

Initial Study

Weeding of the Tiburon Open Space For Protection of Sensitive Plants



Town of Tiburon
1505 Tiburon Boulevard
Tiburon, CA 94920

January 2018

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NEGATIVE DECLARATION (DRAFT)

TO: _____ Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

_____ County Clerk (Administration), Marin County

FROM: Town of Tiburon Community Development Department
1505 Tiburon Blvd.
Tiburon, CA 94920

Project Title: The Tiburon Open Space Weeding

Proponent: Town of Tiburon

Project Location: Tiburon, CA 94920

Project Description:

Project Purpose. In November 2010, the Tiburon Town Council adopted an Open Space Resource Management Plan for the roughly 250 acres of public open space held by the Town. The Town Council also adopted a mitigated negative declaration for the plan. A mitigation measure associated with the plan approval restricted vegetation management activities to periods when the special status plants occurring nearby were dormant. Non-native and invasive plant species have been encroaching on the special status plants, affecting their viability (Eva Buxton, pers. comm., various dates). This is particularly critical for the Tiburon jewelflower (*Streptanthus glandulosus ssp. niger*) (federal and state endangered, CNPS List 1B.1), which does not tolerate competition or shading when it is young (Swope, S. PhD. June 2017). Therefore, weeding when special status plants are active is necessary to protect those individuals. The primary goals of the weeding activities will be to avoid special status plant species while improving their habitat. No “take” of special status plant species is anticipated to occur.

What. The main focus of the weeding effort will be on the Tiburon jewelflower. However, given that Marin dwarf flax (*Hesperolinon congestum*) (federal and state threatened, CNPS 1B.1) and Tiburon buckwheat (*Eriogonum luteolum ssp. caninum*) (no federal or state status, CNPS 1B.2) plants occur in similar habitat, weeding in areas near these individuals will be conducted. The primary weeds are the non-native grasses, generally wheat (*Avena spp.*) and ryegrass (*Festuca perennis*). Some non-native forbs such as prickly lettuce (*Lactuca serriola*), smooth cat’s ear (*Hypochaeris glabra*) may also be removed.

Where. Work will primarily occur on the Middle Ridge area of the Tiburon peninsula, where special status plant species occur, although the weeding project applies to all open spaces addressed in the Tiburon Open Space Resource Management Plan.

When. The starting date will depend on the rainfall pattern of a particular year. It typically will begin in early February, when the young Tiburon jewelflower individual plants are visible. For the other special status plant species, weeding will occur when those plants are identifiable.

How.

Methods. The weeding activities will involve hand removing existing weedy vegetation near special status plants. No slopes would be left bare enough to result in erosion. The weeded plant material and debris will be removed from the site and disposed of properly.

Documentation. The biologist overseeing the weeding will write a brief memo including the following and submit it to the Town of Tiburon for the Town’s records.

- A brief text describing the work that was done and noting any observations.
- The dates that weeding was conducted.
- A map showing area that was weeded.
- Photos taken before and after weeding.
- The qualifications of the biologist overseeing the weeding and the field personnel conducting the weeding. The qualifications should show that those involved can accurately identify the sensitive plants and weeds.

Monitoring. Annual sensitive plant population monitoring will be conducted annually for 2 years following weeding. Methods will be similar to the California Fish and Wildlife Rare Plant Guidelines (CDFW 2000) or most recent guidance. The results of the monitoring will be submitted to CNDDDB, as appropriate, per standard protocol.

Who. Weeding will be supervised by a qualified biologist with expertise in identifying the open space’s sensitive plants species during the various phases of plant phenology (seedling to senescence). That biologist will also have sufficient proficiency to perform early detection surveys for sensitive plants and identify non-native grass species and weedy forbs during the weeding and instruct the individuals conducting the weeding.

Finding: Based on the attached Initial Study, it has been determined that the proposed project would not result in a significant, adverse environmental effect.

Signature:

Scott Anderson, Director of Community Development
Town of Tiburon
1505 Tiburon Boulevard
Tiburon, CA 94920

Date

A. PROJECT DESCRIPTION

1. **Project Title:** Tiburon Open Space Weeding
2. **Lead Agency Name and Address:**
Town of Tiburon
1505 Tiburon Boulevard
Tiburon, CA 94920
3. **Contact Person and Phone Number:**
Scott Anderson, Director of Community Development (415) 435-7392
4. **Project Location:**
Town of Tiburon, CA
5. **Project Sponsor's Name and Address:**
Town of Tiburon
1505 Tiburon Boulevard
Tiburon, CA 94920
6. **Person Preparing the Submission/Initial Study Checklist**
Micki Kelly
Kelly Biological Consulting
Phone: (415) 482-9703
Email: Kellybio@att.net
7. **Project Number:** File #S2017-03
8. **Assessor Parcel No.** Town-wide project potentially (See Figure 1)
9. **Type of Approval Sought:** NA (Town action of Town land)
10. **Size of Subject Property:** Primary focus in on parcels 21-26 in the Middle Ridge area of Tiburon (see Figure 1), where special status plant species occur on Town-held open space parcels. These parcels comprise roughly 70 acres of the approximately 250 acres of Town-held open space distributed throughout the Town of Tiburon, with special status plants generally confined to limited serpentine soil areas on these few parcels.
11. **Present and Previous Use of Site or Structures:** Town-owned open space consists of native and non-native vegetation on undeveloped open space parcels used for passive recreational purposes.
12. **General Plan Designation:** Open Space (OS).
13. **Zoning:** Open Space (OS).
14. **Project:**

