or still shoot by students working on school projects or assignments. He explained that a separate reduced cost fee schedule and list of conditions is proposed for this situation that recognizes the lower level of impact on District resources by this usually less intrusive activity. He stated that conditions would include a letter from the school confirming the student is enrolled and the work is a part of his/her curriculum and a limitation on the number of persons involved among other items. He explained that after a review of the Staff proposals the Committee believes that fees should be based on the numbers of persons involved in the shoot. He reported that they also want any student rates to apply only to groups of 5 persons or less and with only a \$250 deposit instead of the usual \$500. He added that subject to these modifications the Committee is recommending that the Board approve the Fee Schedule Resolution.

Director Smith moved approval of a Resolution of the Board of Directors of Big Bear Municipal Water District re-establishing fees effective February 20, 2014 and repealing Resolution No. 2013-02. Director Lewis seconded the motion and it was unanimously approved.

CONSIDER APPROVAL OF A PROPOSAL FROM MWH AMERICAS TO PROVIDE DAM ENGINEERING SERVICES

Mr. Heule reported that MWH has provided dam engineering services for the District for several years. He explained that the work they have recently completed has satisfied the California Division of Safety of Dams (DSOD) that expensive radial arm spillway gates are not required. He added that MWH found that even with an overtopping flow during the 100 year flood and probable maximum flood the dam will remain structurally sound. He reported that they did note however that some loose rocks and potentially loose boulders at the dam abutments downstream of the dam need to be cleared and anchored respectively. Mr. Heule stated that the other piece of work that is necessary is to paint the steel struts and anchors that are attached to the dam buttresses. He explained that some additional information that the DSOD wants is a dam operations plan that reduces the likelihood of floodwaters overtopping the dam. He added that MWH has already completed a portion of this work but some refinement and a report are needed to complete this task. He explained that MWH had exhausted funds authorized in its most recent contract. He stated that MWH has submitted a new proposal for engineering services associated with support during bidding and work associated with the strut painting and rock anchoring, permitting from the USFS and Caltrans and dam operations guide implementation to satisfy the DSOD. Mr. Heule explained that the proposed cost is \$71,000 during calendar year 2014 and the District's FY 2013-14 budget includes \$15,000 for the dam operations guide and \$25,000 for other dam engineering efforts for a total of \$40,000. Funding for this work would come from FY 2013-14 budgeted funds in the amount of \$15,000 from the Lake Improvement Fund, \$25,000 from the Dam Repair Fund with the balance from new funding in FY 2014-15's Dam Repair Fund. He commented that the Committee recommends approval of the MWH proposal dated January 30, 2014.

Director Eminger moved approval of a proposal from MWH Americas to provide dam engineering services for an amount not to exceed \$71,000. Director Lewis seconded the motion and it was unanimously approved.

PUBLIC FORUM

No comments were made

ANNOUNCEMENTS

Mr. Heule announced that the next Board meeting will be on March 6, 2014. He added that he hopes to have a recommendation for the purchase of a new harvester at that meeting. He reported that our next Workshop is scheduled for March 19 at 1:00 pm and the agenda will be issues from the Budget and Finance Committee. He commented that he is speaking to the Kiwanis Club on Tuesday February 25th. He explained that he will be out of the office visiting family in North Carolina for a week beginning next Wednesday and returning to work on Wednesday March 5.

DIRECTOR COMMENTS

No comments were made

ADJOURNMENT TO CLOSED SESSION

The meeting was adjourned to Closed Session at 1:27 P.M under Government Code Section 54956.8 Conference with Real Property Negotiator, Scott Heule General Manager, concerning 440 Catalina, Big Bear Lake, California, APN #2328-202-15, #2328-202-08, #2328-291-27

RECONVENE TO OPEN SESSION

The meeting was reconvened to Open Session at 2:03 P.M.
No reportable action.

ADJOURNMENT

There being no further business, the meeting was adjourned at 2:04 P.M.

NEXT MEETING

Open Session at 1:00 P.M.
Thursday, March 6, 2014
Big Bear Municipal Water District
40524 Lakeview Drive, Big Bear Lake, CA

Vicki Sheppard
Secretary to the Board
Big Bear Municipal Water District

(SEAL)

