

TOURTELOT CLEANUP PROJECT



TOURTELOT PROJECT ANNUAL INSPECTION AND REPORT FORM

Benicia, California

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Background & Overview

This Tourtelot Project Annual Inspection and Report Form has been prepared to assist the City of Benicia in complying with inspection and reporting requirements that the City has agreed to perform on the Tourtelot Project Site.

The Tourtelot Project Site consists of approximately 220 acres located in the northwest corner of the former Benicia Arsenal, north of Rose Drive and west of East 2nd Street (see figure A). From 1944-1960 the Tourtelot property was leased to the U.S. Army as part of the Benicia Arsenal. In 1989 the City zoned the property for residential use. In 1996, the property owner discovered that the site contained ordnance and explosives (OE) that the Army had left on the property. The discovery of ordnance was reported to the City of Benicia, the United States Army Corps of Engineers (USACE) and the California Department of Toxic Substances Control (DTSC). The property was secured and the property owner began working on further investigation and cleanup.

Remediation of the Project Site to remove OE was undertaken, with oversight by DTSC and USACE. The Tourtelot Cleanup Project was completed in June 2004, and the DTSC issued a No Further Action determination confirming that no further removal

actions are required. All residential areas were approved for unrestricted residential use. Open space portions of the Project Site, all of which are owned by the City of Benicia, are subject to ongoing inspection and reporting requirements that are designed to monitor the Project Site.

Ongoing Inspection

The Annual Inspection and Report Form identifies the inspection and monitoring activities that the City has agreed to perform on an annual basis. The City has also agreed to provide annual reports to DTSC regarding such inspections and monitoring activities. The annual report is due by May 15th each year and should be prepared and submitted to the addresses listed in the instructions contained herein.

City personnel or contractors who are responsible for conducting the annual inspection and monitoring activities and preparing the Report Form should review the Tourtelot Restricted Areas Educational Manual and refer, as necessary to the Land Use Covenant, Contingency Action Plan (CAP), Operations and Maintenance Plan (O&M Plan), and Operations and Maintenance Agreement (O&M Agreement) referred to in the Educational Manual and in the Report Form.

INSTRUCTIONS:

1. Please use the included CD ROM to print out the Annual Inspection and Report Form.
2. Fill out, sign and date each section of the Annual Inspection and Report Form. The signature of the person responsible for completing the Annual Inspection and Report Form is required for each section.
3. A City of Benicia Representative must compile all sections of the Annual Inspection and Report Form and sign and date page 1 and 17. Please include the contact information requested on page 17.

4. Mail one completed form to each of the following addresses no later than May 15th:

Rizgar Ghazi

Project Manager for Tourtelot Cleanup Project
California Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, CA 94826-3200

Heather McLaughlin

City Attorney
Benicia Project Manager, Tourtelot Cleanup Project
City of Benicia
250 East L Street
Benicia, CA 94510

Bill McNair

President
Pacific Bay Homes, LLC
4041 Macarthur Boulevard, Suite 500
Newport Beach, CA 92660