Project Purpose. A mitigation measure in the mitigated negative declaration adopted for the Tiburon Open Space Management Plan restricted vegetation management activities to periods when the special status plants occurring nearby were dormant (Town of Tiburon, 2010). According to the mitigation measure, subsequent environmental review would be required for specific open space management activities that could affect the special status plants during non-dormant periods. Non-native and invasive plant species have been encroaching

on the special status plants, affecting their viability (Eva Buxton, pers. comm., various dates). This is particularly critical for the Tiburon jewelflower (*Streptanthus glandulosus ssp. niger*) (federal and state endangered, CNPS List 1B.1), which does not tolerate competition or shading when it is young (Swope, S. PhD. June 2017). Therefore, weeding when special status plants are active is necessary to protect those individuals. The primary goals of the weeding activities will be to avoid special status plant species while improving their habitat. No “take” of special status plants is anticipated to occur.

What. The main focus of the weeding effort will be on protecting and improving the habitat of the Tiburon jewelflower. However, given that Marin dwarf flax (*Hesperolinon congestum*) (federal and state threatened, CNPS 1B.1) and Tiburon buckwheat (*Eriogonum luteolum ssp. caninum*) (no federal or state status, CNPS 1B.2) plants occur in similar habitat, weeding in areas near these individuals will be conducted. The primary weeds impinging on the habitats of the special status species are non-native grasses, generally wheat (*Avena* spp.) and ryegrass (*Festuca perennis*). Some non-native forbs such as prickly lettuce (*Lactuca serriola*), smooth cat’s ear (*Hypochaeris glabra*) may also be removed.

Where. Work will primarily occur in the Middle Ridge area of Tiburon, as described above.

When. The starting date will depend on the rainfall pattern of a particular year. It typically will begin in early February, when the young Tiburon jewelflower individual plants are visible. For the other special status plant species, weeding will occur when those plants are identifiable.

How.

Methods. The weeding activities will involve hand removing existing weedy vegetation near special status plants. No slopes would be left bare enough to result in erosion. The weeded plant material and debris will be removed from the site and disposed of properly.

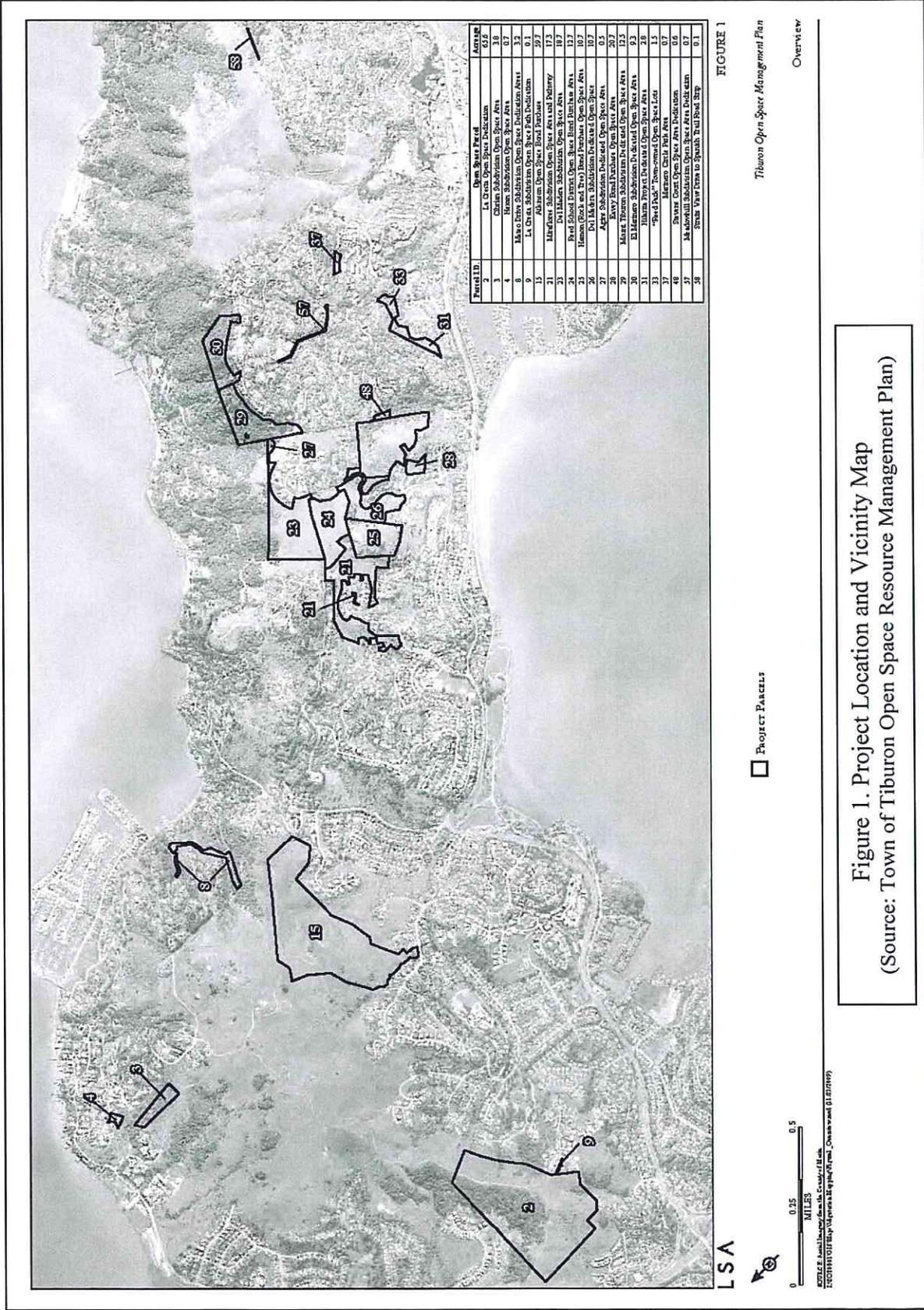
Documentation. The biologist overseeing the weeding will write a brief memo including the following and submit it to the Town of Tiburon for the Town’s records.

