

## Lahontan Regional Water Quality Control Board

**TO:** Water Board Members

**FROM:**   
Patty Z. Kouyoumdjian  
Executive Officer

**LAHONTAN REGIONAL WATER QUALITY CONTROL BOARD**

**DATE:** FEB 15 2013

**SUBJECT: ORDER NO. R6T-2013-XXXX, CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND 100-YEAR FLOODPLAIN WASTE DISCHARGE PROHIBITION EXEMPTION FOR THE SQUAW VALLEY RESORT'S GOLD COAST POND DAM RAISING PROJECT, OLYMPIC VALLEY, PLACER COUNTY – WDID NO. 6A31100300**

In ten days, I intend to sign the enclosed letter granting a 401 Water Quality Certification (401 WQC) and 100-year floodplain waste discharge prohibition exemption. The 401 WQC and exemption will allow the project proponent (Squaw Valley Resort) to reinforce the Gold Coast Pond dam prior to increasing its height and to stabilize the South Fork of Squaw Creek's channel immediately below the dam's spillway. The project is located within Squaw Valley Resort ski area and will affect Gold Coast Pond and the South Fork of Squaw Creek.

The project meets the criteria for an exemption to the 100-year floodplain waste discharge prohibition as specified by the *Water Quality Control Plan for the Lahontan Region*. A public notice soliciting comments on the proposed project will be posted on the Water Board's website for 10 days.

Please contact me at (530) 542-5412, or Eric J. Taxer at (530) 542-5434, if you have any questions or comments regarding this matter.

Enclosure: Draft 401 WQC and Floodplain Waste Discharge Prohibition Exemption

cc (w/enc): Jason Brush, Wetlands Regulatory Office (WTR-8), USEPA, Region 9  
Krystal L. Bell, Regulatory Division, U.S. Army Corps of Engineers  
Bill Orme / State Water Resources Control Board, Division of Water Quality  
Julie Newman, California Dept. of Fish and Wildlife, Region 2  
Mike Livak, General Manager, Squaw Valley Resort  
Michael Gross, Director of Planning, Squaw Valley Resort  
Stacy Wydra, Placer County Planning Department  
Katrina D. Smolen, Hydro Restoration

SCF/ehs/T:R6T-2013-XXXX\_Squaw Valley Resort Gold Coast Pond Dam Raising Project 401 FPE\_6A311003001 memo.docx  
[File Room Under: 6A311003001] [Cross File: WDID No. 6A310118070]



## Lahontan Regional Water Quality Control Board

Michael Gross, Director of Planning  
Squaw Valley Resort  
P.O. Box 2007  
Olympic Valley, California 96146

### **ORDER NO. R6T-2013-XXXX, CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND 100-YEAR FLOODPLAIN WASTE DISCHARGE PROHIBITION EXEMPTION FOR THE SQUAW VALLEY RESORT'S GOLD COAST POND DAM RAISING PROJECT, OLYMPIC VALLEY, PLACER COUNTY – WDID NO. 6A311003001**

On June 6, 2012, the California Regional Water Quality Control Board, Lahontan Region (Lahontan Water Board), issued the enclosed Clean Water Act Section 401 Order for Water Quality Certification (Order) for Squaw Valley Resort's Gold Coast Pond Dam Raising Project (Project). The Order authorized increasing the existing dam height by 4.4 feet. The Order did not require compensatory mitigation or a prohibition exemption because the Project, as originally proposed, did not include the discharge of any waste or dredge or fill materials to waters of the United States.

During the 2012 construction season, it was discovered that the existing dam must be structurally reinforced, even if the dam's height was to remain unchanged. It was also determined during the 2012 construction season that the creek channel immediately down-gradient from the dam's spillway should be protected from erosion. Squaw Valley Resort submitted additional information on December 18, 2012 to amend the original project proposal. On January 3, 2013, staff received the appropriate application filing fee for the amended project proposal. The additional information incorporates structurally reinforcing the dam and installing rip rap within the South Fork of Squaw Creek immediately down-gradient from the dam's spillway into the Project description. This Order for Clean Water Act section 401 Water Quality Certification incorporates the additional project elements and replaces the June 6, 2012 Order in total.

Reinforcing the dam consists of constructing a triangular reinforced-concrete prism behind (pond-side) and on top of the existing dam wall across its 84-foot length. This will result in placing 233 cubic yards of fill within Gold Coast Pond, affecting 0.02 acres of land below the pond's current ordinary high-water elevation. The creek channel stabilization consists of installing 3-foot diameter rip rap within a 30-foot by 30-foot creek channel section immediately below the spillway. This will result in placing 100 cubic yards of fill across 0.02 acres of the South Fork of Squaw Creek's channel and floodplain. The Project will expand Gold Coast Pond's floodplain area by approximately 0.24 acres. This Order authorizes the dam reinforcement and creek stabilization described above, in addition to increasing the dam height by 4.4 feet, as originally proposed.

The reference number assigned to the June 6, 2012 Order, Waste Discharger Identification (WDID) No. 6A311003001, is retained for this Order. Please use this reference number in all future correspondence regarding this Project.

Any person aggrieved by this action of the Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this Order, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: [http://www.waterboards.ca.gov/public\\_notices/petitions/water\\_quality](http://www.waterboards.ca.gov/public_notices/petitions/water_quality) or will be provided upon request.

**PROJECT DESCRIPTION**

The Table of Project Information, below, has been updated to reflect the amended project proposal.

**Table of Project Information:**

WDID Number	6A311003001
Applicant	Michael Gross Squaw Valley Resort PO Box 2007 Olympic Valley, CA 96146
Agent	Michael Gross Squaw Valley Resort PO Box 2007 Olympic Valley, CA 96146
Project Name	Gold Coast Pond Dam Raising Project
Project Purpose and Description	The Project consists of structurally reinforcing the existing Gold Coast Pond dam, increasing the dam height by 4.4 feet, and stabilizing the creek channel immediately down-gradient from the spillway with rip rap. The Project will result in placing fill materials below the pond's ordinary high-water elevation and within the South Fork of Squaw Creek channel and floodplain. No discharge of dredged materials is involved.
Location (closest city and county)	Tahoe City, Placer County
Location Latitude/Longitude	Latitude: 39.188038 N; Longitude: - 120.267474 W
Hydrologic Unit(s)	Truckee River Hydrologic Unit, 635.00 Truckee River Hydrologic Area, 635.20
Project Area	Less than 2000 square feet
Receiving Water(s) Name	Gold Coast Pond; South Fork of Squaw Creek
Water Body Type(s)	Pond; Stream
Designated Beneficial Uses	MUN, AGR, GWR, REC-1, REC-2, COMM, COLD, WILD, RARE, MIGR, SPWN

Area of Water(s) of the U.S. (WOUS) within the Project area	0.048 acres of pond and stream channel 0.38 acres of seasonal wetlands will be seasonally inundated																																										
Project Impacts (Fill) to waters of the state, including waters of the U.S.	<table border="1"> <thead> <tr> <th data-bbox="488 401 662 499">Waterbody Type</th> <th colspan="3" data-bbox="662 401 1068 436">Permanent</th> <th colspan="3" data-bbox="1068 401 1458 436">Temporary</th> </tr> <tr> <th data-bbox="488 436 662 499"></th> <th data-bbox="662 436 813 499">Acres / Sq. Ft.</th> <th data-bbox="813 436 943 499">Linear Feet</th> <th data-bbox="943 436 1068 499">Cubic Yards</th> <th data-bbox="1068 436 1203 499">Acres / Sq. Ft.</th> <th data-bbox="1203 436 1328 499">Linear Feet</th> <th data-bbox="1328 436 1458 499">Cubic Yard</th> </tr> </thead> <tbody> <tr> <td data-bbox="488 499 662 562"><i>Lake</i></td> <td data-bbox="662 499 813 562">0.028/900</td> <td data-bbox="813 499 943 562">84</td> <td data-bbox="943 499 1068 562">233</td> <td data-bbox="1068 499 1203 562">0</td> <td data-bbox="1203 499 1328 562">0</td> <td data-bbox="1328 499 1458 562">0</td> </tr> <tr> <td data-bbox="488 562 662 604"><i>Riparian</i></td> <td data-bbox="662 562 813 604">0</td> <td data-bbox="813 562 943 604">0</td> <td data-bbox="943 562 1068 604">0</td> <td data-bbox="1068 562 1203 604">0</td> <td data-bbox="1203 562 1328 604">0</td> <td data-bbox="1328 562 1458 604">0</td> </tr> <tr> <td data-bbox="488 604 662 646"><i>Stream</i></td> <td data-bbox="662 604 813 646">0.02/900</td> <td data-bbox="813 604 943 646">30</td> <td data-bbox="943 604 1068 646">100</td> <td data-bbox="1068 604 1203 646">0</td> <td data-bbox="1203 604 1328 646">0</td> <td data-bbox="1328 604 1458 646">0</td> </tr> <tr> <td data-bbox="488 646 662 688"><i>Wetland</i></td> <td data-bbox="662 646 813 688">0</td> <td data-bbox="813 646 943 688">0</td> <td data-bbox="943 646 1068 688">0</td> <td data-bbox="1068 646 1203 688">0.38</td> <td data-bbox="1203 646 1328 688">0</td> <td data-bbox="1328 646 1458 688">0</td> </tr> </tbody> </table>	Waterbody Type	Permanent			Temporary				Acres / Sq. Ft.	Linear Feet	Cubic Yards	Acres / Sq. Ft.	Linear Feet	Cubic Yard	<i>Lake</i>	0.028/900	84	233	0	0	0	<i>Riparian</i>	0	0	0	0	0	0	<i>Stream</i>	0.02/900	30	100	0	0	0	<i>Wetland</i>	0	0	0	0.38	0	0
Waterbody Type	Permanent			Temporary																																							
	Acres / Sq. Ft.	Linear Feet	Cubic Yards	Acres / Sq. Ft.	Linear Feet	Cubic Yard																																					
<i>Lake</i>	0.028/900	84	233	0	0	0																																					
<i>Riparian</i>	0	0	0	0	0	0																																					
<i>Stream</i>	0.02/900	30	100	0	0	0																																					
<i>Wetland</i>	0	0	0	0.38	0	0																																					
Compensatory Mitigation	<p>None Required. The permanent impacts of increasing the dam height include 0.008 acres on top of existing dam and 0.02 acres across the pond-side on the dam. The permanent impacts of installing rip rap for erosion control are 0.02 acres, for total permanent impacts to waters and floodplain of 0.048 acres. The surface water area and floodplain of Gold Coast Pond will expand by approximately 0.24 acres, based upon maximum water level contour mapping. This area is five times the proposed impacts to waters and floodplain area, providing adequate mitigation.</p> <p>The temporary wetland impacts will occur during the non-growing season. The wetlands will be flooded during this period. The pond's water level will be lowered prior to the growing season, and the wetlands will be monitored over a 5-year period to ensure no adverse impacts occur as a result of flooding the wetlands during the non-growing season. Any measurable impact will require mitigation as a requirement of this Order.</p>																																										
Federal Permit(s)	The Applicant applied for and received a CWA section 404 permit from the U.S. Army Corps of Engineers (USACOE), Sacramento District during October 2012.																																										
Applicable Fees	\$1308.00																																										

