



Section 9413

Geographic Response Plan Booming Strategy Points – Standardized Data Format


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Geographic Response Plan Booming Strategy Points – Standardized Data Format

These fields should be available in a Common Operating Picture Viewer to aid the Unified Command in visualizing the prioritization and status of booming operations

Strategy_ID: Based on Washington State Department of Ecology naming convention guidance. Alpha numeric designator for each strategy, combining the water body abbreviation and some form of linear reference. For example, LCR-12.2L, where LCR=Lower Columbia River at River Mile 12.2 located on river left.

Strategy_Name: This is the geographic or common name for the strategy. Ex: John Day River Mouth or Empire Docks as the common name for a strategy. This both helps quickly give the general location of the strategy, and provide a check on possible locational mismatches.

Strategy_Status: This field is used to track the Operations Section status for the boom and for display in SitStat. This field will be blank or have a default of inactive until “Ordered” for implementation. The list of allowed values intends to track the full cycle throughout a given response. The options are: Inactive, Ordered, Deployed, Remove.

Strategy_Priority: This is the default prioritization with a Geographic Response Plan (GRP) (if part of pre-determined spill scenario prioritization) and can be modified during an incident to reflect changes made within Environmental Unit/Planning and reflected on the 232s (1, 2, 3, 4...for example), or simplified for broader audience (A, B, C, High, Medium, Low, for example).

Conditions: This field is used to describe any conditions that would limit the effectiveness or ability to deploy a booming strategy. This would typically include the sea state or river flow conditions. Common entries would include High, Medium and/or Low river flow, high tides needed to gain access to an area (High Tide Only) or low tides which would preclude entrance (Low Tide Only) or Calm to Moderate Sea States Only (Calm/Moderate Seas).

Strategy_DateTime: This field identifies the date and time the booming strategy was assigned to its current status (Strategy_Status) to allow for tracking within Operations and SitStat.

Strategy_Type: Booming strategy type. Strategy types are: Collection (directing toward a collection point which is a part of the same strategy), Containment (at source), Diversion (toward a separate collection strategy, away from sensitive area, or to move toward center of channel), or Exclusion (blocking off a resource or sensitive area).

GRP_Date: The date the strategy was first adopted, or last modified (edited) in a GRP.

GRP_Name: This is the abbreviated name of the Geographic Response Plan that the strategy falls within (CPS or Central Puget Sound, for instance).

Site_Access_Description: Text field describing how to access a site as well as any limitation(s) that might be associated with the access point.

Boat_Required: Yes/No field indicating whether a boat is required to deploy the strategy.

Staging_Code: Indicate whether staging is On-Site or Remote.

Staging_ID: The ID of the pre-designated staging area for the strategy.

Staging_Name: Text field providing the name of the pre-designated staging area for the strategy.

Boom_Length: Total length of boom required, expressed in feet (sum for multiple-boom strategies) rounded to the nearest 100 feet for strategies >100' length.

Boom_Type: Type of primary boom. Based on categorization present in WRRL. Types are: B1 (42" or larger), B2 (18" to 41"), B3 (<18"), Fire Boom (Bfire), and Sorbent Boom (Sorbent).

Resource_Protected: Narrative field describing the natural, cultural, or economic resources that the strategy was designed to protect. Example, "Protect salmon spawning beds" or "Protect down-river natural resources".

Watercourse_Description: General description of the type of watercourse the strategy is located within. For example, River with Tidal Influence or Estuary.

Objective_Description: Text field describing the objective of the strategy. Example, "Deflect oil to shoreline for collection" or "Exclude oil from entering into marsh".

Implementation_Description: Text field describing how to implement the strategy. For example, use a boat to deploy 500' of boom in a chevron configuration at the mouth of the estuary. Use existing pier as a northern shoreline anchor and use a shoreside anchor system on the south side.

Equipment_Description: Text field describing the equipment required to implement the strategy. For example, "800 feet Boom-B3 (River Boom or

Equivalent); Shore Connect System (posts, driver, anchor, chain, line); Workboat(s) adequate for size/type of boom”.

Address_City: Closest city to the strategy.

Address_Zip: Zip code the closest mapped address the strategy falls within.