- A brief text describing the work that was done and noting any observations.
- The dates that weeding was conducted.
- A map showing area that was weeded.
- Photos taken before and after weeding.
- The qualifications of the biologist overseeing the weeding and the field personnel conducting the weeding. The qualifications should show that those involved can accurately identify the sensitive plants and weeds.

Monitoring. Annual sensitive plant population monitoring will be conducted annually for 2 years following weeding. Methods will be similar to the California Fish and Wildlife Rare Plant Guidelines (CDFW 2000) or most recent guidance. The results of the monitoring will be submitted to CNDDDB, as appropriate, per standard protocol.

Who. Weeding will be supervised by a qualified biologist with expertise in identifying the open space’s sensitive plants species during the various phases of plant phenology (seedling to senescence). That biologist will also have sufficient proficiency to perform early detection surveys for sensitive plants and identify non-native grass species and weedy forbs during the weeding and instruct the individuals conducting the weeding.

15. **Surrounding Land Uses and Setting:** Town-owned open space borders single-family and multi-family residential neighborhoods, undeveloped residential parcels and other open space land.
16. **Other agencies or utility providers whose approval is required** (e.g., permits, financing approval, or participation agreement.): None.



Parcel ID	Open Space Parcel	Acres
2	La Costa Open Space Dedication	65.2
3	Charm Subdivision Open Space Area	3.8
4	La Costa Open Space	3.8
5	Charm Subdivision Open Space	3.8
6	Maple Ridge Subdivision Open Space	3.2
7	Maple Ridge Subdivision Open Space	3.2
8	Maple Ridge Subdivision Open Space	3.2
9	La Costa Subdivision Open Space Fish Pond	0.1
10	La Costa Subdivision Open Space	0.1
11	Alhambra Open Space Bond Purchase	19.7
12	Alhambra Subdivision Open Space and Pathway	17.2
13	Diablo Subdivision Open Space Area	19.7
14	Diablo Subdivision Open Space Area	17.2
15	Diablo Subdivision Open Space Area	17.2
16	Diablo Subdivision Open Space Area	17.2
17	Diablo Subdivision Open Space Area	17.2
18	Diablo Subdivision Open Space Area	17.2
19	Diablo Subdivision Open Space Area	17.2
20	Diablo Subdivision Open Space Area	17.2
21	Diablo Subdivision Open Space Area	17.2
22	Diablo Subdivision Open Space Area	17.2
23	Diablo Subdivision Open Space Area	17.2
24	Diablo Subdivision Open Space Area	17.2
25	Diablo Subdivision Open Space Area	17.2
26	Diablo Subdivision Open Space Area	17.2
27	Diablo Subdivision Open Space Area	17.2
28	Diablo Subdivision Open Space Area	17.2
29	Diablo Subdivision Open Space Area	17.2
30	Diablo Subdivision Open Space Area	17.2
31	Diablo Subdivision Open Space Area	17.2
32	Diablo Subdivision Open Space Area	17.2
33	Diablo Subdivision Open Space Area	17.2
34	Diablo Subdivision Open Space Area	17.2
35	Diablo Subdivision Open Space Area	17.2
36	Diablo Subdivision Open Space Area	17.2
37	Diablo Subdivision Open Space Area	17.2
38	Diablo Subdivision Open Space Area	17.2

Figure 1. Project Location and Vicinity Map
 (Source: Town of Tiburon Open Space Resource Management Plan)

B. ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- | | | |
|---|---|---|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture & Forestry Resources | <input type="checkbox"/> Air Quality |
| <input type="checkbox"/> Biological Resources | <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology /Soils |
| <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Hydrology / Water Quality |
| <input type="checkbox"/> Land Use / Planning | <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Noise |
| <input type="checkbox"/> Population / Housing | <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation |
| <input type="checkbox"/> Transportation / Traffic | <input type="checkbox"/> Utilities / Service Systems | <input type="checkbox"/> Mandatory Findings of Significance |

DETERMINATION:

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an EARLIER EIR or NEGATIVE DECLARATION pursuant to applicable legal standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Scott Anderson

February 7, 2018
Date

Scott Anderson, Director
Town of Tiburon Department of Community Development.