**CEQA COMPLIANCE**

The Lahontan Water Board, acting as a CEQA Responsible Agency in compliance with California Code of Regulations, title 14, section 15096, has determined that the Project is categorically exempt according to the California Code of Regulations, title 14, section 15301, repair of existing facilities (dam reinforcement) and maintenance of existing facilities (creek channel stabilization immediately down-gradient of the dam's spillway), and section 15304, minor alteration of land (increasing dam height). The Lahontan Water Board has filed a Notice of Exemption with the State Clearinghouse concurrently with this Order.

## **WATER QUALITY CONTROL PLAN WASTE DISCHARGE PROHIBITION**

The Lahontan Water Board adopted the *Water Quality Control Plan for the Lahontan Region* (Basin Plan), in which Chapter 4 specifies the following waste discharge prohibition for the Truckee River Hydrologic Unit:

*"4.c. The discharge or threatened discharge, attributable to human activities, of solid or liquid waste materials, including soil, silt, clay, sand, and other organic and earthen materials to lands within the 100-year floodplain of the Truckee River or any tributary to the Truckee River is prohibited."*

The Project involves the threatened and actual discharge of earthen materials to a tributary of the Truckee River (i.e. Gold Coast Pond/South Fork of Squaw Creek).

## **100-YEAR FLOODPLAIN WASTE DISCHARGE PROHIBITION EXEMPTION**

### **Dam Reinforcement**

In accordance with provisions in the Basin Plan, the Lahontan Water Board may grant exemptions to prohibition 4.c. when the project involves:

*"...the repair or replacement of existing structures, provided that the repair or replacement does not involve the loss of additional floodplain area or volume."*

Prior to granting any such exemption, the Lahontan Water Board shall require demonstration by the Applicant *"that all applicable Best Management Practices (BMPs) and mitigation measures have been incorporated into the project to minimize any potential soil erosion and/or surface runoff problems."*

The portion of the Project associated with the dam reinforcement is for the structural repair of an existing dam structure. No loss of floodplain area or volume will occur. Appropriate sediment and erosion control measures (Best Management Practices, BMPs) will be incorporated into the Project to minimize potential soil erosion and sediment discharge from the Project area. BMPs include installing straw wattles and hay bales downstream from the Project area. Subterranean drainage will be dewatered in accordance with the July 19, 2012 Dewatering Plan.

### **Creek Stabilization**

In accordance with provisions in the Basin Plan, the Lahontan Water Board may grant exemptions to prohibition 4.c. when the project meets the following criteria:

1. Project meets the exemption criteria set forth in the Basin Plan:
  - a. *The project is solely intended to reduce or mitigate existing sources of erosion or water pollution, or to restore the functional value to previously disturbed floodplain areas.*

The creek stabilization element of the Project will reduce or prevent erosion of the creek channel caused by high-flow releases through the dam's spillway.

- b. *There is no reasonable alternative to locating the project or portions of the project within the 100-year floodplain.*

Stabilizing the creek channel at the spillway outfall must be located within the floodplain. The stabilization project element has been designed to minimize the extent of disturbance to the creek channel and its floodplain.

- c. *The project, by its very nature, must be located within the 100-year floodplain. The determination of whether a project, by its very nature, must be located in the 100-year floodplain shall be based on the kind of project proposed, not the particular site proposed.*

The purpose of the rip rap is to stabilize the creek channel and floodplain to prevent erosion that could occur during high-flow releases through the dam's spillway. Such creek and floodplain stabilization activities by their very nature must be located within the prohibition area.

- d. *The project incorporates measures which will ensure that any erosion and surface runoff problems caused by the project are mitigated to levels of insignificance.*

The Project incorporates appropriate BMPs for all project elements to ensure that any erosion and surface runoff problems are mitigated to levels of insignificance. Procedures will be implemented to prevent the discharge of waste earthen materials within the drainage. The Project will be conducted during a period when flows are not expected to occur within the creek (the affected portion of the creek channel is ephemeral in nature).

- e. *The project will not individually or cumulatively with other projects, directly or indirectly, degrade water quality or impair beneficial uses of water.*

The creek stabilization element of the Project will stabilize a section of the South Fork Squaw Creek that is currently subject to erosion. This result, combined with the use of temporary and permanent BMPs, will reduce erosion and sediment discharges into Squaw Creek and the Truckee River. The creek stabilization element of the Project will improve water quality, not degrade it.

Both the dam raising and creek channel and floodplain stabilization Project elements meet the criteria for granting an exemption.

### **EXEMPTION GRANTED**

In accordance with Resolution No. R6T-2008-0031, the Lahontan Water Board delegated its authority to grant exemptions to the Basin Plan waste discharge prohibition cited above, to the Executive Officer where: a. the Executive Officer has the authority to authorize the Project under an individual Water Quality Certification Order; b. the Project meets the exemption criteria as set forth in the Basin Plan; and d. the Project's primary purpose is to reduce, control, or mitigate existing sources of erosion or water pollution; or e. the project is a repair or replacement of an existing facility.

The Project will be regulated under a Clean Water Act section 401 Water Quality Certification, meets the exemption criteria set forth in the Basin Plan, and is to repair an existing facility (dam) and to reduce an existing source of erosion (creek and floodplain stabilization). The Project is hereby granted an exemption to the above-cited waste discharge prohibition.

The Executive Officer notified the Lahontan Water Board and interested members of the public of the intent to issue an exemption to a waste discharge prohibition a minimum of ten (10) days before issuing the exemption. A notice of exemption was also posted on the Lahontan Water Board website and distributed through an electronic interested persons mailing list, allowing at least ten (10) days to submit comments on the exemption. No comments opposing the exemption were received.

### **SECTION 401 WATER QUALITY CERTIFICATION**

Section 401 of the Clean Water Act (33 U.S.C., paragraph 1341) requires that any applicant for a Clean Water Act section 404 permit, who plans to conduct any activity that may result in discharge of dredged or fill materials to waters of the United States, must provide to the permitting agency a certification that the discharge will be in compliance with applicable water quality standards of the state in which the discharge will originate. No section 404 permit may be granted (or valid) until such certification is obtained. The Applicant submitted a complete application and fee required for Water Quality Certification under section 401 for the Project. The Applicant has applied for and received USACOE conditional authorization to proceed under Nationwide Permit No. 3 and Nationwide Permit No. 33 pursuant to CWA section 404.

California Code of Regulations, title 23, section 3831(e) grants the Lahontan Water Board Executive Officer the authority to grant or deny Water Quality Certification for projects in accordance with Clean Water Act section 401. The Project qualifies for such Water Quality Certification.

### **Standard Conditions**

Pursuant to California Code of Regulation (CCR), title 23, section 3860, the following standard conditions are requirements of this Water Quality Certification (Certification):

1. This Certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code Section 13330 and CCR title 23, section 3867.
2. This Certification action is not intended and must not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license unless the pertinent certification application was filed pursuant to CCR title 23, section 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. The validity of any non-denial certification action must be conditioned upon total payment of the full fee required under CCR title 23, section 3833, unless otherwise stated in writing by the certifying agency.