County: County the strategy is located in.

State: State the GRP strategy is located in.

Latitude: Latitude in decimal degrees to 5 decimal points or greater.

Longitude: Longitude in decimal degrees to 5 decimal points or greater.

Marker: This field is optional and allows for use in assignment of a symbol for viewing in some viewers.

GRP_Link: This field can be used to provide a web-link to either the GRP or a Two-Pager for full details about implementing the strategy.

This field definitions document represents one of the primary deliverables of the Northwest Area Committee (NWAC’s) Data Standardization Task Force assembled for 2015. This document was developed during four teleconferences/webinars and numerous intervening calls and exchanges of draft documents. It is the intent of the NWAC that this baseline information be developed to support incident response and drills and to provide the ability to consistently share information within the Unified Command, Incident Command Post, and with external stakeholders and others involved in supporting incident response.

If endorsed by the NWAC and Regional Response Team, this document will be used as a guide in the development of consistent data to support incident response, drills, and facilitate data sharing. Development of new data, or the conversion of existing data into this framework will require time and trial, and the incorporation of lessons learned during drills and incidents.

FIELD	Strategy_ID	Strategy_Name	Strategy_Status	Strategy_DateTime	Strategy_Priority	Conditions	Strategy_Type	GRP_Date	GRP_Name	Site_Access	Boat_Required	Staging_Code
REQUIRED?	Required	Required	Required	Optional	Optional	Optional	Required	Optional	Required	Optional	Required	Optional
EXAMPLE	LCR-17.8L	John Day River Mouth	Inactive	7/24/2015 0900 or 20150724 0900	High	High water only; calm to moderate sea states; Any	Exclusion	4/22/2015	LCR	John Day River Boat Ramp - Tidal Influence on river mouth.	Y	On-Site
FORMAT	Text	Text	Text	Text	Text	Text	Text	Date	Text	Text	Y/N	Text
CONSTRAINTS	12 Characters Max	255 Characters Max	List Restricted; 10 Characters Max	Beginning of drill or incident;	Predetermined values may be adjusted for incident; 30 Char Max	30 Characters Max	List Restricted	>1990	10 Characters Max	255 Characters Max	Y/N	List Restricted; 10 Char Max
List or Detail of	WA Naming	Geographic Location	Inactive	Date/Time 24hr	1,2,3,4...Null	Sea State Descr.	Collection	Short Date	From existing list	Best way to access	Info to aid	On-Site
Data Format/	Convention as	or common name	Ordered	Time is optional	A,B,C,D...Null	or River Flow	Containment	Format	of NW Area GRPs	site for implement-	Operations	Remote
Restrictions	Guide		Deployed	for extended	High, Med, Low, Null	Constraints	Diversion			action. Note any		
			Remove	incidents	Other		Exclusion			limitations.		

Note: Field Names are truncated to 10 characters when converted from tabular data (spreadsheet) to an ArcGIS Shapefile. This can be avoided by converting to a file geodatabase. Conditions field was added to describe any limitations on the applicability of the strategy based on environmental conditions (sea state) or current/flow. Highlighted fields are potentially to be eliminated based on limited utility for COP display...

This is the Unique ID for the strategy and allows for tying to other tabular data and GIS features associated with the file (points, lines, polygraphs). Designation based on WA ECY naming convention guidance. For example, LCR-12.2L, where LCR=Lower Columbia River, River Mile 12.2, located on Left Bank.

Geographic or common name for the strategy. For example, John Day River Mouth.

Status of boom deployment. Field restricted to pre-defined status to include: Inactive, Planned (ordered), Deployed...

Type of Strategy: Collection, Containment, Deflection (aka Diversion), or Exclusion (aka Protection). Single designation allowed.

This is either the date the strategy was created or last updated.

This is the abbreviated name of the GRP the strategy falls within. For example, LCR or Lower Columbia River GRP.

Text field describing how to access the site, and any access limitations.

Y/N field indicating (if Yes) that a boat is required to install the strategy.