EVALUATION OF ENVIRONMENTAL IMPACTS

Note: For each topic listed below, a reference source was used to complete the Environmental Checklist. The reference sources are listed by number in Section C of this document.

	Potentially Significant Impact	Less-Than- Significant With Mitigation Incorporation	Less-Than- Significant Impact	No Impact
--	--------------------------------------	---	----------------------------------	--------------

I. AESTHETICS

Would the project:

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <i>a. Have a substantial adverse effect on a scenic vista?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The proposed weeding activities will protect and improve vistas of Town-owned open space lands and therefore would not adversely affect a scenic resource. (Source: 1)

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <i>b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The proposed weeding activities will protect and improve vistas of Town-owned open space lands and therefore would not adversely affect a scenic resource. (Source: 1)

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <i>c. Substantially degrade the existing visual character or quality of the site and its surroundings?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The proposed weeding activities will protect and improve vistas of Town-owned open space lands and therefore would not adversely affect a scenic resource. (Source: 1)

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <i>d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The project will not involve installation of light sources on any property and therefore would not create any new sources of substantial light or glare. There would be no impact.

Potentially Significant Impact	Less-Than- Significant With Mitigation Incorporation	Less-Than- Significant Impact	No Impact
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II. AGRICULTURE

Would the project: {In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland.}

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <p>a. <i>Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?</i></p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

There is no land within the Town of Tiburon which is shown as Prime Farmland, Unique Farmland or Farmland of Statewide Importance on the Marin County Important Farmland 2000 map produced by the State Department of Conversation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program. There would be no impact. (Source: 2)

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <p>b. <i>Conflict with existing zoning for agricultural use, or a Williamson Act contract?</i></p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The Town of Tiburon has no land zoned for agricultural use or under a Williamson Act contract. (Source: 2)

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <p>c. <i>Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?</i></p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

There is no agricultural land within the Town of Tiburon that could be converted non-agricultural use. (Source: 2)

Potentially Significant Impact	Less-Than- Significant With Mitigation Incorporation	Less-Than- Significant Impact	No Impact
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III. AIR QUALITY

Would the project:

- a. *Conflict with or obstruct implementation of the applicable air quality plan?*

Discussion:

The hand weeding proposed by the project would not conflict with or obstruct implementation of the *Bay Area Clean Air Plan* (BAAQMD, 2017). There would no impact. (Sources: 3).

- b. *Violate any air quality standard or contribute substantially to an existing or projected air quality violation?*

Discussion:

The hand weeding proposed by the project would not conflict with or obstruct implementation of the *Bay Area Clean Air Plan* (BAAQMD, 2017). There would no impact. (Sources: 3)

- c. *Result in a cumulatively considerable net increase in any criteria pollutant for which the project region is non – attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?*

Discussion:

The hand weeding proposed by the project would not conflict with or obstruct implementation of the *Bay Area Clean Air Plan* (BAAQMD, 2017). There would no impact. (Sources: 3)

- d. *Expose sensitive receptors to substantial pollutant concentrations?*

Discussion:

The hand weeding activities proposed by the project would not expose sensitive receptors to substantial pollutant concentrations. The only sensitive receptors bordering Tiburon’s open space areas are Reed Elementary School, adjacent to the Reed Park Open Space and two properties developed with religious places of worship that include children’s daycare facilities. There would no impact. (Sources: 1, 2, 3)

- e. *Create objectionable odors affecting a substantial number of people?*

Potentially Significant Impact	Less-Than- Significant With Mitigation Incorporation	Less-Than- Significant Impact	No Impact
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Discussion:

The hand weeding activities proposed by the project would not create objectionable odors affecting a substantial number of people. (Sources: 1, 3)

- f. *Generate greenhouse gases (GHG) that would adversely affect the Earth's climate and aggravate global climate change (GCC)?*

Discussion:

Weeding will be done by hand. Exhaust from vehicles used to get to the site would not generate substantial enough greenhouse gases to adversely affect the Earth's climate and aggravate global climate change. There would be a less-than-significant impact. . (Sources: 1, 3)

IV. BIOLOGICAL RESOURCES

Would the project:

- a. *Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?*

Discussion:

Some of the Town open space parcels support populations of Tiburon jewelflower (*Streptanthus glandulosus ssp. niger*) (federal and state endangered, CNPS List 1B.1), Marin dwarf flax (*Hesperolinon congestum*) (federal and state threatened, CNPS 1B.1), Tiburon buckwheat (*Eriogonum luteolum ssp. caninum*) (no federal or state status, CNPS 1B.2), Tiburon paintbrush (*Castilleja affinis var. neglecta*) (federal endangered, state endangered, CNPS 1B.1), (federal threatened, state threatened, CNPS 1B.1), marsh zigadene (*Toxicoscordion fontanum*) (no federal or state rank, CPS 4.2), and Tiburon microblind harvestman (*Microcina tiburona*) (no federal or state rank, state list of special animals).

