

***MINUTES OF A SPECIAL MEETING WORKSHOP OF
BIG BEAR MUNICIPAL WATER DISTRICT
HELD ON WEDNESDAY, FEBRUARY 29, 2012***

CALL TO ORDER

The Open Session workshop began at 9:00 AM. Those in attendance included President Eminger, Director Fashempour, Director Murphy, Director Suhay, Director Smith, General Manager Scott Heule, Lake Manager Mike Stephenson, and Board Secretary Vicki Sheppard.

Public Present: Jack Williams, John Saunders, Serena Saunders.

DISCUSSION OF CALENDAR YEAR 2012 ACTIVITIES & STRATEGIC PLANNING

Mr. Heule made a brief introduction reviewing the attached memorandum from MWH dated May 14, 2010 regarding "Results of Big Bear Municipal Water District Facilitated Workshop – Big Bear Lake Conceptual Master Plan". He made a PowerPoint presentation reviewing the District's Mission Statement and itemizing what the District is doing (see attached). He asked whether or not the Mission Statement should be revised to more specifically address things the District is now doing. It was agreed that the Mission Statement is the first place we need to consider (is it applicable and workable or should it be changed). Director Smith explained that he doesn't think the statement is too broad or extensive adding that he believes the Mission Statement of 1964 is still applicable and more than adequate. Director Suhay agreed commenting "it's not broken so don't fix it". Director Murphy stated that many things that the District is now doing are not specifically addressed in the Mission Statement for example "Kool Kids and RV park rentals". Director Suhay explained that he doesn't feel we need to change the Mission Statement in order to address these specific things. Mr. Heule commented that "for Recreation and Wildlife" is a very broad term as compared to "Stabilize the Level of Big Bear Lake" which is very exact. Director Smith commented that "recreation" is a very broad term and therefore could encompass our water sales to ski areas as well as our being the landlord for Big Bear Marina. Director Fashempour asked if the Mission Statement addresses "District survival". Mr. Heule reported that we cannot ignore monetary survival as part of our mission. Director Smith stated that he believes we need to look at the District as a business explaining that we can have great ideas but no funding tied to them (no funds to pay for them). President Eminger agreed that RV rentals and selling water to the ski areas are definitely income. Mr. Heule explained that these sources of income will help but won't make up for the loss in property tax revenue. He commented that we need to address other alternative sources of revenue. It was the consensus of the Board that there should be no change to the Mission Statement.

Issues and priorities were discussed in detail. Mr. Jack Williams suggested that instead of making one list of tasks and priorities that we make a list of Immediate Tasks and Ongoing/Concurrent Tasks and it was agreed to make the two separate lists (see attached). The following items were discussed in detail:

- The Foundation as a funding source with dam tours and duck food vending at the boardwalk.
- Grant sharing possibilities with the City, County, Fish & Game, etc.
- District staffing and succession with the possibility of sending an existing employee to school to train for one of the positions to be lost to retirement.
- The Trout Pond to be used to raise trout for fish plants, tournament sales, pan fish for Kool Kids, sediment basin, event location, etc. Mike Stephenson was asked to do some

rough calculations for fish rearing and dredge volumes so plans can be made to move forward on the Trout Pond property.

- Funding and increasing revenue (renting the carp boat & operator, single car parking charge at the ramps, Kool Kids, sell fishing licenses, tows on the lake, etc.).

Mr. Heule discussed Redistricting. He reported that 2010 census information shows the District population is now nearly 18,000 (down from about 20,000 in 2000). He explained that the target number of residents per Division is 3600. He added that most of that decline occurred in Divisions 1 & 2 and the overage occurred mostly in Division 5 (about 400 over). He reported that Mike Stephenson would be working on new boundary possibilities and would have something more for the Administrative Committee to look next week and then for the full Board to consider at the next Board of Directors meeting on March 15th.

ADJOURNMENT

There being no further business, the meeting was adjourned at 2:05 P.M.

NEXT MEETING

Open Session at 1:00 P.M.
Thursday, March 1, 2012
Big Bear Municipal Water District
40524 Lakeview Drive, Big Bear Lake, CA



Vicki Sheppard
Secretary to the Board
Big Bear Municipal Water District

(SEAL)



MWH

BUILDING A BETTER WORLD

MEMORANDUM

TO: Scott Heule, General Manager DATE: 14 May 2010
Big Bear Municipal Water District

FROM: Simon Bluestone and Sarah Garber CC: File
MWH

SUBJECT: **Results of Big Bear Municipal Water District (District)
Facilitated Workshop – Big Bear Lake Conceptual Master Plan**

Introduction

This technical memorandum provides a summary of the subject workshop and serves to memorialize the main thoughts and opinions expressed by District Board members and staff. This memorandum also provides the District with a conceptual screening matrix, built from the most important prioritized objectives that were expressed by workshop participants, to help District staff subjectively screen potential projects that may be considered for implementation at Big Bear Lake.

Meeting Agenda, Objectives and Pre-work

The workshop was held on Friday, 30 April 2010 between 930 am and 100 pm and was facilitated by Sarah Garber and Simon Bluestone of MWH. The meeting attendees and agenda are presented as **Attachment A**. The meeting objectives were to review the 2001/2002 Conceptual Master Plan and determine whether it is still consistent with the District's current vision and priorities and secondarily, to brainstorm, review and prioritize potential projects. The pre-work for the Directors and Staff participating in the workshop was provided by Mr. Scott Heule (General Manager) and is presented as **Attachment B**.

Subjective Project Screening Matrix

As requested by the District, a simplified qualitative project screening matrix is presented as **Attachment C**. The matrix identifies the key objectives and sub-objectives that were stated to be most important to the District. While each of these were stated to be important, the workshop discussion produced a qualitative ranking of relative importance (1 = most important). Subjective judgment is required to consider tradeoffs between the objectives and sub-



objectives for a hypothetical project that may be under consideration. An example of how this screening matrix could be used by the District staff as an initial qualitative screening tool is presented as **Attachment D**. This matrix is helpful to remind District staff of the Directors' primary interests and should be used as a preliminary screening tool, prior to more detailed qualitative and quantitative technical evaluation.

Graphics

A number of poster boards were prepared and delivered to the District, including:

- 1) Generalized site map of Big Bear Lake highlighting key features.
- 2) Watershed Map of Big Bear Lake and surrounding area.
- 3) Set of Figures depicting U.S. Army Corps of Engineers proposed projects.

Summary of Workshop Output

This remainder of this memorandum provides the output generated during the workshop. The material is presented in a manner that follows the agenda sequence and has been graphically represented to show the relationships between key topics and subtopics.