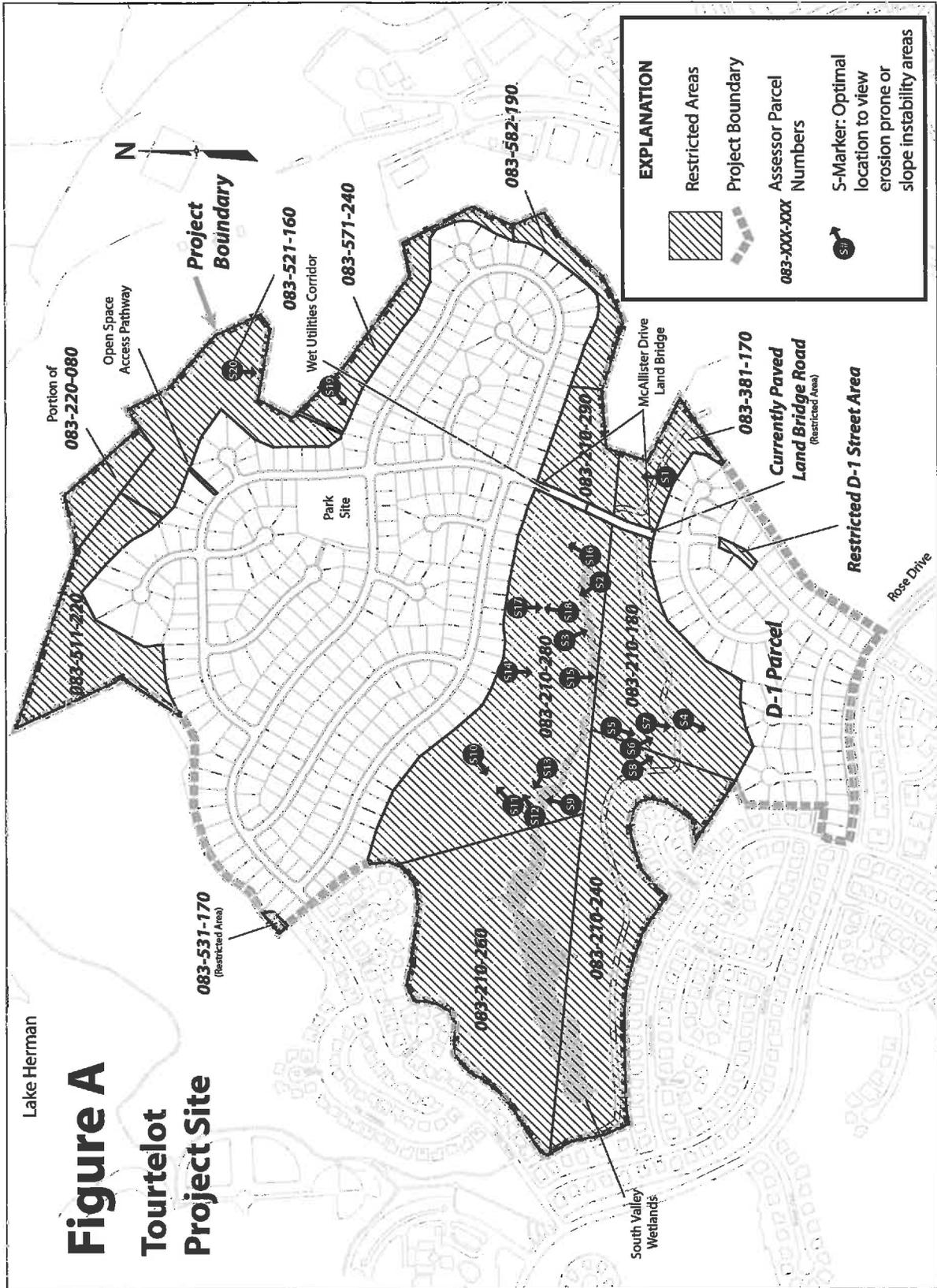
5-30-2012

Report Date:

**Andrew
Kennedy**

Digitally signed by Andrew Kennedy
DN: cn=Andrew Kennedy, o, ou,
email=ajk@kennedyandassociates.o
rg, c=US
Date: 2012.05.30 14:00:50 -08'00'

Signature of City of Benicia Representative:



Tourtelot Property: Inspection and Report Form

EROSIONS AND LANDSLIDES

The requirements for the annual erosion and landslide inspection are contained in the Slope Stability and Erosion Monitoring Plan (Appendix C to the O&M Plan). Before conducting the annual inspection, please review that Plan. The Plan identifies field inspection stations from which to view the erosion-prone areas and slope instability areas. These proposed stations, shown on Figure A, were used as stations from which to take baseline photographs. These "S-marker" stations are considered to be the optimal location from which to view each erosion-prone or slope instability area. Photographs taken during the baseline document the extent of erosion or slope instability, and are to be used during the subsequent monitoring events to allow comparison over time of that area with the baseline condition. Copies of the baseline photographs are included in the CD ROM that has been provided to the City with this Annual Inspection and Report Form.

Compare current field conditions with the Baseline Photo Study. See Appendix C of the O&M Plan for additional background.

A. Have any existing erosions enlarged or deepened in the past year?

Yes

No

If yes, please respond to the following:

1. Identify the location where erosion has enlarged or deepened (See Figure A). Note parcel number (i.e. 083-220-080), S-marker (i.e. S7) and any further description that will help to find the location again.
2. On a scale of 1-10 (10 being the worst), how significant is the enlargement or deepening to that area?
3. Estimate the size of the affected area.

B. Are there any new erosion-prone zones that may become active?

Yes

No

If yes, please respond to the following:

1. Identify the location of erosion-prone zone(s) (See Figure A). Note parcel number (i.e. 083-220-080), S-marker (i.e. S7) and any further description that will help to find the location again.

Erosions and Landslides form continued on next page.

Tourtelot Property: Inspection and Report Form

EROSIONS AND LANDSLIDES (CONTINUED)

C. Have any landslides moved or enlarged in the past year?

Yes

No

If yes, please respond to the following:

1. Identify the location where the landslide has moved or enlarged (See Figure A). Note parcel number (i.e. 083-220-080), S-marker (i.e. S7) and any further description that will help to find the location again.

2. On a scale of 1-10 (10 being the worst), how significant is landslide movement or enlargement to that area?

3. Estimate the size of the affected area.

D. Are there any areas of slope instability not identified on Figure C-1 of the Slope Stability and Erosion Monitoring Plan where landslides have occurred since the last monitoring event?

Yes

No

If yes, please respond to the following:

1. Identify the location where landslides have occurred (See Figure A). Note parcel number (i.e. 083-220-080), S-marker (i.e. S7) and any further description that will help to find the location again.

E. If an erosion or landslide event has occurred, please review section 5.0 of the Slope Stability and Erosion Monitoring Plan and evaluate if a corrective action is necessary. Describe the corrective action that took place.

Erosions and Landslides form continued on next page.

Tourtelot Property: Inspection and Report Form

EROSIONS AND LANDSLIDES (CONTINUED)

F. In conducting the inspection, did you follow the requirements of Section 4.0 of the Slope Stability and Erosion Monitoring Plan? If any requirements were not completed, explain why the requirements could not be completed.

Section 4.0 requirements were followed.

G. Are you aware of any problems or anticipated problems in completing the annual erosion and landslide inspection next year?

I am not aware of or anticipate any problems in completing the annual inspection next year.

H. If the annual erosion and landslide inspection was performed by a consultant retained by the City, please provide a copy of any written report provided by the consultant to the City.

The inspection was performed by a consultant, no other reports were prepared.

5-23-2012

Inspection Date:

Andrew
Kennedy

Digitally signed by Andrew
Kennedy
DN: cn=Andrew Kennedy, o, ou,
email=akj@kennedyandassociat
es.org, c=US
Date: 2012.05.30 14:08:45 -08'00'

Inspector Signature:

Tourtelot Property: Inspection and Report Form

UNAUTHORIZED ENCROACHMENT IN OPEN SPACE

Before conducting the annual inspection for encroachments in open space, please review Section 4.1 of the CAP. On June 1, 2004, the Benicia City Council adopted a resolution prohibiting encroachments into City-owned open space within the boundaries of the Tourtelot Project Site to prevent damage to slope stability and excavation into the soil. The resolution directs City staff to require prompt removal of ALL encroachments in the open space.

