

Biological Resources Assessment

Appendix F, Figure 5 - Impacts by Habitat

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

		Area (acre)		
Layer	Subset	Tulare - Permanent	Kern - Permanent	Permanent Impacts
Project Area	N/A	698.85	46.67	745.52
Habitat	N/A	698.85	46.67	745.52
	Agriculture - Fallow (af)	39.54	0.00	39.54
	Agriculture - Field Crop (afc)	27.91	0.00	27.91
	Agriculture - Orchard (ao)	247.36	0.00	247.36
	Agriculture - Vineyard (av)	113.11	0.01	113.12
	Allscale Scrub (as)	1.39	0.00	1.39
	Barren/Ruderal (br)	0.00	0.00	0.00
	California Buckwheat Scrub (cbs)	4.03	0.00	4.03
	Fremont Cottonwood Forest (fcf)	0.95	0.00	0.95
	Mulefat Thickets (mt)	1.02	0.00	1.02
	Non-Native Annual Grassland (nag)	0.00	0.00	0.00
	Red Willow Thickets (rwt)	0.00	0.00	0.00
	Shining Willow Groves (swg)	0.00	0.00	0.00
	Smartweed - Cocklebur Patches (scp)	3.89	0.00	3.89
	Urban (u)	6.50	0.49	6.99
	Valley Oak Woodland (vow)	0.00	0.00	0.00
	Water (w)	253.15	46.17	299.32

		Area (acre)		
Layer	Subset	Tulare - Temporary	Kern - Temporary	Temporary Impacts
Project Area	N/A	1,360.45	90.87	1,451.32
Habitat	N/A	1,360.45	90.87	1,451.32
	Agriculture - Fallow (af)	301.17	0.00	301.17
	Agriculture - Field Crop (afc)	158.48	0.00	158.48
	Agriculture - Orchard (ao)	180.67	0.00	180.67
	Agriculture - Vineyard (av)	33.82	7.97	41.79
	Allscale Scrub (as)	0.00	0.00	0.00
	Barren/Ruderal (br)	434.79	71.43	506.22
	California Buckwheat Scrub (cbs)	4.93	0.00	4.93
	Fremont Cottonwood Forest (fcf)	0.87	0.00	0.87
	Mulefat Thickets (mt)	0.47	0.00	0.47
	Non-Native Annual Grassland (nag)	211.34	10.48	221.82
	Red Willow Thickets (rwt)	0.00	0.00	0.00
	Shining Willow Groves (swg)	0.00	0.00	0.00
	Smartweed - Cocklebur Patches (scp)	1.14	0.00	1.14
	Urban (u)	30.10	0.99	31.09
	Valley Oak Woodland (vow)	0.00	0.00	0.00
	Water (w)	2.67	0.00	2.67

		Area (acre)		
Layer	Subset	Total Area	Tulare	Kern
Project Area	N/A	2,695.67	2,493.75	201.92
Habitat	N/A	2,695.67	2,493.75	201.92
	Agriculture - Fallow (af)	341.44	341.44	0.00
	Agriculture - Field Crop (afc)	187.47	187.47	0.00
	Agriculture - Orchard (ao)	455.02	455.02	0.00
	Agriculture - Vineyard (av)	256.89	191.33	65.56
	Allscale Scrub (as)	1.39	1.39	0.00
	Barren/Ruderal (br)	829.56	757.59	71.97
	California Buckwheat Scrub (cbs)	8.96	8.96	0.00
	Fremont Cottonwood Forest (fcf)	1.82	1.82	0.00
	Mulefat Thickets (mt)	1.49	1.49	0.00
	Non-Native Annual Grassland (nag)	230.30	216.78	13.52
	Red Willow Thickets (rwt)	0.13	0.13	0.00
	Shining Willow Groves (swg)	0.57	0.57	0.00
	Smartweed - Cocklebur Patches (scp)	5.03	5.03	0.00
	Urban (u)	61.00	56.30	4.70
	Valley Oak Woodland (vow)	1.07	1.07	0.00
	Water (w)	313.53	267.36	46.17

FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT

Canal Enlargement and Re-alignment Alternative

Impacts Table - Accompany Mapbook

Figure No. 5: Impacts

Date: Mar 24, 2020

Title

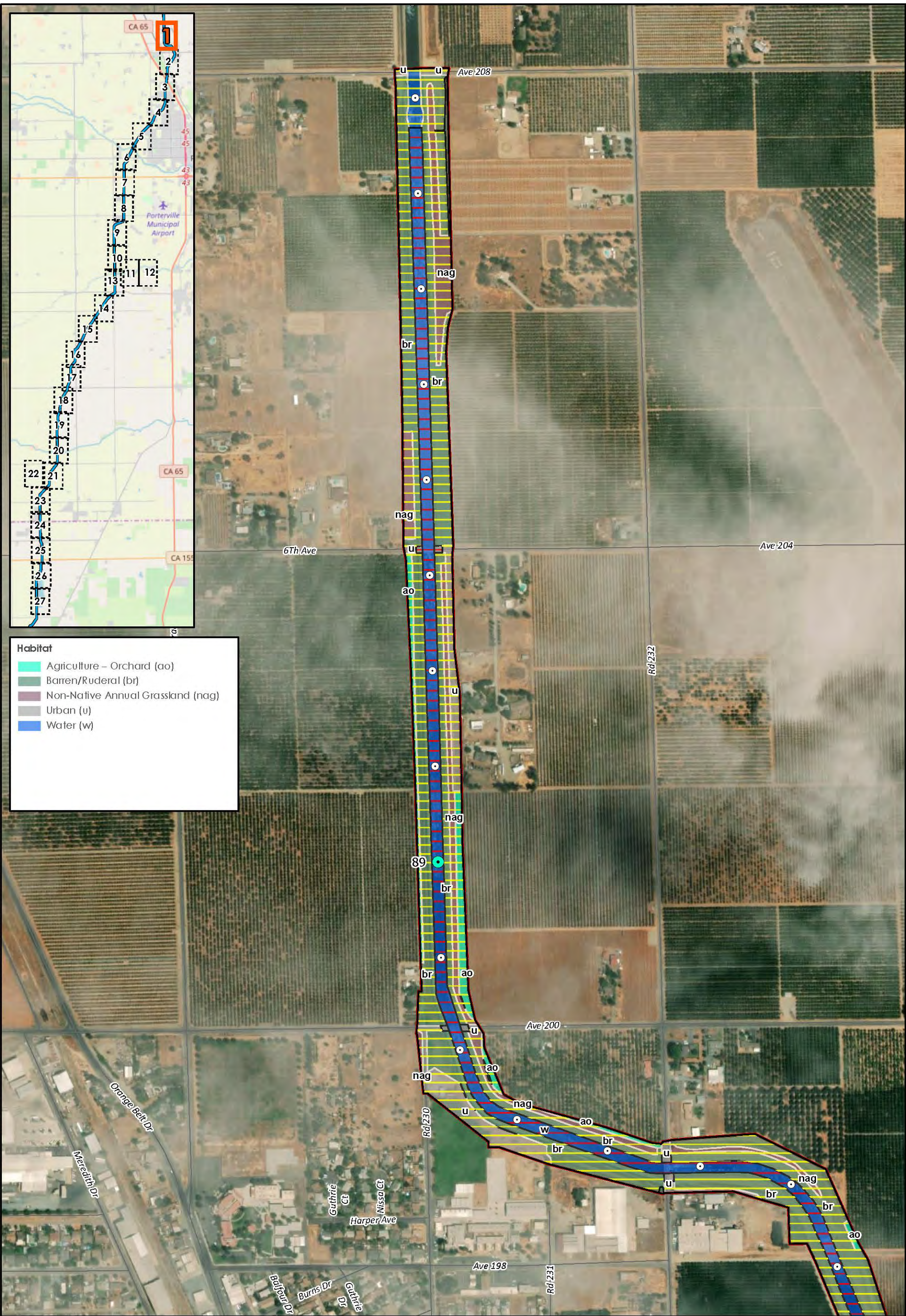
Impacts by Habitat

Project Location 184031016
Tulare and Kern Counties, CA Prepared by SCP
17.5' USGS Quadrangles (2020-03-24)
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)



Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Potential Impacts**
- Project Area
 - Proposed Canal Re-alignment Centerline
 - No Impact
 - Permanent
 - Temporary
 - Mile Post
 - Tenth-of-Mile

Figure No. **5A**
Date: **Mar 04, 2020**

Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

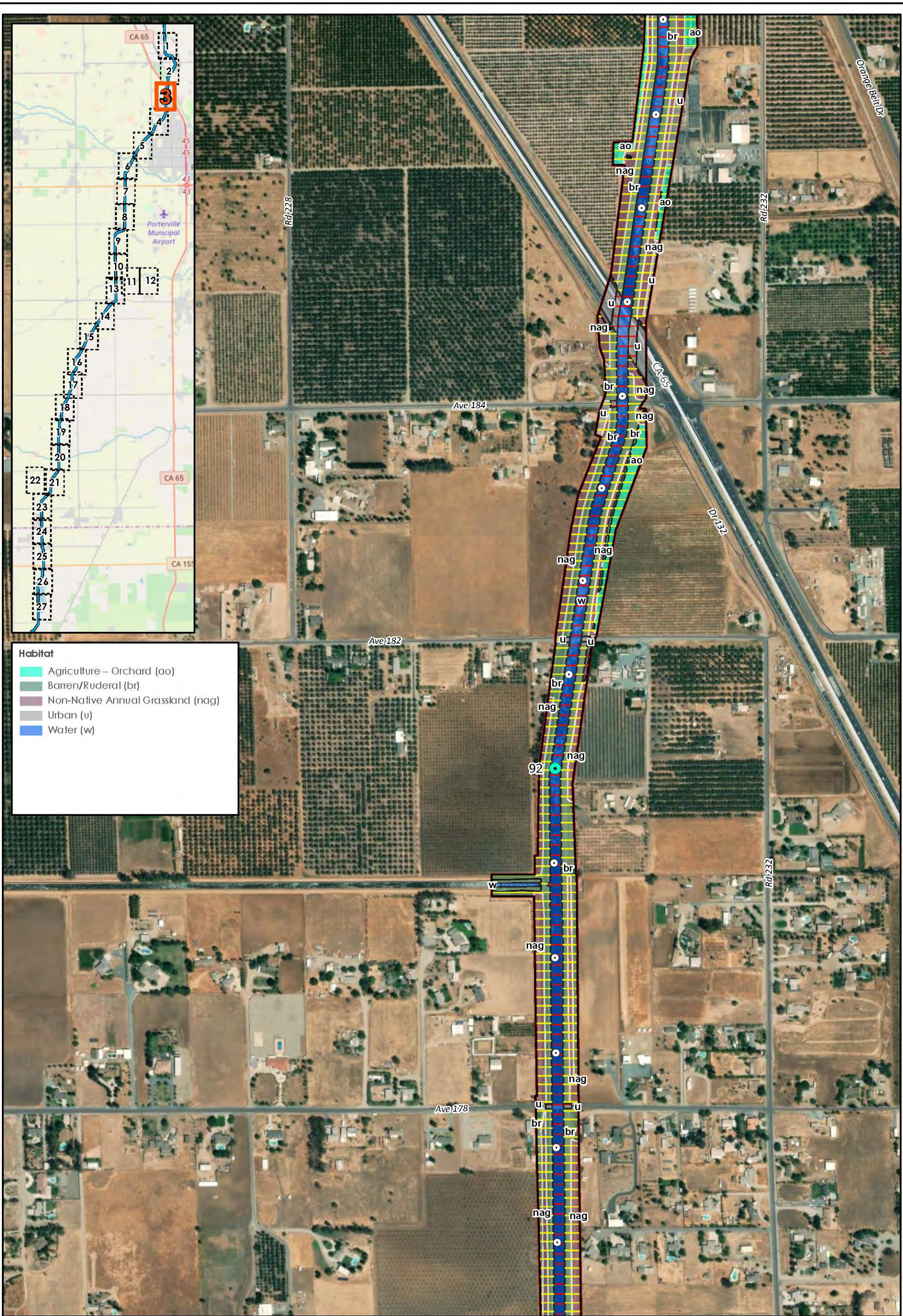
184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Frian Water Authority
Frian-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Project Area**
- Project Area
- Potential Impacts**
- No Impact
 - Permanent
 - Temporary
- Proposed Canal Re-alignment Centerline**
- Mile Post
 - Tenth-of-Mile