Attachments

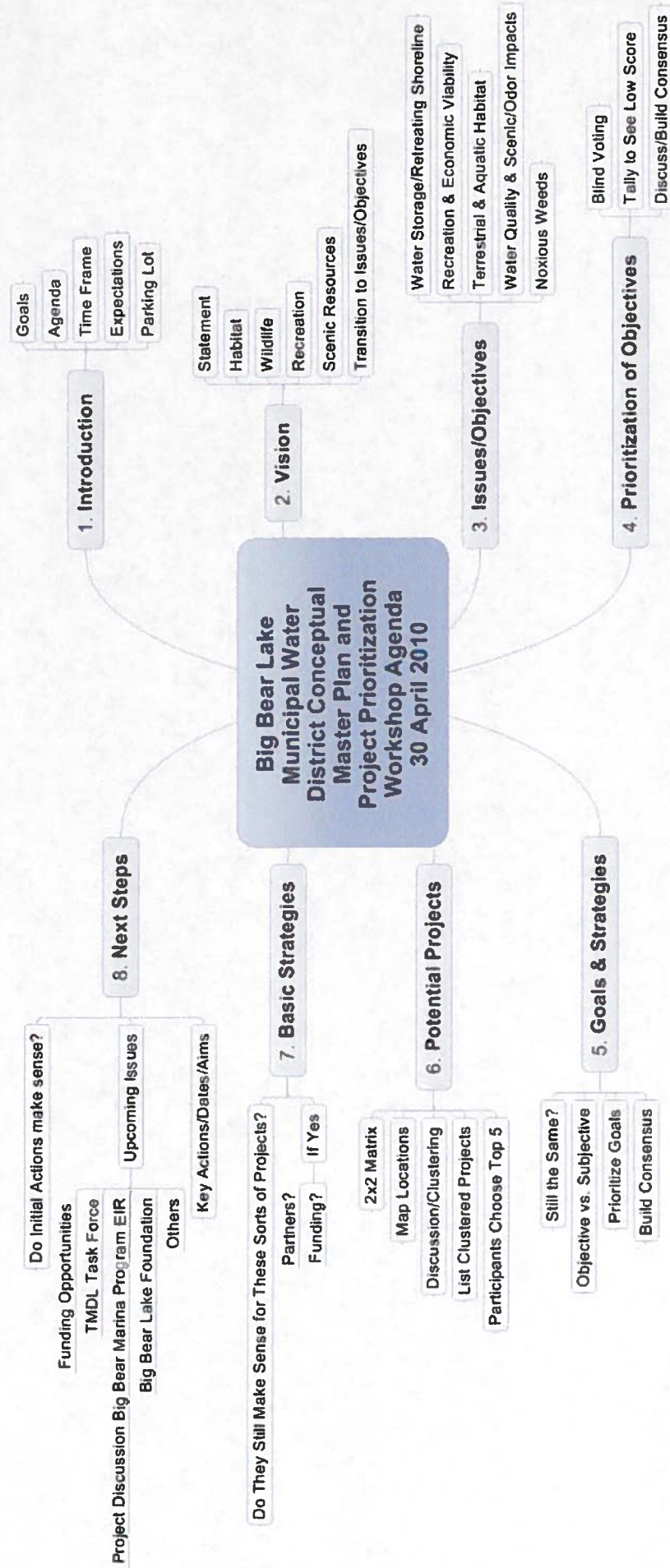
- A – Meeting Attendees and Agenda
- B – Meeting Pre-work Memo
- C – Qualitative Initial Project Screening Matrix
- D – Hypothetical Project Screening Example



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MEMORANDUM

1.0 INTRODUCTION





Agenda

1. Introduction
 - 1.1 Goals
 - 1.2 Agenda
 - 1.3 Time Frame
 - 1.4 Expectations
 - 1.5 Parking Lot
2. Vision
 - 2.1 Statement
 - 2.2 Habitat
 - 2.3 Wildlife
 - 2.4 Recreation
 - 2.5 Scenic Resources
 - 2.6 Transition to Issues/Objectives
3. Issues/Objectives
 - 3.1 Water Storage/Retreating Shoreline
 - 3.2 Recreation & Economic Viability
 - 3.3 Terrestrial & Aquatic Habitat
 - 3.4 Water Quality & Scenic/Odor Impacts
 - 3.5 Noxious Weeds
4. Prioritization of Objectives
 - 4.1 Blind Voting
 - 4.2 Tally to See Low Score
 - 4.3 Discuss/Build Consensus
5. Goals & Strategies
 - 5.1 Still the Same?
 - 5.2 Objective vs. Subjective
 - 5.3 Prioritize Goals
 - 5.4 Build Consensus
6. Potential Projects
 - 6.1 2x2 Matrix
 - 6.2 Map Locations
 - 6.3 Discussion/Clustering
 - 6.4 List Clustered Projects
 - 6.5 Participants Choose Top 5
7. Basic Strategies
 - 7.1 Do They Still Make Sense for These Sorts of Projects?
 - 7.2 If Yes



- 7.2.1 Partners?
 - 7.2.2 Funding?
- 8. Next Steps
 - 8.1 Do Initial Actions make sense?
 - 8.2 Upcoming Issues
 - 8.2.1 Funding Opportunities
 - 8.2.2 TMDL Task Force
 - 8.2.3 Project Discussion Big Bear Marina Program EIR
 - 8.2.4 Big Bear Lake Foundation
 - 8.2.5 Others
 - 8.3 Key Actions/Dates/Aims
- 9. Success Stories

1.4 Expectations



1. Set High Level Understanding of Projects
1.1 Future Detail Preview
2. Come Away and See Accomplishment of Projects Already Done
3. Plan/Prioritization of Projects 20-30 years
4. Funding Sources
5. Potential to Use What We Have/Not Reinventing the Wheel/Reuse Ideas
6. ID Specific Projects/Funding
7. Framework to Rank Projects
8. Define Public Focus Projects/Lake Access



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MEMORANDUM

1.5 Parking Lot

A place to capture topics, ideas or issues that may not be directly related to the workshop agenda.



- 1 Boardwalk
- 2 Structural BMPs/Use Plants for Erosion Control
- 3 Lake Boating Destinations
- 4 Lake Foundation
- 5 Need to Stay Flexible
 - 5.1 Strategically Opportunistic
 - 5.2 Partners with Needs and Funding Opportunities
 - 5.2.1 e.g., Rock/Cal Trans, East End Dredge/Landfill Cap Needs



