Perennial Non-Fish Tributary

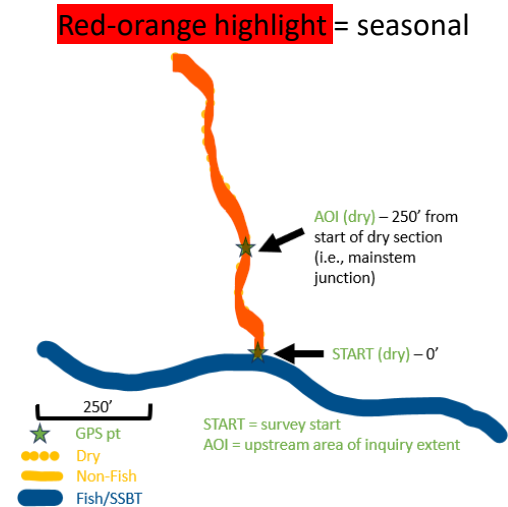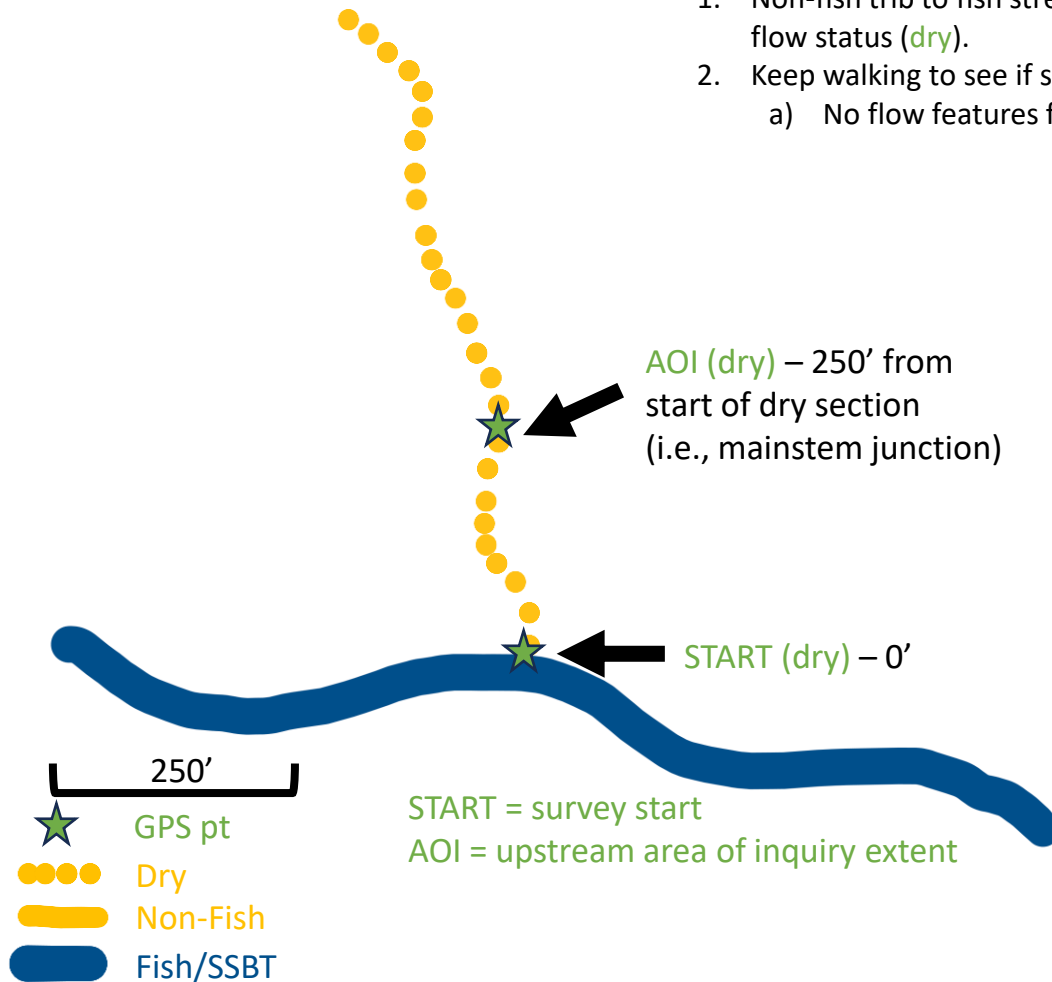| Stream	LocationType	FlowStatus	HydroEdit	Notes
Mainstem	START	Flowing	NA	NA
Mainstem	CIP	Flowing	NA	500' from confluence