A. Please walk the residential fence lines that abut the Restricted Areas depicted in Figure A. Have any new unauthorized encroachments occurred within the past year?

Yes

No

If yes, please respond to the following:

1. Identify the location where unauthorized encroachments have occurred (See Figure A). Note parcel number (i.e. 083-220-080) and any further description that will help to find the location again.

Two encroachments were found in Parcel 083-210-180. One encroachment was found in Parcel 083-210-240 and existing encroachments were found in Parcel 083-210-260. All of the encroachments have been photographed and included in Appendix B.

2. Estimate the size of the affected area.

The sizes of the encroachments range from small raised bed planters (5'x8'), to pavers running the length of the property line.

3. Describe what action has been taken to comply with the prohibition on encroachments into City-owned open space within the boundaries of the Tourtelot Project Site (i.e. notices to homeowners).

Notices will be sent to all of the homeowners with encroachments into the Open Space.

B. Please walk remaining Restricted Areas depicted in Figure A. Is there any evidence of digging or excavation that has not been authorized by the City of Benicia?

Yes

No

If yes, please respond to the following:

1. Identify the location where digging or excavation have occurred (See Figure A). Note parcel number (i.e. 083-220-080) and any further description that will help to find the location again.

Unauthorized trenching in Parcel 083-210-180. The source of the trenching appears to be coming from 383 Wool Ct. A photograph is included in Appendix B.

2. Estimate the size of the affected area.

A trench 12 inches deep, 12 inches wide and 10 feet long.

3. Describe what action has been taken to comply with the prohibition on encroachments into City-owned open space within the boundaries of the Tourtelot Project Site.

A Stop Work Order was issued by the Building Inspector on June 1, 2012. The homeowner has been advised that no digging can take place in the Open Space Restricted Area. The homeowner has been instructed to call the City when all of the unauthorized pipe is removed and the trench backfilled and returned to normal.

Unauthorized Encroachment in Open Space form continued on next page.

Tourtelot Property: Inspection and Report Form

UNAUTHORIZED ENCROACHMENT IN OPEN SPACE (CONTINUED)

C. In conducting the encroachment inspection, have the requirements of Section 4.1 of the CAP been followed?

Yes

No

If no, explain why the requirements could not be followed:

D. Are you aware of any problems or anticipated problems in complying with the requirements of Section 4.1 of the CAP next year?

I am not aware of or anticipate any problems in complying with Section 4.1 of the CAP.

5-24-2012

Inspection Date:

Andrew
Kennedy

Digitally signed by Andrew
Kennedy
DN: cn=Andrew Kennedy, o, ou,
email=ajk@kennedyandassociat
es.org, c=US
Date: 2012.05.31 11:34:43 -0800

Inspector Signature:

Tourtelot Property: Inspection and Report Form

COVENANT COMPLIANCE

Before completing this annual report form on covenant compliance, please review Section 3.5 of the O&M Plan. The Land Use Covenant requires that the City maintain open space land use designation for the open space parcels within the Tourtelot Property and will prohibit certain land uses that would otherwise be permitted under a special use permit.

A. Please confirm that no Land Use Changes or Special Use Permits have been issued for the restricted property identified in Figure A.

No Land Use Changes or Special Use Permits have been issued for the restricted property identified in Figure A.

Other: (Please Describe)

B. Have the requirements of Section 3.5 of the O&M Plan been followed?

Yes

No

If no, explain why the requirements could not be followed:

C. Are you aware of any problems or anticipated problems in complying with the requirements of Section 3.5 of the O&M Plan next year?

I am not aware of or anticipate any problems in complying with the requirements of Section 3.5 of the O&M Plan.

5-31-2012

Report Date:

Andrew
Kennedy

Digitally signed by Andrew
Kennedy
DN: cn=Andrew Kennedy, o, ou,
email=ajk@kennedyassocia
tss.org, c=US
Date: 2012.05.31 12:15:18
-08'00'

Signature of Person Compiling Report:

Tourtelot Property: Inspection and Report Form

EXCAVATION ACTIVITIES

Before completing this annual report form, please review the definition of Excavation Activities contained in Section 1.2 of the CAP. Also review Section 5 of the CAP which describes the procedures to be followed by the City when Excavation Activities are conducted in Restricted Areas. The procedures are also summarized in the Tourtelot Restricted Areas Educational Manual. The required procedures vary, depending on whether the Restricted Areas is designated as an OE Notice Area, an OE Construction Support Area or a Wetlands Risk Reduction Area. Figures showing the areas included in each classification are included in the Educational Manual.

Report any Excavation Activities that have occurred in Restricted Areas in the past year.

A. Have any Excavation Activities taken place in Restricted Areas identified in Figure A?

Yes

No

If yes, please respond to the following: (Attach a separate response sheet for each excavation occurrence.)

1. Describe reason for Excavation Activities.

The trenching activity at 383 Wool Ct. appears to drainage related.

2. Identify the location where Excavation Activities have occurred (See Figure A). Note parcel number (i.e. 083-220-080) and any further description that will help to find the location again.

This activity is located in Parcel 083-210-180. The home where this drainage pipe originates from is in the D-1 Parcel. The address is believed to be 383 Wool Ct.

3. When did the Excavation Activities take place?

Based on the fact that this excavation is an unauthorized activity performed in a restricted area, it is not known when this activity began.

4. Please provide the approximate volume of materials removed in excavation.

The volume is estimated at 10 cubic feet.