4. Neither Project construction activities nor operation of the Project may cause a violation of the Basin Plan, may cause a condition or threatened condition of pollution or nuisance, or cause any other violation of the Water Code.
5. The Project must be constructed and operated in accordance with the Project described in the application for Certification that was submitted to the Water Board. Deviation from the Project description constitutes a violation of the conditions upon which the Certification was granted. Any significant changes to this Project that would have a significant or material effect on the findings, conclusions, or conditions of this Certification, including Project operation, must be submitted to the Executive Officer for prior review and written approval.
6. This Certification is subject to the acquisition of all local, regional, state, and federal permits and approvals as required by law. Failure to meet any conditions contained herein or any conditions contained in any other permit or approval issued by the State of California or any subdivision thereof may result in the revocation of this certification and civil or criminal liability.
7. The Lahontan Water Board may add to or modify the conditions of this Certification as appropriate to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act or Section 303 of the Clean Water Act, or as appropriate to coordinate the operations of this Project with other projects where coordination of operations is reasonably necessary to achieve water quality standards or protect the beneficial uses of water. Notwithstanding any more specific conditions in this Certification, the Project must be constructed and operated in a manner consistent with all water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act or Section 303 of the Clean Water Act.
8. This Certification does not authorize any act that results in the taking of a threatened or endangered species or any act which is now prohibited, or becomes prohibited in the future, under the California Endangered Species Act (Fish and Game Code section 2050 et seq.) or the federal Endangered Species Act (16 U.S.C. sections 1531 et seq.). If a "take" will result from any act authorized under this Certification, the Applicant must obtain authorization for the take prior to construction or operation of the Project. The Applicant is responsible for meeting all applicable requirements of the Endangered Species Act for the Project authorized under this certification.

#### **Additional Conditions**

Pursuant to CCR, title 23, section 3859(a), the following additional conditions are requirements of this Certification:

1. Equipment must be steam cleaned before starting work within the Project boundary and will be continually monitored for leaks.
2. An emergency spill kit must be at the Project site at all times.
3. The Project must comply with the conditions contained in the *Project Guidelines for Erosion Control in the Lahontan Region* (enclosed).

4. Lahontan Water Board staff must be notified 48 hours prior to commencement of ground disturbance.
5. Lahontan Water Board staff must be permitted to enter the Project site and sample any discharge.
6. By **October 31, 2013**, submit to this office documentation that the Project has been constructed pursuant to the plans reviewed by this office. This report must provide maps identifying the 0.38 acres of affected wetlands as well as locations of transects and photo points that will be used to monitor vegetation impacts. This report must also include baseline vegetative monitoring data of the existing wetlands.
7. The percent vegetative cover must be monitored during the growing season at each seasonally-inundated wetland area. Monitoring for vegetative cover will be based on the established transects and photo-points noted in Additional Condition No. 6, above.
8. By **October 31, 2014**, submit to this office the results of the Year 1 wetland monitoring.
9. By **October 31, 2015**, submit to this office the results of the Year 2 wetland monitoring.
10. By **October 31, 2016**, submit to this office the results of the Year 3 wetland monitoring.
11. By **October 31, 2017**, submit to this office the results of the Year 4 wetland monitoring.
12. By **October 31, 2018**, submit to this office the results of the Year 5 wetland monitoring.
13. If vegetative cover is less than 80 percent in any of the seasonally-inundated wetlands, the annual report for that monitoring period must include a corrective action plan to restore and/or mitigate the affected wetland area. The corrective action plan must also specify success criteria and a monitoring plan for evaluating any proposed restoration and/or mitigation efforts.
14. No construction activities will occur within the South Fork of Squaw Creek during periods of surface water flow within the South Fork Squaw Creek. Dewatering of subterranean seepage will be conducted in accordance with the July 19, 2012 Dewatering Plan (enclosed).

### **Enforcement**

1. In the event of any violation or threatened violation of the conditions of this certification, the violation or threatened violation must be subject to any remedies, penalties, process or sanctions as provided for under state law. For purposes of Clean Water Act section 401(d), the applicability of any state law authorizing remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Certification.
2. In response to a suspected violation of any condition of this Certification, the State Water Board or the Lahontan Water Board may require the holder of any permit or license subject to this certification to furnish, under penalty of perjury, any technical or monitoring report the

State Water Board or Lahontan Water Board deems appropriate, provided that the burden, including costs, of the reports must be a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.

3. In response to any violation of the conditions of this Certification, the Lahontan Water Board may add to or modify the conditions of this Certification as appropriate to ensure compliance.

### **Section 401 Water Quality Certification Requirements Granted**

I hereby issue an Order certifying that any discharge from the referenced Project will comply with the applicable provisions of Clean Water Act sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards), and with other applicable requirements of state law. This discharge is also regulated under State Water Board Order No. 2003-0017-DWQ, "General Waste Discharge Requirements for Dredge and Fill Discharges That Have Received State Water Quality Certification," which requires compliance with all conditions of this Water Quality Certification.

Except insofar as may be modified by any preceding conditions, all Water Quality Certification actions are contingent on (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the Applicant's Project description and the terms specified in this Water Quality Certification Order, and (b) compliance with all applicable requirements of the Basin Plan.

If you have any questions regarding this matter please direct them to Eric J. Taxer at (530) 542-5434, or Scott Ferguson at (530) 542-5432. Please use the WDID Number in the subject line for future correspondence concerning this project.

PATTY Z. KOUYOUMDJIAN  
EXECUTIVE OFFICER

- Enclosure: 1. June 6, 2012 Order for Clean Water Act section 401 Water Quality Certification  
2. Project Guidelines for Erosion Control in the Lahontan Region  
3. July 19, 2012 Dewatering Plan for Gold Coast Pond Modification

cc (w/enc): Jason Brush, Wetlands Regulatory Office (WTR-8), USEPA, Region 9  
Krystal L. Bell, Regulatory Division, U.S. Army Corps of Engineers, Sacramento Dist.  
Bill Orme, State Water Resources Control Board, Division of Water Quality  
Julie Newman, California Dept. of Fish and Wildlife, Region 2  
Mike Livak, General Manager, Squaw Valley Resort  
Stacy Wydra, Placer County Planning Department  
Katrina D. Smolen, Hydro Restoration



Lahontan Regional Water Quality Control Board

June 6, 2012

Michael Gross, Director of Planning  
Squaw Valley Ski Corporation  
P.O. Box 2007  
Olympic Valley, California 96146

**ORDER FOR TECHNICALLY-CONDITIONED CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION, , FOR THE SQUAW VALLEY SKI CORPORATION'S GOLD COAST DAM RAISING PROJECT, OLYMPIC VALLEY, PLACER COUNTY – WDID NO. 6A311003001**

The California Regional Water Quality Control Board, Lahontan Region (Lahontan Water Board) has received a complete Clean Water Act Section 401 Water Quality Certification (WQC) application and application filing fee for the Gold Coast Pond Dam Raising Project (Project) in Olympic Valley, Placer County. Based upon the information provided in the application and subsequent correspondence, it is our determination that the project will also comply with the required conditions of Lahontan Water Board Order No. 6-93-25 (Updated Waste Discharge Requirements for Squaw Valley Ski Area, WDID No. 6A310118070). This Order for WQC hereby assigns this Project Waste Discharger Identification (WDID) No. 6A311003001. Please use this reference number in all future correspondence regarding this Project.

The impacted wetlands are a part of "Wetlands A", which were created to help mitigate impacts from the previous Gold Coast Pond expansion project. "Wetlands A" were required by Lahontan Water Board Cleanup and Abatement Order No. 6-94-92A1 and by the Consent Agreement and Stipulation for Entry of Final Judgment that was entered on August 26, 2005. The Lahontan Water Board's February 7, 2006 Final Decision for completing Wetlands A documented the successful development of 1.03 acres of wetlands. The Final Decision verified compliance with the Consent Agreement's four requirements for determining the success of wetland mitigation. One of the requirements is that each wetland be maintained at a minimum of 80 percent vegetative cover (living plant cover, not mulch and/or hardscape features).

Lahontan Water Board staff notes that the Project will inundate approximately 0.38 acres of seasonal wetland habitat during the non-growing season. The information provided indicates the seasonal inundation will have an overall positive effect of creating more hydric soil conditions and will not adversely impact the created wetlands habitat. Therefore, the minimum 80 percent vegetative cover requirement should continue to be maintained after the Project is complete and operational.

Any person aggrieved by this action of the Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this Order, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at:

[http://www.waterboards.ca.gov/public\\_notices/petitions/water\\_quality](http://www.waterboards.ca.gov/public_notices/petitions/water_quality) or will be provided upon request.