Figure No.
5C

Date:
Mar 04, 2020

Title
Impacts by Habitat

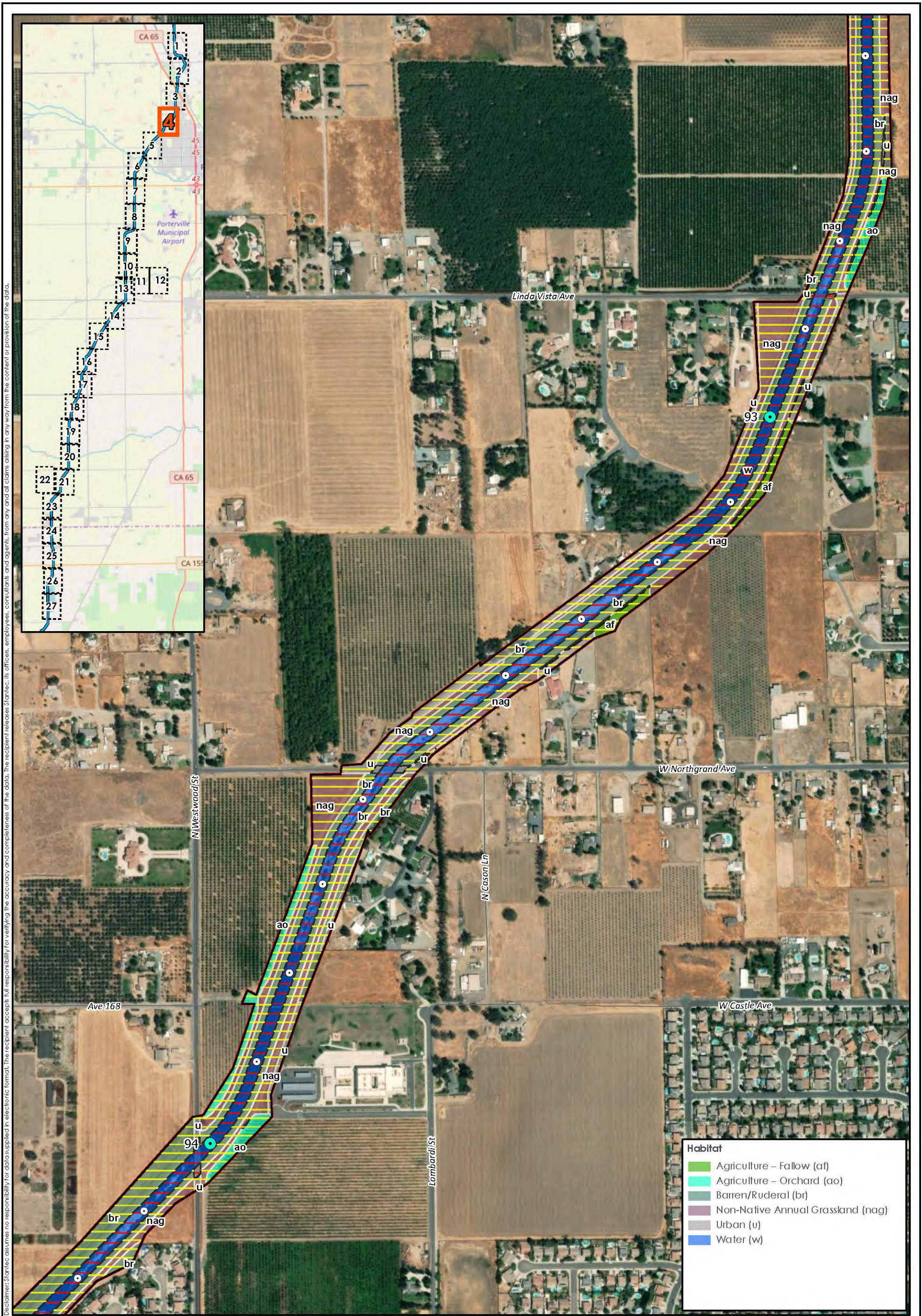
Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Project Area
- Potential Impacts
- No Impact
 - Permanent
 - Temporary
- Proposed Canal Re-alignment Centerline
- Mile Post
- Tenth-of-Mile

Figure No.
5D

Date:
Mar 04, 2020

Title
Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT Canal Enlargement and Re-alignment Alternative

- Potential Impacts**
- Project Area
 - Proposed Canal Re-alignment Centerline
 - No Impact
 - Permanent
 - Temporary
 - Mile Post
 - Tenth-of-Mile

Figure No.
5E

Date:
Mar 04, 2020

Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



Habitat

Agriculture – Field Crop (afc)

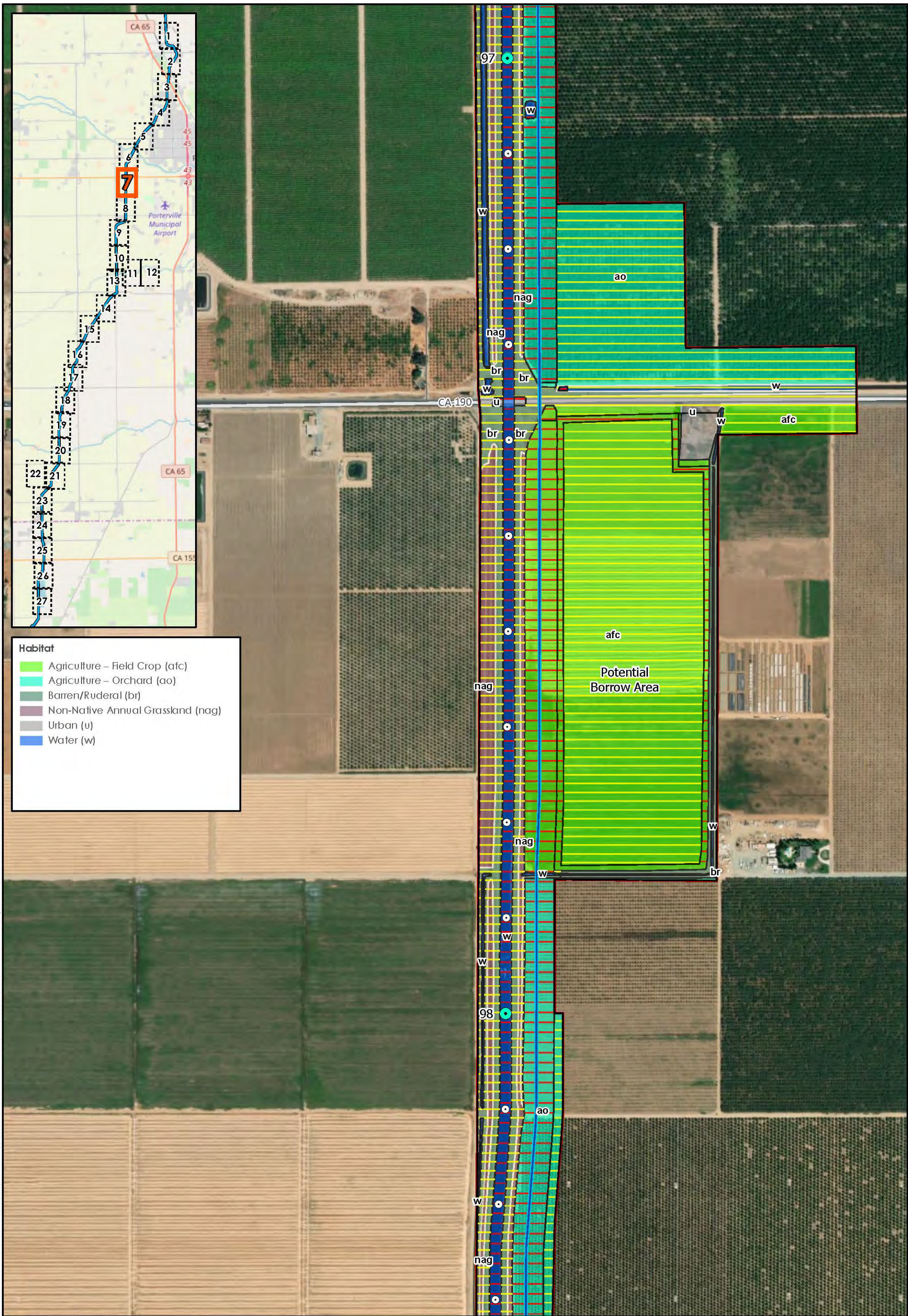
Agriculture – Orchard (ao)

Barren/Ruderal (br)

Non-Native Annual Grassland (nag)

Urban (u)

Water (w)



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Project Area

Potential Impacts

No Impact

Permanent

Temporary
- Proposed Canal Re-alignment Centerline

Mile Post

Tenth-of-Mile

Figure No.
5G

Date:
Mar 04, 2020

Title
Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5 USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



Habitat

Agriculture – Field Crop (afc)

Agriculture – Orchard (ao)

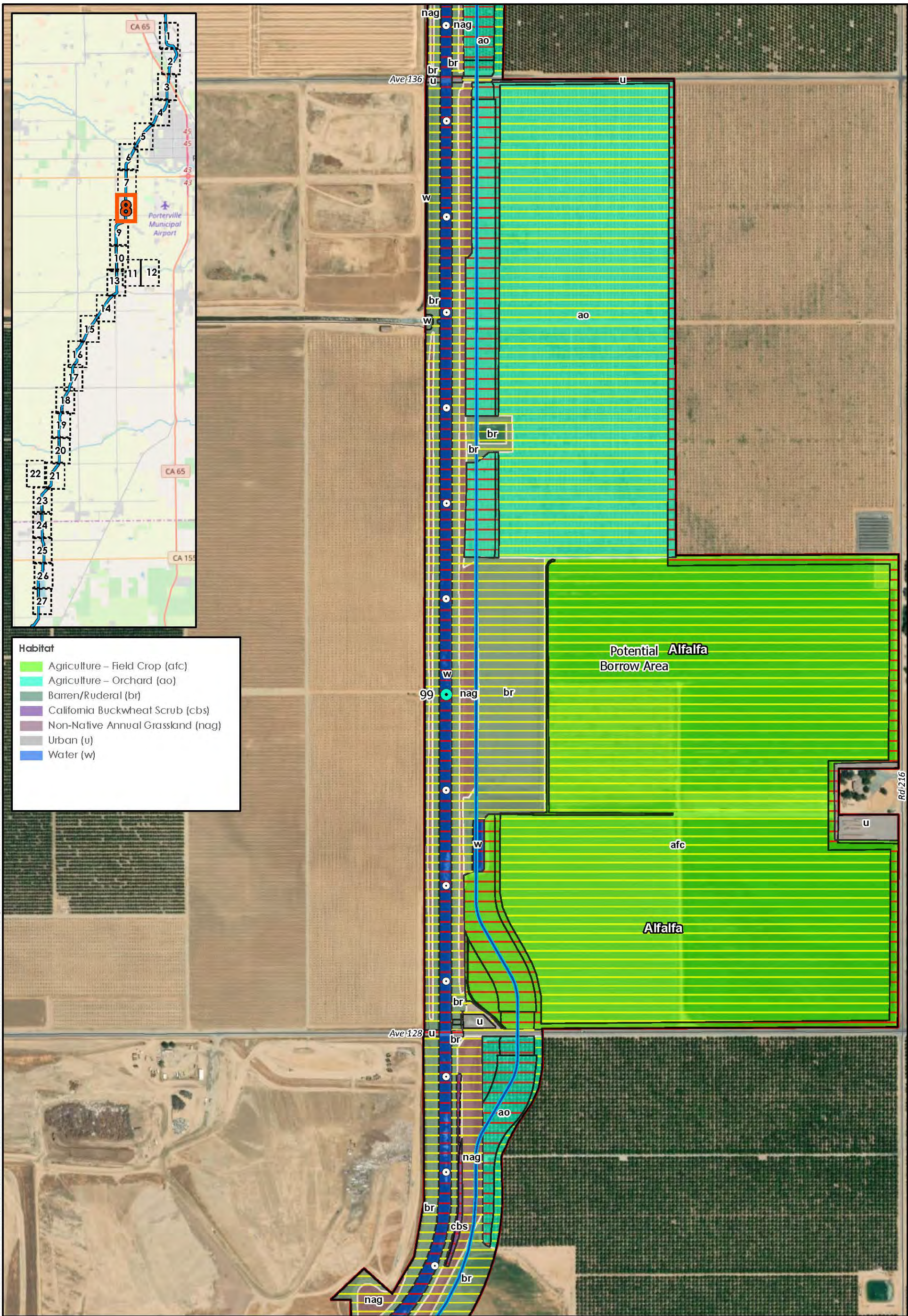
Barren/Ruderal (br)

California Buckwheat Scrub (cbs)

Non-Native Annual Grassland (nag)

Urban (u)

Water (w)



