

August 4, 2011

Larry McKenny
SAWPA

SUBJECT: Beneficial Use Assessment Surveys for Santa Ana Delhi Channel, July 12 – August 4, 2011 and for the Greenville Banning Channel

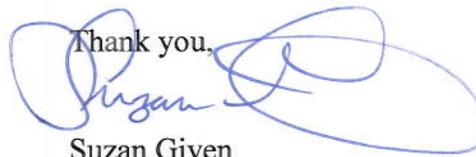
Dear Larry McKenny:

Attached please find results from four Beneficial Use/Recreational Use Surveys on 7/12/2011, 7/18/2011, 7/29/2011, 8/4/2011 for the Santa Ana Delhi Channel, and one from the Greenville-Banning Channel on 7/29/2011.

The sections of the channel evaluated include along the golf course, the bridge at the Upper Back Bay Nature Preserve, and the reach along Sunflower and Flower to Warner. The Greenville-Banning Channel was observed from the Santa Ana River bike path.

If you have any questions or comments regarding this report, please call Suzan Given at (714) 955-0654.

Thank you,



Suzan Given

BENEFICIAL USE/RECREATIONAL USE SURVEY FORM /UAA WATERS

1. Surveyor's name **Suzie Given** Date **7/12/2011 (12:55-13:20)**

2. Water body **SAD Channel** Location **Bridge at golf-course**

3. For the people observed (in a 30 minute time period), how many people are:

(A) Walking in channel): adults **0** children **0**

(B) Water contact Recreation adults **0** children **0**

Examples (wading, fishing, etc.) describe **NA**

(C) Non contact Recreation (bird watching, bicycle riding, jogging, or walking near channel, individuals looking into channel etc.) describe;

Approximately 25 golfers; 1 cyclist on dirt path

4. Describe evidence of people observed in the channel (graffiti, homeless encampment, fishing line, trails etc.)

NA

5. Describe wildlife observed in channel (type and number of birds, fish, turtles, etc.)

1 small fish (mosquito fish?)

6. Plant life observed in channel (algae, mosses, vascular plants such as cattails, willow trees, etc)

Algae

7. Describe water conditions: flow; depth, width, and velocity (if possible), tidal or fresh water. Water Clarity (murky or clear)

Clear fresh water. (depth app 0.5'; width app. 8.6'; velocity app. 1'/sec). Floating clumps of algae.

8. Security conditions (fencing, gates locked, signage), describe;

Golf course is fenced from access to path, which is also fenced from access to channel, except at access ramp near Irvine Ave.

9. Describe weather; wind, temp)

Sunny and warm (app. 80 degrees).

10. Describe surrounding area; residences, industrial area, schools, parks, recreational facilities such as bike trails, parks, or golf courses.

A dirt trail, golf course, and nearby residential area. Commercial area upstream of bridge at golf course.

11. Describe any photographs taken:

NA

12. other comments or clarifications, list below. **THANK YOU**

NA

BENEFICIAL USE/RECREATIONAL USE SURVEY FORM /UAA WATERS

1. Surveyor's name **Suzie Given** Date **7/12/2011 (13:25-13:55)**

2. Water body **SAD Channel** Location **Bridge at Nature Preserve**

3. For the people observed (in a 30 minute time period), how many people are:

(A) Walking in channel): adults **0** children **0**

(B) Water contact Recreation adults **0** children **0**

Examples (wading, fishing, etc.) describe **NA**

(C) Non contact Recreation (bird watching, bicycle riding, jogging, or walking near channel, individuals looking into channel etc.) describe;

Approximately 21 cyclists (1 on dirt); 13 hikers (inc. 2 children and 1 dog) on dirt paths; 6 walkers and 5 joggers on paved path. A group of approximately 6 downstream looking into the water.