### **PROJECT DESCRIPTION**

#### **Table of Project Information:**

WDID Number	6A311003001
Applicant	Michael Gross Squaw Valley Ski Corporation PO Box 2007 Olympic Valley, CA 96146
Agent	Michael Gross Squaw Valley Ski Corporation PO Box 2007 Olympic Valley, CA 96146
Project Name	Gold Coast Pond Dam Raising Project
Project Purpose and Description	Modify the current dam by raising the spillway 4.4 feet. The current set spillway is at 7954.3 feet. An adjustable weir will be constructed to allow the water level to top at 7958.7 feet. Water will be raised after the plant growing season to provide additional storage for snow-making. The water level will return to below the current normal maximum elevation of 7953.3 feet before the start of the following growing season.
Project Type	Increase height of existing dam. No dredge or fill is involved.
Project County	Placer
Project Address or other Locating Information	Olympic Valley, Placer County
Location Latitude/Longitude	Latitude: 39.188038o N, Longitude: -120.267474o W
Hydrologic Unit(s)	Truckee River Hydrologic Unit 635.00; Truckee River Hydrologic Area 635.20
Overall Project Area	Less than 2,000 square feet
Receiving Water(s) Name	Un-named tributary to Squaw Creek
Water Body Type(s)	Intermittent Stream
Designated Beneficial Uses	MUN, AGR, GWR, REC-1, REC-2, COMM, COLD, WILD, RARE, MIGR, & SPWN
Potential Water Quality Impacts	Potential sedimentation from construction activities upgradient from stream and pond areas.

**Table of Project Information Continued:**

Area of Water(s) within the Overall Project Area	0.38 acres of seasonal wetlands will be seasonally inundated.						
Project Impacts (Fill) to Waters of the State, including Waters of the U.S.	<b>Waterbody Type</b>	<b>Permanent</b>			<b>Temporary</b>		
		Acres / Sq. Ft.	Linear Feet	Cubic Yards	Acres / Sq. Ft.	Linear Feet	Cubic Yard
	<i>Lake</i>	0.008/336	84	68.8	0	0	0
	<i>Riparian</i>	0	0	0	0	0	0
	<i>Stream</i>	0	0	0	0	0	0
	<i>Wetland</i>	0	0	0	0.38	0	0
Federal Permit(s)	The Applicant has applied for U.S. Army Corps of Engineers (ACOE) authorization to proceed under an ACOE Nationwide Permit No. 7, Outfall Structures and Associated Intake Structures, ID No. SPK-1992-00642 pursuant to Clean Water Act section 404.						
Non-Compensatory Mitigation	During construction of the Project, the Applicant will follow Best Management Practices designed to minimize the short-term degradation of water quality.						
Compensatory Mitigation	<p>None Required. The permanent impacts result from increasing the height of an existing dam structure. No additional fill material will be placed in a manner that impacts the existing Gold Coast Pond. All new material will be added vertically, and the width of the existing dam will not be increased. Existing dam abutments will be extended, but such extensions are outside current flood plain and water body areas.</p> <p>The temporary wetland impacts will occur during the non-growing season. The wetlands will be flooded during this period. The lake water level will be lowered prior to the growing season, and the wetlands will be monitored over a 5-year period to ensure no impacts will occur. Any measurable impact will require mitigation as a requirement of this order.</p>						
Applicable Fees	\$944.00						
Fees Received	\$944.00						

**CEQA COMPLIANCE**

Lahontan Water Board staff have determined that this Project is exempt from the California Environmental Quality Act (Public Resources Code Section 21000 et seq.). In accordance with Section 15304, the basis for CEQA exemption is "Minor Alterations to Land." A Notice of Exemption will be filed with the State Clearinghouse concurrently with issuing this Order.

**SECTION 401 WATER QUALITY CERTIFICATION**

**Authority**

Section 401 of the CWA (33 U.S.C., paragraph 1341) requires that any applicant for a CWA Section 404 permit, who plans to conduct any activity that may result in discharge of dredged or fill materials to waters of the United States, shall provide to the permitting agency a

certification that the discharge will be in compliance with applicable water quality standards of the state in which the discharge will originate. No Section 404 permit may be granted (or valid) until such certification is obtained. Squaw Valley Ski Corporation has submitted a complete application and an application fee for Water Quality Certification under Section 401 for the Gold Coast Pond Dam Raising Project. The Applicant has applied for ACOE authorization to proceed under a Nationwide Permit No. 7, pursuant to CWA section 404.

California Code of Regulations (CCR) Title 23, Section 3831(e) grants the Lahontan Water Board Executive Officer the authority to grant or deny water quality certification for projects in accordance with Section 401 of the CWA. The Project qualifies for such water quality certification.

### **Standard Conditions**

Pursuant to CCR title 23, section 3860, the following standard conditions are requirements of this certification:

1. This certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to California Water Code section 13330 and CCR title 23, section 3867.
2. This certification action is not intended and must not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license unless the pertinent certification application was filed pursuant to CCR title 23, section 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. The validity of any non-denial certification action must be conditioned upon total payment of the full fee required under CCR title 23, section 3833, unless otherwise stated in writing by the certifying agency.
4. Neither project construction activities nor operation of the project may cause a violation of the Water Quality Control Plan for the Lahontan Region (Basin Plan), may cause a condition or threatened condition of pollution or nuisance, or cause any other violation of the California Water Code.
5. The project must be constructed and operated in accordance with the project described in the application for WQC that was submitted to the Water Board. Deviation from the project description constitutes a violation of the conditions upon which the certification was granted. Any significant changes to this project that would have a significant or material effect on the findings, conclusions, or conditions of this certification, including project operation, must be submitted to the Executive Officer for prior review and written approval.

6. This Water Quality Certification is subject to the acquisition of all local, regional, state, and federal permits and approvals as required by law. Failure to meet any conditions contained herein or any conditions contained in any other permit or approval issued by the State of California or any subdivision thereof may result in the revocation of this Certification and civil or criminal liability.
7. The Lahontan Water Board may add to or modify the conditions of this certification as appropriate to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act or Section 303 of the Clean Water Act, or as appropriate to coordinate the operations of this project with other projects where coordination of operations is reasonably necessary to achieve water quality standards or protect the beneficial uses of water. Notwithstanding any more specific conditions in this certification, the project must be constructed and operated in a manner consistent with all water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act or Section 303 of the Clean Water Act.
8. This certification does not authorize any act which results in the taking of a threatened or endangered species or any act which is now prohibited, or becomes prohibited in the future, under the California Endangered Species Act (Fish and Game Code section 2050 et seq.) or the federal Endangered Species Act (16 U.S.C. sections 1531 et seq.). If a "take" will result from any act authorized under this certification, the applicant must obtain authorization for the take prior to construction or operation of the project. The Applicant is responsible for meeting all applicable requirements of the Endangered Species Act for the project authorized under this certification.

#### **Additional Conditions**

Pursuant to CCR title 23, section 3859(a), the following additional conditions are requirements of this certification:

1. Equipment must be steam cleaned before starting work within the project boundary and will be continually monitored for leaks.
2. An emergency spill kit must be at the project site at all times.
3. The project must comply with the conditions contained in the *Project Guidelines for Erosion Control in the Lahontan Region* (enclosed).
4. Lahontan Water Board staff must be notified 48 hours prior to commencement of ground disturbance.

5. Lahontan Water Board staff must be permitted to enter the project site and sample any discharge.
6. By **October 31, 2012**, submit to this office documentation that the Project has been constructed pursuant to the plans reviewed by this office. This report must provide maps identifying the 0.38 acres of affected wetlands as well as locations of transects and photo points that will be used to monitor vegetation impacts. This report must also include baseline vegetative monitoring data of the existing wetlands.
7. The percent vegetative cover must be monitored during the growing season at each seasonally-inundated wetland area. Monitoring for vegetative cover will be based on the established transects and photo-points noted in Additional Condition No. 6, above.
8. By **October 31, 2013**, submit to this office the results of the Year 1 wetland monitoring.
9. By **October 31, 2014**, submit to this office the results of the Year 2 wetland monitoring.
10. By **October 31, 2015**, submit to this office the results of the Year 3 wetland monitoring.
11. By **October 31, 2016**, submit to this office the results of the Year 4 wetland monitoring.
12. By **October 31, 2017**, submit to this office the results of the Year 5 wetland monitoring.
13. If vegetative cover is less than 80 percent in any of the seasonally-inundated wetlands, the annual report for that monitoring period must include a corrective action plan to restore and/or mitigate the affected wetland area. The corrective action plan must also specify success criteria and a monitoring plan for evaluating any proposed restoration and/or mitigation efforts.

### **Enforcement**

1. In the event of any violation or threatened violation of the conditions of this certification, the violation or threatened violation must be subject to any remedies, penalties, process or sanctions as provided for under state law. For purposes of Clean Water Act section 401(d), the applicability of any state law authorizing remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this certification.
2. In response to a suspected violation of any condition of this certification, the State Water Resources Control Board (State Water Board) or the California Regional Water Quality Control Board (Lahontan Water Board) may require the holder of any permit or license subject to this certification to furnish, under penalty of perjury, any technical or monitoring report the State Water Board or Lahontan Water Board deems appropriate, provided that the burden, including costs, of the reports must be a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.

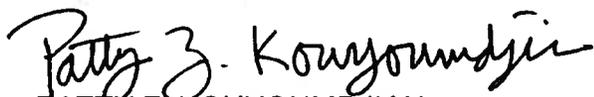
3. In response to any violation of the conditions of this certification, the Lahontan Water Board may add to or modify the conditions of this certification as appropriate to ensure compliance.