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Project Area

Potential Impacts

No Impact

Permanent

Temporary
- Proposed Canal Re-alignment Centerline

Mile Post

Tenth-of-Mile

Figure No.
5H

Date:
Mar 04, 2020

Title
Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

184031016
Prepared by SCP
(2020-03-04)

0

500

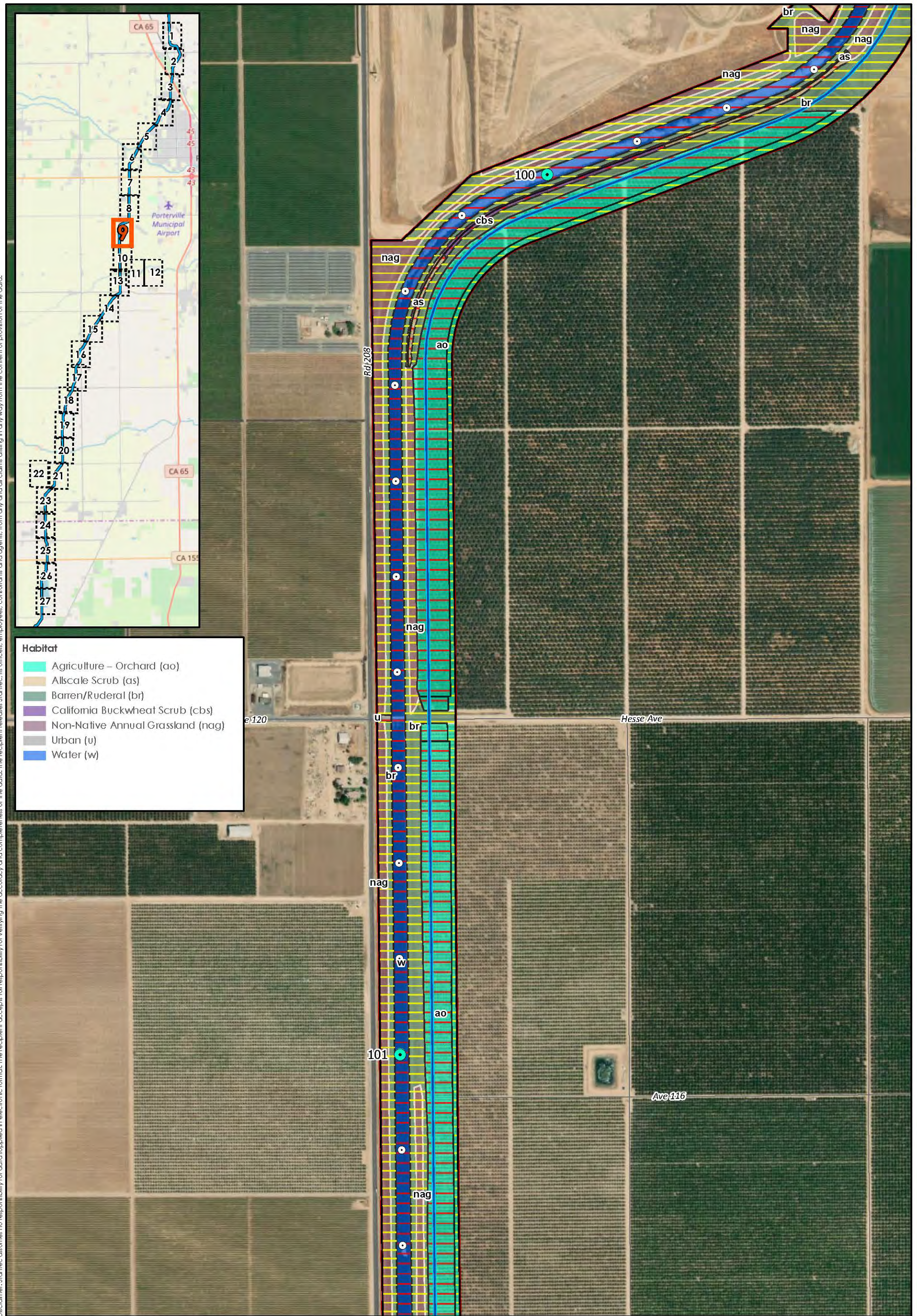
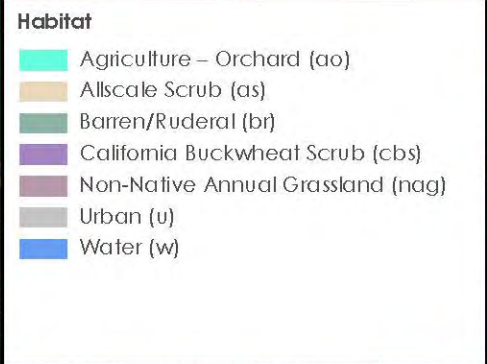
1,000

Feet

1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

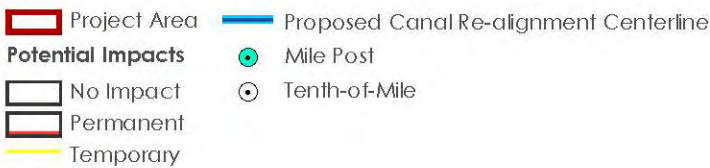


Figure No. **51**
Date: **Mar 04, 2020**

Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

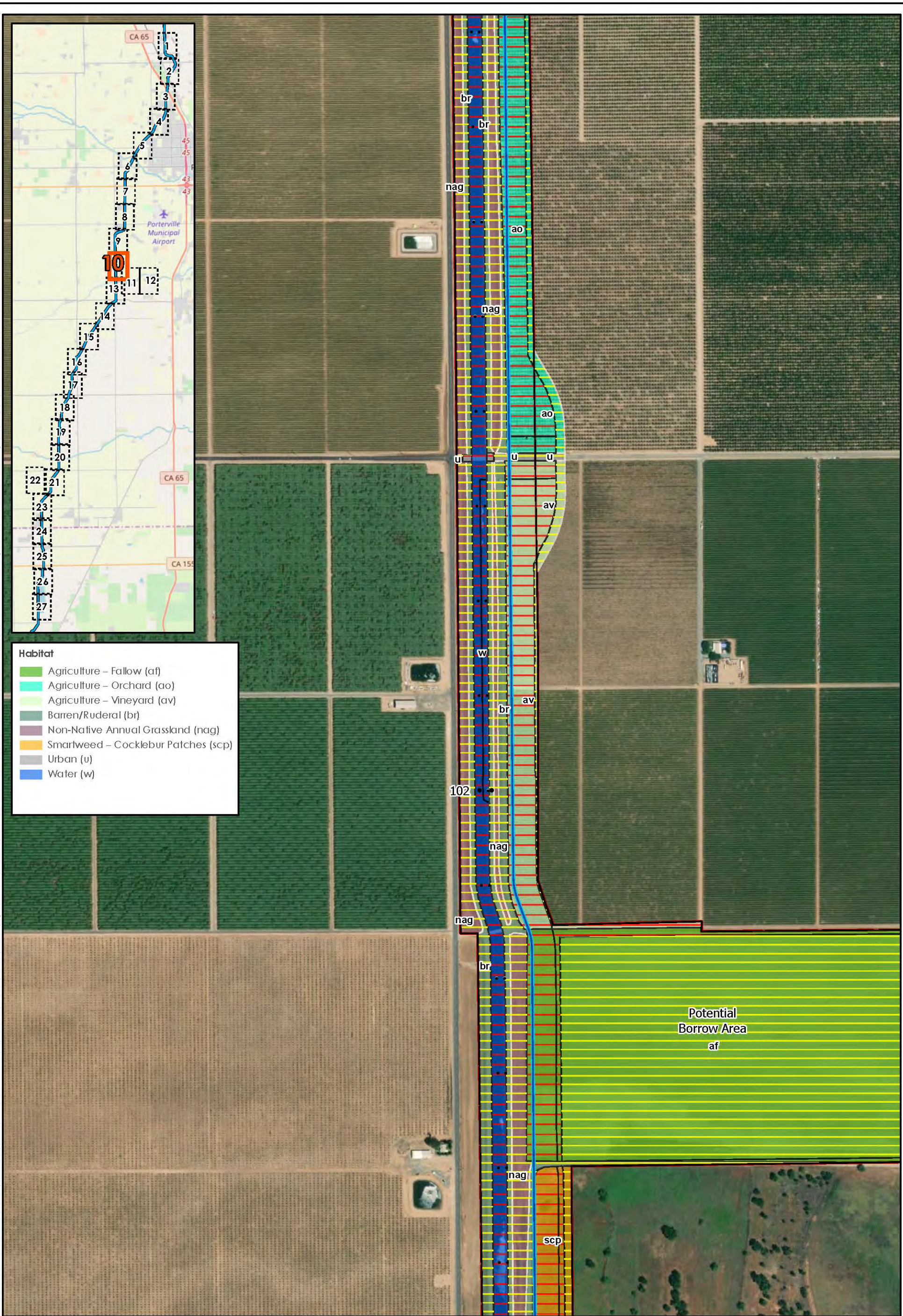
184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Project Area** — **Proposed Canal Re-alignment Centerline**
- Potential Impacts**
- Mile Post
 - Tenth-of-Mile
 - No Impact
 - Permanent
 - Temporary

Figure No.
5J

Date:
Mar 18, 2020

Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

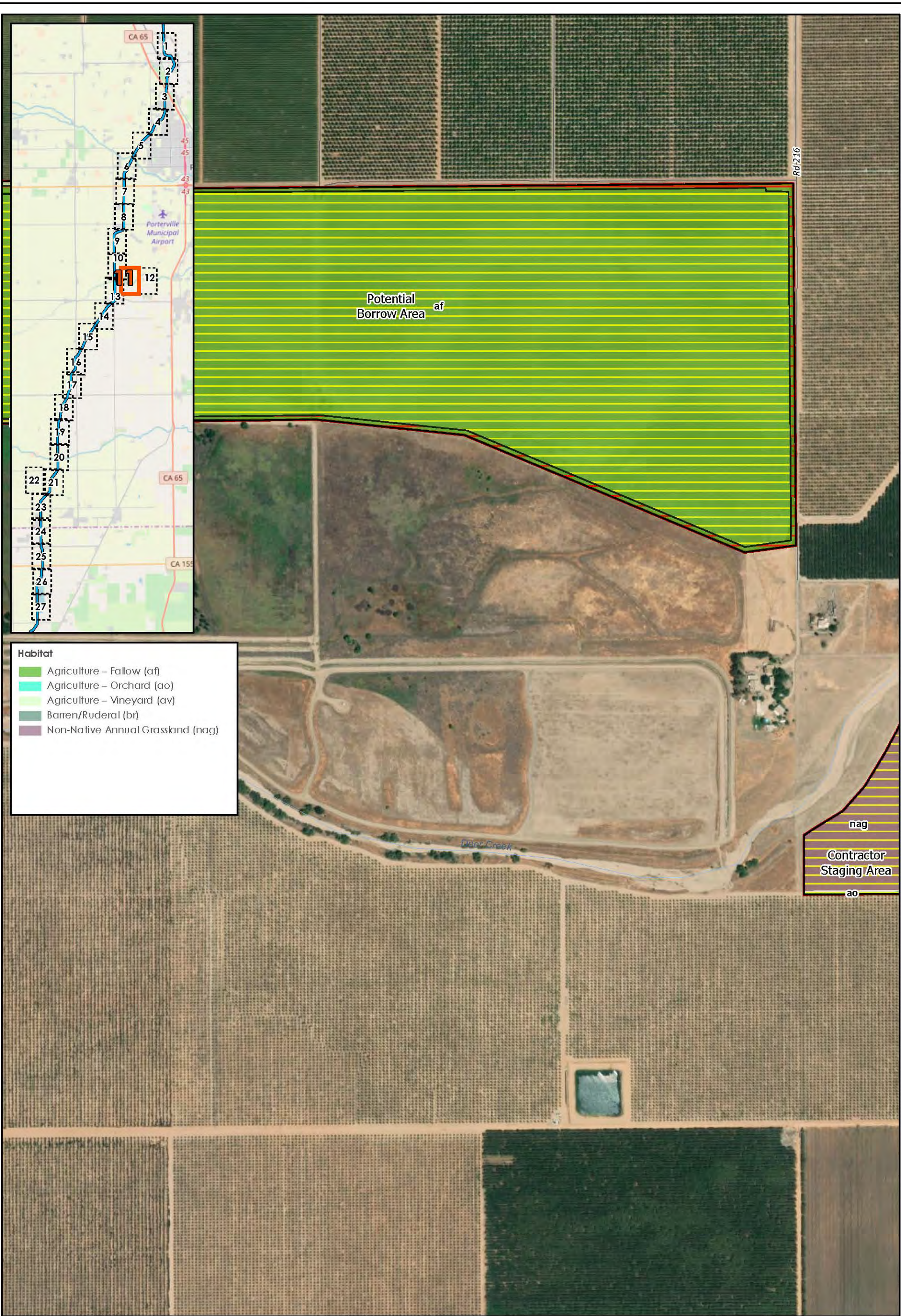
184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Project Area**
- Project Area
- Potential Impacts**
- No Impact
 - Permanent
 - Temporary
- Proposed Canal Re-alignment Centerline**
- Mile Post
 - Tenth-of-Mile