4. Describe evidence of people observed in the channel (graffiti, homeless encampment, fishing line, trails etc.)

NA

5. Describe wildlife observed in channel (type and number of birds, fish, turtles, etc.)

Birds flying over channel include 2 birds of prey (osprey?), 1 heron, and song birds near channel

6. Plant life observed in channel (algae, mosses, vascular plants such as cattails, willow trees, etc)

Nuisance algae (length greater than 1 meter), vascular plants (bulrush, weeds, trees on banks)

7. Describe water conditions: flow; depth, width, and velocity (if possible), tidal or fresh water. Water Clarity (murky or clear)

Intertidal water. Murky.

8. Security conditions (fencing, gates locked, signage), describe;

Steep drop-off from dirt path to channel limits access to water

9. Describe weather; wind, temp)

Sunny and warm (app. 80 degrees).

10. Describe surrounding area; residences, industrial area, schools, parks, recreational facilities such as bike trails, parks, or golf courses.

[A dirt trail, golf course, and nearby residential area. Commercial area upstream of bridge at golf course.](#)

11. Describe any photographs taken:

NA

12. other comments or clarifications, list below. **THANK YOU**

NA

BENEFICIAL USE/RECREATIONAL USE SURVEY FORM /UAA WATERS

1. Surveyor's name **Suzie Given** Date **_7/12/2011 (14:03-15:23)_**
2. Water body **SAD Channel** Location **Sunflower to Flower/Warner**
3. For the people observed (in a 30 minute time period), how many people are:
- (A) Walking in channel): adults **0** children **0**
- (B) Water contact Recreation adults **0** children **0**
- Examples (wading, fishing, etc.) describe **NA**
- (C) Non contact Recreation (bird watching, bicycle riding, jogging, or walking near channel, individuals looking into channel etc.) describe;

Five cyclists (including 3 on sidewalk on channel side of Sunflower); Ten pedestrians from shopping complex walking on Sunflower toward SAD; Two walkers on path on Flower; Four walkers at Flower/Sunflower.

4. Describe evidence of people observed in the channel (graffiti, homeless encampment, fishing line, trails etc.)

NA

5. Describe wildlife observed in channel (type and number of birds, fish, turtles, etc.)

NA but songbirds near Bristol/Sunflower

6. Plant life observed in channel (algae, mosses, vascular plants such as cattails, willow trees, etc)

Weeds along bank along Flower. Algae at Warner.

7. Describe water conditions: flow; depth, width, and velocity (if possible), tidal or fresh water. Water Clarity (murky or clear)

Fresh. Murky upstream, especially near Alton, clarity improves at Sunflower, but still some turbidity.

Debris (leaves, plastic) in Channel at Warner.

8. Security conditions (fencing, gates locked, signage), describe;

Fence along Sunflower. Fence between Flower Ave and channel; fence on Flower between bike path and channel.

9. Describe weather; wind, temp)

Sunny and warm (app. 80 degrees).

10. Describe surrounding area; residences, industrial area, schools, parks, recreational facilities such as bike trails, parks, or golf courses.

Commercial, multi-family and single family residential, bike path, some industrial, a school up near Warner

11. Describe any photographs taken:

NA

12. other comments or clarifications, list below. **THANK YOU**

NA

BENEFICIAL USE/RECREATIONAL USE SURVEY FORM /UAA WATERS

1. Surveyor's name **Suzie Given** Date **_7/18/2011 (13:00-13:20)_**

2. Water body **SAD Channel** Location **Bridge at golf-course**

3. For the people observed (in a 30 minute time period), how many people are:

(A) Walking in channel): adults **0** children **0**

(B) Water contact Recreation adults **0** children **0**

Examples (wading, fishing, etc.) describe **NA**

(C) Non contact Recreation (bird watching, bicycle riding, jogging, or walking near channel, individuals looking into channel etc.) describe;

Approximately 15 golfers

4. Describe evidence of people observed in the channel (graffiti, homeless encampment, fishing line, trails etc.)

NA

5. Describe wildlife observed in channel (type and number of birds, fish, turtles, etc.)

mosquito fish

6. Plant life observed in channel (algae, mosses, vascular plants such as cattails, willow trees, etc)

Algae

7. Describe water conditions: flow; depth, width, and velocity (if possible), tidal or fresh water. Water Clarity (murky or clear)

Clear fresh water. (depth app 0.57'; width app. 10; velocity app. 6'/8 sec). Floating clumps of algae.