### **Section 401 Water Quality Certification Requirements Granted**

I hereby issue an order certifying that any discharge from the referenced Project will comply with the applicable provisions of sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards) of the Clean Water Act, and with other applicable requirements of State law. This discharge is also regulated under State Water Board Order No. 2003 - 0017 - DWQ, "General Waste Discharge Requirements for Dredge and Fill Discharges That Have Received State Water Quality Certification" which requires compliance with all conditions of this Water Quality Certification.

Except insofar as may be modified by any preceding conditions, all certification actions are contingent on (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the Applicant's Project description and the terms specified in this water quality certification order, and (b) compliance with all applicable requirements of the Basin Plan.

We look forward to working with you in your efforts to protect water quality. If you have any questions, please contact Eric Taxer at (530) 542-5434, or Scott Ferguson at (530) 542-5432.



PATTY Z. KOUYOUMDJIAN  
EXECUTIVE OFFICER

Enclosure: Project Guidelines for Erosion Control in the Lahontan Region

cc (w/enc): Jason Brush, Wetlands Regulatory Office (WTR-8), US EPA, Region 9 (via email at [R9-WTR8-Mailbox@epa.gov](mailto:R9-WTR8-Mailbox@epa.gov))  
Will Ness, U.S. Army Corps of Engineers, Sacramento Office  
Bill Orme / State Water Resources Control Board, Division of Water Quality  
(via email at [Stateboard401@waterboards.ca.gov](mailto:Stateboard401@waterboards.ca.gov))  
Julie Newman, California Dept. of Fish and Game, Region 2  
Mike Livak, General Manager, Squaw Valley Ski Corporation  
Stacy Wydra, Placer County Planning Department  
Marcus Bole, Marcus H. Bole & Associates  
Kim Niemeyer, State Water Resources Control Board, Office of Chief Counsel  
Janill L. Richards, Deputy Attorney General, Department of Justice, Office of the Attorney General

LAHONTAN REGION  
PROJECT GUIDELINES FOR EROSION CONTROL

In the interest of protecting surface water quality from unnatural or accelerated erosion caused by land development, the following guidelines shall be followed:

**Guidelines Applicable To:** Little Truckee River Hydrologic Unit (HU No. 636.00)  
Truckee River Hydrologic Area (HU No. 635.20)  
West Fork Carson River Hydrologic Unit (HU No. 633.00)  
East Fork Carson River Hydrologic Unit (HU No. 632.00)  
Mono Hydrologic Unit (HU No. 601.00)  
Long Hydrologic Area (HU No. 603.10)

Temporary Construction BMPs

1. Surplus or waste materials shall not be placed in drainage ways or within the 100-year flood plain of surface waters.
2. All loose piles of soil, silt, clay, sand, debris, or earthen materials shall be protected in a reasonable manner to prevent discharge of pollutants to waters of the State. Material stockpiles should be placed on the upgradient side of excavation whenever possible. Stockpiles may also be protected by covering to prevent contact with precipitation and by placing sediment barriers around the stockpiles.
3. Dewatering shall be done in a manner so as to prevent the discharge of pollutants, including earthen materials, from the site. The first option is to discharge dewatering waste to land. A separate permit may be required if, due to site constraints, dewatering waste must be discharged to surface waters. Contact the Regional Board for information on discharging to surface waters.
4. All disturbed areas shall be stabilized by appropriate erosion and/or sediment control measures by October 15 of each year.
5. All work performed between October 15th and May 1st of each year shall be conducted in such a manner that the project can be winterized within 48 hours. Winterized means implementing erosion and/or sediment controls that will prevent the discharge of earthen materials from the site and the controls will remain effective throughout the rainy/snow season without requiring maintenance. In general, this requires stabilizing bare disturbed soils with mulch, erosion protection blankets, or other suitable materials, and installing perimeter sediment controls such as fiber logs or other similar materials that will remain effective during significant rain and snow events.
6. After completion of a construction project, all surplus or waste earthen material shall be removed from the site and deposited at a legal point of disposal.
7. All non-construction areas (areas outside of the construction zone that will remain undisturbed) shall be protected by fencing or other means to prevent unnecessary encroachment outside the active construction zone.
8. During construction, temporary erosion control facilities (e.g., impermeable dikes, filter fences, weed-free straw bales, etc.) shall be used as necessary to prevent discharge of earthen materials from the site during periods of precipitation or runoff.
9. Control of run-on water from offsite areas shall be managed (protected, diverted, treated, etc.) to prevent such water from degrading before it discharges from the site.

10. Where construction activities involve the crossing and/or alteration of a stream channel, such activities require a prior written agreement with the California Department of Fish and Game and shall be timed whenever possible to occur during the period in which streamflow is expected to be lowest for the year. Other control measures may be used as necessary to prevent adverse effects from work in surface waters.

#### Permanent Construction BMPs

1. Impervious surfaces should be constructed with infiltration trenches or comparable infiltration structures along downgradient sides to infiltrate the increase in runoff resulting from the new impervious surfaces. Infiltration structures should also be constructed to accept runoff from structural (roof top) drip lines. Other control measures may be considered if design and/or site constraints are such that construction of infiltration devices is infeasible. Additional specific design specifications are required for the Truckee, Little Truckee and Long Hydrologic Units/Areas (see specific requirements below).
2. Where possible, existing drainage patterns shall not be significantly modified.
3. Drainage swales disturbed by construction activities shall be stabilized by the addition of crushed rock or riprap, as necessary, or other appropriate stabilization methods.
4. Revegetated areas shall be regularly and continually maintained in order to assure adequate growth and root development. Physical erosion control measures (controls other than live vegetation) shall be placed on a routine maintenance and inspection program to provide continued erosion control integrity.

#### **Additional Requirements for Specific Watersheds**

##### Truckee River Hydrologic Area and Little Truckee Hydrologic Unit

1. Runoff from impervious surfaces shall be treated or contained onsite. For purposes of this requirement, the volume of water to be contained or treated is the 20-year, one-hour storm, which is equal to 0.7 inches of rain.
2. Except in the event of emergencies, land disturbance associated with project construction is prohibited between October 15<sup>th</sup> and May 1<sup>st</sup> of the following year. Exemptions may be granted by the Executive Officer on a case by case basis.

##### Long Hydrologic Area

**Policy: (Contact the Regional Water Quality Control Board for information on permitting requirements delegated to the Town of Mammoth Lakes under a Memorandum of Understanding)**

1. For Mammoth Lakes watershed at an elevation above 7,000 feet, drainage collection, retention, and infiltration facilities shall be constructed and maintained to prevent transport of the runoff from a 20-year, 1-hour design storm from the project site. A 20-year, 1-hour design storm for the Mammoth Lakes area is equal to 1.0 inch of rainfall.



LAHONTAN REGION  
PROJECT GUIDELINES FOR EROSION CONTROL

In the interest of protecting surface water quality from unnatural or accelerated erosion caused by land development, the following guidelines shall be followed:

**Guidelines Applicable To:** **Little Truckee River Hydrologic Unit (HU No. 636.00)**  
**Truckee River Hydrologic Area (HU No. 635.20)**  
**West Fork Carson River Hydrologic Unit (HU No. 633.00)**  
**East Fork Carson River Hydrologic Unit (HU No. 632.00)**  
**Mono Hydrologic Unit (HU No. 601.00)**  
**Long Hydrologic Area (HU No. 603.10)**

Temporary Construction BMPs

1. Surplus or waste materials shall not be placed in drainage ways or within the 100-year flood plain of surface waters.
2. All loose piles of soil, silt, clay, sand, debris, or earthen materials shall be protected in a reasonable manner to prevent discharge of pollutants to waters of the State. Material stockpiles should be placed on the upgradient side of excavation whenever possible. Stockpiles may also be protected by covering to prevent contact with precipitation and by placing sediment barriers around the stockpiles.
3. Dewatering shall be done in a manner so as to prevent the discharge of pollutants, including earthen materials, from the site. The first option is to discharge dewatering waste to land. A separate permit may be required if, due to site constraints, dewatering waste must be discharged to surface waters. Contact the Regional Board for information on discharging to surface waters.
4. All disturbed areas shall be stabilized by appropriate erosion and/or sediment control measures by October 15 of each year.
5. All work performed between October 15th and May 1st of each year shall be conducted in such a manner that the project can be winterized within 48 hours. Winterized means implementing erosion and/or sediment controls that will prevent the discharge of earthen materials from the site and the controls will remain effective throughout the rainy/snow season without requiring maintenance. In general, this requires stabilizing bare disturbed soils with mulch, erosion protection blankets, or other suitable materials, and installing perimeter sediment controls such as fiber logs or other similar materials that will remain effective during significant rain and snow events.
6. After completion of a construction project, all surplus or waste earthen material shall be removed from the site and deposited at a legal point of disposal.
7. All non-construction areas (areas outside of the construction zone that will remain undisturbed) shall be protected by fencing or other means to prevent unnecessary encroachment outside the active construction zone.
8. During construction, temporary erosion control facilities (e.g., impermeable dikes, filter fences, weed-free straw bales, etc.) shall be used as necessary to prevent discharge of earthen materials from the site during periods of precipitation or runoff.
9. Control of run-on water from offsite areas shall be managed (protected, diverted, treated, etc.) to prevent such water from degrading before it discharges from the site.