Figure No.
5K

Date:
Mar 04, 2020

Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

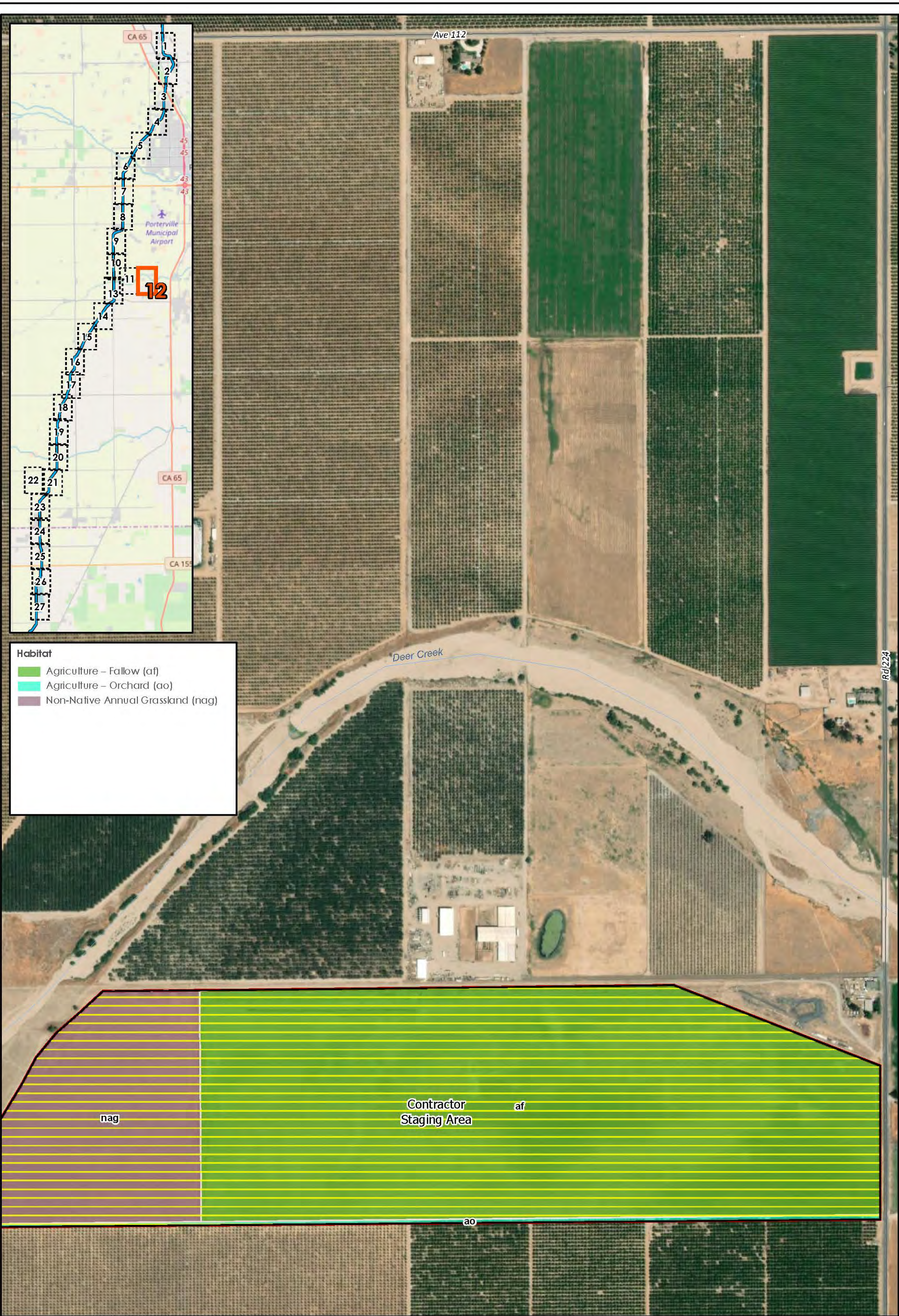
184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Project Area**
- Project Area
- Potential Impacts**
- No Impact
 - Permanent
 - Temporary
- Proposed Canal Re-alignment Centerline**
- Proposed Canal Re-alignment Centerline
 - Mile Post
 - Tenth-of-Mile

Figure No.
5L

Date:
Mar 04, 2020

Title
Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5 USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

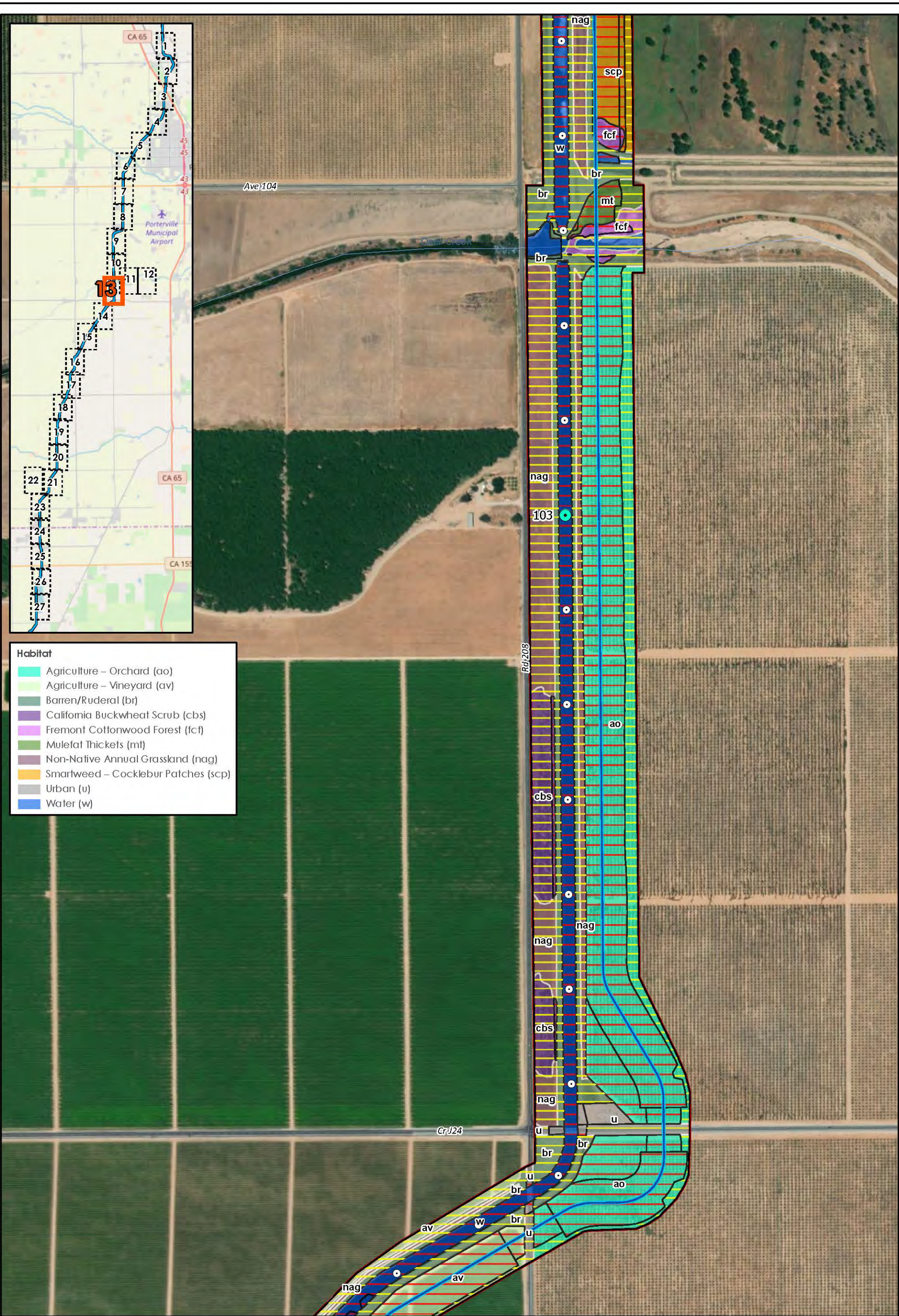
184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Potential Impacts**
- Project Area
 - Proposed Canal Re-alignment Centerline
 - No Impact
 - Permanent
 - Temporary
 - Mile Post
 - Tenth-of-Mile

Figure No.
5M

Date:
Mar 04, 2020

Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5 USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

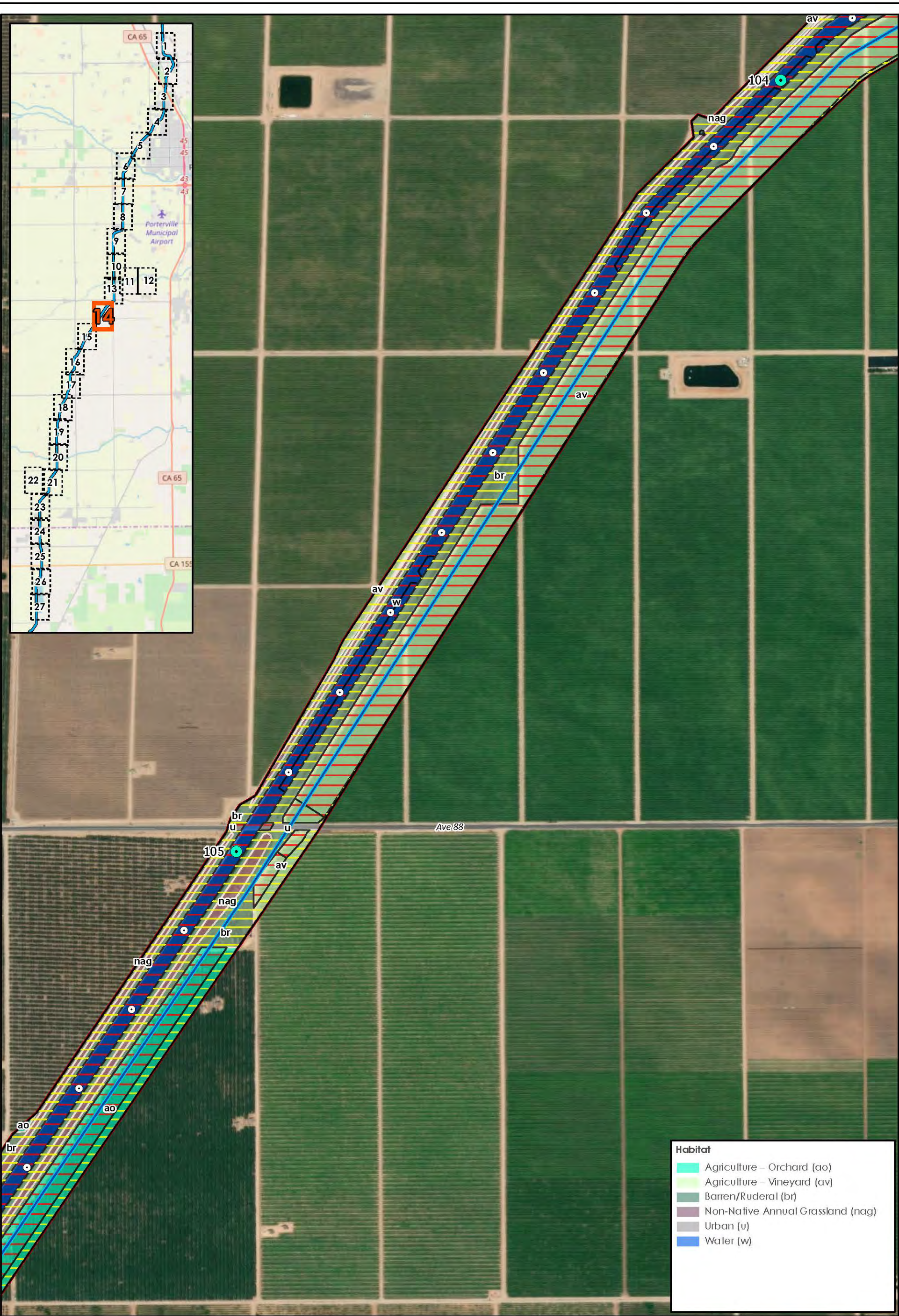
184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Project Area**
- Project Area
- Potential Impacts**
- No Impact
 - Permanent
 - Temporary
- Proposed Canal Re-alignment Centerline**
- Proposed Canal Re-alignment Centerline
- Mile Post**
- Mile Post
 - Tenth-of-Mile

Figure No. **5N**
Date: **Mar 04, 2020**

Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

184031016
Prepared by SCP
(2020-03-04)

Habitat

- Agriculture - Orchard (ao)
- Agriculture - Vineyard (av)
- Barren/Ruderal (br)
- Non-Native Annual Grassland (nag)
- Urban (u)
- Water (w)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Scale
0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Logos
Friant Water Authority
Stantec

North Arrow

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



Habitat

Agriculture – Orchard (ao)