1. Start walking non-fish trib to fish stream. Record GPS pt (START) and flow status (flowing).
2. Reach CIP (stream still flowing). Record GPS pt and flow status.
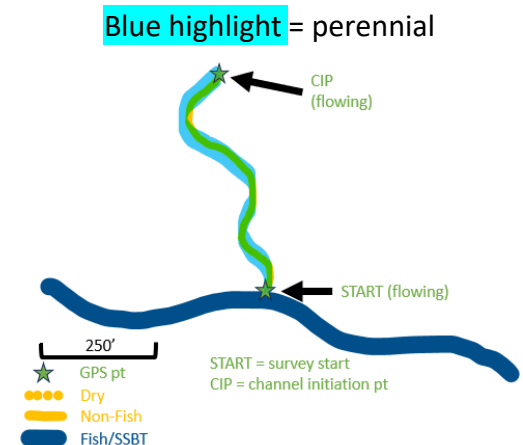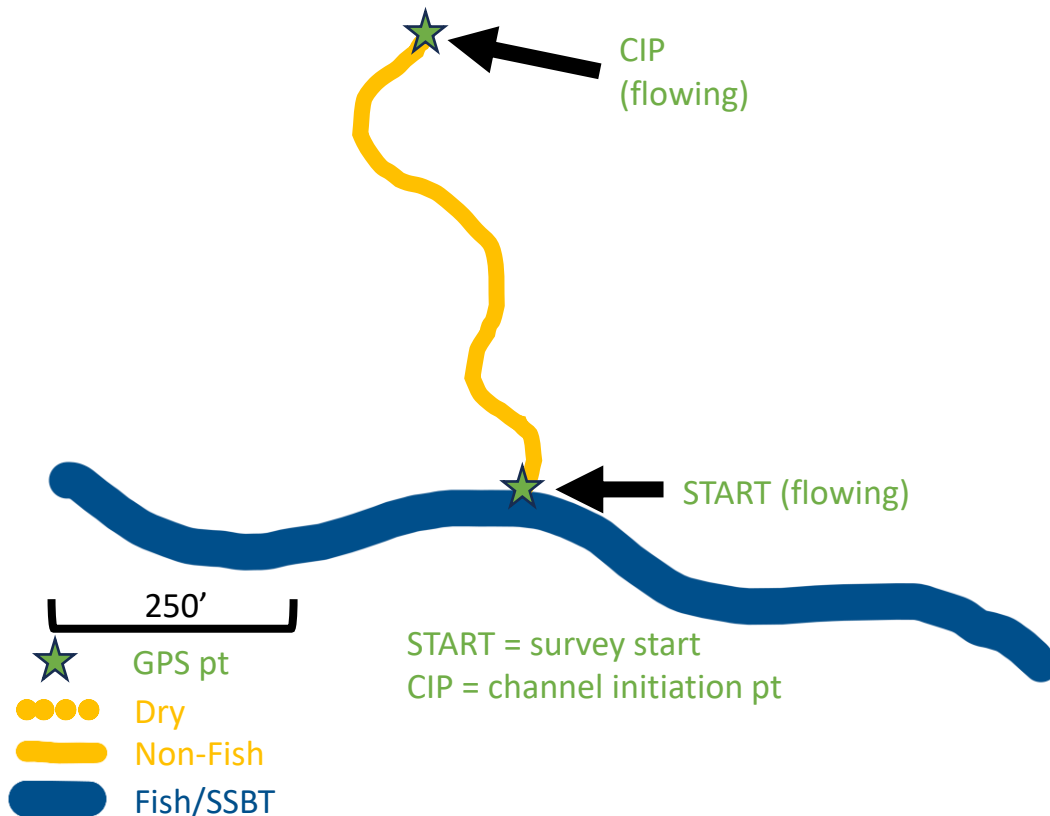
Simple Dry Non-Fish Tributary

Stream	LocationType	FlowStatus	HydroEdit	Notes
Mainstem	START	Dry	NA	NA
Mainstem	AOI	Dry	NA	NA