FIELD	Staging_ID	Staging_Name	Boom_Length	Boom_Type	Resource_Protected	Watercourse_Description	Objective_Description	Implementation_Description	Equipment_Description	Address_Num
REQUIRED?	Optional	Optional	Required	Required	Required	Required	Required	Required	Required	Optional
EXAMPLE	XXX-XC-SA??	Tongue Point Staging Area	800	B3 - 24"	Waterfowl, other sensitive nesting species, wetlands, year-round.	River Mouth with Tidal Influence	Keep oil from entering the mouth of the John Day River.	Use boat to deploy 800' of boom in single stretch from point south of river mouth, angling NW to anchor along raised railway levee.	800 feet Boom-B3 (River Boom or Equivalent); Shore Connect System (posts, driver, anchor, chain, line); Workboat(s) adequate for size/type of	"100" as in 100 SW Front Street, Astoria Oregon 97103; Text field to allow for alpha numeric numbered addresses
FORMAT	Text	Text	Numeric	Text	Text	Text	Text	Text	Text	Text
CONSTRAINTS	20 Characters Max	255 Characters Max	Whole numbers	Restricted to WRRL Types; 255 Char Max	255 Characters Max	50 Characters Max	255 Characters Max	255 Characters Max	255 Characters Max	10 Characters Max
List or Detail of	This is the ID for	From existing list	Rounded to	B1 42" or Larger	Listing of natural /	Info used to aid in	Info used to aid in	Info used to aid in	May be linked instead to	Closest address to site
Data Format/	the designated	of Staging Areas	nearest 100'	B2 18" to 41"	habitat resources	Operations	Operations.	Operations.	a related table of	of booming strategy
Restrictions	staging area.	in GRPs	unless <100"	B3 <18"	and water supplies				equipment	
				Fire (or Sorbent?)	as highest priority					SUGGEST ELIMINATING

Note:

Unique ID for the Staging Area designated for deployment of the strategy.

Name of the Staging Area designated for use in deploying the Strategy. May be the Strategy_Name if deployment is possible from the site of the strategy. For example, John Day River Boat Ramp could be used to deploy John Day River Mouth strategy.

Total length of boom needed to deploy the strategy, in feet. Rounded to nearest 100' unless boom lengths less than 100' can be used.

A description of the type and size of boom needed to deploy strategy.

Text field describing natural, cultural, or economic resources the strategy was designed to protect. Used to complete ICS 232.

Text field describing the general nature of the waterway in which the strategy is found.

Text field describing the Objective of the Strategy.

Detailed description of the implementation of the strategy.

Text field describing the equipment required to implement the strategy.

Nearest physical address to the strategy site for the purposes of access via road.

FIELD	Address_Dir	Adress_Street	Address_City	Address_Zip	County	State	Lat_DD	Long_DD	Marker	GRP_Link	Remarks
REQUIRED?	Optional	Optional	Optional	Optional	Required	Required	Required	Required	Optional	Optional	Optional
EXAMPLE	"SW" as in 100 SW Front Street, Astoria Oregon 97103; Text field to allow for alpha numeric numbered addresses	"Front" as in 100 SW Front Street, Astoria Oregon 97103; Text field to allow for alpha numeric numbered addresses	Astoria	97103	Clatsop	OR	46.18155	123.74133			
FORMAT	Text		Text	Text	Text	Text	Numeric	Numeric	Text	Text	Text
CONSTRAINTS	50 Characters Max	50 Characters Max	25 Characters Max	Zip or Zip+4 format	Oregon, Washington or Idaho Counties	List Restricted	Decimal Degrees	Decimal Degrees	255 Characters Max	255 Characters Max	255 Characters Max
List or Detail of	Closest address to site	Closest address to site	Closest city to	Zip code that		OR	5 or 6 decimal	5 or 6 decimal	URL	Hyperlink	
Data Format/	of booming strategy	of booming strategy	site of strategy	strategy falls		WA	place accuracy	place accuracy			
Restrictions				within		ID					
	SUGGEST ELIMINATING	SUGGEST ELIMINATING				CA					

Note:

Closest city to the strategy location for navigation and logistics.

State (or Province) in which the strategy occurs, abbreviated. Primarily used for coordination.

Latitude of the strategy, measured in decimal degrees to 5 or 6 places accuracy.

Longitude of the strategy, measured in decimal degrees to 5 or 6 places accuracy.