10. Where construction activities involve the crossing and/or alteration of a stream channel, such activities require a prior written agreement with the California Department of Fish and Game and shall be timed whenever possible to occur during the period in which streamflow is expected to be lowest for the year. Other control measures may be used as necessary to prevent adverse effects from work in surface waters.

#### Permanent Construction BMPs

1. Impervious surfaces should be constructed with infiltration trenches or comparable infiltration structures along downgradient sides to infiltrate the increase in runoff resulting from the new impervious surfaces. Infiltration structures should also be constructed to accept runoff from structural (roof top) drip lines. Other control measures may be considered if design and/or site constraints are such that construction of infiltration devices is infeasible. Additional specific design specifications are required for the Truckee, Little Truckee and Long Hydrologic Units/Areas (see specific requirements below).
2. Where possible, existing drainage patterns shall not be significantly modified.
3. Drainage swales disturbed by construction activities shall be stabilized by the addition of crushed rock or riprap, as necessary, or other appropriate stabilization methods.
4. Revegetated areas shall be regularly and continually maintained in order to assure adequate growth and root development. Physical erosion control measures (controls other than live vegetation) shall be placed on a routine maintenance and inspection program to provide continued erosion control integrity.

#### **Additional Requirements for Specific Watersheds**

##### Truckee River Hydrologic Area and Little Truckee Hydrologic Unit

1. Runoff from impervious surfaces shall be treated or contained onsite. For purposes of this requirement, the volume of water to be contained or treated is the 20-year, one-hour storm, which is equal to 0.7 inches of rain.
2. Except in the event of emergencies, land disturbance associated with project construction is prohibited between October 15<sup>th</sup> and May 1<sup>st</sup> of the following year. Exemptions may be granted by the Executive Officer on a case by case basis.

##### Long Hydrologic Area

**Policy: (Contact the Regional Water Quality Control Board for information on permitting requirements delegated to the Town of Mammoth Lakes under a Memorandum of Understanding)**

1. For Mammoth Lakes watershed at an elevation above 7,000 feet, drainage collection, retention, and infiltration facilities shall be constructed and maintained to prevent transport of the runoff from a 20-year, 1-hour design storm from the project site. A 20-year, 1-hour design storm for the Mammoth Lakes area is equal to 1.0 inch of rainfall.



# **HYDRO RESTORATION**

WATERSHED RESTORATION AND REGULATORY COMPLIANCE

---

July 19, 2012

Attn: Eric Taxer  
Lahontan Regional Water Quality Control Board  
2501 Lake Tahoe Boulevard  
South Lake Tahoe, CA 96150

RE: Dewatering Plan for Gold Coast Dam Modification

Dear Mr. Taxer,

Construction activities associated with the Gold Coast Dam modification require dewatering of subterranean seepage in both the north wing wall trench and adjacent to the dam wall. During low flow conditions, it is evident that Gold Coast Pond is divided into two ponds with a culvert between them. For the sake of communication, we are calling the pond area closest to the dam wall Gold Coast Pond 1 (GCP 1); and the ponded area on the receiving water end of the pond Gold Coast Pond 2 (GCP 2).

GCP 1: Temporary dewatering of subterranean seepage

- 1) Water will be pumped into a 2,000 gallon storage tank, to settle any residual silt/sediment
- 2) A water truck will pump directly from the storage tank for dust control of road
- 3) A dewatering pit shall be excavated. A submersible pump will be ensconced by a 18" corrugated plastic pipe and the pit backfilled with gravel.
- 4) A fire hose with a diffuse shall continue to dewater clean seepage intercepted at the dewatering pit below grade of construction to an upland site, with rock armor. This site is above a wetland that will catch any sediment prior to entering Squaw Creek.

GCP 2: Existing water and Receiving Water in Pond

- 1) GCP 2 is captured at the outlet within the existing culvert and diverted into a 6" corrugated plastic pipe, fed through the dam outlet into Squaw Creek.
- 2) Straw Bale BMP's are established for diffusion of flow, and
- 3) A clear water diversion shall be established at the inlet of creek flow into GCP 2, prior to excavation of accumulated sediments in the pond.

North Wing Wall

- 1) Water will be pumped into a 2,000 gallon storage tank, to settle any residual silt/sediment
- 2) A water truck will pump directly from the storage tank for dust control of road
- 3) Three dewatering pits shall be established at the north, east and south ends of the excavated trench. A submersible pump will be ensconced by a 18" corrugated plastic pipe and the pits backfilled with gravel.



# HYDRO RESTORATION

WATERSHED RESTORATION AND REGULATORY COMPLIANCE

---

- 4) Seep flow will be intercepted and pumped into Gold Coast Wetland B Pods 1-5. The series of pods act as settling basins for any siltation. The dewatering pits shall have gravel inlets to reduce sediments and fines to areas of discharge. Daily monitoring will inspect proper installation of BMP's, and monitor any scour and turbidity and discharge outlets. This discharge shall not cause or contribute to a violation of water quality standards in the South Fork of Squaw Creek. This is a beneficial use of these five created wetland ponds. Adverse impacts are not anticipated, as the dewatering pits capture clean water prior to land disturbing activities.

ou have any questions regarding our evaluations or

Katrina D. Smolen, PH, QSD/QSP  
Principal, Hydro Restoration

**REGULATORY COMPLIANCE:**

Squaw Valley Resort complies with all Local, State, and Federal Guidelines for Construction. Squaw operates under the authority of LRQWCB Waste Discharge Requirements 93-25A3, and the Water Quality Objectives of the Squaw Creek TMDL

**CONSTRUCTION GUIDELINES**

- All vehicles will be fueled in the Squaw Valley Ski Corporation parking lot – no mid-mountain fueling will occur.
- Prior to grading where practical, existing topsoil resources will be removed, either by machine or by hand, and stockpiled in an area where soils storage will not cause a long-term resource impact.
- Subsequent to approved grading activities, cleared topsoil will be re-spread on the disturbed site, mulched and re-seeded.
- Where ground disturbance occurs, mulch or matting will be applied.
- Temporary erosion control measures will be utilized on disturbed sites to minimize the potential for soil erosion during construction. Soil-disturbing activities will be avoided during periods of heavy rain or wet soils.
- Erosion-control blankets (e.g., coir or jute netting) may be required to aid in vegetation establishment within the project areas on slopes greater than 10 percent.
- Re-seeding efforts will utilize a native or naturalized seed-mix favoring cold tolerant plants to improve establishment and survival in the alpine climate.

**GOOD HOUSEKEEPING**

- Identify the products used and/or expected to be used and the end products that are produced and/or expected to be produced. This does not include materials and equipment that are designed to be outdoors and exposed to environmental conditions (i.e. poles, equipment pads, cabinets, conductors, insulators, bricks, etc.).
- Cover and berm loose stockpiled construction materials that are not actively being used (i.e. soil, spoils, aggregate, fly-ash, stucco, hydrated lime, etc.)
- Store chemicals in watertight containers (with appropriate secondary containment to prevent any spillage or leakage) or in a storage shed (completely enclosed).
- Minimize exposure of construction materials to precipitation (not applicable to materials designed to be outdoors and exposed to the environment)
- Implement BMPs to control the off-site tracking of loose construction and landscape materials.

**VEHICLE STORAGE AND MAINTENANCE:**

- Prevent oil, grease, or fuel from leaking into the ground, storm drains or surface waters.
- Implement appropriate BMPs whenever equipment or vehicles are fueled, maintained or stored.



**HYDRO RESTORATION**

WATERSHED RESTORATION AND REGULATORY COMPLIANCE

PO BOX 396, OLYMPIC VALLEY, CA 96146 (775)772-9764 HYDRORESTORATION@YALLOCO.COM

## SQUAW VALLEY RESORT –BEST MANAGEMET PRACTICES

- Clean leaks immediately and disposing of leaked materials properly.

### LANDSCAPE MATERIALS

- Contain stockpiled materials such as mulches and topsoil when they are not actively being used.
- Contain fertilizers and other landscape materials when they are not actively being used.
- Discontinue the application of any erodible landscape material at least 2 days before a forecasted rain event or during periods of precipitation.
- Applying erodible landscape material at quantities and application rates according to manufacture recommendations or based on written specifications by knowledgeable and experienced field personnel.
- Stacking erodible landscape material on pallets and covering or storing such materials when not being used or applied.
- Establish and maintain effective perimeter controls as needed, and implement effective BMPs for all construction entrances and exits to sufficiently control erosion and sediment discharges from the site.
- Apply linear sediment controls along the toe of the slope; face of the slope, and at the grade breaks of exposed slopes to comply with sheet flow lengths

### WASTE MANAGEMENT

- Prevent disposal of any rinse or wash waters or materials on impervious or pervious site surfaces or into the storm drain system.
- Ensure the containment of sanitation facilities (e.g., portable toilets) to prevent discharges of pollutants to the storm water drainage system or receiving water.
- Clean or replace sanitation facilities and inspecting them regularly for leaks and spills.
- Locate portable toilets at least 50' from a watercourse or drainage.
- Cover waste disposal containers at the end of every business day and during a rain event.
- Prevent discharges from waste disposal containers to the storm water drainage system or receiving water.
- Contain and securely protect stockpiled waste material from wind and rain at all times unless actively being used.
- Implement procedures that effectively address hazardous and non-hazardous spills.
- Maintain spill response and implementation materials onsite prior to commencement of construction activities.
- Equipment and materials for cleanup of spills shall be available on site and that spills and leaks shall be cleaned up immediately and disposed of properly; and
- Appropriate spill response personnel are assigned and trained.
- Ensure the containment of concrete washout areas and other washout areas that may contain additional pollutants so there is no discharge into the underlying soil and onto the surrounding areas.
- Locate concrete washouts at least 50' from a watercourse or drainage.