1. Non-fish trib to fish stream is dry at the confluence. Record GPS pt (START) and flow status (dry).
2. Keep walking to see if stream stays dry for 250'
   a) No flow features found → mark AOI and flow status (dry) to finish survey

AOI (dry) – 250' from start of dry section (i.e., mainstem junction)

Red-orange highlight = seasonal

AOI (dry) – 250' from start of dry section (i.e., mainstem junction)

START (dry) – 0'

START (dry) – 0'

START = survey start
AOI = upstream area of inquiry extent

250'

★ GPS pt
●●●● Dry
▬▬ Non-Fish
▬▬ Fish/SSBT

250'

★ GPS pt
●●●● Dry
▬▬ Non-Fish
▬▬ Fish/SSBT

START = survey start
AOI = upstream area of inquiry extent

Complex Non-Fish Tributary

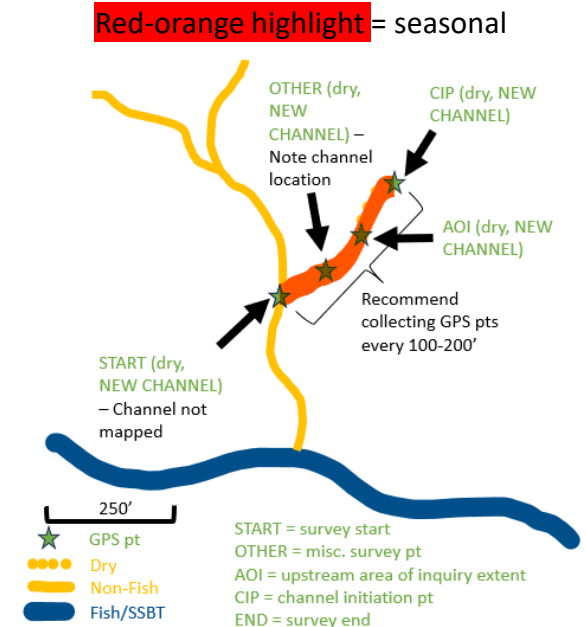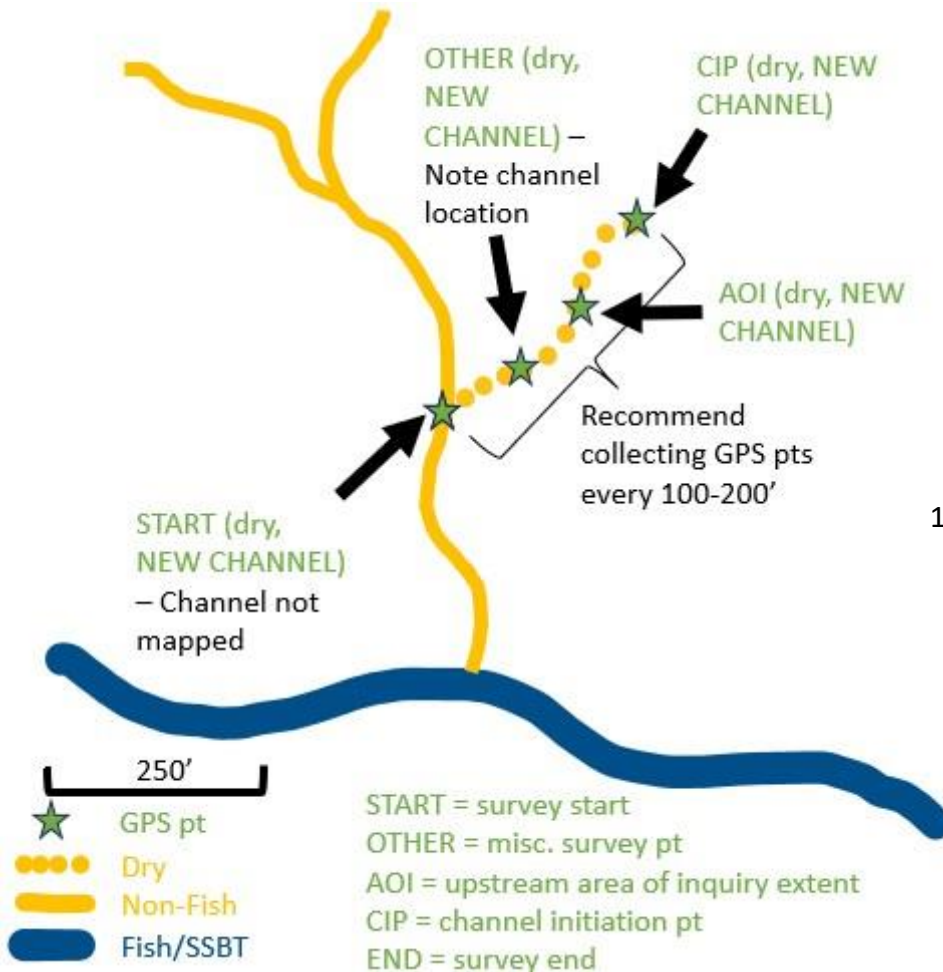| Stream	LocationType	FlowStatus	HydroEdit	Notes
Mainstem	START	Flowing	NA	NA
Trib 1	START	Dry	NA	NA
Trib 1	AOI	Dry	NA	NA
Trib 2	START	Flowing	NA	NA
Trib 2	FFE	NA	NA	NA
Trib 2	CIP	Dry	NA	175' from confluence
Mainstem	FFE	NA	NA	NA
Mainstem	SFW	Discontinuous	NA	10' flowing water
Mainstem	AOI	Dry	NA	NA