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2.0 VISION

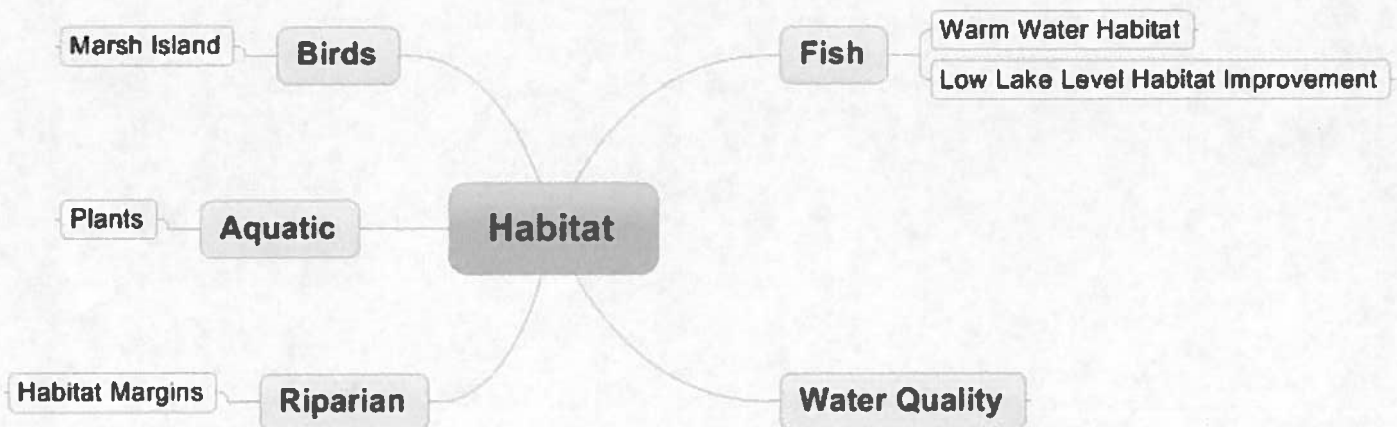
2.1 Statement

Restated Vision Statement

The Big Bear Lake Vision is a beautiful alpine lake that will provide extensive habitat for fish and wildlife, a broad range of recreational opportunities for people from throughout the Western United States and is a scenic resource that is appreciated by residents and visitors alike.



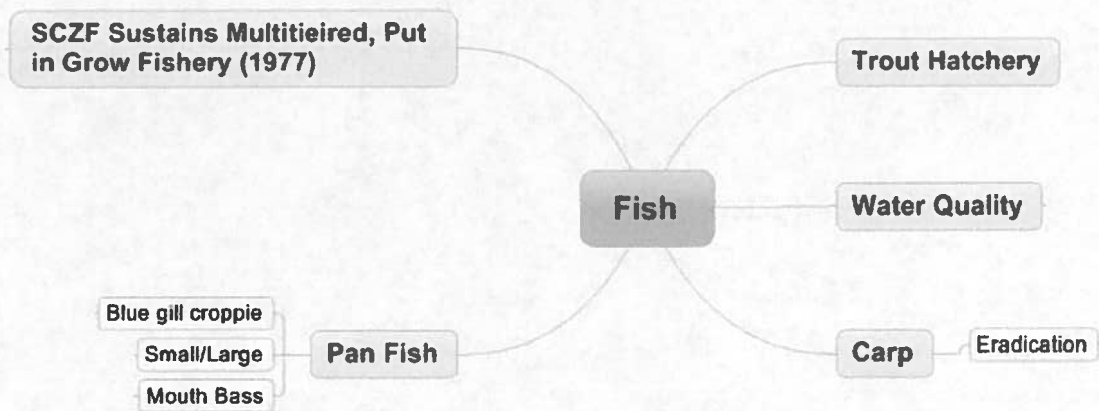
2.2 Habitat



- Fish
 - Warm Water Habitat
 - Low Lake Level Habitat Improvement
- Water Quality
- Riparian
 - Habitat Margins
- Aquatic
 - Plants
- Birds
 - Marsh Island



2.2 Habitat (continued)

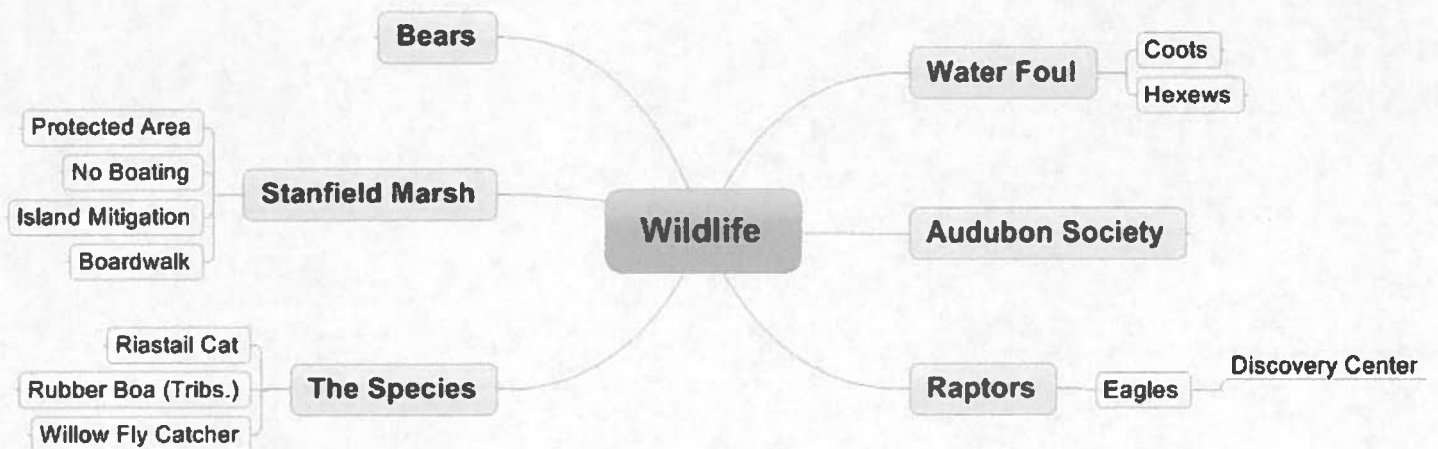


FISH

- Trout Hatchery
- Water Quality
- Carp
 - Eradication
- Pan Fish
 - Blue gill croppie
 - Small/Large
 - Mouth Bass
- SCZF Sustains Multitiered, Put in Grow Fishery (1977)



2.3 Wildlife

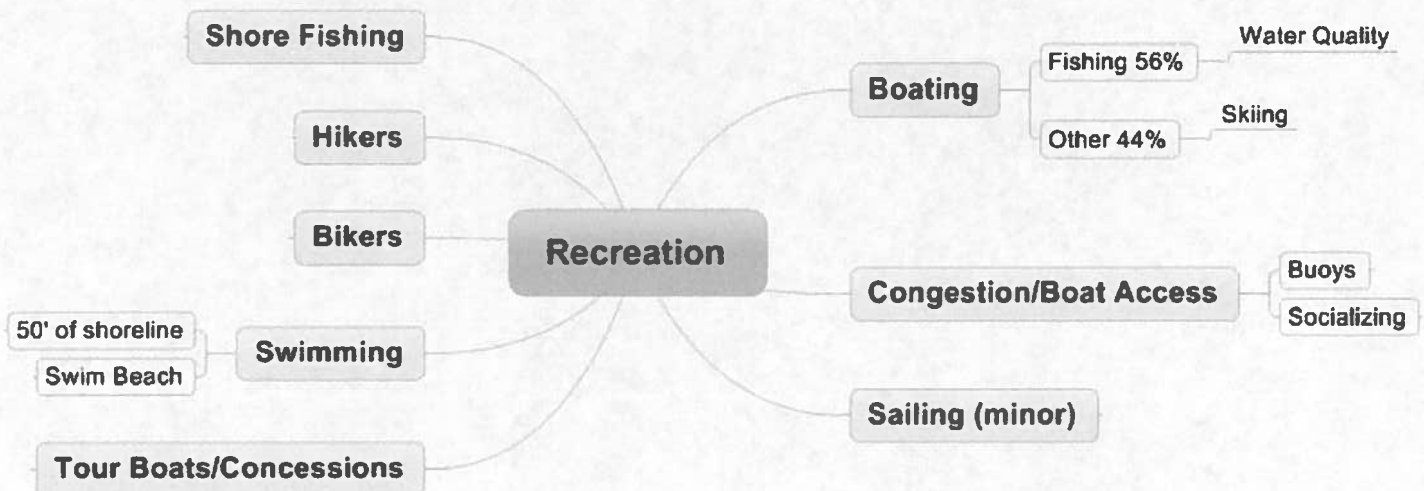


WILDLIFE

- Water Fowl
 - Coots
 - Hexews
- Audubon Society
- Raptors
 - Eagles
 - Discovery Center
- The Species
 - Riastail Cat
 - Rubber Boa (Tribes.)
 - Willow Fly Catcher
- Stanfield Marsh
 - Protected Area
 - No Boating
 - Island Mitigation
 - Boardwalk
- Bears