8. Security conditions (fencing, gates locked, signage), describe;

Golf course is fenced from access to path, which is also fenced from access to channel, except at access ramp near Irvine Ave.

9. Describe weather; wind, temp)

Sunny and hot

10. Describe surrounding area; residences, industrial area, schools, parks, recreational facilities such as bike trails, parks, or golf courses.

Paved and dirt trails. Upper Newport Bay Nature Preserve and Ecological Reserve. Residential area and a couple schools surrounding.

11. Describe any photographs taken:

NA

12. other comments or clarifications, list below. **THANK YOU**

NA

BENEFICIAL USE/RECREATIONAL USE SURVEY FORM /UAA WATERS

1. Surveyor's name **Suzie Given** Date **7/18/2011 (13:30-13:35)**

2. Water body **SAD Channel** Location **Bridge at Nature Preserve**

3. For the people observed (in a 30 minute time period), how many people are:

(A) Walking in channel): adults **0** children **0**

(B) Water contact Recreation adults **0** children **0**

Examples (wading, fishing, etc.) describe **NA**

(C) Non contact Recreation (bird watching, bicycle riding, jogging, or walking near channel, individuals looking into channel etc.) describe;

Approximately 5 cyclists and 2 joggers.

4. Describe evidence of people observed in the channel (graffiti, homeless encampment, fishing line, trails etc.)

NA

5. Describe wildlife observed in channel (type and number of birds, fish, turtles, etc.)

Birds flying over channel include 1 heron, and song birds near channel

6. Plant life observed in channel (algae, mosses, vascular plants such as cattails, willow trees, etc)

Patches of algae, vascular plants (bulrush, weeds, trees on banks)

7. Describe water conditions: flow; depth, width, and velocity (if possible), tidal or fresh water. Water Clarity (murky or clear)

Intertidal water. Murky and floating frothy scum (decayed algae, bubbles).

8. Security conditions (fencing, gates locked, signage), describe;

Steep drop-off from dirt path to channel limits access to water

9. Describe weather; wind, temp)

Sunny and hot

10. Describe surrounding area; residences, industrial area, schools, parks, recreational facilities such as bike trails, parks, or golf courses.

Paved and dirt trails. Upper Newport Bay Nature Preserve and Ecological Reserve. Residential area and a couple schools surrounding.

11. Describe any photographs taken:

See Figures 1a and 1b in Attachment, showing downstream and upstream of the bridge

12. other comments or clarifications, list below. **THANK YOU**

NA

BENEFICIAL USE/RECREATIONAL USE SURVEY FORM /UAA WATERS

1. Surveyor's name **Suzie Given** Date **7/18/2011 (13:45-14:10)**
2. Water body **SAD Channel** Location **Sunflower to Flower/Warner**
3. For the people observed (in a 30 minute time period), how many people are:
- (A) Walking in channel): adults **0** children **0**
- (B) Water contact Recreation adults **0** children **0**
- Examples (wading, fishing, etc.) describe **NA**
- (C) Non contact Recreation (bird watching, bicycle riding, jogging, or walking near channel, individuals looking into channel etc.) describe;

Approximately ten pedestrians along sidewalk.

4. Describe evidence of people observed in the channel (graffiti, homeless encampment, fishing line, trails etc.)

NA

5. Describe wildlife observed in channel (type and number of birds, fish, turtles, etc.)

NA but songbirds near Bristol/Sunflower

6. Plant life observed in channel (algae, mosses, vascular plants such as cattails, willow trees, etc)

Weeds along bank along Flower. Algae at Warner.

7. Describe water conditions: flow; depth, width, and velocity (if possible), tidal or fresh water. Water Clarity (murky or clear)

Fresh. Murky upstream, especially near Alton, clarity improves at Sunflower, but still some turbidity.

Debris (leaves, plastic) in Channel at Warner.