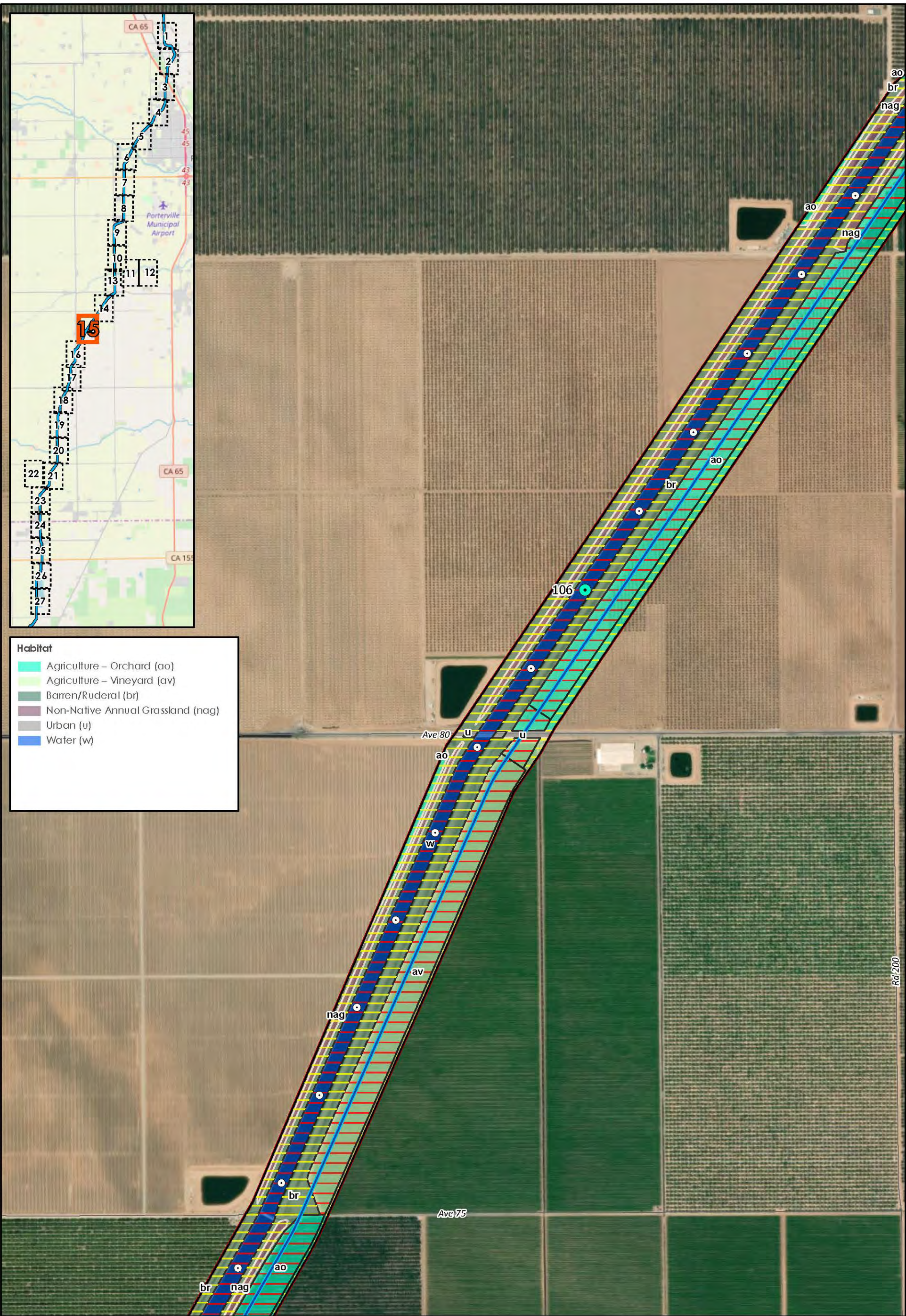
Agriculture – Vineyard (av)

Barren/Ruderal (br)

Non-Native Annual Grassland (nag)

Urban (u)

Water (w)



Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



Habitat

Agriculture – Orchard (ao)

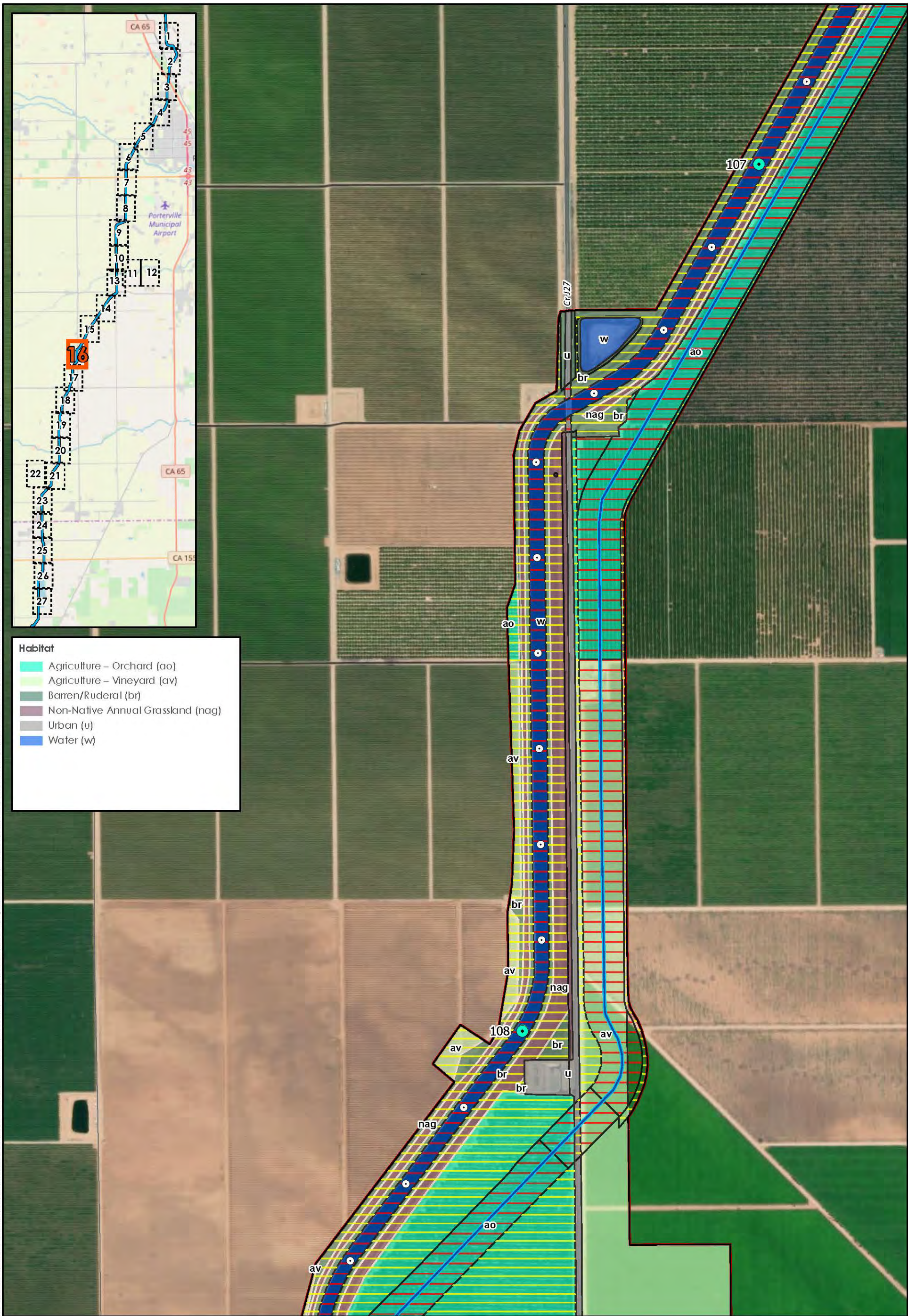
Agriculture – Vineyard (av)

Barren/Ruderal (br)

Non-Native Annual Grassland (nag)

Urban (u)

Water (w)



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

Project Area

Proposed Canal Re-alignment Centerline

Potential Impacts

No Impact

Permanent

Temporary

Mile Post

Tenth-of-Mile

Figure No.
5P

Date:
Mar 04, 2020

Title
Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

184031016
Prepared by SCP
(2020-03-04)

0

500

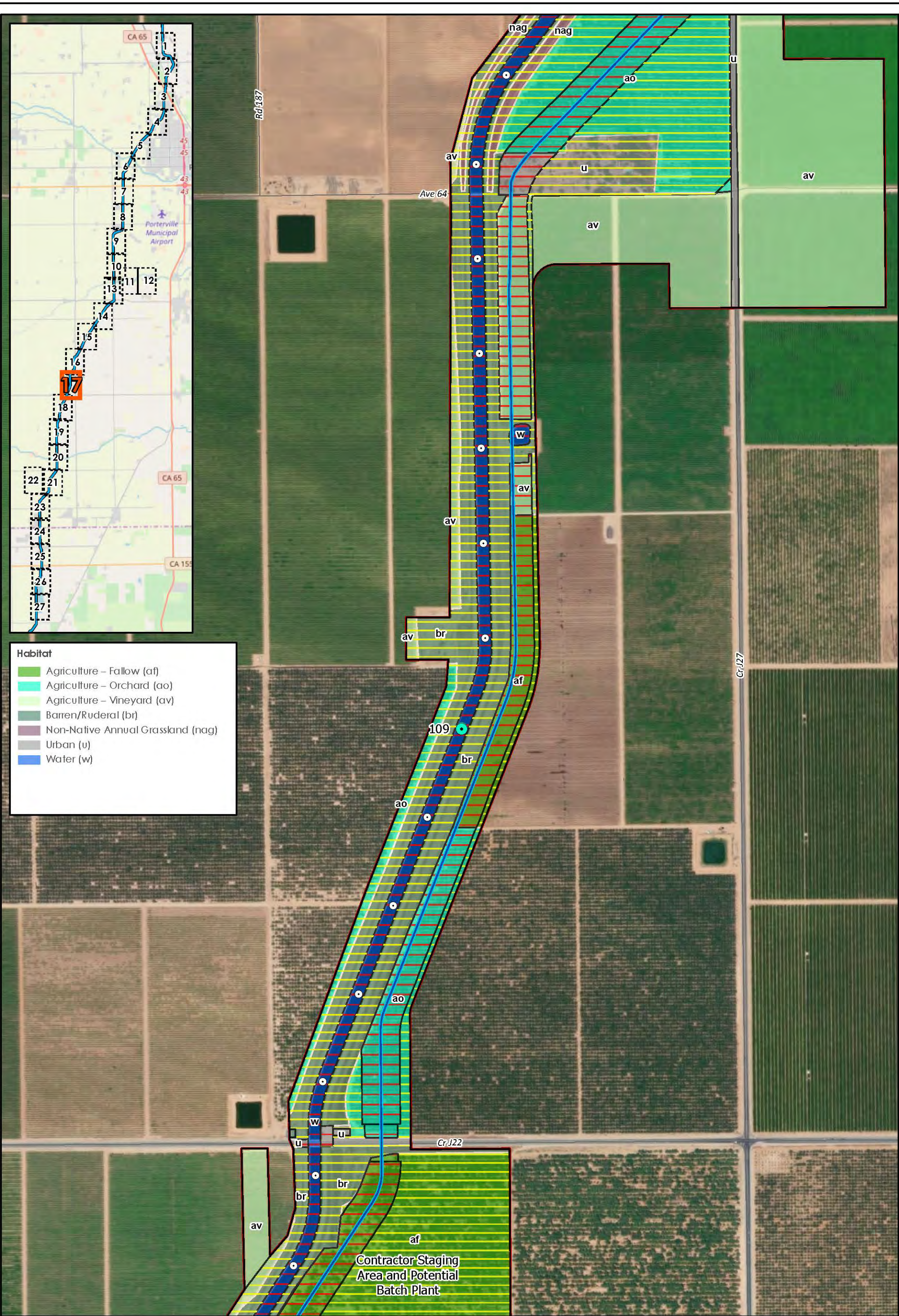
1,000

Feet

1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



Habitat

- Agriculture - Fallow (af)
- Agriculture - Orchard (ao)
- Agriculture - Vineyard (av)
- Barren/Ruderal (br)
- Non-Native Annual Grassland (nag)
- Urban (u)
- Water (w)

FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Project Area**
- Project Area
 - Proposed Canal Re-alignment Centerline
- Potential Impacts**
- No Impact
 - Permanent
 - Temporary
- Mile Post**
- Mile Post
 - Tenth-of-Mile