2.4 Recreation



RECREATION

- Boating
 - Fishing 56%
 - Water Quality
 - Other 44%
 - Skiing
- Congestion/Boat Access
 - Buoys
 - Socializing
- Sailing (minor)
- Tour Boats/Concessions
- Swimming
 - 50' of shoreline
 - Swim Beach
- Bikers
- Hikers
- Shore Fishing

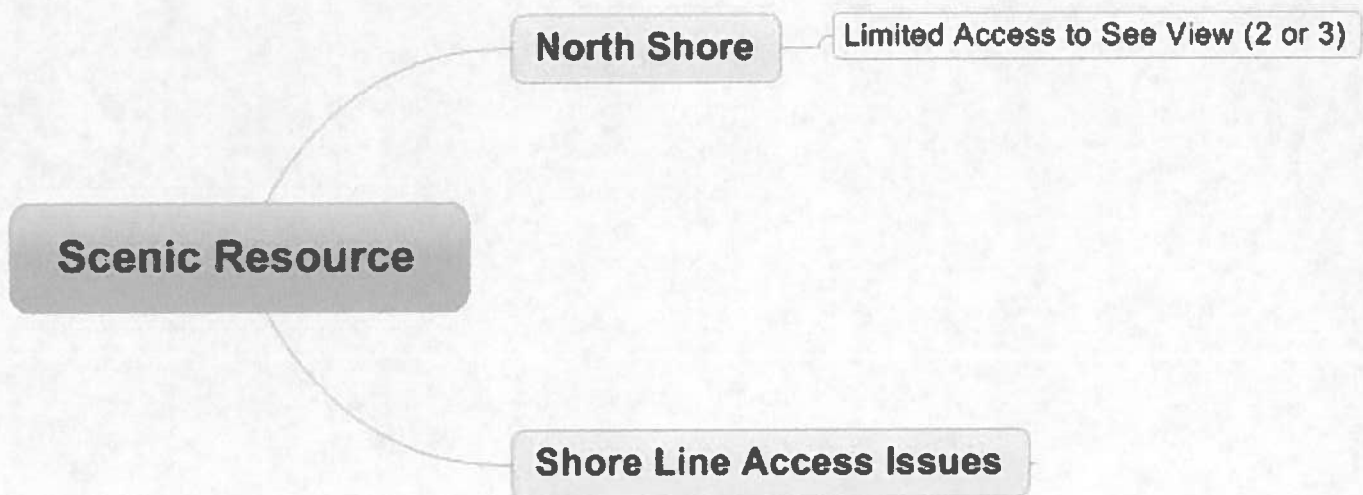


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MEMORANDUM

2.5 Scenic Resource



SCENIC RESOURCE

- North Shore
 - Limited Access to See View (2 or 3)
- Shore Line Access Issues

2.6 Transition to Issues/Objectives

WORKSHOP PROCESS FLOW



Workshop will first address issues and objectives, then revisit goal, to ensure discussion reflects current situation.

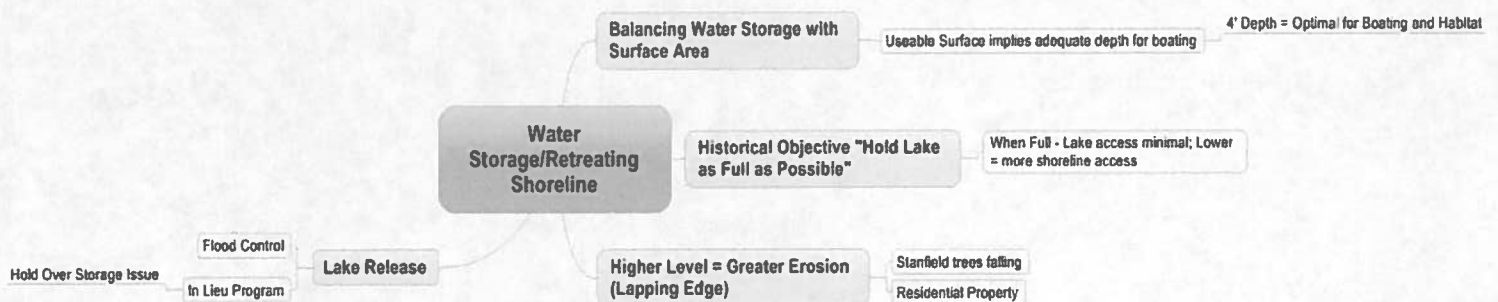


BUILDING A BETTER WORLD

MEMORANDUM

3.0 ISSUES AND OBJECTIVES

3.1 Water Storage/Retreating Shoreline

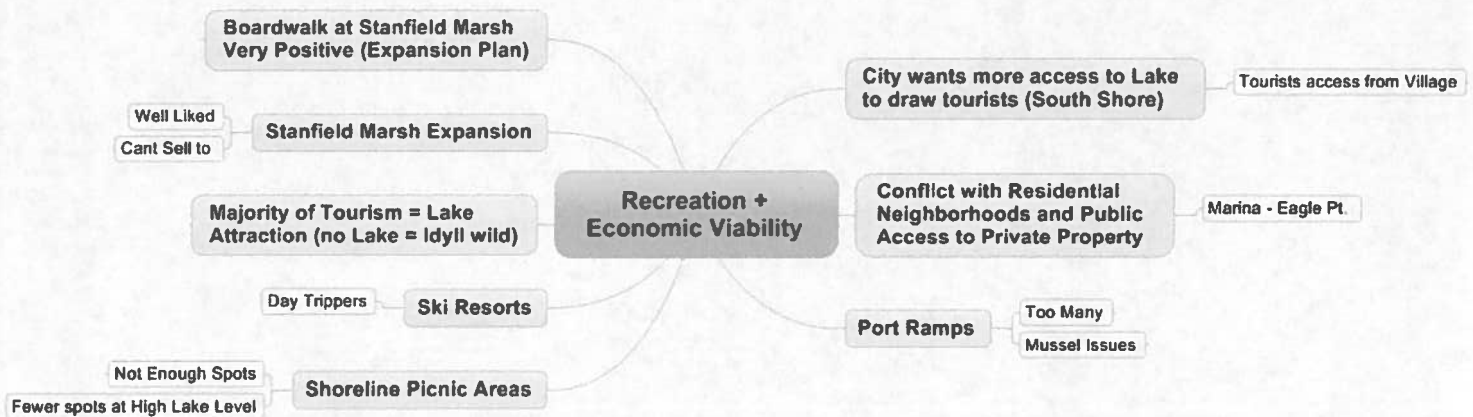


WATER STORAGE/RETREATING SHORELINE

- Balancing Water Storage with Surface Area
 - Useable Surface implies adequate depth for boating
 - 4' Depth = Optimal for Boating and Habitat
- Historical Objective "Hold Lake as Full as Possible"
 - When Full - Lake access minimal; Lower = more shoreline access
- Higher Level = Greater Erosion (Lapping Edge)
 - Stanfield trees falling
 - Residential Property
- Lake Release
 - Flood Control
 - In Lieu Program
 - Hold Over Storage Issue