Tiburon jewelflower habitat is especially threatened by non-native grasses in the Middle Ridge Area. The weeding may also benefit Marin dwarf flax, and Tiburon buckwheat. The proposed hand weeding activities will avoid special status species, while reducing the non-native grasses impact on those species.

Weeding will be supervised by a qualified biologist with expertise in identifying the open space's sensitive plants species during the various phases of plant phenology (seedling to senescence). That individual will also have sufficient proficiency to perform early detection surveys for sensitive plants and identify non-native grass species and weedy forbs during the weeding. The project will have a beneficial effect on the sensitive plants. (Sources: 1, 2, 8, 9, 10)

- b. *Have a substantial adverse effect on any riparian habitat or other sensitive natural*

Potentially Significant Impact	Less-Than- Significant With Mitigation Incorporation	Less-Than- Significant Impact	No Impact
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community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or US Fish and Wildlife Service?

Discussion:

See discussion in IV.a. above.

c. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	--------------------------	-------------------------------------

Discussion:

The project will not involve filling, removing soil, hydrological interruption, or other affects on federally protected wetlands, as no such wetlands exist on Town-owned open space. There would be no impact. (Sources: 1, 2)

d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	--------------------------	-------------------------------------

Discussion:

The weeding activities will not interfere with the movement of fish or wildlife or affect wildlife corridors or nursery sites. (Sources: 1, 2)

e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	-------------------------------------	--------------------------

Discussion:

The Town’s Open Space Resource Management Plan emphasizes fire fuel reduction. However, it also lists “Preserve native species, including special-status species, and sensitive habitats” as a management priority. A mitigation measure in Town’s CEQA document for the Open Space Resource Management Plan limits activities near the special status plants to when those plants are dormant. Non-native grasses can grow faster than the special status plants, shading and outcompeting the individual special status plants. The annual Tiburon jewelflower individuals are particularly at risk to damaging competition when they are young. Weeding when the special status plants are growing, reduces the risk of the weeds harming the special status plants. (Sources: 1, 8, 9)

f. Conflict with the provisions of an adopted

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporation	Less-Than-Significant Impact	No Impact
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Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

Discussion:

There are no adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other adopted local, regional, or state Habitat Conservation Plan which includes land within the Town of Tiburon. There would be no impact. (Sources: 1, 2)

V. CULTURAL RESOURCES

Would the project:

- | | | | | |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| <i>a. Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|

Discussion:

The hand weeding activities proposed by the project would not involve any grading or disruption of soil that would be likely to unearth cultural or historical resources on Town-owned open space. There would be a less-than-significant impact. (Sources: 1, 2)

- | | | | | |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| <i>b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|

Discussion:

See discussion in V.a. above.(Sources: 1, 2)

- | | | | | |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| <i>c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|

Discussion:

See discussion in V.a. above.(Sources: 1, 2)

- | | | | | |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|
| <i>d. Disturb any human remains, including those interred outside of formal cemeteries?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|--------------------------|

Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporation	Less-Than-Significant Impact	No Impact
--------------------------------	---	------------------------------	-----------

Discussion:

See discussion in V.a. above. In the event that human remains are encountered, the state shall contact the Marin County Coroner in accordance with Section 7050.5 of the State Health and Safety Code. (Sources: 1, 2)

VI. GEOLOGY AND SOILS

Would the project:

a. *Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:*

i. *Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.*

Discussion:

There are no Alquist-Priolo Earthquake Fault Zones within the Town of Tiburon and the town is not near any known active faults. The nearest known active faults are the San Andreas fault, about 8 miles to the southwest, and the Hayward fault, about 8 miles to the northeast. Therefore, the potential for fault surface rupture (as opposed to ground shaking) within the Town limits is low. There would be no impact. (Sources: 1, 2)

ii. *Strong seismic ground shaking?*

Discussion:

The weeding activities proposed by the project would not expose people or structures to potential substantial adverse impacts due to strong seismic ground shaking. There would be no impact. (Sources: 1, 2)

iii. *Seismic related ground failure, including liquefaction?*

Discussion:

The weeding activities proposed by the project would not expose people or structures to potential substantial adverse impacts due to seismic related ground failure or liquefaction. There would be no impact. (Sources: 1, 2)

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporation	Less-Than-Significant Impact	No Impact
iv. <i>Landslides?</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

The hand weeding activities proposed by the project would not involve grading or significant soil disturbance that would result in landslide and/or debris flows. (Sources: 1)

b. <i>Result in substantial soil erosion or the loss of topsoil?</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Discussion:

The weeding activities include clearing of amounts of existing vegetation near special status plants. No slopes would be left bare enough to result in substantial erosion. (Sources: 1)

c. <i>Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on, or off, site landslide, lateral spreading, subsidence, liquefaction or collapse?</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--	--------------------------	--------------------------	--------------------------	-------------------------------------

Discussion:

See discussion in VI. above. (Sources: 1, 2)

d. <i>Be located on expansive soil creating substantial risks to life or property?</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--	--------------------------	--------------------------	--------------------------	-------------------------------------