Blue highlight = perennial
Red-orange highlight = seasonal
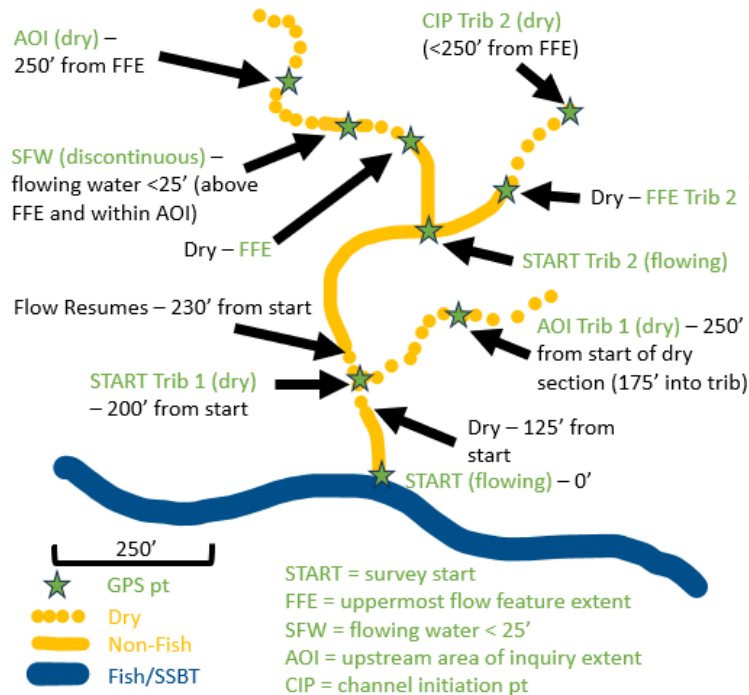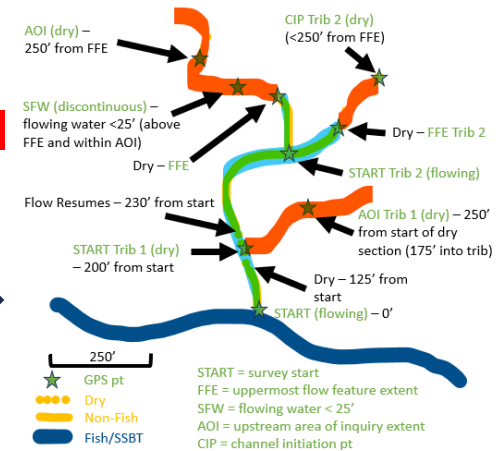
1. Start walking non-fish trib to fish stream. Record GPS pt (START) and flow status (flowing).
2. Come to dry stretch
3. Keep walking to see if stream stays dry for 250'
4. Come to dry trib junction within 250'
   a) Collect GPS pt and identify flow status: START Trib 1 (dry)
   b) Survey up dry trib until 250' from start of dry section (another 175' in this example)
   c) Since no water found, collect GPS pt (AOI) and flow status (dry) for Trib 1
5. Continue walking mainstem → find running water again 230' from start → walk until the stream goes dry