8:29 AM
02/27/14

Big Bear MWD Warrant List Detail February 13 - 26, 2014

Num	Type	Date	Name	Account	Paid Amount
152115	Liability Check	2/13/2014	LINCOLN NATIONAL	1001-01 · General Checking Account	
				2101-01 · Deferred Compensation	-1,275.00
TOTAL					-1,275.00
152116	Liability Check	2/14/2014	MID AMERICA APPLE PLAN	1001-01 · General Checking Account	
				2100-21 · Apple Plan - Company Pay	-97.11
				2100-20 · Apple Plan - Employee Pay	-97.11
TOTAL					-194.22
152117	Liability Check	2/24/2014	MID AMERICA APPLE PLAN	1001-01 · General Checking Account	
				2100-21 · Apple Plan - Company Pay	-33.75
				2100-20 · Apple Plan - Employee Pay	-33.75
TOTAL					-67.50
152118	Liability Check	2/24/2014	LINCOLN NATIONAL	1001-01 · General Checking Account	
				2101-01 · Deferred Compensation	-1,275.00
TOTAL					-1,275.00
152119	Bill Pmt -Check	2/24/2014	ALL PROTECTION ALARM	1001-01 · General Checking Account	
505461	Bill	2/5/2014		5630-42 · OPS-Bldg/Fac Mtn/Rep-EAST RA...	-125.88
505383	Bill	2/5/2014		5630-10 · ADMIN-Bldg/Facility Maint/Rep	-204.00
505260	Bill	2/5/2014		5630-10 · ADMIN-Bldg/Facility Maint/Rep	-38.21
505009	Bill	2/5/2014		5630-10 · ADMIN-Bldg/Facility Maint/Rep	-43.22
TOTAL					-411.31
152120	Bill Pmt -Check	2/24/2014	BUTCHER'S BLOCK AND BUIL...	1001-01 · General Checking Account	
277345	Bill	2/12/2014		5630-41 · OPS-Bldg/Fac Mtn/Rep-RV PARK	-78.02
TOTAL					-78.02
152121	Bill Pmt -Check	2/24/2014	BVE	1001-01 · General Checking Account	
020620...	Bill	2/6/2014		5507-41 · OPS-Utilities-Main Office	-1,040.42
020620...	Bill	2/6/2014		5507-42 · OPS-Utilities-RV Park	-26.92
020620...	Bill	2/6/2014		5507-41 · OPS-Utilities-Main Office	-12.11
021120...	Bill	2/11/2014		5507-44 · OPS-Utilities-Trout Pond	-28.06
TOTAL					-1,107.51
152122	Bill Pmt -Check	2/24/2014	BVPRINTING	1001-01 · General Checking Account	
85030	Bill	2/24/2014		5510-01 · ADMIN-Public Info-Multimedia	-108.00
TOTAL					-108.00
152123	Bill Pmt -Check	2/24/2014	CENTURY FORMS	1001-01 · General Checking Account	
190257	Bill	2/12/2014		5510-43 · OPS-Public Info-Boat Decal	-6,766.46
TOTAL					-6,766.46
152124	Bill Pmt -Check	2/24/2014	CHARTER COMMUNICATIONS	1001-01 · General Checking Account	
021620...	Bill	2/16/2014		5505-08 · ADMIN- Phone Office DSL	-249.11
TOTAL					-249.11

8:29 AM
02/27/14

Big Bear MWD Warrant List Detail February 13 - 26, 2014

Num	Type	Date	Name	Account	Paid Amount
152125	Bill Pmt -Check	2/24/2014	CHEM-PAK	1001-01 · General Checking Account	
85287	Bill	2/17/2014		5630-30 · MAINT-Bldg/Facility Maint/Rep	-97.42
85321	Bill	2/19/2014		5504-31 · MAINT-Janitorial Supplies-Admin	-4.97
TOTAL					-102.39
152126	Bill Pmt -Check	2/24/2014	CT & T SPORTS	1001-01 · General Checking Account	
3717	Bill	1/14/2014		5541-31 · MAINT-Uniform/Sm Equip-Reg E...	-629.31
TOTAL					-629.31
152127	Bill Pmt -Check	2/24/2014	DIY HOME CENTER	1001-01 · General Checking Account	
10566	Bill	12/3/2013		5630-31 · MAINT-Bldg/Facil Maint/Rep-Shop	-15.52
TOTAL					-15.52
152128	Bill Pmt -Check	2/24/2014	GRAINGER	1001-01 · General Checking Account	
935907...	Bill	2/6/2014		5650-02 · WATER-Watershed Mgt Equip&...	-152.44
936226...	Bill	2/11/2014		5650-02 · WATER-Watershed Mgt Equip&...	-92.66
TOTAL					-245.10
152129	Bill Pmt -Check	2/24/2014	MCMaster-CARR	1001-01 · General Checking Account	
733986...	Bill	2/10/2014		5630-31 · MAINT-Bldg/Facil Maint/Rep-Shop	-19.14
TOTAL					-19.14
152130	Bill Pmt -Check	2/24/2014	MELTON SIGN SERVICE	1001-01 · General Checking Account	
4357	Bill	2/24/2014		5630-30 · MAINT-Bldg/Facility Maint/Rep	-55.00
TOTAL					-55.00
152131	Bill Pmt -Check	2/24/2014	NAPA AUTO PARTS	1001-01 · General Checking Account	
176811	Bill	2/11/2014		5600-31 · MAINT-Vehicle Maint-ON ROAD	-43.40
177232	Bill	2/13/2014		5600-31 · MAINT-Vehicle Maint-ON ROAD	-29.31
177873	Bill	2/18/2014		5630-31 · MAINT-Bldg/Facil Maint/Rep-Shop	-8.63
TOTAL					-81.34
152132	Bill Pmt -Check	2/24/2014	PITNEY BOWES RENTAL	1001-01 · General Checking Account	
109870...	Bill	2/13/2014		5501-01 · ADMIN-Post&Ship OFFICE	-329.94
TOTAL					-329.94
152133	Bill Pmt -Check	2/24/2014	QUILL	1001-01 · General Checking Account	
9385765	Bill	2/6/2014		5503-01 · ADMIN-Office Supplies-Office	-45.98
9508948	Bill	2/11/2014		5503-01 · ADMIN-Office Supplies-Office	-40.47
9570443	Bill	2/13/2014		5503-01 · ADMIN-Office Supplies-Office	-62.07
9603162	Bill	2/14/2014		5503-01 · ADMIN-Office Supplies-Office	-397.43
9603174	Bill	2/14/2014		5503-01 · ADMIN-Office Supplies-Office	-237.59
TOTAL					-783.54
152134	Bill Pmt -Check	2/24/2014	RADIO SHACK CORPORATION	1001-01 · General Checking Account	
031623	Bill	1/15/2014		5650-02 · WATER-Watershed Mgt Equip&...	-26.99
TOTAL					-26.99