3.2 Recreation and Economic Viability

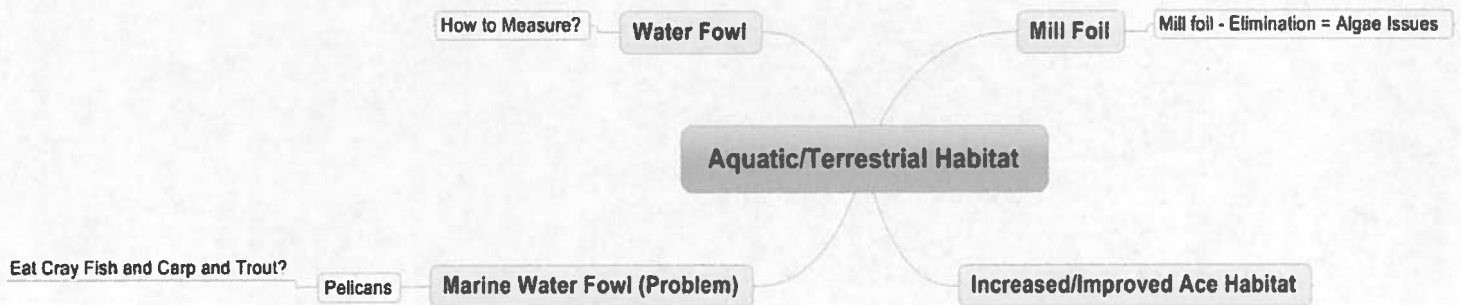


RECREATION AND ECONOMIC VIABILITY

- City wants more access to Lake to draw tourists (South Shore)
 - Tourists access from Village
- Conflict with Residential Neighborhoods and Public Access to Private Property
 - Marina - Eagle Pt.
- Port Ramps
 - Too Many
 - Mussel Issues
- Shoreline Picnic Areas
 - Not Enough Spots
 - Fewer spots at High Lake Level
- Ski Resorts
 - Day Trippers
- Majority of Tourism = Lake Attraction (no Lake = Idyll wild)
- Stanfield Marsh Expansion
 - Well Liked
 - Can't Sell to
- Boardwalk at Stanfield Marsh Very Positive (Expansion Plan)



3.3 Aquatic and Terrestrial Habitat



AQUATIC AND TERRESTRIAL HABITAT

- Mill Foil
 - Mill foil - Elimination = Algae Issues
- Increased/Improved Ace Habitat
- Marine Water Fowl (Problem)
 - Pelicans
 - Eat Cray Fish and Carp and Trout?
- Water Fowl
 - How to Measure?

3.4 Water Quality and Scenic/Odor Impacts

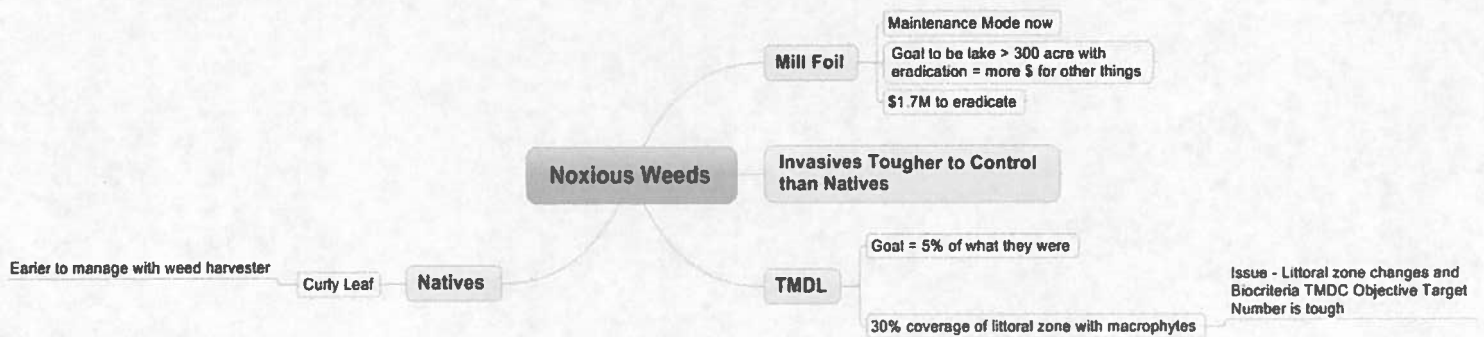


Water Quality

- Water Clarity
 - Comparison with Arrowhead + Tahoe
- Public Perception
 - Influenced by Areas they access (Poorest Quality)
 - Vocal "Complainers"
 - Limited Understanding of Natural State
 - Water Quality Better than Public Perception
- Destratification Issues
- Odor
 - Shoreline Issues
 - Shallow Stagnant Water + Decaying Plants
- TMDL - Concept Mater Plan Predated
 - Mutual Success Potential



3.5 Noxious Weeds



Noxious Weeds

- Mill Foil
 - Maintenance Mode now
 - Goal to be lake > 300 acre with eradication = more \$ for other things
 - \$1.7M to eradicate
- Invasives Tougher to Control than Natives
- TMDL
 - Goal = 5% of what they were
 - 30% coverage of littoral zone with macrophytes
 - Issue - Littoral zone changes and Biocriteria TMDC Objective Target Number is tough
- Natives
 - Curly Leaf
 - Earlier to manage with weed harvester

**4.0 PRIORITIZATION****PRIORITIZATION OF OBJECTIVES**

Primary Objectives to Address Issues Associated with Run-off and Sedimentation	Current Conditions/Notes/Prioritization	
	Score	Rank
A. Create more deeper/retraining water in lake efficient <u>water storage</u> and flood control.	42	6
Control incoming <u>sediment</u> and remove existing sediment.	24	2
B. Expand public access to the Lake and improve lakeside <u>recreational</u> opportunities (picnic, bike path, pedestrian, fishing, interpretive areas).	36	5
C. Control incoming <u>sediment</u> and remove existing sediment.	24	2
D. Utilize dredged Lake bottom material for construction projects that provide wildlife <u>habitat</u> areas, enhance public use areas or offer other public benefits.	30	4
E. Utilize dredged Lake bottom material for construction projects that provide wildlife <u>habitat</u> areas, enhance public use areas or offer other public benefits.	30	4
F. Improve water quality.	18	1
G. Eradicate noxious aquatic plants.	28	3
H. Improve water quality.	18	1
I. Expand public access to the Lake and improve lakeside <u>recreational</u> opportunities (picnic, bike path, pedestrian, fishing, interpretive areas).	36	5