8. Security conditions (fencing, gates locked, signage), describe;

Fence along Sunflower. Fence between Flower Ave and channel; fence on Flower between bike path and channel.

9. Describe weather; wind, temp)

Hot

10. Describe surrounding area; residences, industrial area, schools, parks, recreational facilities such as bike trails, parks, or golf courses.

Commercial, multi-family and single family residential, bike path, some industrial, a school up near

Warner

11. Describe any photographs taken:

See Figures 2-4 in Attachment, which show Santa Ana Delhi Channel at Sunflower and Stevens, at Flower and Alton, and at Warner Ave.

12. other comments or clarifications, list below. **THANK YOU**

NA

BENEFICIAL USE/RECREATIONAL USE SURVEY FORM /UAA WATERS

1. Surveyor's name **Suzie Given** Date **_7/29/2011 (11:45-12:10)_**

2. Water body **SAD Channel** Location **Bridge at golf-course**

3. For the people observed (in a 30 minute time period), how many people are:

(A) Walking in channel): adults **0** children **0**

(B) Water contact Recreation adults **0** children **0**

Examples (wading, fishing, etc.) describe **NA**

(C) Non contact Recreation (bird watching, bicycle riding, jogging, or walking near channel, individuals looking into channel etc.) describe;

Approximately 15 golfers

4. Describe evidence of people observed in the channel (graffiti, homeless encampment, fishing line, trails etc.)

NA

5. Describe wildlife observed in channel (type and number of birds, fish, turtles, etc.)

mosquito fish

6. Plant life observed in channel (algae, mosses, vascular plants such as cattails, willow trees, etc)

Algae

7. Describe water conditions: flow; depth, width, and velocity (if possible), tidal or fresh water. Water Clarity (murky or clear)

Clear fresh water with suspended particles. (depth app 0.49'; width app. 10.4; velocity app. 6'/8 sec).

Floating clumps of algae.

8. Security conditions (fencing, gates locked, signage), describe;

Golf course is fenced from access to path, which is also fenced from access to channel, except at access ramp near Irvine Ave.

9. Describe weather; wind, temp)

Sunny and hot

10. Describe surrounding area; residences, industrial area, schools, parks, recreational facilities such as bike trails, parks, or golf courses.

A dirt trail, golf course, and nearby residential area. Commercial area upstream of bridge at golf course.

11. Describe any photographs taken:

NA

12. other comments or clarifications, list below. **THANK YOU**

NA

BENEFICIAL USE/RECREATIONAL USE SURVEY FORM /UAA WATERS

1. Surveyor's name **Suzie Given** Date **7/29/2011 (13:30-13:35)**

2. Water body **SAD Channel** Location **Bridge at Nature Preserve**

3. For the people observed (in a **5** minute time period), how many people are:

(A) Walking in channel): adults **0** children **0**

(B) Water contact Recreation adults **0** children **0**

Examples (wading, fishing, etc.) describe **NA**

(C) Non contact Recreation (bird watching, bicycle riding, jogging, or walking near channel, individuals looking into channel etc.) describe;

Approximately 5 cyclists and 2 joggers.

4. Describe evidence of people observed in the channel (graffiti, homeless encampment, fishing line, trails etc.)

NA

5. Describe wildlife observed in channel (type and number of birds, fish, turtles, etc.)

1 turtle; 2 fish

6. Plant life observed in channel (algae, mosses, vascular plants such as cattails, willow trees, etc)

Trees and weeds along banks. Sparse patches of algae.

7. Describe water conditions: flow; depth, width, and velocity (if possible), tidal or fresh water. Water Clarity (murky or clear)

Rising tidal action. Flowing landward. Water is murky.

8. Security conditions (fencing, gates locked, signage), describe;

Steep drop-off from dirt path to channel limits access to water

9. Describe weather; wind, temp)

Sunny and hot

10. Describe surrounding area; residences, industrial area, schools, parks, recreational facilities such as bike trails, parks, or golf courses.