8:29 AM
02/27/14

**Big Bear MWD
Warrant List Detail
February 13 - 26, 2014**

<u>Num</u>	<u>Type</u>	<u>Date</u>	<u>Name</u>	<u>Account</u>	<u>Paid Amount</u>
152135	Bill Pmt -Check	2/24/2014	ROBERTSON'S	1001-01 · General Checking Account	
294850	Bill	2/12/2014		5630-41 · OPS-Bldg/Fac Mtn/Rep-RV PARK	-41.04
TOTAL					-41.04
152136	Bill Pmt -Check	2/24/2014	SOUTHWEST GAS CORPORAT...	1001-01 · General Checking Account	
021820...	Bill	2/18/2014		5507-41 · OPS-Utilities-Main Office	-310.68
021820...	Bill	2/18/2014		5507-42 · OPS-Utilities-RV Park	-36.19
021920...	Bill	2/19/2014		5507-44 · OPS-Utilities-Trout Pond	-11.35
TOTAL					-358.22
152137	Bill Pmt -Check	2/24/2014	SUPERMEDIA	1001-01 · General Checking Account	
021920...	Bill	2/19/2014		5505-07 · ADMIN-Phone Office Web/Email	-29.95
TOTAL					-29.95
152138	Bill Pmt -Check	2/24/2014	TIFCO INDUSTRIES	1001-01 · General Checking Account	
709261...	Bill	2/11/2014		5630-31 · MAINT-Bldg/Facil Maint/Rep-Shop	-353.40
TOTAL					-353.40
152139	Bill Pmt -Check	2/24/2014	VALERO	1001-01 · General Checking Account	
022120...	Bill	2/21/2014		5590-42 · OPS-Petroleum-VEHICLES	-1,046.33
TOTAL					-1,046.33
152140	Bill Pmt -Check	2/24/2014	VERIZON CALIFORNIA	1001-01 · General Checking Account	
020120...	Bill	2/1/2014		5505-02 · ADMIN-Phones Ramps Local Svc	-50.66
020120...	Bill	2/1/2014		5505-03 · ADMIN-Phones Long Distance	-51.94
				5505-01 · ADMIN-Phones Local/Hardware/...	-373.42
021320...	Bill	2/13/2014		5505-01 · ADMIN-Phones Local/Hardware/...	-41.04
TOTAL					-517.06
152141	Bill Pmt -Check	2/24/2014	VERIZON WIRELESS	1001-01 · General Checking Account	
020920...	Bill	2/9/2014		5505-06 · ADMIN-Phone Cell Phones	-173.00
TOTAL					-173.00
152142	Bill Pmt -Check	2/24/2014	BVPRINTING	1001-01 · General Checking Account	
85016	Bill	3/1/2014		5510-41 · OPS-Public Info-Dispatch Print	-12,061.20
TOTAL					-12,061.20
152143	Bill Pmt -Check	2/24/2014	UPS	1001-01 · General Checking Account	
F33Y11...	Bill	2/8/2014		5501-01 · ADMIN-Post&Ship OFFICE	-22.98
F33Y11...	Bill	2/15/2014		5501-01 · ADMIN-Post&Ship OFFICE	-36.48
TOTAL					-59.46
152144	Bill Pmt -Check	2/24/2014	BOWMAN MARINE SURVEY	1001-01 · General Checking Account	
CF332...	Bill	2/2/2014		5580-40 · OPS-Boat Maintenance	-470.00
TOTAL					-470.00

**BIG BEAR MUNICIPAL WATER DISTRICT
REPORT TO BOARD OF DIRECTORS**

MEETING DATE: March 6, 2014

AGENDA ITEM: 5D

SUBJECT:

CONSIDER APPROVAL OF A SPECIAL EVENT PERMIT FOR THE JIM HALL MEMORIAL MAY TROUT CLASSIC TO BE HELD MAY 17 & 18, 2013

RECOMMENDATION:

The General Manager and Operations Committee (Directors Murphy & Suhay) recommend approval of this annual special event.

DISCUSSION/FINDINGS:

The Jim Hall Memorial May Trout Classic is scheduled for Saturday and Sunday May 17 and 18, 2014 and is to be held at Holloways Marina. This will be the 32nd year for the event. Check-in will be in the District Board room on Friday night May 16 and is limited to 500 anglers. The event permittee is responsible for the sale of the reduced Special Event Permits for participants wanting to use their personal boats for the event. The week prior to the event the applicant purchases and stocks several thousand dollars worth of trout in the lake. The Committee recommends approval of this permit application and a waiver of the \$500 deposit for District services as none will be required. A condition requiring payment of a minimum fee for fish purchases by the District or by spending the equivalent amount on a fish plant by the applicant after approval by the Lake Manager is recommended. The fee will be \$500 or \$15 per angler whichever is greater.