The trench is approx. 12 inches deep. Based on the requirements of the CAP in Section 1.2, any penetration to a depth greater than one foot on any area of the Restricted Areas located in Open Space parcels constitutes "Excavation Activity".

5. Were any OE-Energetic or OE-Like items (see definitions on page 16 of this Form) discovered in the Restricted Areas? If yes, please describe action taken. (Attach additional sheets if more space is needed.)

It is not known what, if any, OE-Energetic or OE-Like items were discovered.

6. Is the Restricted Area in which Excavation Activities were conducted an OE Notice Area, an OE Construction Support Area or Wetlands Risk Reduction Area?

The Restricted Area where the excavation activity took place is a Historic Landslide Area and not one of the areas listed above.

Excavation Activities form continued on next page.

Tourtelot Property: Inspection and Report Form

EXCAVATION ACTIVITIES (CONTINUED)

7. Were procedures described in Section 5 of the CAP followed? Please describe. (Attach additional sheets if more space is needed.)

The City will require prompt removal of the encroachment/excavation into the Restricted Area.

8. If any requirements of Section 5 of the CAP were not followed, explain why the requirements could not be followed. (Attach additional sheets if more space is needed.)

It is not anticipated that requirements were followed as this is an unauthorized excavation discovered during the walk of the residential fence lines as required by this report. The City will require prompt removal of this excavation.

9. Are you aware of any problems or anticipated problems in complying with the requirements of Section 5 of the CAP for Excavation Activities conducted next year? (Attach additional sheets if more space is needed.)

I am not aware of or anticipate any problems with the City complying with the requirements of Section 5 of the CAP.

5-31-2012

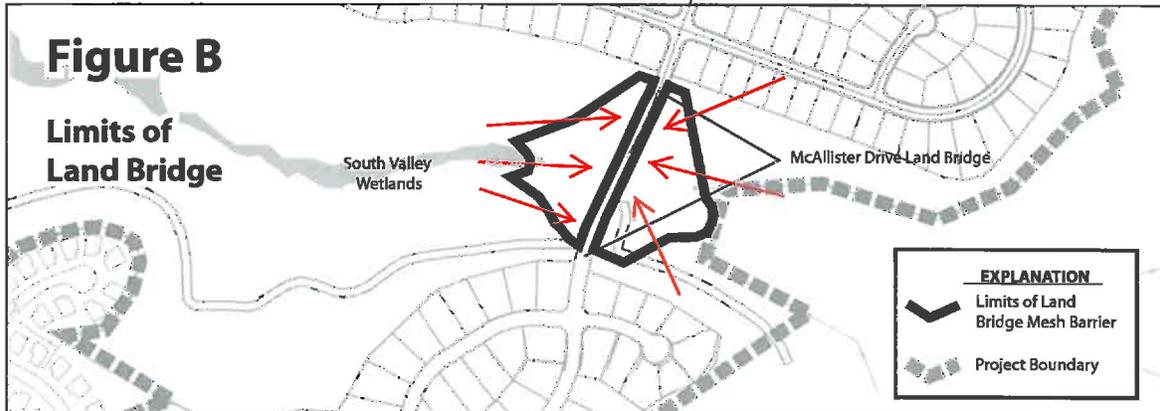
Report Date:

Andrew
Kennedy

Digitally signed by Andrew
Kennedy
DN: cn=Andrew Kennedy, o, ou,
email=ajk@kennedyandassociate
s.org, o=US
Date: 2012.05.31 13:56:07 -0800

Signature of Person Compiling Report:

Tourtelot Property: Inspection and Report Form



LAND BRIDGE MESH BARRIER

Before conducting the annual inspection of the Land Bridge Mesh Barrier, please review Section 3.3 of the O&M Plan. The Land Bridge Mesh Barrier (See Figure B) was installed to prevent unauthorized excavation into the slopes of the Land Bridge. Excavation into the slopes of the Land Bridge could result in potential exposure to OE-Energetic or OE-Like items.

Please inspect the mesh barrier on either side of McAllister Drive Land Bridge and respond to the following:

A. Is the mesh barrier securely in place?

- Yes
 No

B. Are there signs of rust or corrosion that could cause possible impairment?

- Yes
 No

C. Has the mesh barrier been damaged in any way?

- Yes
 No

If yes to any of the above questions, please respond to the following:

1. Where has the Land Bridge Mesh Barrier been affected? Locate on figure.

The locations of the affected areas on the Land Bridge Mesh barrier are the same as in previous years. I could not find any new locations where the Mesh Barrier has lifted. The areas affected are concentrated to the top of slope on both the eastern and western sides of McAllister Drive along the sidewalk. These are the same locations reported in previous years.

2. On a scale of 1-10 (10 being the worst), how significant is the damage?

2-3

3. Describe how the barrier has been affected: (i.e. cuts, weakened barrier, etc.)

The pins that are used to hold the Mesh Barrier are no longer present or have lifted from the surface.

4. Estimate size of affected area.

The size of the affected areas are 2-3' in length at various locations along McAllister Drive.

5. Describe what has been done to repair the Land Bridge Mesh Barrier.

Note: CAP requires special precautions for repair.

It does not appear that anything has been done to repair the Land Bridge Mesh Barrier. It is the recommendation of the consultant that the Mesh Barrier be affixed at the top of slope locations along McAllister Drive.

Land Bridge Mesh Barrier form continued on next page.

Tourtelot Property: Inspection and Report Form

LAND BRIDGE MESH BARRIER (CONTINUED)

D. Have the requirements of Section 3.3 of the O&M Plan been followed? If any requirements were not followed, explain why the requirements could not be followed.