**HYDRO RESTORATION**

WATERSHED RESTORATION AND REGULATORY COMPLIANCE  
PO BOX 3196, OLYMPIC VALLEY, CA 96146 (775)772-9764 HYDRORESTORATION@YAHOO.COM

## SQUAW VALLEY RESORT –BEST MANAGEMET PRACTICES

- Implement measures to control all non-storm water discharges during construction.
- Wash vehicles in such a manner as to prevent non-storm water discharges to surface waters or MS4 drainage systems.
- Clean streets in such a manner as to prevent unauthorized non-storm water discharges from reaching surface water or MS4 drainage systems.
- identify any areas of the site where additional BMPs are necessary to reduce or prevent pollutants in storm water discharges and identify all non-visible pollutants which are known, or should be known, to occur on the construction site.
- All Proejects shall implement effective wind erosion control.
- Sub-Contractors shall provide effective soil cover for inactive areas and all finished slopes, and utility backfill.
- Projects shall limit the use of plastic materials when more sustainable, environmentally friendly alternatives exist. Where plastic materials are deemed necessary, the discharger shall consider the use of plastic materials resistant to solar degradation



### **HYDRO RESTORATION**

WATERSHED RESTORATION AND REGULATORY COMPLIANCE  
PO BOX 3196, OLYMPIC VALLEY, CA 96146 (775)772-9764 HYDRORESTORATION@YAHOO.COM

SQUAW VALLEY RESORT –BEST MANAGEMET PRACTICES

SQUAW VALLEY RESORT –BEST MANAGEMET PRACTICES

	BMP FACTSHEET	AGENCY	NOTES								
Erosion Control	EC-1, Scheduling	PC/LRWC QB	All demolition and construction adjacent to waterways in 'no' flow conditions								
	EC-2, Preservation of Existing Vegetation	PC MMIV.3	Fencing critical root zone of Trees w/in 50' of Construction Fencing Wetlands/Drainages w/in 50' of Construction Fencing Limits of Construction Site inspection Prior to Equipment Storage/Grading								
	EC-6, Straw Mulch		All								
	EC-8 Wood Mulch		Slopes <2:1 Seed and Mulch								
	EC-10 Velocity Dissipation Devices		Use Fiber Rolls or Straw Bales as Check Dams in Roadside Ditch								
	EC- 15 Soil Preparation-Roughening		Preserve Topsoil								
	EC-16 Non-Vegetated Stabilization		Slopes >2:1 Seed and ECB								
Sediment Control	SE -1 Silt Fence		Perimeter Fencing Around All Stockpiles, Protect Site Run-On and Run-Off								
	SE-2 Sediment Basin		Permanent BMP, WDR 93-25A3;								
	SE-3 Sediment Trap		Permanent BMP, WDR 93-25A3								
	SE-5 Fiber Rolls		<table border="1"> <thead> <tr> <th>Slope</th> <th>Sheet flow length not to exceed</th> </tr> </thead> <tbody> <tr> <td>0-25%</td> <td>20 feet</td> </tr> <tr> <td>25-50%</td> <td>15 feet</td> </tr> <tr> <td>Over 50%</td> <td>10 feet</td> </tr> </tbody> </table>	Slope	Sheet flow length not to exceed	0-25%	20 feet	25-50%	15 feet	Over 50%	10 feet
Slope		Sheet flow length not to exceed									
0-25%		20 feet									
25-50%		15 feet									
Over 50%	10 feet										
	SE – 7 Street Sweeping	PC	Dry Mechanical Sweeping Prohibited, 'Wet Broom'								
	SE- 9 Straw Bale Barrier		Use as Siltation reduction devices								
	SE- 10 Storm Drain Inlet Protection		Permanent BMP, per WDR 93-25A3								
Tracking Control	TC-1 Stabilized Construction Entrance/Exit		Permanent BMP, per WDR 93-25A3								
	TC-2 Stabilized Construction Roadway		Permanent BMP, per WDR 93-25A3 All Trucks/traffic on Existing Roads								
	TC-3 Entrance Outlet Tire Wash		Water Truck 2xs/day								
Wind Erosion	WE-1 Wind Erosion Control		15 mph Water Trucks Water/Tackify or Cover all Stockpiles CARB VEE Weekly Inspection 40% Fugitive Dust – Stop Construction								
	NS-1 Water Conservation Practices										
	NS-3 Paving and Grinding Operation										
	NS-6 Illicit Connection- Illegal Discharge Connection										
	NS-8 Vehicle and Equipment Cleaning		Clean All Equipment working instream								
Management	NS-9 Vehicle and Equipment Fueling		No mid-mountain fueling, Absorbent Pads, Vapor Nozzles, and Spill Response Kits required								



**HYDRO RESTORATION**

WATERSHED RESTORATION AND REGULATORY COMPLIANCE  
PO BOX 3196, OLYMPIC VALLEY, CA 96146 (775)772-9764 HYDRORESTORATION@YAHOO.COM

SQUAW VALLEY RESORT –BEST MANAGEMET PRACTICES

	<b>BMP FACTSHEET</b>	<b>AGENCY</b>	<b>NOTES</b>
	NS-10 Vehicle and Equipment Maintenance		Daily inspection
	NS-12 Concrete Curing		NO excess concrete wastes left onsite, pH < 0.5 change
	NS-13 Concrete Finishing		pH < 0.5 change
	NS-14 Material and Equipment Use Over Water		Dewatering must take place first
	NS-15 Demolition Removal Adjacent to Water		Construction Perimeter Fencing BMPs
	WM -01 Material Delivery and Storage		Impervious Surface – Lower Parking Lot
	WM-02 Materials Use		
	WM -03 Stockpile Management		Fiber Rolls, Silt Fence, Wind Control
	WM-04 Spill Prevention and Control		Spill Response Kit – Trained Spill Personnell
	WM-05 Solid Waste Management		WM-3, WM-4,
	WM-08 Concrete Waste Management		pH < 0.5 change, follow WM-3, shovel or vacuum to remove excess
	WM-09 Sanitary-Septic Waste Management		Locate >50' from drainage, stabilize



**HYDRO RESTORATION**

WATERSHED RESTORATION AND REGULATORY COMPLIANCE  
 PO BOX 3196, OLYMPIC VALLEY, CA 96146 (775)772-9764 HYDRORESTORATION@YAHOO.COM

## BEST MANAGEMENT PRACTICES PLAN

Discharger Name: Squaw Valley Resort, LLC.

Site Name: Gold Coast Pond Dam Modification

Street Address: 1700 Squaw Valley Road

City: Olympic Valley, Ca 96146

County: Placer

Use the template provided below to identify BMPs to be implemented at the project site. Check the boxes next to the BMPs that will be used. If other BMPs will be used, describe them in the space provided for "Other BMP." Attach additional sheets if needed.

### LIMITED THREAT DISCHARGE TREATMENT AND CONTROL

Limited threat discharges will be treated and controlled by the following method(s):

- Dechlorination of potable water
- Ponds, trenches or basins
- Vegetated filter strips and swales
- Physical filter for solids, dissolved solids or total petroleum hydrocarbons (e.g., dirt bag, filter canister, activated carbon filter, sand filters)
- Stabilized conveyance systems
- Energy dissipation / flow diversion / flow controls
- Other (describe below)

BEST MANAGEMENT PRACTICES PLAN

SEDIMENT CONTROL AT CONSTRUCTION SITES

Sediment will be prevented from running off the site or to storm drain inlets by the following method(s):

Filter barriers -

- fiber rolls
- silt fence
- straw bale barriers
- gravel inlet filters

Retention structures -

- sediment traps
- settling basins

Stabilized access points/good housekeeping -

- crushed rock
- mulch
- landing mats
- frequent sweeping

Other (describe below)

## BEST MANAGEMENT PRACTICES PLAN

### STABILIZATION TO PREVENT EROSION

Disturbed soil areas not covered with impervious surfaces will be permanently stabilized at the completion of the project by the following method(s):

- Seeding and/or planting (including hydro mulching/seeding)
- Mulching (wood chips, gravel, other) in combination with seeding/planting
- Installing erosion blankets (typically used on steeper disturbed slopes or unlined drainage ditches in combination with permanent seeding/planting)
- Placing rip rap (describe location)
- Other (describe below)

### SPILL PREVENTION AND CONTROL

The following BMPs will be implemented to prevent and control potential leaks/spills of petroleum products such as fuels and lubricating materials, and other potentially hazardous materials, as appropriate:

- Material storage containment (covered storage, berms, lined surfaces, secondary containment devices, etc.)
- Regular equipment leak inspections
- Drip Pans
- Absorbents
- Other (describe below)

BEST MANAGEMENT PRACTICES PLAN

MAINTENANCE, INSPECTION, AND REPAIR

BMPs will be inspected and repaired in accordance with the following minimum program:

For inactive construction sites during wet season (October 15 – May 1)

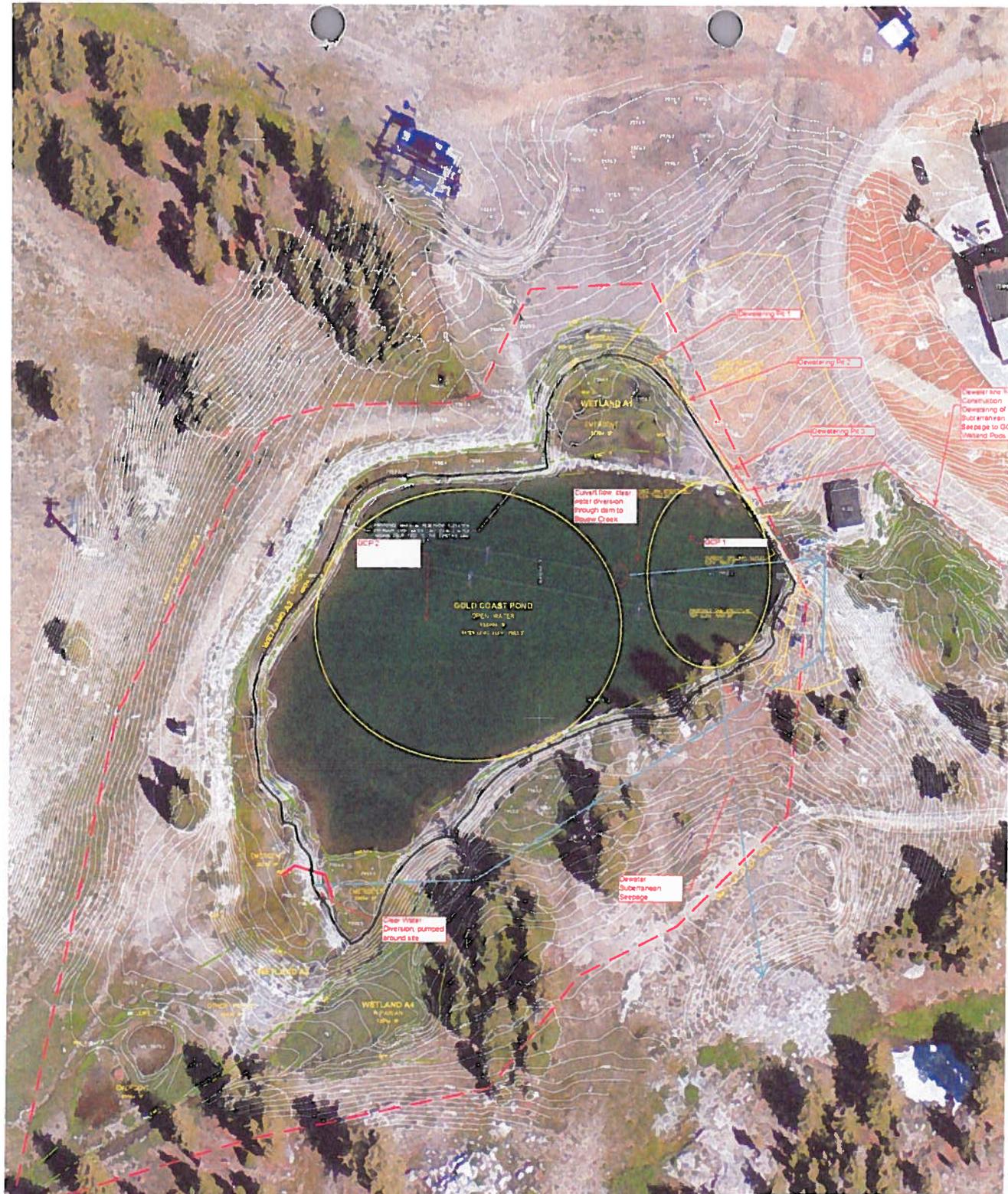
Cease construction through wet season and winterize to control pollutants

For active construction sites during wet season (October 15 – May 1)

- Inspect BMPs, and repair if needed, before and after storm events
- Inspect BMPs once each 24-hour period during extended storm events
- Implement repairs or design changes as soon as feasible depending upon worker safety and field conditions
- Have provisions to respond to failures and emergencies (describe below)
- Other (describe below)

Daily Site Inspections during active construction

Field Monitoring of Turbidity in Settling Ponds



**TOPOGRAPHIC SURVEY  
GOLD COAST  
WETLANDS  
AREA A**

A PORTION OF  
SECTION 36, T.16 N., R.15 E., M.B.M.  
PLACER COUNTY, CALIFORNIA  
SCALE: 1"=30' JULY 6, 2012

**ANDREGG  
GEOMATICS**

X:\CSA\12774021\dwg\12774021-Wetlands\_Gold Coast Pond.dwg  
 PREPARED AT THE REQUEST OF:  
 SQUAR VALLEY SOI CORP.  
 DATE OF DRIVING SURVEY:  
 9/9/2009  
 TOPOGRAPHIC SURVEY COMPLETED AT 1"=30'  
 DATE OF AERIAL PHOTOGRAPHY:  
 6/8/2011  
 HORIZONTAL DATUM:  
 LOCAL GROUND COORDINATES WITH TIES TO NAD83(1981-35) CA HPCH  
 VERTICAL DATUM:  
 NAVD83  
 WETLANDS DATA LOCATED BY BIOLOGICAL STAFF OF MARCUS SOLE & ASSOCIATES

**LEGEND**

LINE	LINE OF WETLAND
LINE	WETLAND DATA POINT
<b>WETLANDS AREA BREAKDOWN</b>	
AREA A1	WETLANDS
AREA A2	WETLANDS
AREA A3	WETLANDS
AREA A4	WETLANDS
AREA A5	WETLANDS
AREA A6	WETLANDS
AREA A7	WETLANDS
AREA A8	WETLANDS
AREA A9	WETLANDS
AREA A10	WETLANDS
AREA A11	WETLANDS
AREA A12	WETLANDS
AREA A13	WETLANDS
AREA A14	WETLANDS
AREA A15	WETLANDS
AREA A16	WETLANDS
AREA A17	WETLANDS
AREA A18	WETLANDS
AREA A19	WETLANDS
AREA A20	WETLANDS
AREA A21	WETLANDS
AREA A22	WETLANDS
AREA A23	WETLANDS
AREA A24	WETLANDS
AREA A25	WETLANDS
AREA A26	WETLANDS
AREA A27	WETLANDS
AREA A28	WETLANDS
AREA A29	WETLANDS
AREA A30	WETLANDS
AREA A31	WETLANDS
AREA A32	WETLANDS
AREA A33	WETLANDS
AREA A34	WETLANDS
AREA A35	WETLANDS
AREA A36	WETLANDS
AREA A37	WETLANDS
AREA A38	WETLANDS
AREA A39	WETLANDS
AREA A40	WETLANDS
AREA A41	WETLANDS
AREA A42	WETLANDS
AREA A43	WETLANDS
AREA A44	WETLANDS
AREA A45	WETLANDS
AREA A46	WETLANDS
AREA A47	WETLANDS
AREA A48	WETLANDS
AREA A49	WETLANDS
AREA A50	WETLANDS
AREA A51	WETLANDS
AREA A52	WETLANDS
AREA A53	WETLANDS
AREA A54	WETLANDS
AREA A55	WETLANDS
AREA A56	WETLANDS
AREA A57	WETLANDS
AREA A58	WETLANDS
AREA A59	WETLANDS
AREA A60	WETLANDS
AREA A61	WETLANDS
AREA A62	WETLANDS
AREA A63	WETLANDS
AREA A64	WETLANDS
AREA A65	WETLANDS
AREA A66	WETLANDS
AREA A67	WETLANDS
AREA A68	WETLANDS
AREA A69	WETLANDS
AREA A70	WETLANDS
AREA A71	WETLANDS
AREA A72	WETLANDS
AREA A73	WETLANDS
AREA A74	WETLANDS
AREA A75	WETLANDS
AREA A76	WETLANDS
AREA A77	WETLANDS
AREA A78	WETLANDS
AREA A79	WETLANDS
AREA A80	WETLANDS
AREA A81	WETLANDS
AREA A82	WETLANDS
AREA A83	WETLANDS
AREA A84	WETLANDS
AREA A85	WETLANDS
AREA A86	WETLANDS
AREA A87	WETLANDS
AREA A88	WETLANDS
AREA A89	WETLANDS
AREA A90	WETLANDS
AREA A91	WETLANDS
AREA A92	WETLANDS
AREA A93	WETLANDS
AREA A94	WETLANDS
AREA A95	WETLANDS
AREA A96	WETLANDS
AREA A97	WETLANDS
AREA A98	WETLANDS
AREA A99	WETLANDS
AREA A100	WETLANDS