OTHER AGENCY INVOLVEMENT: None

FINANCING: None

Submitted by: Mike Stephenson, Lake Manager and reviewed by Scott Heule, General Manager

EXHIBIT A

DESCRIPTION OF EVENT

1. Name of Event: **2014 JIM HALL MEMORIAL MAY TROUT CLASSIC**
2. Primary contact name, mailing address, phone number, e-mail:
JACQUE HALL, P.O. BOX 6404, BIG BEAR LAKE, CA 92315 909-585-4007
3. Location of Event: **jacque@maytroutclassic.com**
BIG BEAR MARINA & MWD PARKING LOT
4. Date(s):
MAY 17 AND 18 - 2014
5. Describe Event: **TROUT TOURNAMENT**
6. Estimated Number of Participants: **500**
7. Estimated Number of Spectators: **NOT KNOWN**
8. Method of Limiting Attendance: **PRE-REGISTRATION, ONLY**
9. Method of Trash Collection and Disposal: **SITE SERVICES**
10. Proposed First-Aid Services: **NORMAL SERVICE**
11. Proposed Security Services: **SITE SERVICES**
12. Proposed Fire Protection Services: **NORMAL SERVICES**
13. Proposed Sanitation Facilities: **SITE SERVICES**
14. Parking Arrangements: **SITE SERVICES**
15. Name, Address and Telephone Number of Person Available Before and During Event
with authority to Control Event: **JASON HALL, P.O. BOX 6404, BIG BEAR LAKE, CA 92315**
TOURNAMENT DIRECTOR/CEO 909-585-7352
16. Perimeter control, if applicable: **JACQUE HALL, P.O. BOX 6404, BIG BEAR LAKE, CA**
92315

N/A (WE CONTROL THE WEIGH STATION, ONLY)

For District use only:

- (601) Deposit \$ _____
Date _____ Ck # _____
- (511) Fee \$ 100
Date 2/18/14 Ck # 1306
- (540) Angler Fee \$ _____
Date _____ Ck # _____

OR

**MAY TROUT CLASSIC COMMITTEE AT
MWD SITE ON 5/16/2014 AND
TOURNAMENT SITE ON 5/17 & 5/18/14**

**EXHIBIT C
SPECIAL CONDITIONS**

2014 JIM HALL MEMORIAL MAY TROUT CLASSIC

1. All boating participants will pay the established boat permit fees. The Jim Hall Memorial Trout Classic will sell Special Event daily boat permits through the tournament headquarters and will be responsible for any lost or missing permits.
2. Payment of a minimum fee for fish purchases by the District or by spending the equivalent amount on a fish plant by the applicant after approval by the Lake Manager is required. The fee will be \$500 or \$15 per angler whichever is greater.
3. Game Fish Contest Permit from the State of California, Department of Fish and Wildlife and proof of liability insurance naming the District as additionally insured must be submitted to the District at least 30 days prior to the event.
4. It is understood that the Jim Hall Memorial Trout Classic is a non-profit organization and, therefore, the District will waive the \$500 refundable deposit.

**BIG BEAR MUNICIPAL WATER DISTRICT
REPORT TO BOARD OF DIRECTORS**

MEETING DATE: *March 6, 2014*

AGENDA ITEM: *5E*

SUBJECT:

CONSIDER APPROVAL OF A SPECIAL EVENT PERMIT FOR THE 2014 BIG BEAR LAKE TROUTFEST TO BE HELD ON OCTOBER 4th AND 5th

RECOMMENDATION:

The General Manager and the Operations Committee (Directors Murphy & Suhay) recommend approval of this special event.

DISCUSSION/FINDINGS:

The annual Western Outdoor News October TroutFest is scheduled for October 4 and 5, 2014. The Committee recommends approval of this event with the following special conditions:

- A fisheries enhancement fee of \$15/angler or \$500 whichever is greater, will be paid to the District based on the final count of participants in the event. Partial cash payment of this fee must be made to the District immediately after August 1, 2014 based on the number of registrants on that date. The balance of the cash payment must be paid not later than October 15, 2014.
- The event cannot begin before 6:30 AM on either day of the event.
- All registrants will be advised during registration concerning requirements for Quagga Mussel inspection prior to launching on Big Bear Lake.
- District Staff will tag up to 30 fish and plant them throughout the Lake prior to the event.
- Only District staff will purchase and stock fish for the TroutFest event.
- Game Fish Contest Permit from the State of California, Department of Fish and Wildlife and proof of liability insurance naming the District as additionally insured must be submitted to the District at least 30 days prior to the event.

OTHER AGENCY INVOLVEMENT: None

FINANCING: None

Submitted by: Mike Stephenson, Lake Manager and reviewed by Scott Heule, General Manager

EXHIBIT A

DESCRIPTION OF EVENT

1. Name of Event: *TROUTFEST*
2. Primary contact name, mailing address, phone number, e-mail:
3. Location of Event: *BIG BEAR MARINA*
4. Date(s): *10/4-10/5 2014*
5. Describe Event: *TROUT TOURNAMENT*
6. Estimated Number of Participants: *1000*
7. Estimated Number of Spectators: *1500*
8. Method of Limiting Attendance: *MAX 1000*
9. Method of Trash Collection and Disposal: *MARINA STAFF/B B DISPOSAL*
10. Proposed First-Aid Services: *911/LAKE PATROL/BNCHD*
11. Proposed Security Services: *MARINA STAFF*
12. Proposed Fire Protection Services: *FIRE EXT/BBLFD*
13. Proposed Sanitation Facilities: *PORTA POTTIES*
14. Parking Arrangements: *BBSMWA DAY USE LOT/EMES LODGE*
15. Name, Address and Telephone Number of Person Available Before and During Event with authority to Control Event: *ALAN SHARP - SEE ABOVE*
BILL EGAN/WOW 949-~~94~~ 290-0582
16. Perimeter control, if applicable: *FENCING / SHORELINE*



For District use only:

(601) Deposit \$ _____
Date _____ Ck # _____

(511) Fee \$ *100*
Date *2/7/14* Ck # *004513*

(540) Angler Fee \$ _____
Date _____ Ck # _____

**EXHIBIT C
SPECIAL CONDITIONS**

2014 BIG BEAR LAKE TROUTFEST

- A fisheries enhancement fee of \$15/angler will be paid to the District based on the final count of participants in the event. Partial cash payment of this fee must be made to the District immediately after August 1, 2014 based on the number of registrants on that date. The balance of the cash payment must be paid not later than October 15, 2014.
- The event cannot begin before 6:30 AM on either day of the event.
- All registrants will be advised during registration concerning requirements for Quagga Mussel inspection prior to launching on Big Bear Lake.
- District Staff will tag up to 30 fish and plant them throughout the Lake prior to the event.
- Only District staff will purchase and stock fish for the TroutFest event.
- Game Fish Contest Permit from the State of California, Department of Fish and Wildlife and proof of liability insurance naming the District as additionally insured must be submitted to the District at least 30 days prior to the event.

**BIG BEAR MUNICIPAL WATER DISTRICT
REPORT TO BOARD OF DIRECTORS**

MEETING DATE: March 6, 2014

AGENDA ITEM: 6A

SUBJECT:

CONSIDER APPROVAL OF AN EXPENDITURE OF \$149,980.00 FOR THE PURCHASE OF AN AQUAMARINE AQUATIC PLANT HARVESTER

RECOMMENDATION:

Lake Manager and Facilities Committee (Directors Smith & Suhay) recommend approval of this purchase pending answers to several questions.

DISCUSSION/FINDINGS:

At the Facilities Committee Meeting on February 26th, three quotes for harvesters were presented (see attached):

Aquamarine H9-905 for \$149,980

Aquamarine H5-200 for \$49,980

Inland Lake Harvesters, Inc.

Mild Steel Hull for \$158,675

Stainless Steel Hull for \$176,750

The one that staff and the committee believes is the best choice is the Aquamarine H9 for \$149,980.00. The reason for this recommendation is because the parts are interchangeable with our current harvester and also because it holds 150 cubic feet more weeds than the 750 we now own. The committee wants to be sure the new engine meets current and future emission requirements for the State of CA, if sales tax is going to be charged, the cost for delivery, and if it can be delivered by June 15. The Lake Manager will research and have the information for consideration at the March 6th meeting.

OTHER AGENCY INVOLVEMENT: None

FINANCING: \$70,000 is budgeted for the transporter from the Capital Improvement Fund and the balance of \$79,980 will come from the Lake Improvement Fund.

Submitted by: Mike Stephenson, Lake Manager and reviewed by Scott Heule, General Manager



Division of ERECTOWELD Company Limited, 586 Third Line, Oakville, ON, CANADA, L6L 4A7
 Tel: (905) 825-1371 www.aquamarine.ca info@aquamarine.ca Fax: (905) 825-4116

H9-905 AQUATIC PLANT HARVESTER: Technical Specifications

DIMENSIONS & WEIGHT		HARVESTING HEAD	
Operating:	Length 43'-6" 13,26 m Width (max) 16'-10" 5,13 m Height (max) 10'-0" 3,05 m	Cutting Width 9'-6" 2,90 m Cutting Depth (max.) 6'-0" 1,83 m Horiz. & Vert. Knives 3" (7,6 cm) wide, reciprocating stroke Impact Absorption Pivoted Swinging Suspension Conveyor Belt Type HD galvanized steel mesh Belt & Cutter drives Direct, by hydraulic motors	
Shipping:	Length 43'-6" 13,26 m Width 11'-10" 3,60 m Height 9'-10" 3,00 m		
Weight (dry):	w/o options 17,500 lbs. 7940 kg		
CARRYING CAPACITY		MAIN & REAR STORAGE / UNLOADING SYSTEM	
By Volume	900 cu ft. 25.48 m3	Type	Two Stage (2 conveyors)
By Weight @ 30% Freeboard	13,000 lbs. 5900 kg	Conveyor Width	7'-9" 2,36 m
		Rear Conveyor Overhang	7'-0" 2,13 m
		Unloading Height	Hydraulically adjustable
		Unloading Time (avg.)	90 seconds (load dependent)
		Conveyor Belt Type	Galvanized, HD Steel Mesh
		Belt Drives	Direct, via 2 hydraulic motors each.
FLOTATION (304 stainless steel hull – 11 ga – 3 mm)		PROPULSION	
Vessel Type	Rectangular barge (30)	Type	Twin paddle wheels
Hull Length	26'-5" 8,05 m	Controls	Via Tethered Remote Control
Hull Width	11'-10" 3,60 m	Paddle Wheel Drives	Direct, via planetary gear units
Hull Structure	Carbon Steel	Paddle Wheel Speed	Variable
Compartments	5 Watertight	Diameter	6'-0" 1,83 m
Draft (average) Light	12.5" 32 cm	Width	2'-6" 0,76 m
Draft (average) Loaded	21" 54 cm	Protection	Splash guards
Barge Bottom Protection adds 3.5" (9 cm) to draft	2 UHMW PE solid full length skids	Paddle Wheel Mount	Fixed drive arm
POWER SYSTEM & CONTROL BRIDGE <i>Compicut</i>		GENERAL	
Engine Type	4- cylinder Deutz D914 L04 Diesel	Fasteners	Stainless steel & high strength steel where required
Cooling Method	Air with fan	Navigation Lights & Horn	Included
Power Output	74.2 HP (55.3 kW) @ 2300 rpm	Conveyor Belt Supports	UHMW PE wear strips
Hydraulic Pump	Variable volume, pressure and flow compensated axial piston type	Anti-Corrosion System	Unpainted Stainless steel hull High visibility Safety Orange industrial Epoxy/Polyester powder coating on super structure.
Hydraulic Fittings	O Ring Face Seal & O Ring Boss (Leak Proof)	Sun /Rain Canopy	Included
Hydraulic Tank	45 US gal 170 litres	Electrical System	12Volt DC c/w power outlet
Fuel Tank	26 US gal 98 litres		
Hydraulic System and Machine Controls	Load sensing directional valves Tethered Remote Control with Engine Control & Instrumentation		
Operator's Seat	White Adjustable Sliding		