Section 3.3 of the O&M Plan was followed during the inspection of the Land Bridge Mesh Barrier.

E. Are you aware of any problems or anticipated problems in complying with the requirements of Section 3.3 of the O&M Plan next year?

I am not aware of or anticipate any problems in complying with the requirements of Section 3.3

F. If the annual Land Bridge Mesh Barrier inspection was performed by a consultant retained by the City, please provide a copy of any written report provided by the consultant to the City.

The inspection was performed by a consultant, no other report has been prepared.

5-24-2012

Inspection Date:

Andrew
Kennedy

Digitally signed by Andrew
Kennedy
DN: cn=Andrew Kennedy, o, ou,
email=ajk@kennedyandassociates.org, c=US
Date: 2012.05.31 14:24:24 -08'00'

Inspector Signature:

Tourtelot Property: Inspection and Report Form

EDUCATION

Before completing this annual report form, please review Section 3.7 of the O&M Plan. Your responses to the following questions should report for the period since the last annual report was submitted.

A. Has the City of Benicia sent OE warning notices to all residents and businesses in the water bill area about possible discovery of OE items? (See appendix A of the CAP for form of OE warning notice.)

- Yes
 No

B. Is the program developed by the US Army Corps of Engineers for instructing Benicia school children of the potential presence of OE on the former Benicia Arsenal and how to respond if OE items are encountered operating?

- Yes
 No

C. Does the Camel Barn Museum have an educational display and/or related materials that can be used to acquaint visitors to the museum of the potential for encountering OE on the former Benicia Arsenal and how to respond?

- Yes
 No

D. Have personnel in the Public Works Department who could potentially be involved in supervising Excavation Activities in Restricted Areas or in retaining outside contractors to conduct Excavation Activities been required to review the Tourtelot Restricted Areas Educational Manual to refresh their understanding of the requirements for conducting such Excavation Activities?

- Yes
 No

E. Have personnel in the Community Development Department who could potentially be involved in processing proposed land use changes, special use permits or encroachment permits for Restricted Areas been required to review the Tourtelot Restricted Areas Educational Manual to refresh their understanding of the restrictions on allowing land use changes or issuing special use permits or encroachment permits for Restricted Areas?

- Yes
 No

Education form continued on next page.

Tourtelot Property: Inspection and Report Form

EDUCATION (CONTINUED)

F. Has the Police Department been trained what to do when possible OE or OE-Like items are found?

- Yes
 No

G. Has the Fire Department been trained what to do when possible OE or OE-Like items are found?

- Yes
 No

H. Have the requirements of Section 3.7 of the O&M Plan been followed?

- Yes
 No

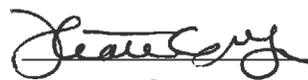
If no, explain why the requirements could not be followed:

I. Are you aware of any problems or anticipated problems in complying with the requirements of Section 3.7 of the O&M Plan next year?

The school education did not happen this period.
The police department will incorporate it with
the DARE program this upcoming year.

6-15-12

Report Date:



Signature of Person Compiling Report:

Tourtelot Property: Inspection and Report Form

FIRE AND POLICE DEPARTMENTS

A. Before completing this annual report form, please review Section 6 of the CAP. Over the past year has anyone reported finding any OE or OE Scrap items to the City of Benicia Police or Fire Departments?

- Yes *ya*
 No *← corrected answer*

If yes, what object(s) were reported?

1. What follow-up action was taken?

B. Have the requirements of Section 6 of the CAP been followed?

- Yes
 No

If no, explain why the requirements could not be followed:

C. Are you aware of any problems or anticipated problems in complying with the requirements of Section 6 of the CAP next year?

No

6/15/12

Report Date:



Signature of Person Compiling Report:

Tourtelot Property: Inspection and Report Form

WETLANDS

Before conducting the inspection of the Wetlands Risk Reduction Area, please review Sections 2.8.2(a) and 3.1.2 of the O&M Plan. The Wetlands Risk Reduction Area can be located in the field based on the following markers: Two "Protected Wetlands" signs have been placed directly across from each other on each side of the wetlands at both ends of the Wetlands Risk Reduction Area to provide field reference markers to assist in the location of the Wetlands Risk Reduction Area. The tops of the poles on which such signs are mounted have been marked with blue fence post caps. Signs are posted at intervals of 100 yards, alternating on each side of the waterway (meaning that the signs on each side of the waterway would be 200 yards apart). All of the sign poles within the Wetlands Risk Reduction Area are marked with blue fence post caps. Outside the Wetlands Risk Reduction Area, the sign poles do not have the blue cap.

A. Are "Protected Wetlands" signs still standing?

Yes

No

If no, describe location of fallen or missing sign(s). Note parcel number (i.e. 083-220-080) and any further description that will help to find the location(s) again.

B. Have the "Protected Wetlands" signs deteriorated or been vandalized over the past year?

Yes

No

If yes, describe location of deteriorated or vandalized sign(s). Note parcel number (i.e. 083-220-080) and any further description that will help to find the location(s) again.

1. Describe deterioration or vandalism (i.e. rust, corrosion, or any other impairment to sign[s]).

There is no vandalism to the signs. There are some signs that need to be cleaned so they are visible.

2. Do you suggest the sign(s) be repaired or replaced within the next year? If yes, describe what measures the City will take to repair or replace signs.

It is the recommendation of the consultant that the signs be cleaned as mentioned above.

C. Have the requirements of Section 3.1.2 of the O&M Plan been followed?

Yes

No

If no, explain why the requirements could not be followed:

Wetlands form continued on next page.