5.0 GOALS AND STRATEGIES

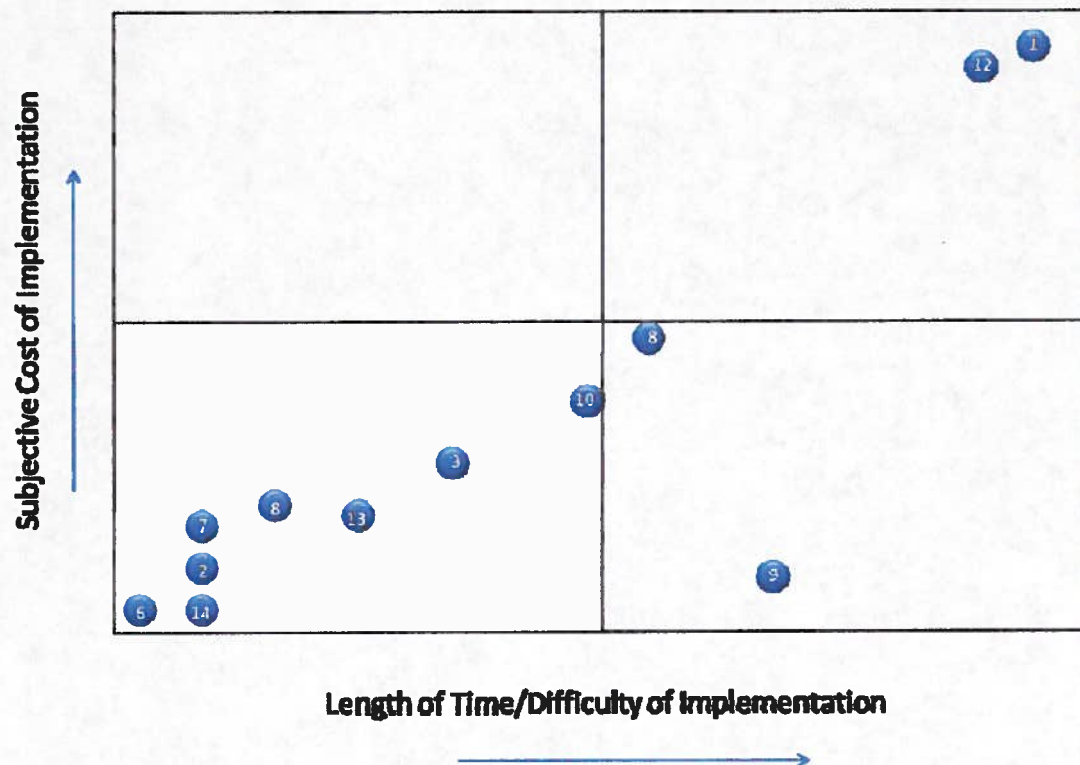
PRIORITIZATION OF GOALS

The District's Goals	Current Conditions/Notes/Prioritization
	Rank
Stabilizing surface elevation of the Lake.	4
Maintenance and Management of the Lake's water quality.	1
Maintenance and management of the Lake's wildlife habitat.	2
Management of recreational access to the Lake.	3

**6.0 POTENTIAL PROJECTS****BRAINSTORM OF POTENTIAL PROJECTS**

Prioritized Summary of Project Brainstorm	Votes
1. Stanfield Crossing Recreation and Improvement Project -- Highest long term priority	Assumed as Highest Priority -- No Votes --
2. Expand Fish Cages	7
3. Purchase Trout Pond	7
4. Picnic Areas North Shore	6
5. Dredging <ul style="list-style-type: none">a. Grout Bayb. Concept with Islandsc. East Endd. Meatealf	a. 6 b. 3 c. 1 d. 0
6. Environmental Landscaping at East Ramp	5
7. Marina Dredge	3
8. Kill Millfoil All	3
9. South shore ramp	3
10. Control Sediment inflow	3
11. Improve Boardwalk	3
12. Purchase and haul away	0
13. Continue Stanfield Marsh Improvement	0
14. Complete 5/N Public Transfers	0

6.0 POTENTIAL PROJECTS (continued)



Projects identified on wall map. Numbers refer to list of potential projects from Section 6.0.



7.0 BASIC STRATEGIES

Reaffirmation of Basic Strategies

- ❖ Looking at project clusters – aggregating subareas as an intermediate step toward looking at the entire lake. This makes it easier to see interrelationships between respective project sub-areas and to prioritize specific projects. Six geographic subareas were identified, which I'll show in a minute.
- ❖ Form collaborative partnerships – during the first years of preparation for implementing specific improvement projects, partnerships will serve to shape the scope of the projects to meet a broader set of goals, encompassing more stakeholder concerns, desires and opportunities. This allows better alignment with funding opportunities. Consider creation of Big Bear Lake Foundation as a non-profit 501C organization, with a District selected group of leaders to further projects that would benefit the Lake and the District.
- ❖ Potential stakeholders: USACOE, CA Dept of Fish and Game, BBMWD, BB Valley Rec and Park District, USDA Forest Service, San Bernardino Co Flood Control District, City of BB Lake, US Fish and Wildlife Service, Bear Valley Trails Coalition, City of Big Bear Lake, San Bernardino National Forest Association.
- ❖ Make key land acquisitions – costly but essential component to several of the projects. Prudent to maximize benefit of the selected lands. Above strategies help maximize potential benefits from this investment.



8.0 NEXT STEPS

- ❖ Educate District Board members on the details of the TMDL work plans (what alternatives they are proposing, why they are being proposed, where and when they are proposed to be built, cost implications).
- ❖ Develop focus and mechanism (assign in house staff, hire grant writer, issue RFP for services, etc.) for pursuing grant funding, matching the funding streams with potential projects and focusing lobbying efforts on desired projects.
- ❖ Define and develop project description for Program EIR for Marina Dredge Project and other related projects. Evaluate maintenance dredge projects in key locations. Consider dredge and in-Lake beneficial reuse options (habitat islands, phased sediment placement for the expansion of Stanfield Crossing Restoration and Improvement Project "Project SCRIP", etc) with enough specificity to leverage benefits of Program EIR



9.0 SUCCESS STORIES



SUCCESS STORIES

- Raised Board Walk
- Habitat Island in Stanfield Marsh
- Trout Hatchery + Fishery in General
 - Aerator Destratifier
- Mill Foil Removal/Native Improvements (now maintenance)
- Shoreline Picnic Areas
- East End Dredge
 - Extended ramp, 220 kyd3 Sediment Removed, No Weed Returned
 - Landfill Took Sediment (have current needs 44kyd3)
- in Lieu Agreement
- No Fish Kills Since 2004
- Carp Eradication

Attachment A
BBMWD Board Workshop Agenda
30 April 2010
9:30 am – 1:00 pm

District Attendees and Facilitators:

BBMWD Board Members	BBMWD Staff	MWH
Paula Fashempour (President)	Mike Stephenson (Lake Mgr)	Sarah Garber
Skip Suhay (Vice President)	Scott Heule (General Mgr)	Simon Bluestone
Todd Murphy (Director)	Travis Carroll (Lake Ops Sup)	
Vince Smith (Director)	Carrie Shirreffs (Finance Mgr)	
John Eminger (Director)		

Public Participants: Jack Williams

Objectives:

- To review the 2001/2002 Conceptual Master Plan and determine whether it is consistent with the District's current vision and priorities.
- To review and prioritize potential projects.