6. Come to another trib with flowing water (collect GPS pt for START Trib 2 (flowing))
   a) Walk trib 2 until dry → mark FFE Trib 2
   b) Walk 250' to ensure no flow features → come to CIP Trib 2 before reaching 250' → mark GPS point and flow status (dry) and return to mainstem
7. Walk mainstem until it dries → mark FFE
   a) Walk 250' to ensure no flow features
   b) Find flowing water for 10' → mark SFW with flow status of discontinuous and continue walking
   c) No qualifying flow features → mark AOI and flow status (dry) to finish survey
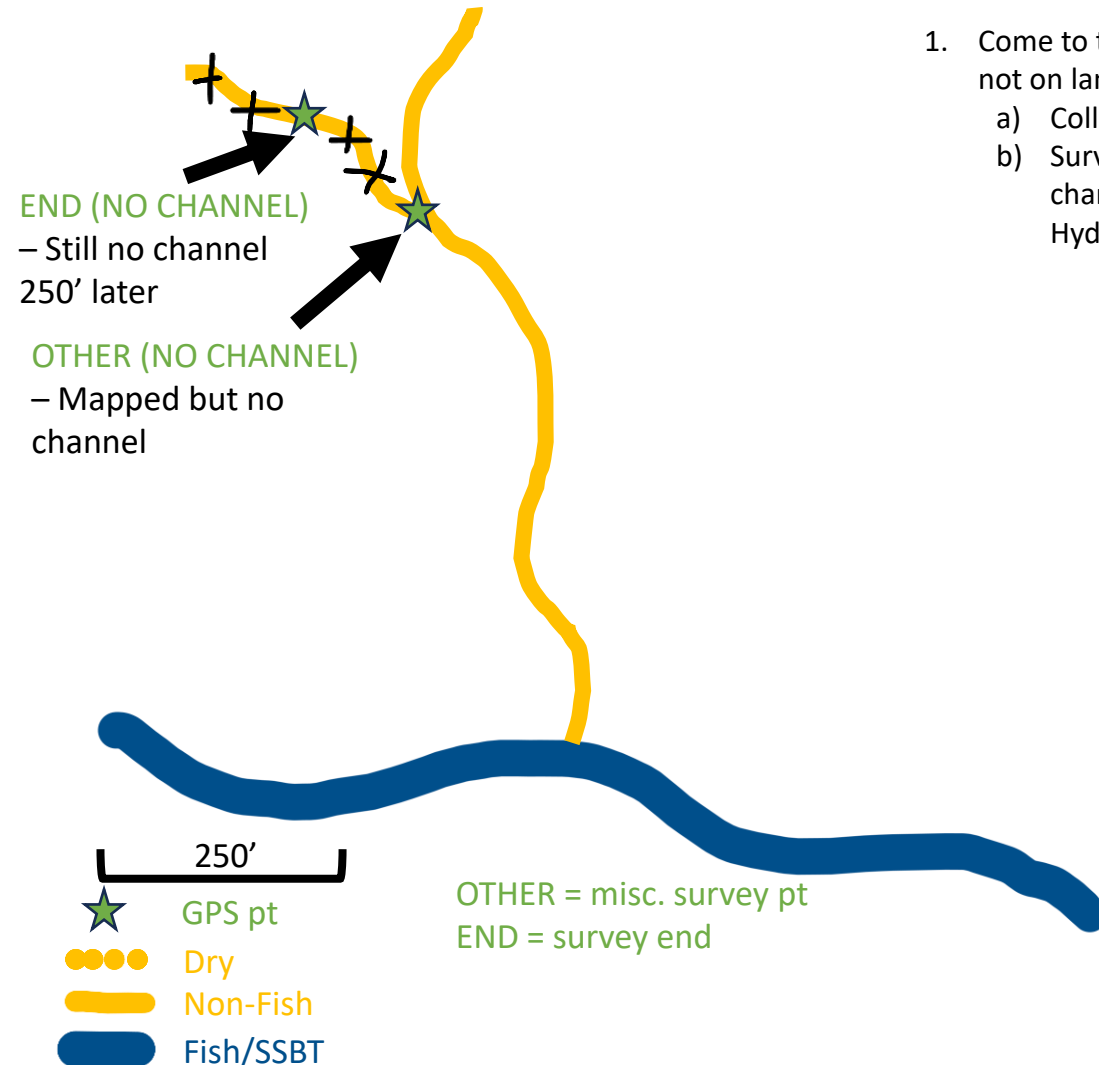
Mapping NEW CHANNEL