Paved and dirt trails. Upper Newport Bay Nature Preserve and Ecological Reserve. Residential area and a couple schools surrounding.

11. Describe any photographs taken:

NA

12. other comments or clarifications, list below. **THANK YOU**

Chatted with OC Parks staff, Sue Stoeffel. She said she shows each month approximately 800-1000 school kids the wildlife in the channel. Wildlife observed includes horn snails, mullet, mallard, heron, egret, osprey. A camera has captured coyote, bobcats, weasel. She also indicated trash accumulates in the tidal prism, likely carried down from the watershed.

BENEFICIAL USE/RECREATIONAL USE SURVEY FORM /UAA WATERS

1. Surveyor's name **Suzie Given** Date **_7/29/2011 (12:40-13:00)_**
2. Water body **SAD Channel** Location **Sunflower to Flower/Warner**
3. For the people observed (in a 30 minute time period), how many people are:
- (A) Walking in channel): adults **0** children **0**
- (B) Water contact Recreation adults **0** children **0**
- Examples (wading, fishing, etc.) describe **NA**
- (C) Non contact Recreation (bird watching, bicycle riding, jogging, or walking near channel, individuals looking into channel etc.) describe;

One cyclist, and approximately seven pedestrians

4. Describe evidence of people observed in the channel (graffiti, homeless encampment, fishing line, trails etc.)

NA

5. Describe wildlife observed in channel (type and number of birds, fish, turtles, etc.)

NA

6. Plant life observed in channel (algae, mosses, vascular plants such as cattails, willow trees, etc)

Weeds along bank along Flower. Algae at Warner.

7. Describe water conditions: flow; depth, width, and velocity (if possible), tidal or fresh water. Water Clarity (murky or clear)

Fresh. Murky upstream, especially near Alton, clarity improves at Sunflower, but still some turbidity.

Debris (leaves, plastic) in Channel at Warner.

8. Security conditions (fencing, gates locked, signage), describe;

Fence along Sunflower. Fence between Flower Ave and channel; fence on Flower between bike path and channel.

9. Describe weather; wind, temp)

Hot

10. Describe surrounding area; residences, industrial area, schools, parks, recreational facilities such as bike trails, parks, or golf courses.

Commercial, multi-family and single family residential, bike path, some industrial, a school up near

Warner

11. Describe any photographs taken:

NA

12. other comments or clarifications, list below. **THANK YOU**

The confluence of F01 and F02 is on Sunflower near Stevens. There was trash (plastic bags, disposable cups) in F02.

BENEFICIAL USE/RECREATIONAL USE SURVEY FORM /UAA WATERS

1. Surveyor's name **Suzie Given** Date **_8/04/2011 (13:05-13:35)_**
2. Water body **SAD Channel** Location **Bridge at golf-course and downstream at Anniversay and Golden**

3. For the people observed (in a 30 minute time period), how many people are:

(A) Walking in channel): adults **0** children **0**

(B) Water contact Recreation adults **0** children **0**

Examples (wading, fishing, etc.) describe **NA**

(C) Non contact Recreation (bird watching, bicycle riding, jogging, or walking near channel, individuals looking into channel etc.) describe;

Approximately 21 golfers

4. Describe evidence of people observed in the channel (graffiti, homeless encampment, fishing line, trails etc.)

NA

5. Describe wildlife observed in channel (type and number of birds, fish, turtles, etc.)

None at golf course bridge. At Anniversay and Golden, there were 2 fish and 2 turtles.

6. Plant life observed in channel (algae, mosses, vascular plants such as cattails, willow trees, etc)

Algae caught at channel depth gauge at the golf course. Algae downstream.

7. Describe water conditions: flow; depth, width, and velocity (if possible), tidal or fresh water. Water Clarity (murky or clear)

Clear fresh water with suspended particles at golf course bridge (depth app 0.55'; width app. 10; velocity app. 6'/8 sec). Water was murky at Anniversay/Golden.

8. Security conditions (fencing, gates locked, signage), describe;

Golf course is fenced from access to path, which is also fenced from access to channel, except at access ramp near Irvine Ave.