Figure No. **5Q**
Date: **Mar 04, 2020**

Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

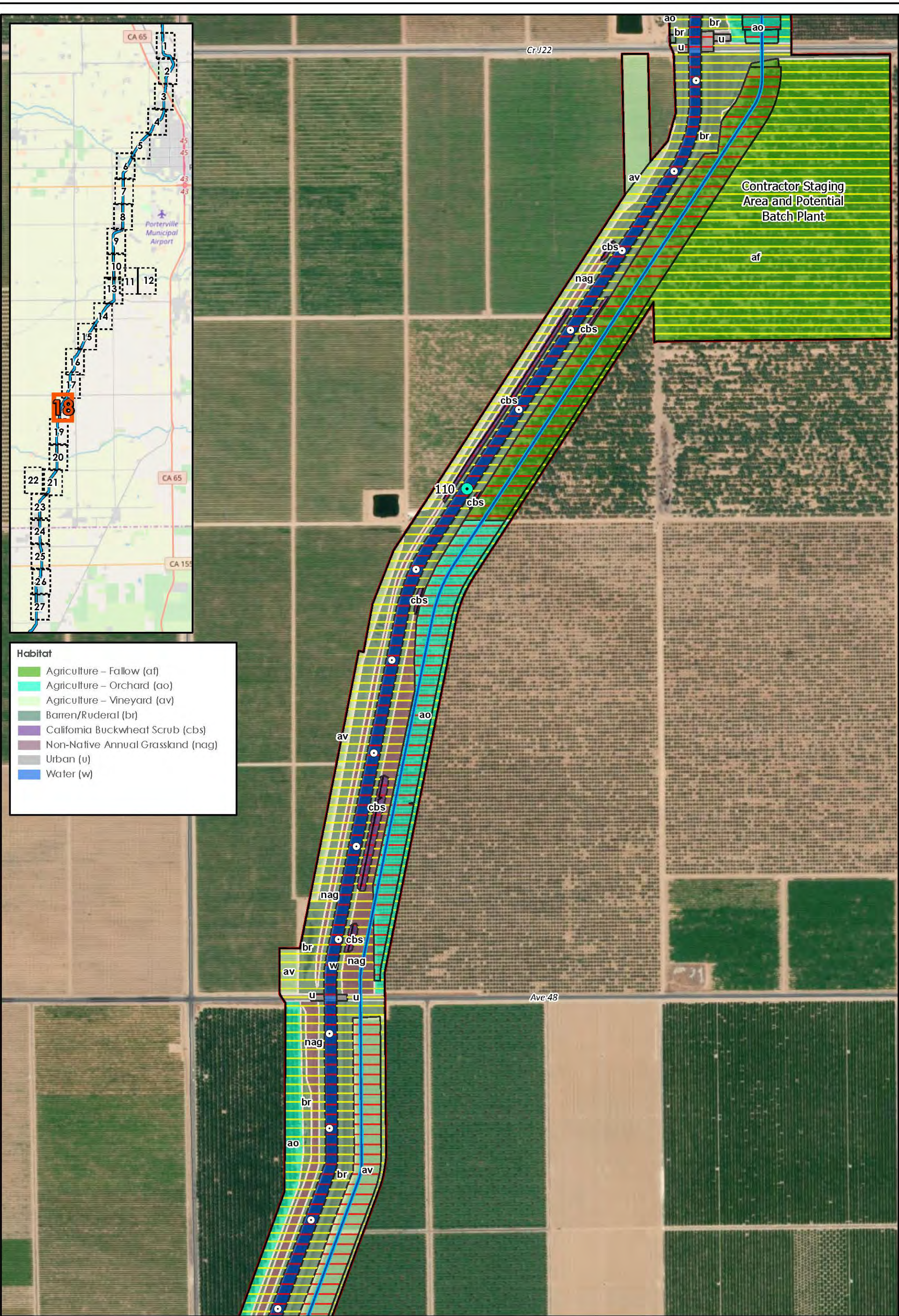
184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



Habitat

- Agriculture – Fallow (af)
- Agriculture – Orchard (ao)
- Agriculture – Vineyard (av)
- Barren/Ruderal (br)
- California Buckwheat Scrub (cbs)
- Non-Native Annual Grassland (nag)
- Urban (u)
- Water (w)

FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

Project Area **Proposed Canal Re-alignment Centerline**

Potential Impacts

- No Impact
- Permanent
- Temporary

Mile Post

Tenth-of-Mile

Figure No. **5R** Date: **Mar 04, 2020**

Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

184031016
Prepared by SCP
(2020-03-04)

0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



Habitat

Agriculture – Orchard (ao)

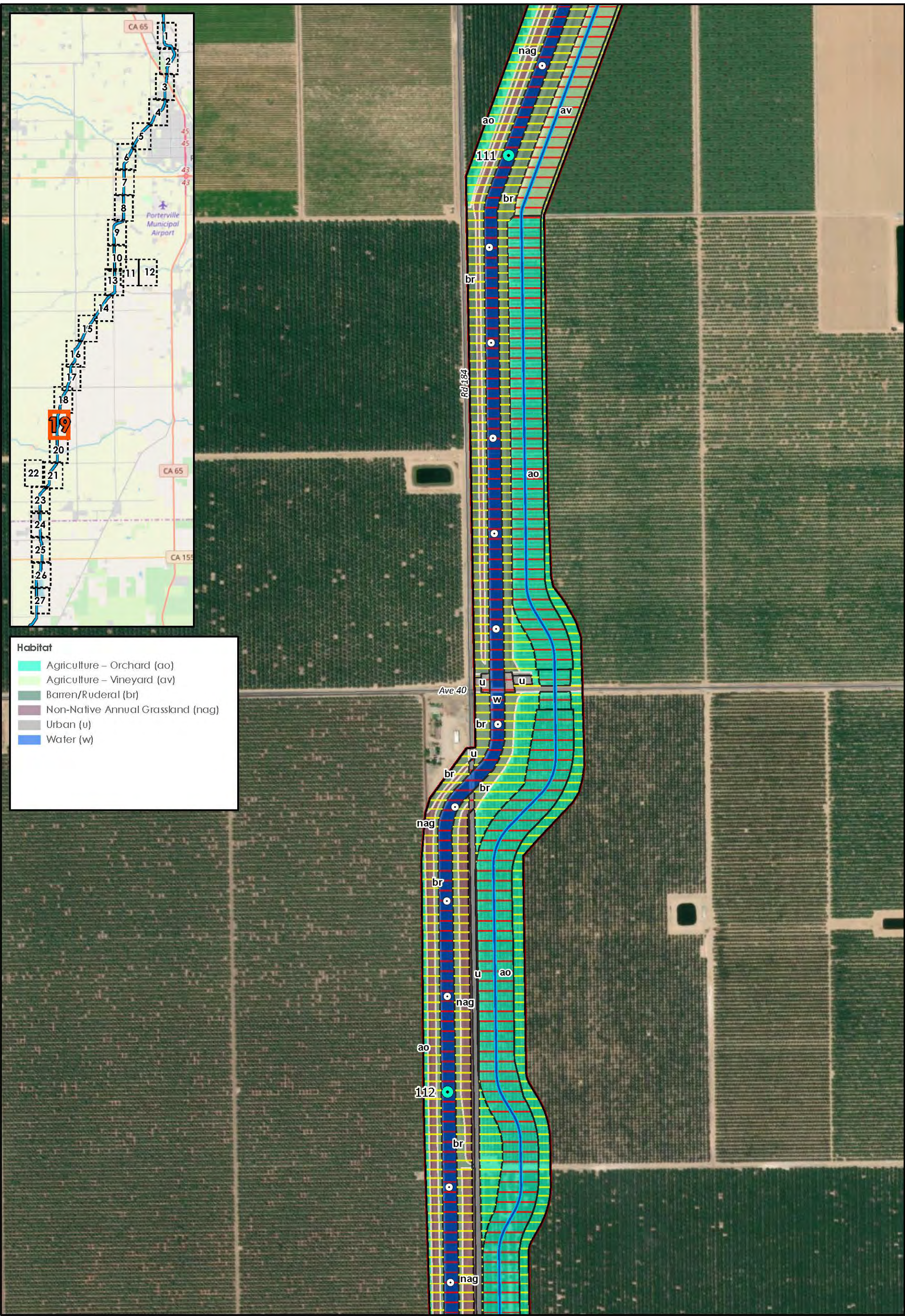
Agriculture – Vineyard (av)

Barren/Ruderal (br)

Non-Native Annual Grassland (nag)

Urban (u)

Water (w)



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Project Area
- Proposed Canal Re-alignment Centerline
- Potential Impacts
- No Impact
- Permanent
- Temporary
- Mile Post
- Tenth-of-Mile

Figure No.
5S

Date:
Mar 04, 2020

Title
Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

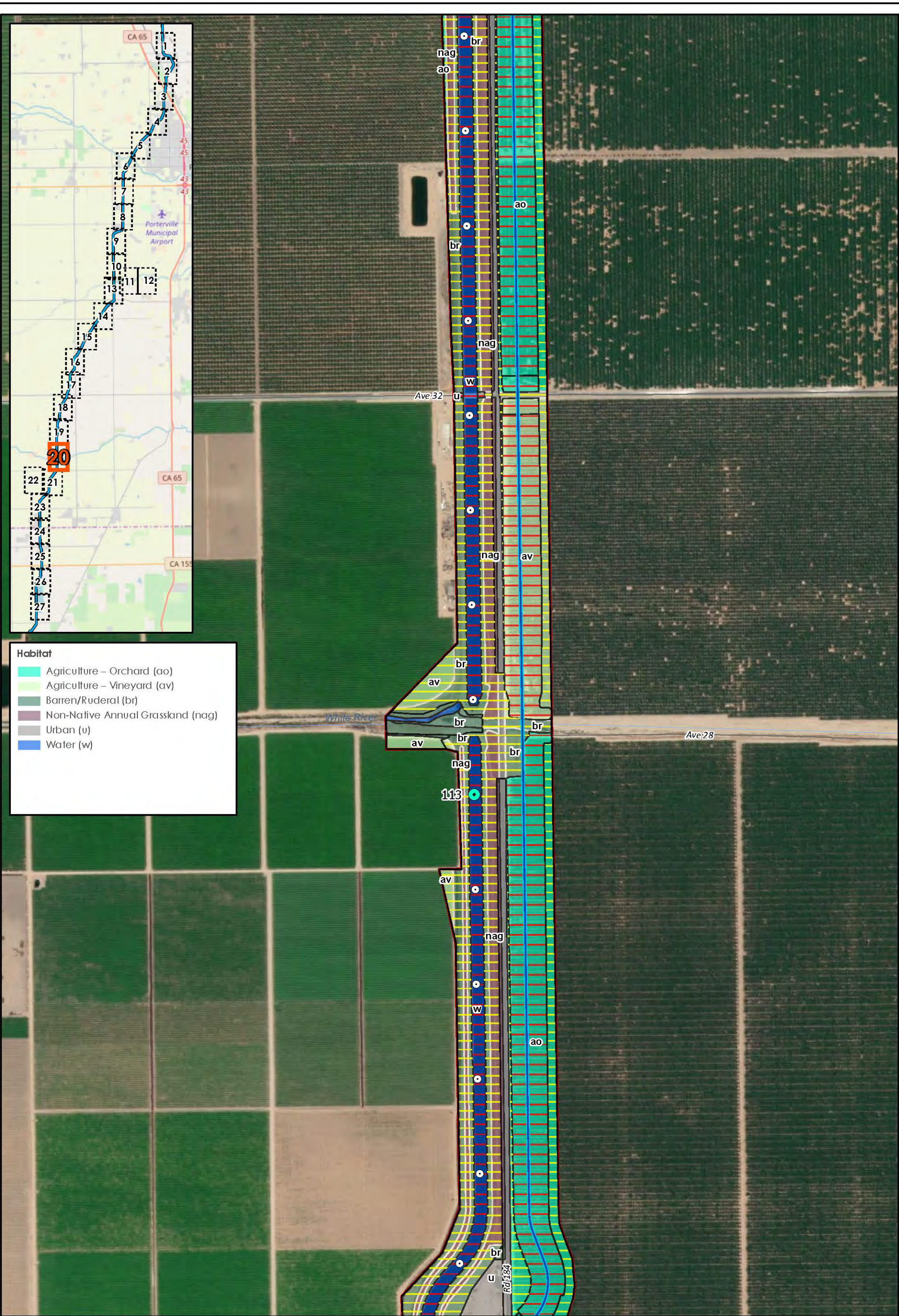
184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Potential Impacts**
- Project Area
 - Proposed Canal Re-alignment Centerline
 - No Impact
 - Permanent
 - Temporary
 - Mile Post
 - Tenth-of-Mile