Stream	LocationType	FlowStatus	HydroEdit	Notes
Trib 1	START	Dry	NEW CHANNEL	NA
Trib 1	OTHER	Dry	NEW CHANNEL	Channel location
Trib 1	AOI	Dry	NEW CHANNEL	NA
Trib 1	CIP	Dry	NEW CHANNEL	NA

Red-orange highlight = seasonal

OTHER (dry, NEW CHANNEL) – Note channel location

CIP (dry, NEW CHANNEL)

AOI (dry, NEW CHANNEL)

Recommend collecting GPS pts every 100-200'

START (dry, NEW CHANNEL) – Channel not mapped

250'

★ GPS pt
Dry
Non-Fish
Fish/SSBT

START = survey start
OTHER = misc. survey pt
AOI = upstream area of inquiry extent
CIP = channel initiation pt
END = survey end

1. Find dry trib that was not mapped on Statewide Flow Line data
   a) Collect GPS pt (START), identify flow status (dry), and mark HydroEdit as NEW CHANNEL
   b) Conduct a Flow Permanence survey **all the way to the CIP or END pt**
      i. Recommend collecting GPS pts every 100-200' to map channel (OTHER)
      ii. For each pt: include flow status and HydroEdit = NEW CHANNEL
      iii. **Record CIP (if found) or END (if reach property/harvest boundary first), flow status, and HydroEdit**

Mapping NO CHANNEL

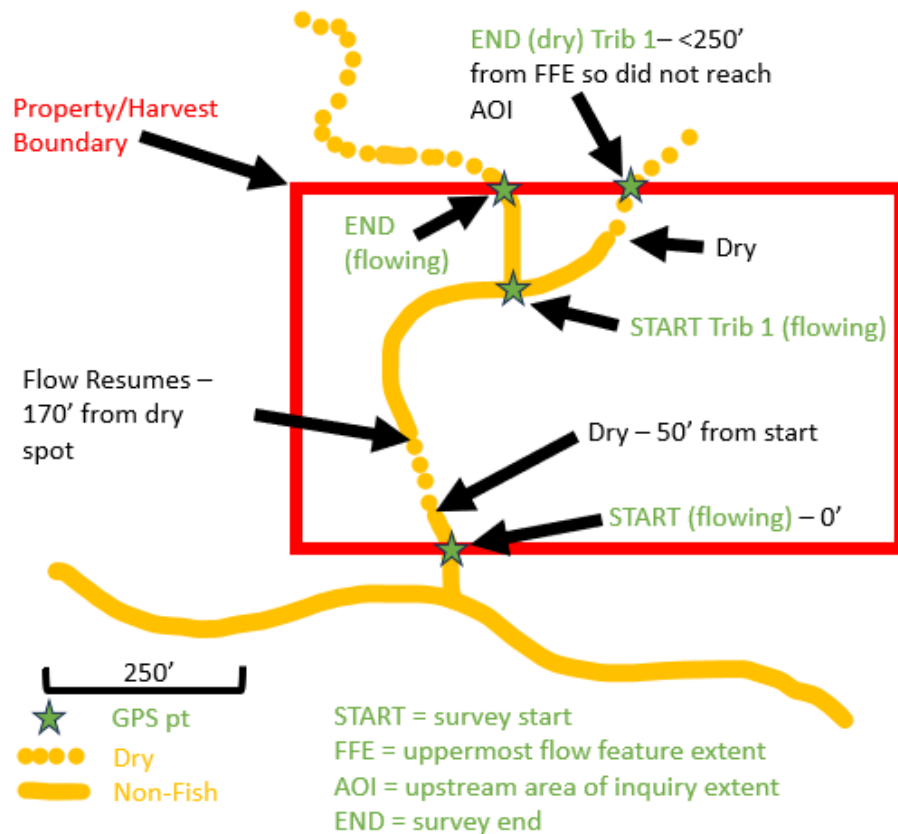| Stream	LocationType	FlowStatus	HydroEdit	Notes
Trib 1	OTHER	NA	NO CHANNEL	NA
Trib 1	END	NA	NO CHANNEL	NA