9. Describe weather; wind, temp)

Sunny and warm

10. Describe surrounding area; residences, industrial area, schools, parks, recreational facilities such as bike trails, parks, or golf courses.

A dirt trail, golf course, and nearby residential area. Commercial area upstream of bridge at golf course.

Anniversary and Golden downstream of golf-course bridge, still parallels golf course. A residential neighborhood is on the opposite side of the channel.

11. Describe any photographs taken:

See Figures 5 and 6, respectively showing the algae at the in-channel flow height staff and the channel at Anniversary and Golden.

12. other comments or clarifications, list below. **THANK YOU**

NA

BENEFICIAL USE/RECREATIONAL USE SURVEY FORM /UAA WATERS

1. Surveyor's name **Suzie Given** Date **_8/04/2011 (13:40-13:45)_**

2. Water body **SAD Channel** Location **Bridge at Nature Preserve**

3. For the people observed (in a **5** minute time period), how many people are:

(A) Walking in channel): adults **0** children **0**

(B) Water contact Recreation adults **0** children **0**

Examples (wading, fishing, etc.) describe **NA**

(C) Non contact Recreation (bird watching, bicycle riding, jogging, or walking near channel, individuals looking into channel etc.) describe;

Approximately 5 cyclists and 3 walkers, and 3 on horse-back.

4. Describe evidence of people observed in the channel (graffiti, homeless encampment, fishing line, trails etc.)

NA

5. Describe wildlife observed in channel (type and number of birds, fish, turtles, etc.)

NA

6. Plant life observed in channel (algae, mosses, vascular plants such as cattails, willow trees, etc)

Trees and weeds along banks. Sparse patches of algae.

7. Describe water conditions: flow; depth, width, and velocity (if possible), tidal or fresh water. Water Clarity (murky or clear)

Water is murky with floating scum and decayed algae.

8. Security conditions (fencing, gates locked, signage), describe;

Steep drop-off from dirt path to channel limits access to water

9. Describe weather; wind, temp)

Sunny and hot

10. Describe surrounding area; residences, industrial area, schools, parks, recreational facilities such as bike trails, parks, or golf courses.

Paved and dirt trails. Upper Newport Bay Nature Preserve and Ecological Reserve. Residential area and a couple schools surrounding.

11. Describe any photographs taken:

See Figures 7a and 7b in the Attachment, which show downstream and upstream at the bridge.

12. other comments or clarifications, list below. **THANK YOU**

BENEFICIAL USE/RECREATIONAL USE SURVEY FORM /UAA WATERS

1. Surveyor's name **Suzie Given** Date **_8/04/2011 (14:00-14:30)_**
2. Water body **SAD Channel** Location **Sunflower to Flower and Warner**

3. For the people observed (in a 30 minute time period), how many people are:

(A) Walking in channel): adults **0** children **0**

(B) Water contact Recreation adults **0** children **0**

Examples (wading, fishing, etc.) describe **NA**

(C) Non contact Recreation (bird watching, bicycle riding, jogging, or walking near channel, individuals looking into channel etc.) describe;

Five pedestrians near Sunflower and Stevens

4. Describe evidence of people observed in the channel (graffiti, homeless encampment, fishing line, trails etc.)

NA

5. Describe wildlife observed in channel (type and number of birds, fish, turtles, etc.)

NA

6. Plant life observed in channel (algae, mosses, vascular plants such as cattails, willow trees, etc)

Algae in along edges of channel along Sunflower, and decayed algae accumulating on the bottom of the channel. Algae observed at Flower and MacArthur and at Warner. Weeds in channel at Sunflower and along bank at Flower. Algae at Warner.

7. Describe water conditions: flow; depth, width, and velocity (if possible), tidal or fresh water. Water Clarity (murky or clear)

Fresh. Murky upstream, especially near Alton, clarity improves at Sunflower, but still some turbidity. Debris (leaves, plastic) in Channel at Warner.