Agenda:

<i>Topic</i>	<i>Timeframe</i>
Introduction	0930 am – 0945 am
Vision Reconfirmation	0945 am – 1000 am
Issues and Objectives	1000 am – 1030 am
<i>Break</i>	1030 am – 1045 am
Issues and Objectives Continued	1045 am – 1130 am
<i>Lunch</i>	1130 am – 1200 pm
Goals and Strategies	1200 pm – 1240 pm
Next Steps	1240 pm – 100 pm

Attachment B – Pre-work for Board Workshop

BIG BEAR MUNICIPAL WATER DISTRICT

Memorandum

To: Directors

CC: Mike Stephenson, Travis Carroll and Carrie Shirreffs

From: Scott Heule

Date: 5/14/2010

Re: April 30, 2010 Workshop Preparation

In order to be as productive as possible during the upcoming April 30, 2010 planning workshop I have attached two documents for your review. Both of these were prepared by earlier Boards. One is the Big Bear Lake Conceptual Master Plan and the second is the Big Bear Lake Rehabilitation & Enhancement Plan. As you study each of these please take some notes and consider your answers to the following questions in order to get the creative and thoughtful juices flowing.

For the Conceptual Master Plan

1. Overall, does the plan still resonate? Is it still mostly representative of where we are or where we want to go?
2. What about the VISION? Is it too big, too small, just right or do we need to start over?
3. Nine ISSUES are described on pages 4 and 5. Nine years later has progress been made on these? Are we gaining on the issues or just treading water? Can we say the issues listed are a complete list or do we need to expand, contract, reorganize the list?
4. KEY OBJECTIVES are intended to be used to vet proposed projects and help prioritize them based on their predicted outcomes/benefits towards achieving the VISION. Can these still be used to screen STRATEGIES (page 8)?
5. All potential projects identified in STRATEGIES fell into one of four proposed INITIAL BMWWD ACTIONS. Has the District followed through on these? Do the actions need revision or are they still the important ones?

Attachment B – Pre-work for Board Workshop (concluded)

After the Conceptual Master Plan was prepared a kind of brochure was prepared to describe to the community what the District wanted to do. The Big Bear Lake Rehabilitation & Enhancement Plan (copy attached) is the brochure. It describes in general terms the problems caused by shallow water levels and sedimentation in the Lake. It again describes BASIC ACTION STRATEGIES including looking at Project Clusters, Forming Collaborative Partnerships and making Key Land Acquisitions. Read over this second document to see if it can be remodeled for use if a new approach is needed and what form it should take.

Finally, a photo of White Board notes recorded during what I assume was a Board Workshop meeting might provide insights into how discussions went during the workshop and what earlier Board members were thinking.

Attachment C - Qualitative Initial Project Screening Matrix

Big Bear Municipal Water District
Basis Developed From 30 April 2010 Board Workshop

Priority	Objective	Sub-Objectives	Subjective Ranking Classification			Comments
			Beneficial (yes/no)	Detrimental (yes/no)	Unknown	
1	Improve Water Quality	(1) Improve water clarity				
		(2) Manage water level				
		(3) Reduce odors				
2	Control incoming sediment and remove existing sediment	(1) Removes existing sediment from Lake				
		(2) Minimizes incoming sediment load				
		(3) Provides for beneficial reuse of removed / captured sediments				
		(4) Avoids undesirable sediment distribution				
		(5) Sequesters contaminant load in sediments				
3	Eradicate noxious aquatic plants	(1) Reduce millfoil acreage				
		(2) Encourage native macrophytes in suitable locations				
4	Utilize dredged lake bottom material for construction projects that provide wildlife habitat areas, enhance public use areas or offer other public benefits.	(1) Enhances trout fishery				
		(2) Enhances warm water fishery				
		(3) Enhances water fowl and riparian bird habitat				
		(4) Enhances Eagle habitat				
5	Expand public access to the Lake and improve lakeside recreational opportunities (picnic, bick path, pedestrian, fishing, interpretive areas).	(1) Maintain or improve boating opportunities for fishing				
		(2) Maintain or improve boating opportunities for fishing				
		(3) Increase shoreline access for picnicing, parking, walking, shoreline fishing, viewing Lake at waterfront				
		(4) Expands raised boardwalk network				
		(5) Provides additional bike access				
		(6) Does not increase number of boat ramps				
6	Creates more efficient water storage and flood control	(1) Maintain useable surface area				
		(2) Maintain flood control				
		(3) Don't conflict with in-lieu program				
		Totals Project Scores				

Attachment D - Hypothetical Project Screening Example Using Qualitative Initial Project Screening Matrix - Marina Dredge Project

Big Bear Municipal Water District
Basis Developed From 30 April 2010 Board Workshop

Priority	Objective	Sub-Objectives	Subjective Ranking Classification			Comments
			Beneficial (yes/no)	Detrimental (yes/no)	Unknown	
1	Improve Water Quality	(1) Improve water clarity	Yes	No	X	May improve water clarity locally if less turbidity created
		(2) Manage water level	Yes	No		Provides additional storage capacity
		(3) Reduce odors	Yes	No		Deeper near shore water
2	Control incoming sediment and remove existing sediment	(1) Removes existing sediment from Lake	Yes	No		Approximately 23,000 cubic yards if fully implemented
		(2) Minimizes incoming sediment load	No	No		
		(3) Provides for beneficial reuse of removed / captured sediments	Yes	No		Reuse dredged materials to extend Marina jetty
		(4) Avoids undesirable sediment distribution	Yes	No		
		(5) Sequesters contaminant load in sediments	Yes	No		
3	Eradicate noxious aquatic plants	(1) Reduce millfoil acreage	Yes	No		In areas where deepened, may do so
		(2) Encourage native macrophytes in suitable locations	No	No	X	High traffic boat area, native macrophytes not encouraged here
4	Utilize dredged lake bottom material for construction projects that provide wildlife habitat areas, enhance public use areas or offer other public benefits.	(1) Enhances trout fishery	Yes	No		Potential improvement to hatchery conditions
		(2) Enhances warm water fishery	No	No	X	May not do so locally
		(3) Enhances water fowl and riparian bird habitat	No	No	X	High traffic boat area, limited waterfowl habitat here
5	Expand public access to the Lake and improve lakeside recreational opportunities (picnic, bike path, pedestrian, fishing, interpretive areas).	(4) Enhances Eagle habitat	No	No	X	Raptors feed in area but Eagle habitat on N shore of Lake
		(1) Maintain or improve boating opportunities for fishing	Yes	No		Greater access, improved safety
		(2) Maintain or improve boating opportunities for fishing	Yes	No		Longer jetty, expanded Marina dock area
		(3) Increase shoreline access for picnicing, parking, walking, shoreline fishing, viewing Lake at waterfront	Yes	No		
		(4) Expands raised boardwalk network	No	No		But Increases walkway access around Lake (jetty extension)
		(5) Provides additional bike access	No	No		
6	Creates more efficient water storage and flood control	(6) Does not increase number of boat ramps	Yes	No		May increase boat access traffic at Marina (desireable feature)
		(1) Maintain useable surface area	Yes	No		
		(2) Maintain flood control	Yes	No		Additional storage capacity created.
		(3) Don't conflict with in-lieu program	Yes	No		Additional storage capacity created.
		Totals Project Scores	Yes (17) No (6)	Yes (0) No (22)	5	Project is desirable and aligns strongly with District's objectives.