1. Come to trib junction identified on Statewide Flow Line data but not on landscape
   a) Collect GPS pt (OTHER) and mark HydroEdit as NO CHANNEL
   b) Survey mapped channel for 250' or until end of mapped channel (whichever is closer) and collect GPS pt (END) and HydroEdit = NO CHANNEL
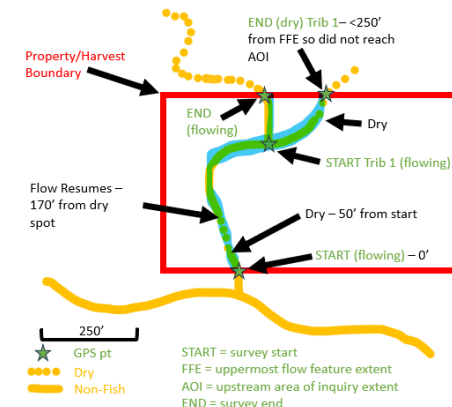
END (NO CHANNEL)
– Still no channel 250' later

OTHER (NO CHANNEL)
– Mapped but no channel

250'

★ GPS pt
●●●● Dry
━━ Non-Fish
━━ Fish/SSBT

OTHER = misc. survey pt
END = survey end

Start/End at Property/Harvest Boundary

Stream	LocationType	FlowStatus	HydroEdit	Notes
Mainstem	START	Flowing	NA	Start at property boundary
Trib 1	START	Flowing	NA	NA
Trib 1	END	Dry	NA	Stream dry for 100'. End at property boundary.
Mainstem	END	Flowing	NA	End at property boundary

1. Start walking non-fish trib at property boundary (START (flowing))
2. Come to dry stretch
3. Keep walking to see if stream stays dry for 250'. It doesn't, so continue looking for next dry reach.
4. Come to trib with flowing water (collect GPS pt for START Trib 1 (flowing))
   a) Walk trib 1 until dry
   b) Walk 250' to ensure no flow features → come to property boundary before reaching 250' → mark END (dry) and return to mainstem (FFE not found b/c unable to verify stream stays dry for 250', therefore no point is needed where stream went dry)
5. Walk mainstem. Mainstem remains flowing until property boundary → mark END (flowing)

Property/Harvest Boundary

END (dry) Trib 1 – <250' from FFE so did not reach AOI

END (flowing)

Dry

START Trib 1 (flowing)

Flow Resumes – 170' from dry spot

Dry – 50' from start

START (flowing) – 0'

250'

⭐ GPS pt
●●●● Dry
━━ Non-Fish

START = survey start
FFE = uppermost flow feature extent
AOI = upstream area of inquiry extent
END = survey end

Blue highlight = perennial

Disconnected Channel Example 1

Stream	LocationType	FlowStatus	HydroEdit	Notes
Mainstem	START	Dry	NA	NA
Mainstem	CIP	Dry	NA	NA

1. Start survey as normal. Collect GPS pt for START and indicate flow status (dry)
2. Walk 250' to ensure the channel stays dry
3. Channel ends before you reach 250'
   a) Collect CIP and flow status (dry)
4. Survey is complete. Any channel found further upstream should receive an ELZ protection.

No survey needed.

ELZ protection to end of channel.

No visible channel for >250'

CIP (dry)

START (dry)

250'

★ GPS pt
•••• Dry
▬▬ Non-Fish
▬▬ Fish/SSBT

START = survey start
CIP = channel initiation point

Red-orange highlight = seasonal

No survey needed.

ELZ protection to end of channel.