Discussion:

There are no known areas of expansive soil on Town-owned open space areas. There would be no impact. (Sources: 1, 2)

e. <i>Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion:

The weeding activities proposed by the project would not involve any property involving or supporting the use of septic tanks or alternative wastewater disposal systems. There would be no impact. (Sources: 2)

Potentially Significant Impact	Less-Than- Significant With Mitigation Incorporation	Less-Than- Significant Impact	No Impact
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VII. HAZARDS AND HAZARDOUS MATERIALS

Would the project:

- a. *Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?*
- | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The weeding activities proposed by the project will be done by hand. No hazardous materials will be used. There will be no impact. (Sources: 1)

- b. *Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?*
- | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

See discussion in VII.a. above. There will be no impact. (Sources: 1)

- c. *Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?*
- | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

There are four existing schools, but no proposed schools, within one-quarter mile of Town-owned open space. See discussion in VII.a. above. There will be no impact. (Sources: 2)

- d. *Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?*
- | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The weeding activities proposed by the project would not involve any property that is included on a list of hazardous materials sites. There would be no impact. (Sources: 1, 6)

- e. *For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or*
- | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|-------------------------------------|

Potentially Significant Impact	Less-Than- Significant With Mitigation Incorporation	Less-Than- Significant Impact	No Impact
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public use airport, would the project result in a safety hazard for people residing or working in the project area?

Discussion:

There is no public airport within two miles of the Town of Tiburon. The nearest public airport is Gnos Field which is approximately 12 miles north of Tiburon. There would be no impact. (Source: 2)

f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

Discussion:

No airstrips are located in the Town of Tiburon. The nearest private airstrip is located at Smith Ranch, which is approximately eight (8) miles north of Tiburon. There would be no impact. (Source: 2)

g. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Discussion:

The weeding activities proposed by the project would not interfere with or impair implementation of an adopted emergency response plan or emergency evacuation plan. There would be no impact. (Source: 2)

h. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

Discussion:

The weeding activities proposed by the project would provide a temporary reduction in wildland fire risk. There would be less flammable biomass in the weeded areas. The vegetative waste from the weeding will be taken from the Open Space and disposed of appropriately. This would be a beneficial effect of the project. (Source: 1, 2)

VIII. HYDROLOGY AND WATER QUALITY

Would the project:

a. Violate any water quality standards or waste discharge requirements?

Discussion:

Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporation	Less-Than-Significant Impact	No Impact
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The weeding activities proposed by the project would not involve any discharge of materials into groundwater or watercourses and therefore would not violate any water quality standards or waste discharge requirements. There would be no impact. (Source: 1)

- b. *Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?*
- | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The weeding activities proposed by the project would not substantially deplete groundwater supplies or interfere substantially with groundwater recharge. There would be no impact on groundwater supplies or recharge. (Source: 1)

- c. *Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off- site?*
- | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The weeding activities proposed by the project would not alter existing drainage patterns. There would be no impact. (Source: 1)

- d. *Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off- site?*
- | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

See discussion in VIII.c. above. There would be no impact. (Source: 1)

- e. *Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?*
- | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|-------------------------------------|

Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporation	Less-Than-Significant Impact	No Impact
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Discussion:

The weeding activities proposed by the project would not contribute runoff that would not exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff. There would be no impact. (Source: 1)

f. *Otherwise substantially degrade water quality?*

Discussion:

The weeding activities proposed by the project would not substantially degrade water quality or alter stormwater runoff conveyed from the site into the Town’s stormwater system. There would be no impact. (Source: 1)

g. *Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?*

Discussion:

The project will involve no construction of housing. There would be no impact. (Source: 1, 2)

h. *Place within a 100-year flood hazard area structures which would impede or redirect flood flows?*

Discussion:

There is no Town-owned open space located in a 100-year flood zone. There would be no impact. (Sources: 1, 2)

i. *Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?*

Discussion:

The weeding activities proposed by the project would not alter any existing watercourses or remove sufficient amounts of vegetation to result in flooding that would have the potential to expose people or structures to a significant risk of loss, injury or death. There would be no impact. (Source: 1)

j. *Inundation by seiche, tsunami, or mudflow?*

Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporation	Less-Than-Significant Impact	No Impact
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Discussion:

The weeding activities proposed by the project would not have the potential for inundation by a tsunami, seiche or mudflow. There would be no impact. (Sources: 1, 2)

IX. LAND USE AND PLANNING

Would the project:

a. *Physically divide an established community?*

Discussion:

The weeding activities proposed by the project would not physically divide the community. There would be no impact (Sources: 1)

b. *Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?*

Discussion:

The project is consistent with Tiburon General Plan provisions calling for the conservation and preservation of special status plant species. The weeding would be a “permitted” activity pursuant to the Open Space zone regulations set forth in the Tiburon Zoning Ordinance. The Town’s Open Space Resource Management Plan lists “Preserve native species, including special-status species, and sensitive habitats” as a management priority. A mitigation measure in Town’s CEQA document for the Open Space Resource Management Plan limits activities near the special status plants to when those plants are dormant. Non-native grasses can grow faster than the special status plants, shading and outcompeting the individual special status plants. The annual Tiburon jewelflower individuals are particularly at risk to damaging competition when they are young. By weeding when the special status plants are growing, the threat caused by the weeds can be reduced. This weeding project is proposed to resolve the conflict between the mitigation measure and desire to protect the special status plants. The impact is less than significant given the training and expertise that will be required of any weeder allowed to work when the special status plants are active. (Sources: 1, 2, 7, 8, 9, 11)

c. *Conflict with any applicable habitat conservation plan or natural community conservation plan?*

Discussion:

Currently, there are no adopted or proposed local, regional, or state habitat conservation plans that include the Town of Tiburon. There would be no impact. (Sources: 1, 2)

Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporation	Less-Than-Significant Impact	No Impact
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X. MINERAL RESOURCES

Would the project:

- a. *Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?*

Discussion:

Ring Mountain, which is considered by the State as a Scientific Resource Zone, is the only mineral resource located near the Town of Tiburon open space. Ring Mountain is preserved as open space owned by the Marin County Open Space District and is not included in the Town of Tiburon’s proposed Open Space Resource Management Plan. Therefore no impact would occur. (Sources: 1, 2)

- b. *Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?*

Discussion:

See discussion in X.a. above. (Sources: 1, 2)

XI. NOISE

Would the project:

- a. *Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?*

Discussion:

The weeding will be done by hand. There will be no noise in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. No impact. (Sources: 1, 2)

- b. *Exposure of persons to or generation of excessive ground borne vibration or ground borne noise levels?*

Discussion:

See XI a. (Sources: 1, 2)

- c. *A substantial permanent increase in ambient noise levels in the project vicinity above levels*

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporation	Less-Than-Significant Impact	No Impact
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existing without the project?

Discussion:

See XI a. (Sources: 1, 2)

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <i>d. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

See XI a. (Sources: 1, 2)

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <i>e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The Town of Tiburon is not located within an area that is covered by an airport land use plan and is not located within close proximity to a public airport or public use airport. There would be no impact. (Sources: 2)

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <i>f. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

No airstrips are located in the Town of Tiburon. The nearest private airstrip is located at Smith Ranch, which is approximately eight (8) miles north of Tiburon. There would be no impact. (Sources: 2)

XII. POPULATION AND HOUSING

Would the project:

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <i>a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporation	Less-Than-Significant Impact	No Impact
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The proposed weeding activities would not include policies or programs that would induce substantial population growth. There would be no impact. (Sources: 1)

<i>b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion:

The proposed weeding activities would not include policies or programs that would result in the displacement of housing or people. There would be no impact. (Sources: 1)

XIII. PUBLIC SERVICES

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

<i>a. Fire protection?</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Discussion:

The weeding activities proposed by the project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities. The weeding activities proposed by the project would provide a small reduction biomass, therefore providing a minor reduction in the risk of wildland fires. (Source: 1, 2)

<i>b. Police protection?</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion:

There would be no impact to police protection. (Source: 1, 2)

<i>c. Schools?</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion:

See discussion in XIII.a. above. (Source: 1, 2)

<i>d. Parks?</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion:

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporation	Less-Than-Significant Impact	No Impact
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See discussion in XIII.a. above. (Source: 1, 2)

<i>e. Other public facilities?</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
------------------------------------	--------------------------	--------------------------	--------------------------	-------------------------------------

Discussion:

See discussion in XIII.a. above. (Source: 1, 2)

XIV. RECREATION

Would the project:

<i>f. Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
---	--------------------------	--------------------------	-------------------------------------	--------------------------

Discussion:

The weeding activities proposed by the project could lead to a slight increase in the use of Town-owned open space if sensitive plant populations increase. The slight increase in the predominantly passive recreational activities that occur on these open space parcels would not be substantial enough to cause or accelerate deterioration of existing recreational facilities. (Source: 1)

<i>g. Include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--	--------------------------	--------------------------	--------------------------	-------------------------------------

Discussion:

The weeding activities proposed by the project would be on existing Town-owned open space, but would not require the construction or expansion of recreational facilities, which would have an adverse physical effect on the environment. There would be no impact. (Source: 1)

XV. TRANSPORTATION/TRAFFIC

Would the project:

<i>a. Cause an increase in traffic, which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Potentially Significant Impact	Less-Than- Significant With Mitigation Incorporation	Less-Than- Significant Impact	No Impact
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Discussion:

The weeding activities proposed by the project would not cause an increase in traffic that would be substantial in relation to the existing traffic load and capacity of the Tiburon street system. There would be no impact. (Source: 1, 2)

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <i>b. Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The weeding activities proposed by the project would not exceed a level of service standard established for designated roads or highways. There would be no impact. (Source: 1, 2)

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <i>c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

There are no public airports within two miles of the Town of Tiburon and no private airstrips in the vicinity of Tiburon. There would be no impact. (Source: 1, 2)

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <i>d. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The weeding activities proposed by the project would not substantially increase hazards due to any design features. There would be no impact. (Source: 1, 2)