8. Security conditions (fencing, gates locked, signage), describe;

Fence along Sunflower. Fence between Flower Ave and channel; fence on Flower between bike path and channel.

9. Describe weather; wind, temp)

Hot

10. Describe surrounding area; residences, industrial area, schools, parks, recreational facilities such as bike trails, parks, or golf courses.

Commercial, multi-family and single family residential, bike path, some industrial, a school up near Warner

11. Describe any photographs taken:

See Figures 8-11 in the Attachment, which F01 near the confluence with F02 at Stevens, F02, F01 at MacArthur, Alton, and Warner.

12. other comments or clarifications, list below. **THANK YOU**

The confluence of F01 and F02 is on Sunflower near Stevens. There was algae accumulating in F02.

BENEFICIAL USE/RECREATIONAL USE SURVEY FORM /UAA WATERS

1. Surveyor's name **Suzie Given** Date **_7/29/2011 (16:30-16:50)_**
2. Water body **Greenville-Banning Channel** Location **Observations made from the Santa Ana River Trail bike path from Gisler to PCH (Mile 4 on bike path to PCH).**
3. For the people observed (in a 30 minute time period), how many people are:
- (A) Walking in channel): adults **0** children **0**
- (B) Water contact Recreation adults **0** children **0**
- Examples (wading, fishing, etc.) describe **NA**
- (C) Non contact Recreation (bird watching, bicycle riding, jogging, or walking near channel, individuals looking into channel etc.) describe;

Approximately 20 cyclists, three walkers

4. Describe evidence of people observed in the channel (graffiti, homeless encampment, fishing line, trails etc.)
- NA**

5. Describe wildlife observed in channel (type and number of birds, fish, turtles, etc.)
- NA**

6. Plant life observed in channel (algae, mosses, vascular plants such as cattails, willow trees, etc)
- Algae at approximately mile 4 near golf course.**

7. Describe water conditions: flow; depth, width, and velocity (if possible), tidal or fresh water. Water Clarity (murky or clear)

Deep, murky water near golf course (mile 3.5) to dam; clear and shallow below dam to marsh. Edges of channel only wet upstream of golf course.

8. Security conditions (fencing, gates locked, signage), describe;
- Fence**

9. Describe weather; wind, temp)

Warm

10. Describe surrounding area; residences, industrial area, schools, parks, recreational facilities such as bike trails, parks, or golf courses.

Golf-course (Mesa Verde Country Club), Parks (Talbert Regional Park, Fairview Park,

11. Describe any photographs taken:

NA

12. other comments or clarifications, list below. **THANK YOU**

ATTACHMENT

Figure 1a) Santa Ana Delhi Channel, at bridge at the Nature Preserve, downstream



Figure 1b) Santa Ana Delhi Channel, at bridge at the Nature Preserve, upstream



Figure 2a) Santa Ana Delhi Channel, at Sunflower downstream toward Bristol



Figure 2b) Santa Ana Delhi Channel, at Sunflower upstream toward Flower



Figure 3c) Santa Ana Delhi Channel, upstream at Flower and Alton (debris on bike path)



Figure 4) Santa Ana Delhi Channel, Warner Ave.



Figure 3a) Santa Ana Delhi Channel, downstream at Flower and Alton



Figure 3b) Santa Ana Delhi Channel, upstream at Flower and Alton



Figure 5) Santa Ana Delhi Channel, algae at in-channel staff at golf course bridge



Figure 6) Santa Ana Delhi Channel, Anniversary and Golden



Figure 7a) Santa Ana Delhi Channel, at bridge at the Nature Preserve, downstream



Figure 7b) Santa Ana Delhi Channel, at bridge at the Nature Preserve, upstream



Figure 8a) Santa Ana Delhi Channel, at Sunflower and Stevens near confluence with F02



Figure 8b) F02, near confluence with F01 at Sunflower and Stevens



Figure 9) Santa Ana Delhi Channel, Flower and MacArthur



Figure 10) Santa Ana Delhi Channel, Flower and Alton



Figure 11) Santa Ana Delhi Channel, Flower and Warner