No visible channel for >250'

CIP (dry)

START (dry)

250'

★ GPS pt
•••• Dry
▬▬ Non-Fish
▬▬ Fish/SSBT

START = survey start
CIP = channel initiation point

Disconnected Channel Example 2

Stream	LocationType	FlowStatus	HydroEdit	Notes
Trib 1	OTHER	NA	NO CHANNEL	NA
Trib 1	END	NA	NO CHANNEL	NA
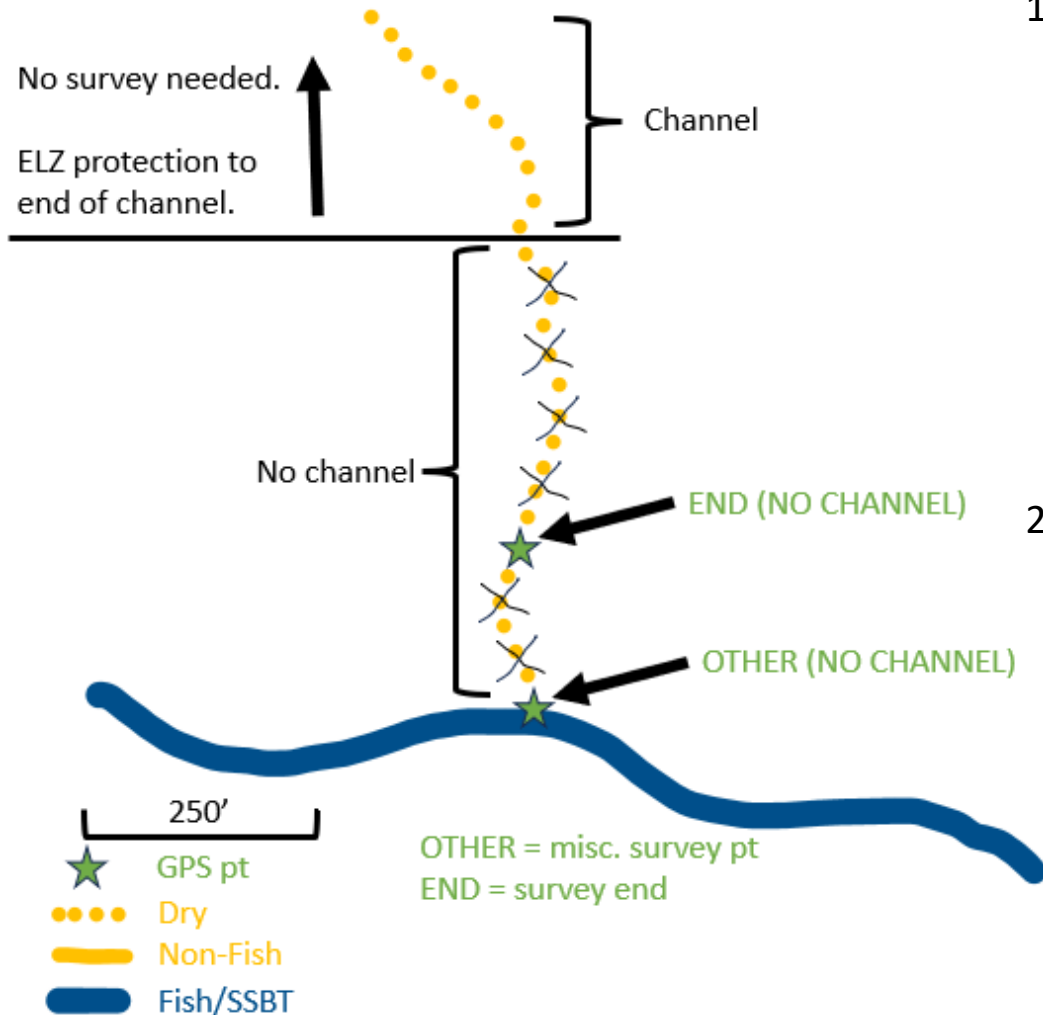
1. Come to trib junction identified on Statewide Flow Line data but not on landscape
   a) Collect GPS pt (OTHER) and mark HydroEdit as NO CHANNEL
   b) Survey mapped channel for 250' or until end of mapped channel (whichever is closer) and collect GPS pt (END) and HydroEdit = NO CHANNEL
2. Survey is complete. If a channel is found further upstream, protect with an ELZ.

No survey needed.

ELZ protection to end of channel.

Channel

No channel

END (NO CHANNEL)

OTHER (NO CHANNEL)

250'

⭐ GPS pt
•••• Dry
▬ Non-Fish
▬ Fish/SSBT

OTHER = misc. survey pt
END = survey end