Review for
2/29/12
WORKSHOP

February 2012

Strategic Planning

Mission = "Stabilize the level of Big Bear Lake for Recreation and Wildlife"

1. What does the mission include?
2. How do we implement the mission?
3. Inundation study/Flood control releases
 - a. Watermaster
 - b. Muni and Mutual
 - c. Flood hazard reduction operations
 - d. Public information
4. New marinas
 - a. Marina Point
 - b. Mooncamp
 - c. China Gardens
5. Trout Pond
 - a. Mission/vision
 - b. Funding/staffing
6. Mercury TMDL
 - a. Creel survey
 - b. Mercury air deposition study results
 - c. Partnerships
 - d. How proactive?
7. No. 1 priority from earlier workshops
 - a. Stanfield crossing
 - b. Still priority?
8. Records storage
 - a. Library
 - b. Offsite
9. Public Information/Outreach
 - a. Generally
 - b. Events
 - c. Publications
 - d. A plan
10. "Below the Radar"
 - a. Served us well?
 - b. Need to be seen/appreciated
 - c. Increase influence
11. Financing our Future

12. Lake concessions

- a. Off lake boat rentals
- b. Food/beverage concessions

13. Quagga Mussel

- a. Measuring success
- b. What do we do if?

14. Lake Management Plan/Master Plan

- a. Priorities
- b. TMDL pressures from stakeholders and named parties
- c. Relationship with City
 - i. Code
 - ii. Planning
 - iii. Engineering

15. Measuring success as a District

16. How we intend to

- a. Keep a stable, competent and productive staff
- b. Plan for succession/replacing key positions

Board Workshop
February 29, 2012

Big Bear Municipal Water District

Big Bear Municipal Water District Mission Statement

- Stabilize the level of Big Bear Lake for Recreation and Wildlife

What are we doing?

Collect property tax	Collect one concession fee
Collect Dock Fees	Collect marina compensation
Enforce boating rules	Cut/treat weeds
Permit shorezone work	Adjudicate dock issues
Rent RV spaces	Sell some water
Pay HUGE money for Mutual's water	Field trip for 3 rd graders
Enforce dock standards	Permit special Lake events
Grow big fish from small fish	Grind carp
Sell boat permits	Inspect/decontaminate boats
Landlord for Big Bear Marina	Maintain the dam
Control Lake levels	Water fish in Bear Creek
React to Nutrient TMDL	React to Mercury TMDL
Watermaster	Two launch ramps

Should the Mission be Revised?

- Mission –
 - Stabilize the level of Big Bear Lake
 - Manage Lake Recreation
 - Manage the Lake Environment



Should the Mission be Revised?

- Mission –
 - Stabilize the level of Big Bear Lake
 - Encourage and develop Lake recreation
 - Foster a healthy Lake ecosystem

Should the Mission be Revised?

- Mission –
 - Stabilize the level of Big Bear Lake
 - Accommodate healthy commercial Lake recreation
 - Create and foster a thriving fishery
 - Develop programs for public Lake education

Should The Vision be Revised?

- A beautiful alpine Lake that will provide extensive habitat for fish and wildlife, a broad range of recreational opportunities for people from throughout the Western United States and is a scenic resource that is appreciated by residents and visitors alike. (April 30, 2010)

MWH April 2010 – Section on Vision

- From Vision Statement (page 8)
- Broad issues (page 9)
- Issues and Objectives (page 15)

Our Finances (millions) FY 2007-08

■ Revenue	\$4.52
■ Expenses	
■ In-Lieu	\$1.10
■ Services/Supplies	\$0.99
■ Wages/Salaries	\$1.02
■ Debt	\$0.35
■ <u>Capital/Depreciation</u>	<u>\$0.16</u>
■ Balance to allocate	\$0.90

Our Finances (millions) FY 2012-13

■ Revenue	\$4.23
■ Expenses	
■ In-Lieu	\$1.25
■ Services/Supplies	\$1.10
■ Wages/Salaries	\$1.35
■ Debt	\$0.40
■ <u>Capital/Depreciation</u>	<u>\$0.22</u>
■ Balance to allocate	\$0.09

Issues

- New marinas
- Trout Pond
- Mercury TMDL
- Stanfield Crossing
- Public Info/Outreach
- Public Perception/Under Radar
- Financing our Future
- Lake Concessions
- Nutrient TMDL
- Inter agency relationships
- Quagga and what if's?
- Staffing & succession planning
- Boardwalk
- Foundation/Volunteer Corps

	Priority
1	Financing our Future
2	Trout Pond
3	Lake Concessions
4	Boardwalk
5	Inter agency relationships
6	
7	
8	
9	Staffing & succession planning
10	
11	
12	
13	
14	Stanfield Crossing

Next Steps – Immediate/Tasks

- Funding our future
 - Increase revenue
 - Cut spending
 - Alternative revenue sources
- Trout Pond
- Boardwalk
- Lake concessions
- Dam strut painting
- Rock bolting
-

Next Steps – Ongoing/Concurrent

- Staff and succession
- Interagency relationships
- Quagga mussel
- Nutrient and Hg TMDL
- Public Info/Outreach
- Under the radar – check ego at the door
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-
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Next Steps – Trout Pond

- Raise trout for plants – cost?
- Raise trout for tournament sale –income?
- Raise pan fish for Kool Kids – income?
- For profit trout pond – income?
- Sediment basin
- Big Bear Chateau partnering for events?
- Zoning?
- Remove interior fence
- Install new property line fence (excepting house and parking)
-
-
-

Next Steps - Funding

- Increase revenue
 - Carp boat w/ technician rental service
 - Single car parking charge
 - Sell Kool Kids
 - Sell carriage required equipment at ramps
 - Sell fishing license at ramps
 - Resort association w/o Lake we are Idylwild
 - Big Bear Lake fishing license stamp
 - Special events for District profit
 - Charge for tows, running out of gas
 - Tow insurance
 - Dam tour on Big Bear Queen inside boom line
- Cut spending
 - Continue monitoring spending
- Alternative revenue sources
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Next Steps - Foundation

- Dam tours
 - Video
 - Big Bear Queen
- Duck food vending at boardwalk
- Other fund raising ideas
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