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <i>e. Result in inadequate emergency access?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The weeding activities proposed by the project would not result in inadequate emergency access. There would be not impact. (Source: 1, 2)

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <i>f. Result in inadequate parking capacity?</i> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Potentially Significant Impact	Less-Than- Significant With Mitigation Incorporation	Less-Than- Significant Impact	No Impact
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Discussion:

The weeding activities proposed by the project would not result in inadequate parking capacity. There would be no impact. (Source: 1, 2)

- g. Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?*

Discussion:

The proposed weeding activities would not include policies or programs that would conflict with adopted policies, plans or programs supporting alternative transportation. There would be no impact. (Source: 1, 2))

XVI. UTILITIES AND SERVICE SYSTEMS

Would the project:

- a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?*

Discussion:

The weeding activities proposed by the project would not result in any activities that would exceed wastewater treatment capacities. There would be no impact. (Source: 1, 2)

- b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?*

Discussion:

See discussion in XVI.a. above. (Source: 1, 2)

- c. Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?*

Discussion:

The weeding activities proposed by the project would not result in the construction of new storm water drainage facilities or expansion of existing facilities. There would be no impact. (Source: 1, 2)

- d. Have sufficient water supplies available to*

Potentially Significant Impact	Less-Than- Significant With Mitigation Incorporation	Less-Than- Significant Impact	No Impact
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serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

Discussion:

The weeding activities proposed by the project would not affect existing water supplies or require new or expanded water entitlements. There would be no impact. (Source: 1, 2)

- e. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?*
- | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The weeding activities proposed by the project would not result in any increase in wastewater generation. There would be no impact. (Source: 1, 2)

- f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?*
- | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The weeding activities proposed by the project would not result in an increase in solid waste disposal needs. There would be no impact. (Source: 1, 2)

- g. Comply with federal, state, and local statutes and regulations related to solid waste?*
- | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|-------------------------------------|

Discussion:

The weeding activities proposed by the project would not result in any activity that would not comply with federal, state, and local statutes and regulations related to solid waste. There would be no impact. (Source: 1, 2)

XVII. MANDATORY FINDINGS OF SIGNIFICANCE

Would the project:

- a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal*
- | | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|-------------------------------------|

Potentially Significant Impact	Less-Than- Significant With Mitigation Incorporation	Less-Than- Significant Impact	No Impact
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community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Discussion:

The project purpose is to protect special status plants and improve their habitat. Weeding will be supervised by a qualified biologist with expertise in identifying the open space’s sensitive plants species during the various phases of plant phenology (seedling to senescence). That individual will also have sufficient proficiency to perform early detection surveys for sensitive plants and identify non-native grass species and weedy forbs during the weeding.

The weeding activities proposed by the project would involve no physical development of any property with Tiburon Town Limits. As set forth in Sections I – XVII above, the project would not have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal species. (Source: 1 - 10)

b. Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion:

As set forth in Sections I – XVII above, the project would not have impacts that are individually limited, but cumulatively considerable. The weeding activities as proposed by the project will avoid impacts to sensitive plant species and improve their habitat. (Sources: 1, 2, 8, 9)

c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Discussion:

As set forth in Sections I – XVII above, the proposed project would not have environmental effects which would cause substantial adverse effects, directly or indirectly on human beings. There would be no impact. (Sources: 1-5)

C. REFERENCES

The following is a list of references used in the preparation of this document. As noted at the beginning of Section II, each of the topics addressed in the Evaluation of Environmental Impacts includes a list of references by number. The numbers for the reference sources correspond with the sources that are listed below by number. Unless attached herein, copies of all reference reports, memorandums and letters are on file with the Town of Tiburon Community Development Department.

1. LSA. November 2010. Open Space Resource Management Plan. Town of Tiburon, Marin. CA.
2. Town of Tiburon General Plan, Tiburon 2020, (<https://www.townoftiburon.org/206/General-Plan>).
3. Bay Area Air Quality Management District (BAAQMD). Bay Area Clean Air Plan 2017. (<http://www.baaqmd.gov/plans-and-climate/air-quality-plans/current-plans>).
4. Town of Tiburon Tree Ordinance, Chapter 15A of the Tiburon Municipal Code; 2018.
5. Hazardous waste list website: http://www.dtsc.ca.gov/database/Calsites/Cortese_List.cfm.
6. Town of Tiburon. May 2010. Initial Study for the Tiburon Open Space Resource Management Plan.
7. Swope, S. PhD. June 2017. A preliminary assessment of the population dynamics and pollination ecology of *Streptanthus glandulosus niger*, an endangered plant of the Tiburon peninsula. Unpublished. Prepared for Marin County Parks and Open Space.
8. Swope, S. PhD. (Assistant Professor, Biology Director Mills Botanic Garden.) Pers. Comm. January 18, 2018.
9. Eva Buxton (local botanist, Conservation and Invasive Species chair for the Marin chapter of CNPS), pers. comm., various dates.
10. USFWS (and Elam, D.R., Wright, D.H., Goettle. B.). 1998. Recovery Plan for Serpentine Soil Species of the San Francisco Bay Area.
11. Tiburon Zoning Ordinance, Chapter 16 of Tiburon Municipal Code, 2018.