Figure No.
5T

Date:
Mar 04, 2020

Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

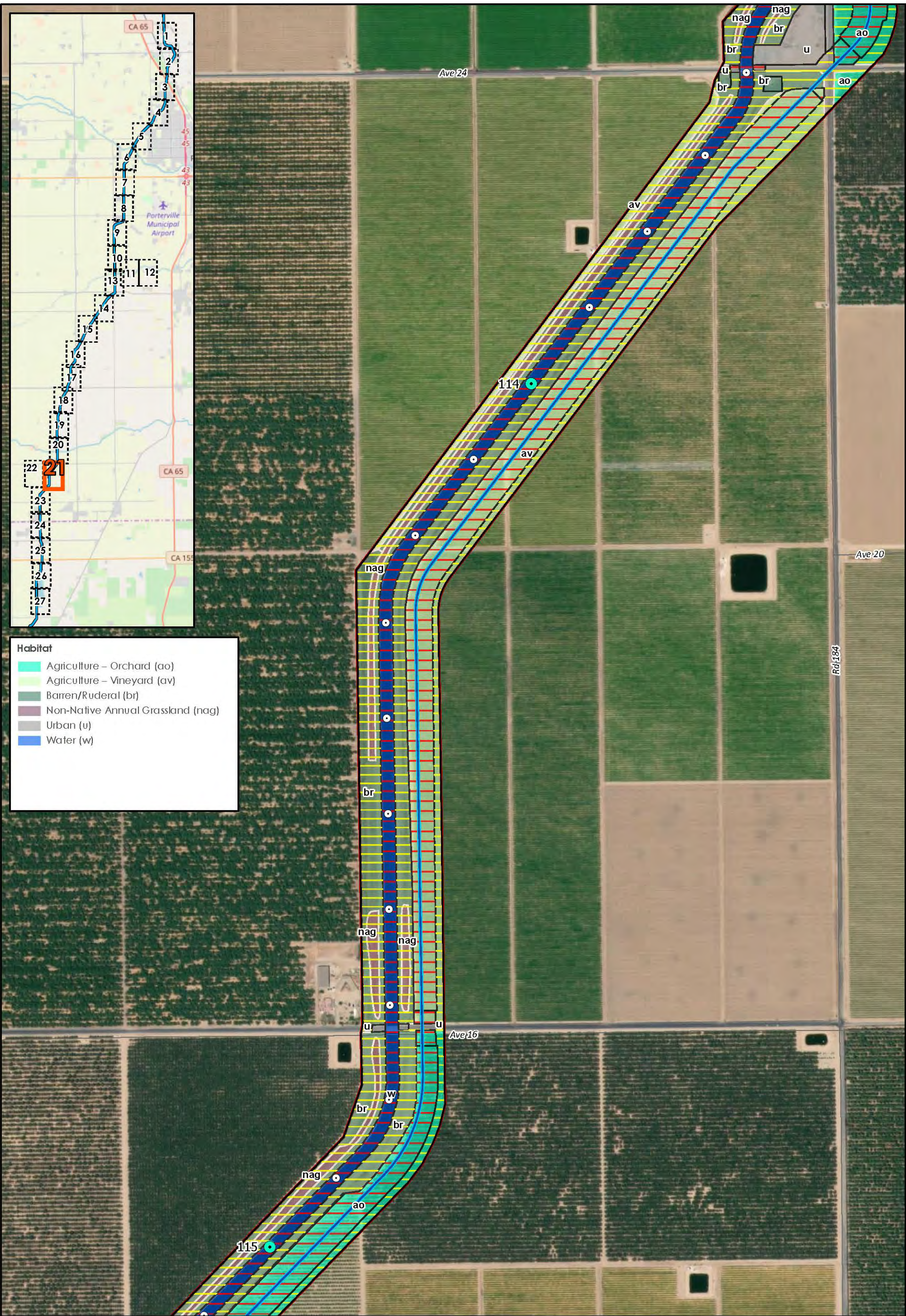
184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Frian Water Authority
Frian-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Potential Impacts**
- Project Area
 - Proposed Canal Re-alignment Centerline
 - No Impact
 - Permanent
 - Temporary
 - Mile Post
 - Tenth-of-Mile

Figure No. **5U**
Date: **Mar 04, 2020**

Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

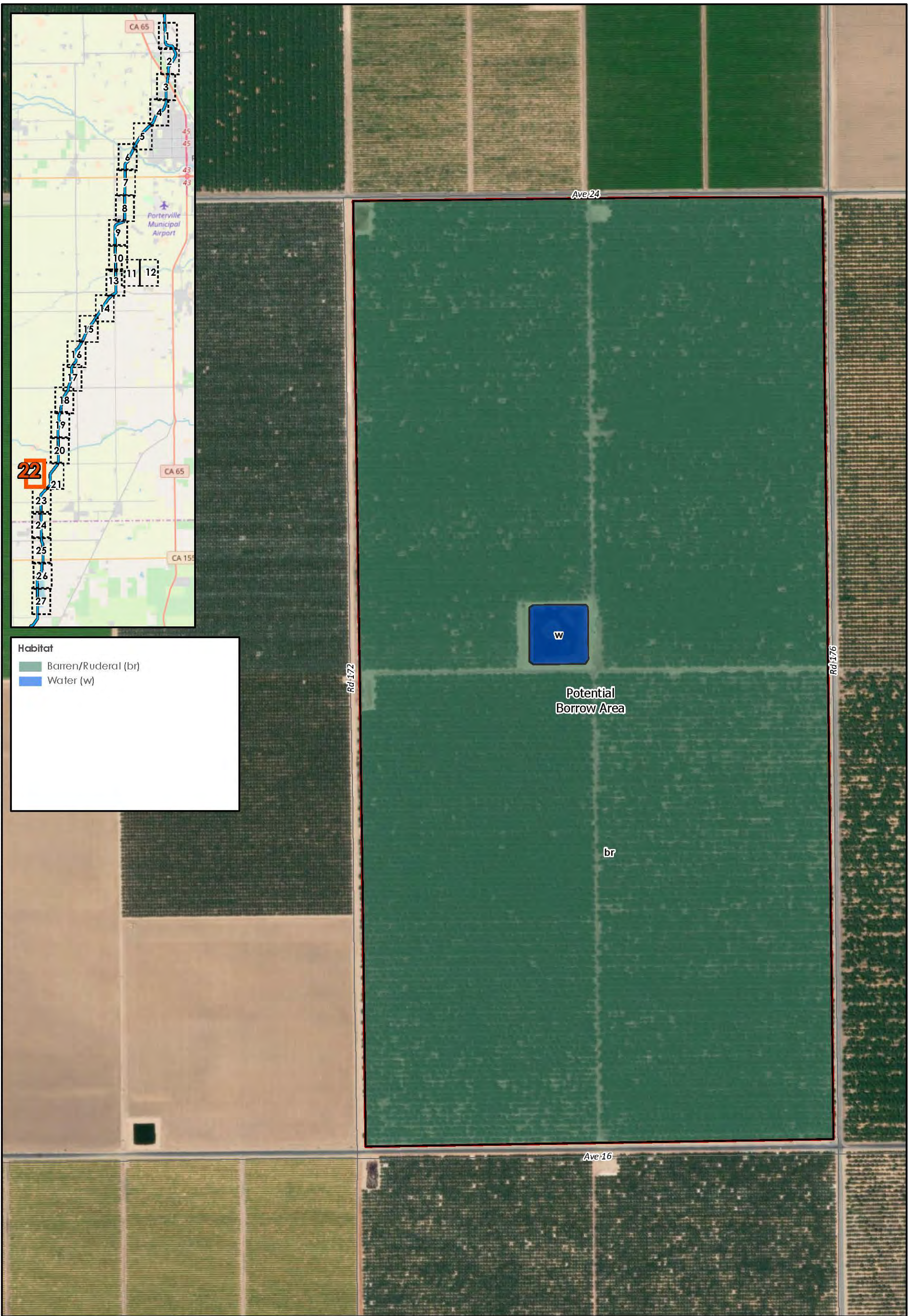
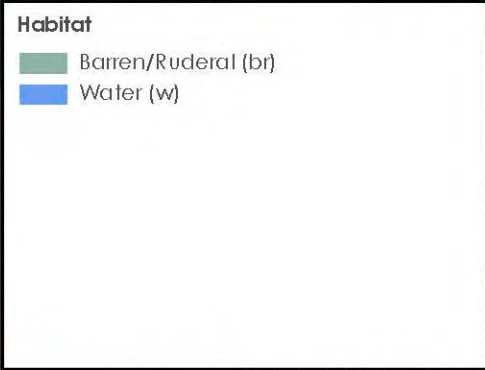
184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Project Area
- Proposed Canal Re-alignment Centerline
- Potential Impacts
 - No Impact
 - Permanent
 - Temporary
- Mile Post
- Tenth-of-Mile

Figure No. **5V** Date: **Mar 04, 2020**

Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



Habitat

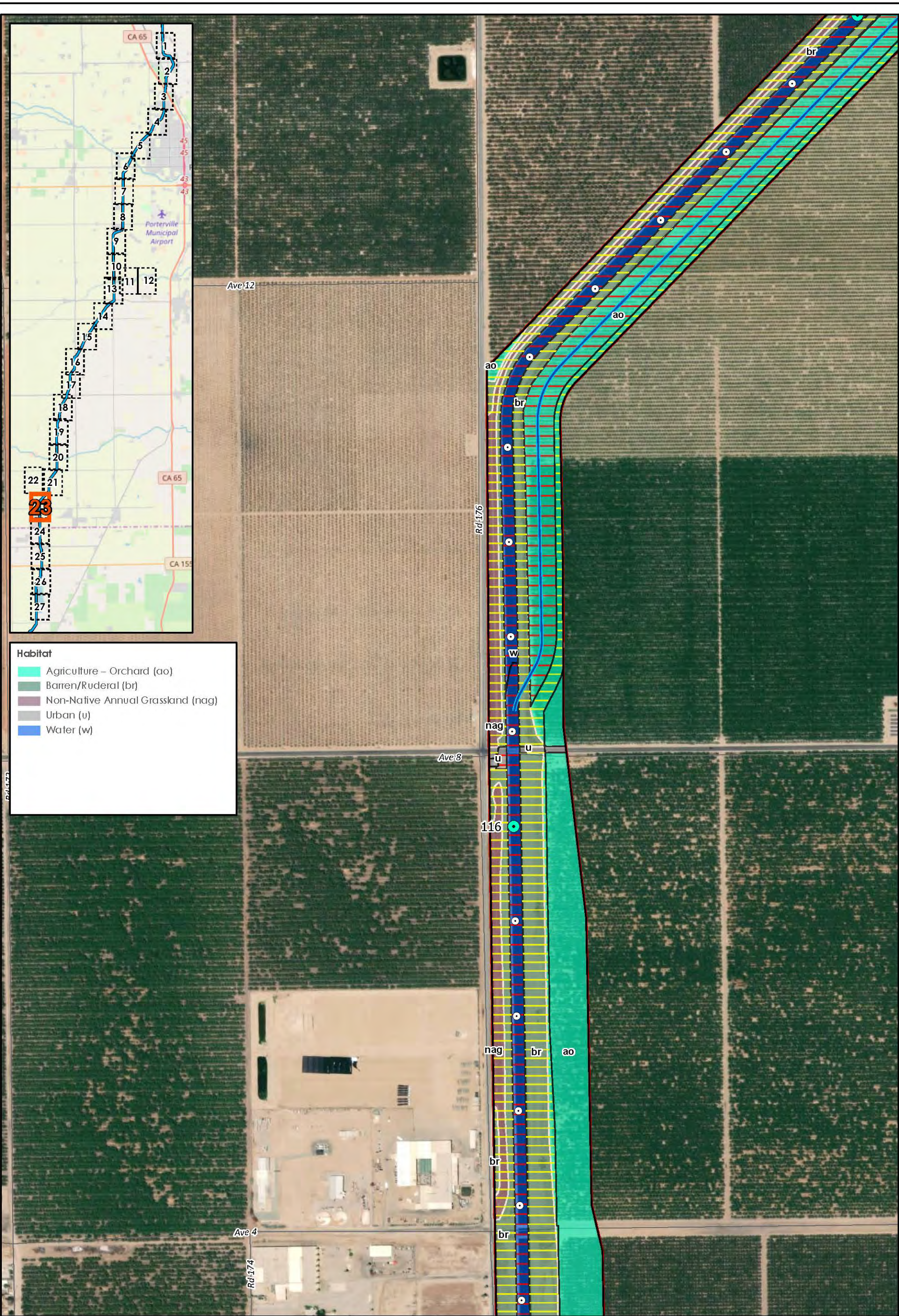
Agriculture – Orchard (ao)

Barren/Ruderal (br)

Non-Native Annual Grassland (nag)

Urban (u)

Water (w)