Tourtelot Property: Inspection and Report Form

WETLANDS (CONTINUED)

D. Are you aware of any problems or anticipated problems in complying with the requirements of Section 3.1.2 of the O&M Plan next year?

I am not aware of or anticipate any problems with complying with the requirements of Section 3.1.2 while completing the inspection.

E. Beginning in Spring of 2010, the City is to take over responsibility for annual monitoring of thorny plants installed around the Wetlands Mitigation Area, as discussed in Section 3.1.2 of the O&M Plan. (Prior to that date monitoring is the responsibility of Pacific Bay Homes, LLC.) The monitoring is to confirm that plants are remaining viable and self-sustaining.

The following questions should be answered in the City's Annual Inspection and Report form that is due May 15, 2010, and in subsequent years:

1. Are the thorny plants installed around the Wetlands Mitigation Area still viable and self sustaining?

Yes

No

If no, describe the condition of the plants and, if known, the cause of any deterioration in the plant condition in the prior year. Also describe the measures the City will take to restore the viability of the plants or to replace any which cannot be restored.

The thorny plants installed around the Wetlands Mitigation Area appear to have died off. It is the opinion of the consultant that the blockage at the culvert, caused the wetlands to flood and this flooding may be the cause for the thorny plants perishing. Photos of the thorny plants are included in Appendix D - Wetlands Area. There is a summary report included in the appendix.

5-24-2012

Inspection Date:

Andrew
Kennedy

Digitally signed by Andrew
Kennedy
DN: cn=Andrew Kennedy, o,
ou,
email=ajk@kennedyandassoci
ates.org, c=US
Date: 2012.05.31 14:29:32
-0800

Inspector Signature:

Tourtelot Property: Inspection and Report Form

GLOSSARY OF TERMS

CAP – Contingency Action Plan

Covenant – Land Use Covenant

DTSC—California Department of Toxic Substances Control

O&M Plan – Operations and Maintenance Plan

US Alert – Underground Service Alert

USACE – U.S. Army Corps of Engineers

OE DEFINITIONS

“OE” means ordnance and explosives and may include OE-Energetic, OE-Like or OE Scrap items.

“OE-Energetic” is defined as ammunition or ammunition components that contain measurable amounts of explosives that have been abandoned, expelled from demolition pits, burned, buried, lost or discarded; or soil containing 10 percent or more of explosives.

“OE-Like” refers to any item that is (1) any recognizable, intact component of an OE item that presents no explosive hazard or (2) an ordnance item, other than small arms cartridges, casings, or bullets that has retained the shape of a projectile. Examples of OE-Like items are expended fuzes, burster tubes, booster caps, rocket motors, tail fin assemblies, practice warheads or projectiles, or solid ball projectiles (such as a 37 mm armor piercing projectile).

“OE Scrap” includes those items that are fragments of intentionally destroyed items that do not contain explosives or explosive residue. OE Scrap is inert and does not pose a safety risk.

If you have any questions regarding the information contained in the Annual Inspection and Report Form, please contact:

Heather McLaughlin

City Attorney
Benicia Project Manager, Tourtelot Cleanup Project
(707) 746-4216

Collette Meunier

Community Development Director
(707) 746-4280

Dan Schiada

Public Works Director
(707) 746-4332

Tourtelot Property: Inspection and Report Form

INSPECTION AND REPORT VERIFICATION

To be signed and dated by the City of Benicia Representative responsible for compiling the Annual Inspection and Report form:

Print Name: Andrew Kennedy
Signature: Andrew Kennedy
Date: 5-31-2012

Digitally signed by Andrew Kennedy
DN: cn=Andrew Kennedy, o=AK, email=ajk@kennedyandassociates.org, c=US
DATE: 2012.05.31 14:28:50 -0800

Contact Information:

Title: Engineering Technician - Tourtelot Project Inspector
Address: 2586 Comistas Dr.
Telephone: 925-932-7857
Fax: 925-465-4841
Email: ajk@kennedyandassociates.org

INSPECTION AND REPORT RESULTS

Please send one copy of the completed form to each of the following:

Rizgar Ghazi
Project Manager for Tourtelot Cleanup Project
California Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, CA 94826-3200

Heather McLaughlin
City Attorney
Benicia Project Manager, Tourtelot Cleanup Project
City of Benicia
250 East L Street
Benicia, CA 94510

Bill McNair
President
Pacific Bay Homes, LLC
4041 Macarthur Boulevard, Suite 500
Newport Beach, CA 92660

INSPECTION AND REPORT VERIFICATION

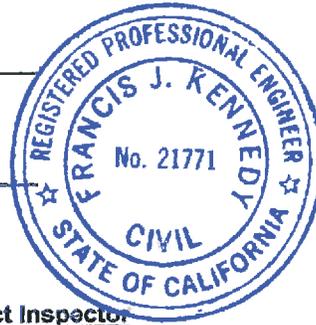
To be signed and dated by the City of Benicia Representative responsible for compiling the Annual Inspection and Report form:

Print Name: Andrew Kennedy

Signature: 

Date: 6-1-2012

Reviewed by:  6/1/2012



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**Appendix A – Slope Stability and Erosion Areas
Tourtelot Annual Inspection Report
May 2012**

Landbridge – Station S1



Area H – Station S2



**Appendix A – Slope Stability and Erosion Areas
Tourtelot Annual Inspection Report
May 2012**

Area C – Station S3



Area A – Station S4



**Appendix A – Slope Stability and Erosion Areas
Tourtelot Annual Inspection Report
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Area A – Station S5



Area A – Station S6



**Appendix A – Slope Stability and Erosion Areas
Tourtelot Annual Inspection Report
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Area A – Station S7