Due to Aquamarine's ongoing efforts to improve its products, specifications are subject to change without notice. Feb 18, 2014

H9-905 US\$149,980.00
 Feb 18, 2014



Division of ERECTOWELD Company Limited, 586 Third Line, Oakville, ON, CANADA, L6L 4A7
Tel: (905) 825-1371 www.aquamarine.ca info@aquamarine.ca Fax: (905) 825-4116

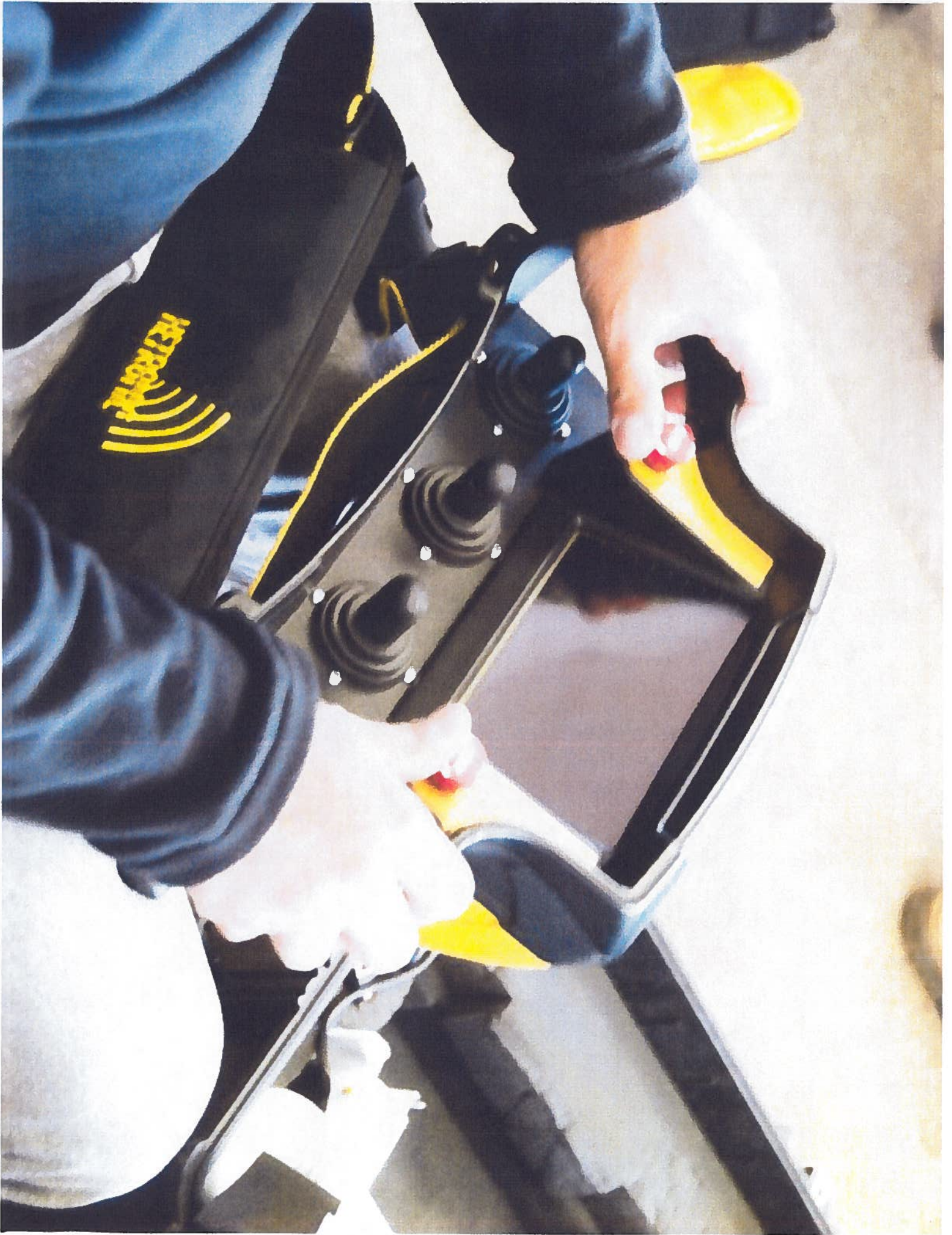
H9-905 AQUATIC PLANT HARVESTER: Technical Specifications

Options:

Tilt Up Paddle Wheels – Replaces fixed paddle wheel mounts	US \$29,980.00
Water Wash Down Pump System* 2 inch poly hydraulically driven Banjo Pump 1" Akron brass nozzle & 50 feet hose 40 gallons per minute max capacity	US \$5,200.00
Spud Anchors* – Hydraulic 60 inch stroke. Sold individually	US \$4,980.00 ea.
Stainless Steel Rudders* – Hydraulic lift & Rotation. Sold individually	US \$3,480.00 ea.
Light Duty Cab – Replaces Bimini Cover	US \$3,780.00
Heavy Duty Stainless Steel Belting – Replaces Galvanized Belting Entire Machine Harvesting Head Only	US \$10,980.00 US \$3980.00
Flights on Harvesting Head Belting Helps convey small weeds and debris up Harvesting Head	US \$980.00
Custom Colour: Standard Colour is RAL 2009 Safety Orange	US \$5,500.00
Closed floor under front and rear conveyor top belting	US \$1,880.00
Work Lights – 2 fore, 1 aft	US \$680.00
Operator Seat – upgraded	US \$780.00
Spare Parts Package 50' (15 m) of galvanized conveyor belting, or 24' (8 m) of Stainless 30 belt connecting rods 100 knife sections, 12 rock guards, 10 UHMW PE hold down clips for side cutters, 10 hold down clips for horizontal cutters, all with fasteners 4 conveyor drive bearings and 6 rod end bearings 3 high pressure hydraulic filter elements. 3 low pressure hydraulic filter elements 6 engine oil filter elements. 3 Diesel fuel filter elements 3 fuel and water separator elements. 1 hydraulic cutter motor. 1 paddle wheel motor 10 Seal kits total. 2 for each hydraulic motor type	US \$5,980.00

* These options can be purchased at a later date. Hydraulic system is option ready in the field. Mounting plates and brackets are pre installed.

Due to Aquamarine's ongoing efforts to improve its products, specifications are subject to change without notice. Feb 18, 2014









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 Tel: 905-825-1371 info@aquamarine.ca www.aquamarine.ca Fax: (905) 825-4116

H5-200 AQUATIC PLANT HARVESTER, Technical Specifications

DIMENSIONS & WEIGHT			HARVESTING HEAD	
Operating:			Cutting Width	5'-0" 1,53 m
Length - Overall	33'- 11"	10,34 m	Cutting Depth (max.)	5'-6" 1,68 m
Width - Wheels at Side	11'- 4"	3,45 m	Horiz. / Vert. Knives	3" (76 mm) w. reciprocating stroke
Width - Wheels at Rear	8'- 5.5"	2,58 m		
Height	7'- 6" approx	2,13 m *		
Shipping:			Impact Absorption	Swinging pivot suspension system
Length	32'-11"	10,03 m	Belting	Standard duty galvanized steel mesh
Width	7'-6"	2,29m		
Height (Int'l)	6'-9"	2.21 m		
(Fits in 40 ft. container)			STORAGE & UNLOADING SYSTEM	
Height Overall on dry land	8'- 9"	2,67 m	Type	Dual frame with articulating off-loading section
Weight Dry without options	5,800 lbs.	2630 kg	Conveyor Bed Width	3'-7" 1,09 m
			Conveyor Overhang	6'-0" 1,83 m
CARRYING CAPACITY **			Unloading Height (above deck)	3'-10" 1,17 m
Maximum Volume	200 cu ft.	5,7 cu meters	Unloading Time (avg.)	60 seconds (load dependent)
Maximum Weight	3,000 lbs.	1360 kg	Belting Material	Standard duty galvanized steel mesh
(@ 30% Freeboard)			Conveyor Belt Drive	Direct by hydraulic motor
FLOTATION (304 stainless steel hull)			PROPULSION	
Flat Bottom Hull	Hull height	(23/17.5)	Type	Twin paddle wheels
Length	19'- 0"	5,79 m	Controls	Tethered Remote Control
Width	7'- 6"	2,29 m	Diameter x Width	4'-0" x 1'-9" 1,22 x 0.53 m
Compartments	(5) Air & watertight		Paddle Wheel Drives	Direct by hydraulic wheel motors
Draft (average):			Paddle Wheel Speed	0 - maximum rpm, variable
-Light	10.5"	27 cm	Paddle Wheel Deployment	Side propulsion or swing-a-round
-Loaded	15.5"	39 cm		Stern propulsion
Hull Bottom Protection	Stainless steel	304 SS		
(add 2"/5cm to draft)	skids in S/S			
POWER SYSTEM & CONTROL BRIDGE			GENERAL	
Engine Type	4-cycle gasoline (Subaru)		Fasteners	Stainless steel & high strength steel, where required.
Cooling	Air cooled			
Power Output (total)	25 HP (18.6 kW) @ max rpm		Conveyor Belting Supports	UHMW PE wear strips
Hydraulic Pump type	Piston pump			
			Anti-Corrosion System	Unpainted Stainless steel hull throughout, high visibility safety orange industrial epoxy/polyester powder coating on super structure
Hydraulic Tank	20 US gal	75 liter		
Fuel Tank (1 portable)	6.6 US gal	25 liter	Electrical System	12 Volt DC
Operator's Seat	Adjustable sliding		Sun-Rain Canopy	Included (easily removable)
Control Panel	Engine monitoring system		Navigation Lights/Horn & Tool Box	Standard, included
Hydraulic Control	PVG 32 valve bank			
Hydraulic Fittings	O Ring Face Seal & O Ring Boss (Leak Proof)			

* Without sun-rain canopy

** Maximum volume based on uncompressed biomass

H5-200 US\$49,980.00
 Jan 30, 2014



Division of Erectoweld Company Limited, 586 Third Line, Oakville, ON, CANADA, L6L 4A7
 Tel: 905-825-1371 info@aquamarine.ca www.aquamarine.ca Fax: (905) 825-4116

H5-200 AQUATIC PLANT HARVESTER, Technical Specifications

Options:

Diesel Engine – Replaces Subaru Gas Engine Kubota D1305-4KEA - 24.8 hp @ 2600 rpm - Liquid Cooled Emissions Certification – EPA/CARB Tier 4 – EU Stage 1V	US \$7,900.00
Water Wash Down Pump System: 2 inch poly hydraulically driven Banjo Pump 1" Akron brass nozzle & 50 feet hose 40 gallons per minute max capacity	US \$5,200.00
Standard Duty Stainless Steel Belting – Replaces Standard Duty Galvanized Belting	US \$2,930.00
Flights on Harvesting Head Belting: Helps convey small weeds and debris up Harvesting Head	US \$480.00
Custom Colour: Standard Colour is RAI. 2009 Safety Orange	US \$3,500.00
Spare Parts Package 30' (9 m) of galvanized conveyor belting, or 13' (4 m) of Stainless. 12 belt connecting rods. 25 knife sections, 5 rock guards, 5 plastic & 5 steel hold down clips with fasteners. 2 conveyor drive bearings and 2 Pitman arm bearings. 2 high pressure hydraulic filter elements. 2 low pressure hydraulic filter elements. 2 engine oil filter elements. 2 fuel filter elements.	US \$1,770.00







Inland Lake Harvesters, Inc.

P.O. Box 225 Burlington, WI 53105
Phone: 262-763-3620 / Fax: 262-763-6952
Email: inland@inland-lake.com
www.inlandlakeharvesters.com

February 13, 2014

Mike Stephenson
Big Bear Municipal Water District
Ph: 909-289-5157
Email: mstephenson@bbmwd.net

Dear Mr. Stephenson,

The ILH9-650 is a very heavy duty harvester with contract quality. This harvester is excellent for removing heavy weed density of all types. The ILH9-650 can be purchased with a stainless steel hull or a mild steel hull with an epoxy finish over a sandblasted finish.

ILH9-650 HARVESTER AND SUPPORT EQUIPMENT:

HARVESTER: ILH 9-650:

Mild Steel Hull:	\$158,675.00
Stainless Steel Hull: (Optional)	\$176,750.00

SUPPORT EQUIPMENT:

Standard Trailer: (w/lights, brakes, winch, and suspension /3 axles)	\$20,187.50
---	-------------

The ILH 9-650 comes standard with an Isuzu engine or optional Hatz diesel engine, Cummins or Kubota engine.

The above prices do not include shipping.

After reviewing and if you have any more questions please contact us.

Sincerely,
Dennis Cole, President

Inland Lake Harvesters, Inc.

ILH9-650 Aquatic Plant Harvester



Specifications:

Dimensions:	Length Overall.....	42' (12.8 m)
	Shipping Width.....	10'4" (3.15 m)
	Shipping Height.....	10' (3.05 m)
	Weight.....	14,000 lbs (6350 kg)
	Operating Width.....	15'6" (4.7 m)
	Operating Height.....	9' (2.74 m)
Flotation:	Barge Length.....	26' (7.92 m)
	Barge Width.....	10' (3.05 m)
	Barge Height.....	2' (609 mm)
	Watertight Compartments.....	13
	Harvester Draft, empty.....	1' (305 mm)
	Harvester Draft, max load.....	2' (610 mm)
	Barge Protection.....	4x4 UV Protected plastic runners

Hull: Construction..... Mild Steel (Optional Stainless Steel)

Power System & Control Bridge:

Engine..... 33.3 Hp.,
 Water Cooled, Isuzu Diesel w/High Temp & Low Oil Pressure Shut Downs
 (Other Engines Available Upon Request.)
 Paddle Wheel Lifter..... Jib Crane (Optional)
 Hydraulic Pump..... Pressure Compensated
 Hydraulic Reservoir..... 20 US Gallons (75 L)
 Systems Capacity..... 35 US Gallons (132 L)
 Fuel Tank..... 20 US Gallons (75 L)
 Bimini Top..... STD
 Operator's Seat..... Adjustable w/armrests
 Hydraulic Controls..... "Fingertip" Manual Levers
 Power System Controls..... Indicator Instrumentation

Harvesting Head:

Cutting Width..... 9' (2.74 m)
 Cutting Depth..... 5.5'-6' (1.65-1.82 m)
 Horizontal Knives..... Reciprocating 3" Stroke 3" wide, Zinc Plated (75 mm)
 Vertical Knives..... Same as above, both sides
 Impact Absorption..... Pivoted Swing Suspension
 Belting..... Stainless Steel Standard
 Fastenings..... Adjustable Belt Tensioners, Stainless Steel

Two-Stage Storage/Unloading System:

Maximum Volume..... 680 Cubic Feet (18.41 cu. m)
 Maximum Capacity..... 9997 lbs. (4534 kg)
 Unloading Height/Hydraulic Adjustable Up To..... 5'6" (1.67 m)
 Unloading Time..... 75 - 120 Seconds
 Belting..... Heavy Duty, Galvanized w/6 gage rods
 Fastenings..... Adjustable Belt Tensioners, Stainless Steel

Propulsion:

Dual Paddle Wheels..... Easily Removable Hydraulically Driven Independently Reversible
 Paddle Wheel Diameter..... 5'2" (1.57 m)
 Paddle Wheel Width..... 2'6" (762 mm)
 Paddle Wheel Speed..... Variable RPM

Anti-Corrosion System:

High Impact, Epoxy w/Urethane Top Coat Over A Sandblasted Substrate
 Protection Color..... High Visibility Aqua-Green