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Project Area

Potential Impacts

No Impact

Permanent

Temporary
- Proposed Canal Re-alignment Centerline

Mile Post

Tenth-of-Mile

Figure No.
5W

Date:
Mar 04, 2020

Title
Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

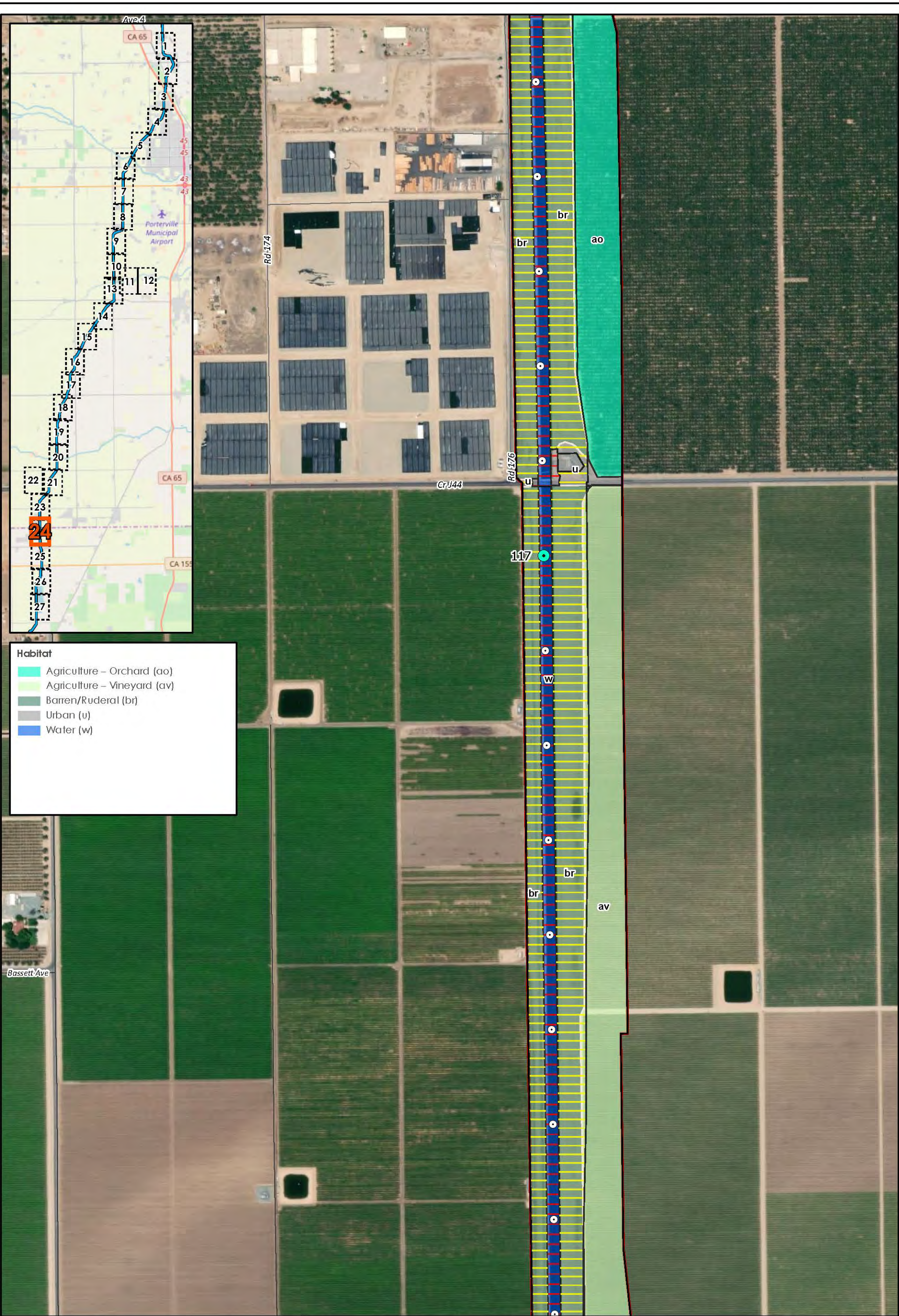
184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.



Habitat

- Agriculture – Orchard (ao)
- Agriculture – Vineyard (av)
- Barren/Ruderal (br)
- Urban (u)
- Water (w)

FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Potential Impacts**
- Project Area
 - Proposed Canal Re-alignment Centerline
 - No Impact
 - Permanent
 - Temporary
 - Mile Post
 - Tenth-of-Mile

Figure No. **5X**
Date: **Mar 04, 2020**

Impacts by Habitat

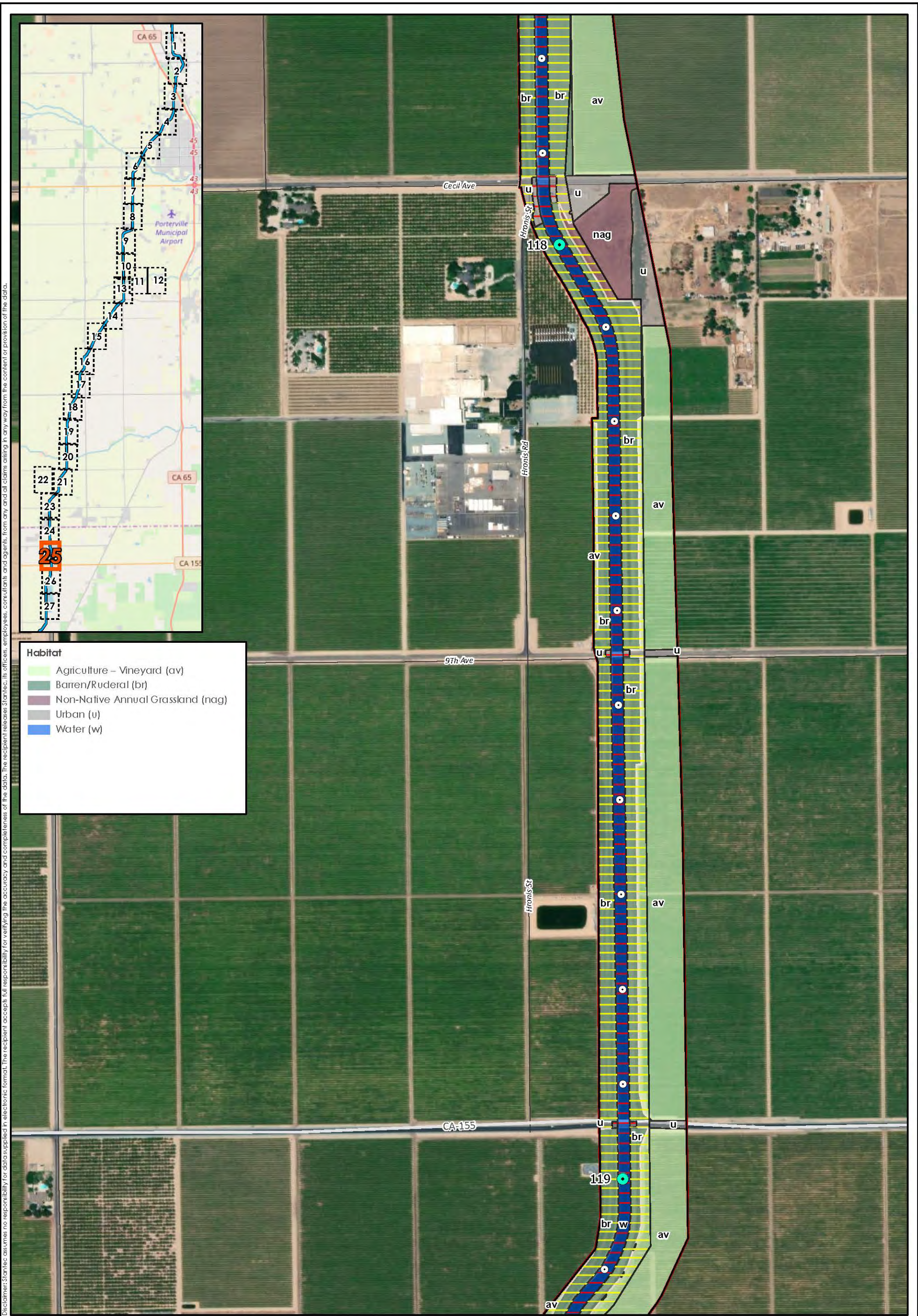
Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project



Habitat

- Agriculture – Vineyard (av)
- Barren/Ruderal (br)
- Non-Native Annual Grassland (nag)
- Urban (u)
- Water (w)

FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Potential Impacts**
- Project Area
 - Proposed Canal Re-alignment Centerline
 - No Impact
 - Permanent
 - Temporary
 - Mile Post
 - Tenth-of-Mile

Figure No. **5Y** Date: **Mar 04, 2020**

Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5 USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

184031016
Prepared by SCP
(2020-03-04)



0 500 1,000 Feet
1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

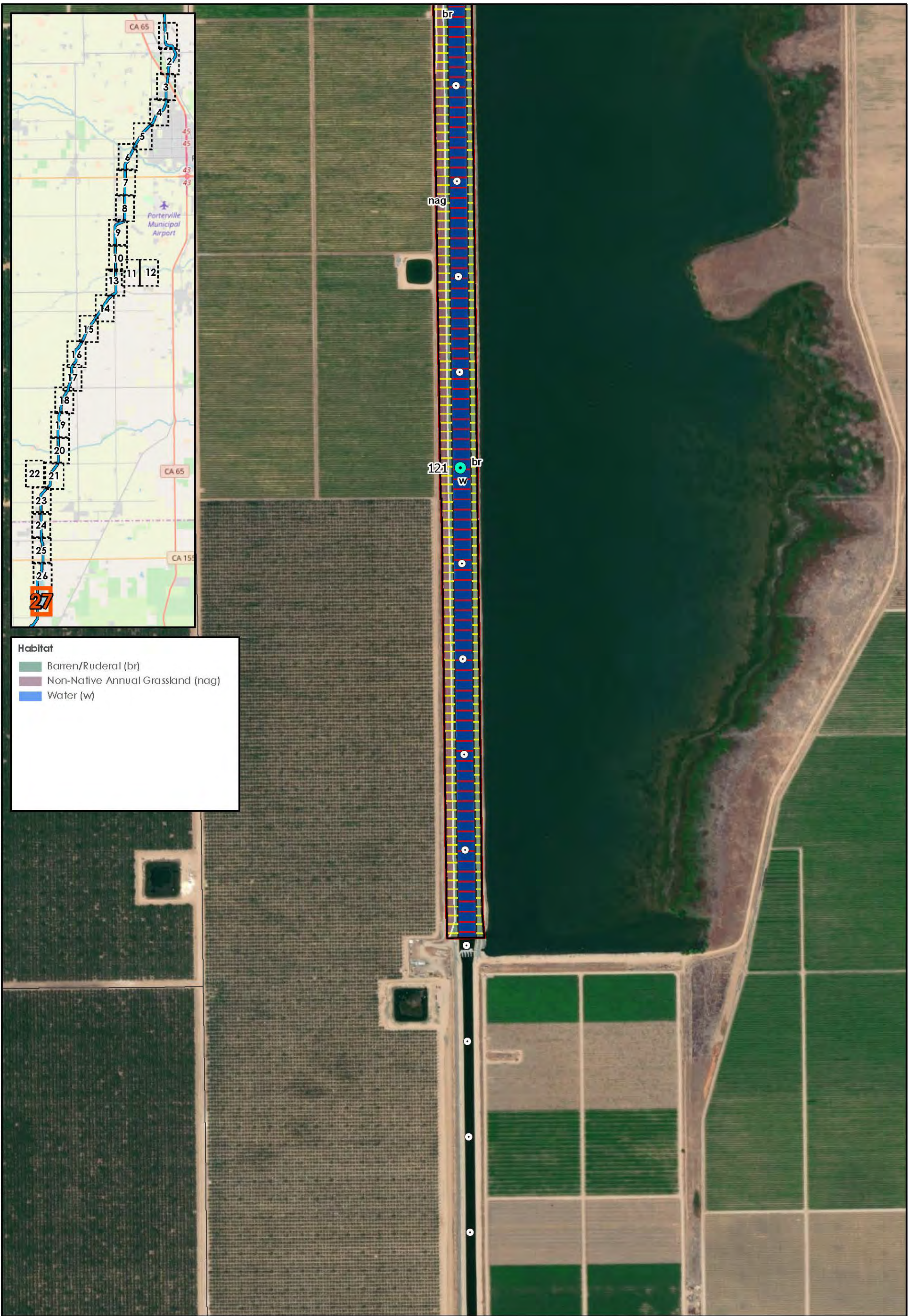


Habitat

Barren/Ruderal (br)

Non-Native Annual Grassland (nag)

Water (w)



FRIANT-KERN CANAL MIDDLE REACH CAPACITY CORRECTION PROJECT
Canal Enlargement and Re-alignment Alternative

- Project Area
- Proposed Canal Re-alignment Centerline
- Potential Impacts
- No Impact
- Permanent
- Temporary
- Mile Post
- Tenth-of-Mile

Figure No.
5A1

Date:
Mar 04, 2020

Title
Impacts by Habitat

Project Location
Tulare and Kern Counties, CA
7.5' USGS Quadrangles
Porterville, California (1971)
Sausalito School, California (1971)
Ducor, California (1972)

184031016
Prepared by SCP
(2020-03-04)

0

500

1,000

Feet

1:6,000 (At original document size of 11x17)

Client/Project
Friant Water Authority
Friant-Kern Canal Middle Reach Capacity Correction Project