Area A – Station S8



**Appendix A – Slope Stability and Erosion Areas
Tourtelot Annual Inspection Report
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Area F/G – Station S9



Area G – Station S10



**Appendix A – Slope Stability and Erosion Areas
Tourtelot Annual Inspection Report
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Area G – Station S11



Area G – Station S12



**Appendix A – Slope Stability and Erosion Areas
Tourtelot Annual Inspection Report
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Area G – Station S13 (Direction of Photo Arrow Match)



Area G – Station 13 (Direction of Original Photo Match)



Appendix A – Slope Stability and Erosion Areas
Tourtelot Annual Inspection Report
May 2012
Area B – Station S15



Area I – Station S16 | Photo access limited by water height. Additional Photos of Wetlands are in Appendix D



Appendix A – Slope Stability and Erosion Areas
Tourtelot Annual Inspection Report
May 2012
Area H – Station S18



Area J – Station S20



**Appendix B - Encroachments Along Fence Line
Tortelot Project Annual Inspection Report
May 2012**

2012 Summary

This year's inspection along the properties abutting the "Open Space Restricted Area" revealed that there are encroachments existing that need to be addressed. The following were found during the field inspection in the Open Space.

- Three encroachments that are new: 366 Silas Ct., 383 Wool Ct. and 476 Casey Ct.
- The property at 603 Kearney has pavers laid in the Open Space Restricted Area again. This has been an ongoing issue historically.
- The concrete curb abutting the property at 699 Andrew Ct. still remains. We have photographed it again this year and will continue to report this as an active encroachment.

Generally the encroachments at 366 Silas Ct. and 476 Casey Ct. are small in size and could be categorized as small gardens or property line enhancements to the abutting property. The encroachment at 383 Wool Ct. appears to be a sub-drain and there has been trenching work performed within Open Space Restricted Area. The property at 603 Kearney could be considered a recurring encroachment based on the historical evidence of this property maintaining access into the Open Space Restricted Area and the recurring use of the pavers in the photograph.

A photo exhibit on the following pages has been included to provide evidence of the active encroachments as of May 25, 2012.

**Appendix B - Encroachments Along Fence Line
Tourtelot Project Annual Inspection Report
May 2012**

**Encroachment 1
366 Silas Ct. | Small raised bed planter garden**



**Appendix B - Encroachments Along Fence Line
Tourtelot Project Annual Inspection Report
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**Encroachment 2
383 Wool Ct. | Drainage construction within Open Space Restricted Area**



The trenching activity shown here is in violation of Title 12, Chapter 12.12.020 of the Benicia Municipal Code.

**Appendix B - Encroachments Along Fence Line
Tourtelot Project Annual Inspection Report
May 2012**

**Encroachment 3
476 Casey Ct. | Raised bed garden in the Open Space**



**Appendix B - Encroachments Along Fence Line
Tourtelot Project Annual Inspection Report
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603 Kearny St. | 2011 survey showed pavers lifted up. 2012 shows pavers replaced.



**Appendix B - Encroachments Along Fence Line
Tourtelot Project Annual Inspection Report
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699 Andrew Ct. | Concrete curb (first reported during the 2009 survey)

Southwesterly Boundary

Southeasterly Boundary



**Appendix B - Encroachments Along Fence Line
Tourtelot Project Annual Inspection Report
May 2012**

Google Map of Encroachment Locations as recorded by Motion X GPS



**Appendix C – Land Bridge Mesh Barrier
Tourtelot Annual Inspection Report
May 2012**

2012 Summary

A summary report has been added to the appendix this year in order to give a more in depth report of the exact location and severity of the Land Mesh Barrier in the locations where maintenance is being advised.

Purpose

The Land Bridge Mesh Barrier was installed on the McAllister Land Bridge after OE (Ordnance Explosive) like materials were found in the fill material used to build the land bridge over the South Valley Wetlands. As a protective measure a mesh barrier was attached along the western and eastern slopes of the Land Bridge to prevent excavation activities from occurring.

The approved O&M plan (Operation and Maintenance Plan) sets forth the inspection task and gives the requirements for maintenance if necessary.

Historical Findings

Annual inspections of the Land Bridge Mesh Barrier have been performed since 2005. During the 2006 inspection, it was noted that the barrier was pulling up along some of the seams on the slope and in greater concentrations along the top of slope at McAllister Drive. These conditions have remained virtually unchanged over the course of the last six years.

Current Conditions

As mentioned above, the current conditions are similar to conditions found over the last six years. The photos included are representative of the lifting that has occurred along McAllister Drive. It is our recommendation that maintenance be performed in accordance with the O&M plan and the CAP (Contingency Action Plan) to re-pin the mesh barrier to the surface to prevent further “lifting” from the slope. The condition of the barrier on the western and eastern slopes is satisfactory and we do not recommend any maintenance in these areas. The ground cover is established and maintains the hold of the mesh barrier adequately on the slopes.

**Appendix C – Land Bridge Mesh Barrier
Tourtelot Annual Inspection Report
May 2012**

McAllister Drive | Photos are all from the Top-of-slope along the sidewalk.



**Appendix C – Land Bridge Mesh Barrier
Tourtelot Annual Inspection Report
May 2012**



**Appendix C – Land Bridge Mesh Barrier
Tourtelot Annual Inspection Report
May 2012**



**Appendix C – Land Bridge Mesh Barrier
Tourtelot Annual Inspection Report
May 2012**



**Appendix C – Land Bridge Mesh Barrier
Tourtelot Annual Inspection Report
May 2012**



**Appendix C – Land Bridge Mesh Barrier
Tortelot Annual Inspection Report
May 2012**

Isolated location on the eastern slope showing damage to the mesh barrier. This has remained unchanged for many years.



2012 Summary

History

During the 2011 inspection, it was noted that the water level within the Wetlands Area had risen significantly. Our understanding is that the culvert at the McAllister Land Bridge becomes obstructed and can not drain the flows from the wetlands as designed. A recommendation was made in our 2011 report to assess the culvert and perform maintenance as needed. It was based on these findings that we added this appendix to the report last year.

Initial 2012 Conditions

This year, conditions in the Wetlands Area were observed as being similar to that of last year. An established shoreline was noted and significant changes to the habitat were observed as well. Most of the trees in the Wetlands Area near the headwall and culvert at McAllister Drive have not survived from being submerged in water. The Thorny Plants appear to have suffered from this condition as well.

Maintenance Issues

Since the 2011 report, the City has performed maintenance to relieve plugging of the culvert on two occasions (February and May 2012). During the week of our field investigations (May 2012), the City had a maintenance crew onsite to unplug the culvert.

Purpose

The purpose of this Appendix is to provide photos of the Wetlands Area and to give specific photo documentation of the conditions that exist. This Appendix does not suggest any further action as a recommendation. Kennedy and Associates is not tasked by this report to make Biological and/or Habitat related recommendations to the City.

**Appendix D – Wetlands Area
Tourtelot Annual inspection Report
May 2012**

Wetlands Area | Prior to May maintenance.



**Appendix D – Wetlands Area
Tortelot Annual inspection Report
May 2012**

Wetlands Area | After May maintenance



**Appendix D – Wetlands Area
Tortelot Annual inspection Report
May 2012**

View of the headwall at Station S16 | Prior to maintenance



**Appendix D – Wetlands Area
Tortelot Annual inspection Report
May 2012**

View of the headwall at Station S16 | After maintenance



**Appendix D – Wetlands Area
Tourtelot Annual inspection Report
May 2012**

View of culvert that requires maintenance



18 inch culvert for outgoing flows. The 54 inch line is an inbound line into the Wetlands Area.

**Appendix D – Wetlands Area
Tourtelot Annual inspection Report
May 2012**

Photo of trash rack for the culvert



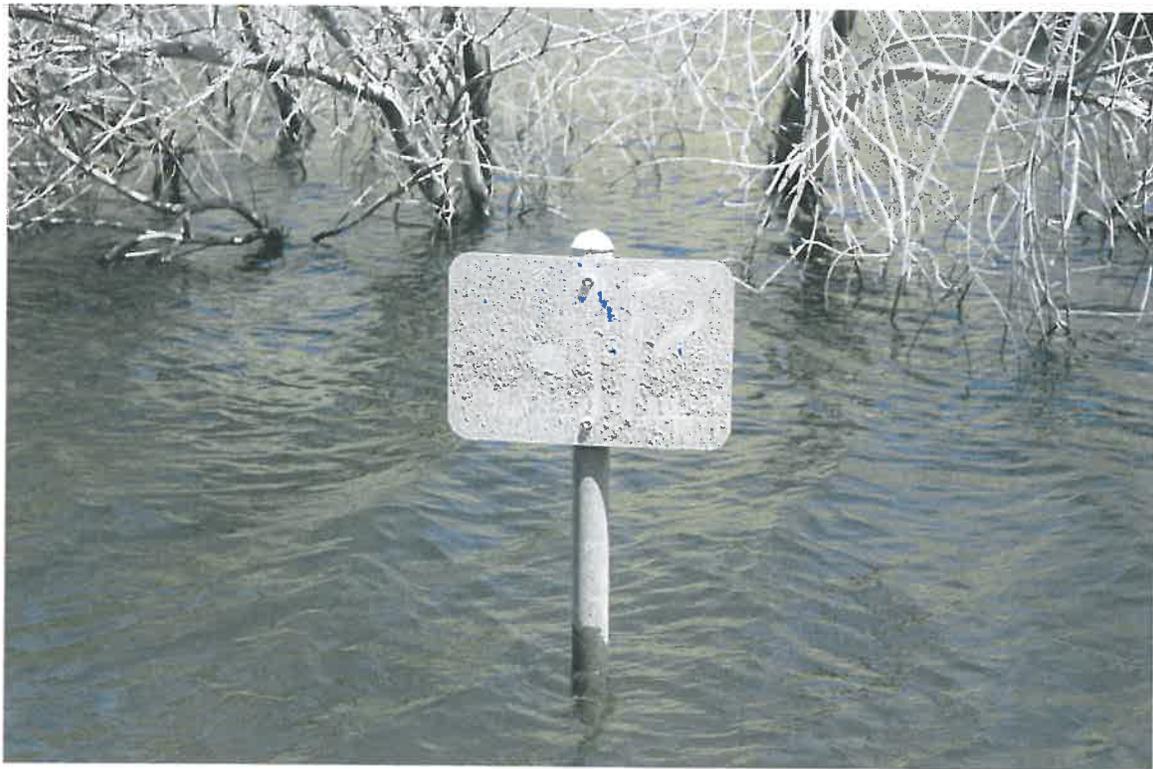
**Appendix D – Wetlands Area
Tourtelot Annual inspection Report
May 2012**

Photo of the Thorny Plants in the Wetlands



**Appendix D – Wetlands Area
Tourtelot Annual inspection Report
May 2012**

Protected Wetlands Signs | Photos from before and after maintenance



**Appendix D – Wetlands Area
Tourtelot Annual inspection Report
May 2012**



**Appendix D – Wetlands Area
Tourtelot Annual inspection Report
May 2012**

